



Your Project #: GW  
Your C.O.C. #: 819873-03-01

**Attention: Brad Mullin - GHD Reporting**

Terrapure Environmental  
65 Green Mountain Rd West  
Stoney Creek, ON  
CANADA L8J 1X5

**Report Date: 2021/04/28**  
Report #: R6613335  
Version: 1 - Final

**CERTIFICATE OF ANALYSIS**

**BV LABS JOB #: C1A1879**

**Received: 2021/04/16, 15:55**

Sample Matrix: Water  
# Samples Received: 5

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
ABN Compounds in Water by GC/MS	4	2021/04/23	2021/04/26	CAM SOP-00301	EPA 8270 m
Alkalinity	1	N/A	2021/04/19	CAM SOP-00448	SM 23 2320 B m
Alkalinity	4	N/A	2021/04/20	CAM SOP-00448	SM 23 2320 B m
Anions	5	N/A	2021/04/21	CAM SOP-00435	SM 23 4110 B m
Conductivity	1	N/A	2021/04/19	CAM SOP-00414	SM 23 2510 m
Conductivity	4	N/A	2021/04/20	CAM SOP-00414	SM 23 2510 m
Fluoride	1	2021/04/19	2021/04/19	CAM SOP-00449	SM 23 4500-F C m
Fluoride	4	2021/04/19	2021/04/20	CAM SOP-00449	SM 23 4500-F C m
Hardness (calculated as CaCO3)	5	N/A	2021/04/22	CAM SOP 00102/00408/00447	SM 2340 B
Dissolved Metals by ICPMS	5	N/A	2021/04/21	CAM SOP-00447	EPA 6020B m
Total Ammonia-N	5	N/A	2021/04/21	CAM SOP-00441	USGS I-2522-90 m
Nitrate (NO3) and Nitrite (NO2) in Water (1)	4	N/A	2021/04/21	CAM SOP-00440	SM 23 4500-NO3I/NO2B
Nitrate (NO3) and Nitrite (NO2) in Water (1)	1	N/A	2021/04/22	CAM SOP-00440	SM 23 4500-NO3I/NO2B
OC Pesticides (Selected) & PCB (2)	4	2021/04/23	2021/04/24	CAM SOP-00307	EPA 8081A/8082B m
OC Pesticides Summed Parameters	4	N/A	2021/04/20	CAM SOP-00307	EPA 8081A/8082B m
pH	1	2021/04/19	2021/04/19	CAM SOP-00413	SM 4500H+ B m
pH	4	2021/04/19	2021/04/20	CAM SOP-00413	SM 4500H+ B m
Phenols (4AAP)	2	N/A	2021/04/22	CAM SOP-00444	OMOE E3179 m
Phenols (4AAP)	3	N/A	2021/04/23	CAM SOP-00444	OMOE E3179 m
Orthophosphate	5	N/A	2021/04/20	CAM SOP-00461	EPA 365.1 m
Total Dissolved Solids	5	2021/04/20	2021/04/21	CAM SOP-00428	SM 23 2540C m
Total Kjeldahl Nitrogen in Water	1	2021/04/20	2021/04/20	CAM SOP-00938	OMOE E3516 m
Total Kjeldahl Nitrogen in Water	4	2021/04/20	2021/04/21	CAM SOP-00938	OMOE E3516 m
Total Organic Carbon (TOC) (3)	5	N/A	2021/04/21	CAM SOP-00446	SM 23 5310B m
Volatile Organic Compounds in Water	4	N/A	2021/04/19	CAM SOP-00226	EPA 8260C m
Non-Routine Volatile Organic Compounds	4	N/A	2021/04/19	CAM SOP-00226	EPA 8260 m

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

\* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) Values for calculated parameters may not appear to add up due to rounding of raw data and significant figures.

(2) Chlordane ( Total) = Alpha Chlordane + Gamma Chlordane

(3) Total Organic Carbon (TOC) present in the sample should be considered as non-purgeable TOC.



Your Project #: GW  
Your C.O.C. #: 819873-03-01

**Attention: Brad Mullin - GHD Reporting**

Terrapure Environmental  
65 Green Mountain Rd West  
Stoney Creek, ON  
CANADA L8J 1X5

**Report Date: 2021/04/28**  
Report #: R6613335  
Version: 1 - Final

**CERTIFICATE OF ANALYSIS**

**BV LABS JOB #: C1A1879**  
**Received: 2021/04/16, 15:55**

Encryption Key



**AUTHORIZED REPORT**  
**RAPPORT AUTORISÉ**

Bureau Veritas  
28 Apr 2021 17:42:32

Please direct all questions regarding this Certificate of Analysis to your Project Manager.  
Jolanta Goralczyk, Project Manager  
Email: Jolanta.Goralczyk@bureauveritas.com  
Phone# (905)817-5751

=====  
This report has been generated and distributed using a secure automated process.  
BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



**RESULTS OF ANALYSES OF WATER**

BV Labs ID		PIO627			PIO627			PIO628		
Sampling Date		2021/04/15			2021/04/15			2021/04/15		
COC Number		819873-03-01			819873-03-01			819873-03-01		
	UNITS	P10-1	RDL	QC Batch	P10-1 Lab-Dup	RDL	QC Batch	P10-11	RDL	QC Batch

Calculated Parameters										
Hardness (CaCO3)	mg/L	2700	1.0	7302316				2500	1.0	7302316
Inorganics										
Total Ammonia-N	mg/L	11	0.050	7307811				28	0.050	7307811
Conductivity	umho/cm	11000	1.0	7306785				14000	1.0	7305615
Total Dissolved Solids	mg/L	7540	20	7308246				9140	20	7308246
Fluoride (F-)	mg/L	1.0	0.10	7306764				2.6	0.10	7305609
Total Kjeldahl Nitrogen (TKN)	mg/L	29	2.0	7307832				32	2.0	7307832
Total Organic Carbon (TOC)	mg/L	5.5	0.40	7307793				18	0.40	7307793
Orthophosphate (P)	mg/L	<0.010	0.010	7306676				<0.10 (1)	0.10	7305993
pH	pH	7.86		7306790				8.39		7305610
Phenols-4AAP	mg/L	<0.0010	0.0010	7307354				0.033	0.0050	7307354
Alkalinity (Total as CaCO3)	mg/L	140	1.0	7306770				140	1.0	7305613
Nitrite (N)	mg/L	<0.010	0.010	7308306	<0.010	0.010	7308306	<0.010	0.010	7306511
Dissolved Chloride (Cl-)	mg/L	2800	20	7308934				3700	50	7308934
Nitrate (N)	mg/L	<0.10	0.10	7308306	<0.10	0.10	7308306	<0.10	0.10	7306511
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	7308306	<0.10	0.10	7308306	<0.10	0.10	7306511
Dissolved Bromide (Br-)	mg/L	<20	20	7308934				<50	50	7308934
Dissolved Sulphate (SO4)	mg/L	1700	20	7308934				2100	50	7308934

RDL = Reportable Detection Limit  
 QC Batch = Quality Control Batch  
 Lab-Dup = Laboratory Initiated Duplicate  
 (1) Due to colour interferences, sample required dilution. Detection limit was adjusted accordingly.



**RESULTS OF ANALYSES OF WATER**

BV Labs ID		PIO628			PIO629		PIO630		
Sampling Date		2021/04/15			2021/04/15		2021/04/15		
COC Number		819873-03-01			819873-03-01		819873-03-01		
	UNITS	P10-11 Lab-Dup	RDL	QC Batch	P10-111	RDL	P10-1V	RDL	QC Batch
<b>Calculated Parameters</b>									
Hardness (CaCO <sub>3</sub> )	mg/L				2200	1.0	1300	1.0	7302316
<b>Inorganics</b>									
Total Ammonia-N	mg/L				5.0	0.050	4.1	0.050	7307811
Conductivity	umho/cm				7800	1.0	4100	1.0	7306785
Total Dissolved Solids	mg/L				5250	20	3140	10	7308246
Fluoride (F <sup>-</sup> )	mg/L				0.90	0.10	1.4	0.10	7306764
Total Kjeldahl Nitrogen (TKN)	mg/L				5.3	0.20	4.3	0.10	7307832
Total Organic Carbon (TOC)	mg/L				0.85	0.40	6.3	0.40	7307793
Orthophosphate (P)	mg/L				<0.10 (1)	0.10	<0.010	0.010	7306676
pH	pH				7.57		7.68		7306790
Phenols-4AAP	mg/L				<0.0010	0.0010	<0.0010	0.0010	7307354
Alkalinity (Total as CaCO <sub>3</sub> )	mg/L				560	1.0	170	1.0	7306770
Nitrite (N)	mg/L				<0.010	0.010	<0.010	0.010	7308306
Dissolved Chloride (Cl <sup>-</sup> )	mg/L	3800	50	7308934	1200	10	370	10	7308934
Nitrate (N)	mg/L				<0.10	0.10	<0.10	0.10	7308306
Nitrate + Nitrite (N)	mg/L				<0.10	0.10	<0.10	0.10	7308306
Dissolved Bromide (Br <sup>-</sup> )	mg/L	<50	50	7308934	17	10	<10	10	7308934
Dissolved Sulphate (SO <sub>4</sub> )	mg/L	2100	50	7308934	2300	10	1700	10	7308934
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate (1) Due to colour interferences, sample required dilution. Detection limit was adjusted accordingly.									



BUREAU  
VERITAS

BV Labs Job #: C1A1879  
Report Date: 2021/04/28

Terrapure Environmental  
Client Project #: GW

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PIO630			PIO631		
Sampling Date		2021/04/15			2021/04/15		
COC Number		819873-03-01			819873-03-01		
	UNITS	P10-1V Lab-Dup	RDL	QC Batch	4-11	RDL	QC Batch
<b>Calculated Parameters</b>							
Hardness (CaCO <sub>3</sub> )	mg/L				2500	1.0	7302316
<b>Inorganics</b>							
Total Ammonia-N	mg/L				29	0.050	7307811
Conductivity	umho/cm				14000	1.0	7306785
Total Dissolved Solids	mg/L	3090	10	7308246	9270	20	7308246
Fluoride (F <sup>-</sup> )	mg/L				2.4	0.10	7306764
Total Kjeldahl Nitrogen (TKN)	mg/L				31	2.0	7307832
Total Organic Carbon (TOC)	mg/L				18	0.40	7307793
Orthophosphate (P)	mg/L				0.19	0.10	7306676
pH	pH				8.38		7306790
Phenols-4AAP	mg/L				0.035	0.0050	7307354
Alkalinity (Total as CaCO <sub>3</sub> )	mg/L				150	1.0	7306770
Nitrite (N)	mg/L				<0.050	0.050	7308306
Dissolved Chloride (Cl <sup>-</sup> )	mg/L				3500	50	7308934
Nitrate (N)	mg/L				<0.50	0.50	7308306
Nitrate + Nitrite (N)	mg/L				<0.50	0.50	7308306
Dissolved Bromide (Br <sup>-</sup> )	mg/L				<50	50	7308934
Dissolved Sulphate (SO <sub>4</sub> )	mg/L				1900	50	7308934
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate							



BUREAU  
VERITAS

BV Labs Job #: C1A1879  
Report Date: 2021/04/28

Terrapure Environmental  
Client Project #: GW

### ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

BV Labs ID		PIO627	PIO628	PIO628		PIO629		PIO630		
Sampling Date		2021/04/15	2021/04/15	2021/04/15		2021/04/15		2021/04/15		
COC Number		819873-03-01	819873-03-01	819873-03-01		819873-03-01		819873-03-01		
	UNITS	P10-1	P10-11	P10-11 Lab-Dup	RDL	P10-111	RDL	P10-1V	RDL	QC Batch
<b>Metals</b>										
Dissolved Aluminum (Al)	ug/L	<25	<25	<25	25	<25	25	<25	25	7306443
Dissolved Antimony (Sb)	ug/L	<2.5	<2.5	<2.5	2.5	<2.5	2.5	<2.5	2.5	7306443
Dissolved Arsenic (As)	ug/L	<5.0	<5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	7306443
Dissolved Barium (Ba)	ug/L	27	20	22	10	<10	10	11	10	7306443
Dissolved Beryllium (Be)	ug/L	<2.0	<2.0	<2.0	2.0	<2.0	2.0	<2.0	2.0	7306443
Dissolved Bismuth (Bi)	ug/L	<5.0	<5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	7306443
Dissolved Boron (B)	ug/L	1300	1600	1600	50	12000	50	1700	50	7306443
Dissolved Cadmium (Cd)	ug/L	<0.45	<0.45	<0.45	0.45	<0.45	0.45	<0.45	0.45	7306443
Dissolved Calcium (Ca)	ug/L	870000	830000	820000	1000	610000	1000	400000	1000	7306443
Dissolved Chromium (Cr)	ug/L	<25	<25	<25	25	<25	25	<25	25	7306443
Dissolved Cobalt (Co)	ug/L	<2.5	<2.5	<2.5	2.5	<2.5	2.5	<2.5	2.5	7306443
Dissolved Copper (Cu)	ug/L	<4.5	<4.5	<4.5	4.5	<4.5	4.5	<4.5	4.5	7306443
Dissolved Iron (Fe)	ug/L	<500	<500	<500	500	<500	500	<500	500	7306443
Dissolved Lead (Pb)	ug/L	<2.5	<2.5	<2.5	2.5	<2.5	2.5	<2.5	2.5	7306443
Dissolved Lithium (Li)	ug/L	640	600	580	25	2800	50	130	25	7306443
Dissolved Magnesium (Mg)	ug/L	120000	110000	100000	250	170000	250	74000	250	7306443
Dissolved Manganese (Mn)	ug/L	99	110	110	10	79	10	50	10	7306443
Dissolved Molybdenum (Mo)	ug/L	<2.5	15	14	2.5	<2.5	2.5	<2.5	2.5	7306443
Dissolved Nickel (Ni)	ug/L	<5.0	5.7	5.7	5.0	<5.0	5.0	<5.0	5.0	7306443
Dissolved Phosphorus (P)	ug/L	<500	<500	<500	500	<500	500	<500	500	7306443
Dissolved Potassium (K)	ug/L	69000	76000	71000	1000	37000	1000	30000	1000	7306443
Dissolved Selenium (Se)	ug/L	<10	<10	<10	10	14	10	<10	10	7306443
Dissolved Silicon (Si)	ug/L	3500	3200	3100	250	3400	250	2600	250	7306443
Dissolved Silver (Ag)	ug/L	<0.45	<0.45	<0.45	0.45	<0.45	0.45	<0.45	0.45	7306443
Dissolved Sodium (Na)	ug/L	1400000	2200000	2100000	500	940000	500	410000	500	7306443
Dissolved Strontium (Sr)	ug/L	13000	12000	11000	5.0	11000	5.0	7500	5.0	7306443
Dissolved Tellurium (Te)	ug/L	<5.0	<5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	7306443
Dissolved Thallium (Tl)	ug/L	<0.25	<0.25	<0.25	0.25	<0.25	0.25	<0.25	0.25	7306443
Dissolved Tin (Sn)	ug/L	<5.0	<5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	7306443
Dissolved Titanium (Ti)	ug/L	<25	<25	<25	25	<25	25	<25	25	7306443
Dissolved Tungsten (W)	ug/L	<5.0	5.2	5.2	5.0	<5.0	5.0	<5.0	5.0	7306443
Dissolved Uranium (U)	ug/L	<0.50	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7306443
Dissolved Vanadium (V)	ug/L	<2.5	<2.5	<2.5	2.5	<2.5	2.5	<2.5	2.5	7306443
Dissolved Zinc (Zn)	ug/L	<25	<25	<25	25	<25	25	<25	25	7306443
Dissolved Zirconium (Zr)	ug/L	<5.0	<5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	7306443
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate										



BUREAU  
VERITAS

BV Labs Job #: C1A1879  
Report Date: 2021/04/28

Terrapure Environmental  
Client Project #: GW

### ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

BV Labs ID		PIO631		
Sampling Date		2021/04/15		
COC Number		819873-03-01		
	UNITS	4-11	RDL	QC Batch
<b>Metals</b>				
Dissolved Aluminum (Al)	ug/L	<25	25	7306443
Dissolved Antimony (Sb)	ug/L	<2.5	2.5	7306443
Dissolved Arsenic (As)	ug/L	<5.0	5.0	7306443
Dissolved Barium (Ba)	ug/L	21	10	7306443
Dissolved Beryllium (Be)	ug/L	<2.0	2.0	7306443
Dissolved Bismuth (Bi)	ug/L	<5.0	5.0	7306443
Dissolved Boron (B)	ug/L	1600	50	7306443
Dissolved Cadmium (Cd)	ug/L	<0.45	0.45	7306443
Dissolved Calcium (Ca)	ug/L	830000	1000	7306443
Dissolved Chromium (Cr)	ug/L	<25	25	7306443
Dissolved Cobalt (Co)	ug/L	<2.5	2.5	7306443
Dissolved Copper (Cu)	ug/L	<4.5	4.5	7306443
Dissolved Iron (Fe)	ug/L	<500	500	7306443
Dissolved Lead (Pb)	ug/L	<2.5	2.5	7306443
Dissolved Lithium (Li)	ug/L	600	25	7306443
Dissolved Magnesium (Mg)	ug/L	110000	250	7306443
Dissolved Manganese (Mn)	ug/L	110	10	7306443
Dissolved Molybdenum (Mo)	ug/L	15	2.5	7306443
Dissolved Nickel (Ni)	ug/L	5.4	5.0	7306443
Dissolved Phosphorus (P)	ug/L	<500	500	7306443
Dissolved Potassium (K)	ug/L	72000	1000	7306443
Dissolved Selenium (Se)	ug/L	<10	10	7306443
Dissolved Silicon (Si)	ug/L	3200	250	7306443
Dissolved Silver (Ag)	ug/L	<0.45	0.45	7306443
Dissolved Sodium (Na)	ug/L	2100000	500	7306443
Dissolved Strontium (Sr)	ug/L	12000	5.0	7306443
Dissolved Tellurium (Te)	ug/L	<5.0	5.0	7306443
Dissolved Thallium (Tl)	ug/L	<0.25	0.25	7306443
Dissolved Tin (Sn)	ug/L	<5.0	5.0	7306443
Dissolved Titanium (Ti)	ug/L	<25	25	7306443
Dissolved Tungsten (W)	ug/L	5.3	5.0	7306443
Dissolved Uranium (U)	ug/L	<0.50	0.50	7306443
Dissolved Vanadium (V)	ug/L	<2.5	2.5	7306443
Dissolved Zinc (Zn)	ug/L	<25	25	7306443
Dissolved Zirconium (Zr)	ug/L	<5.0	5.0	7306443
RDL = Reportable Detection Limit				
QC Batch = Quality Control Batch				



BUREAU  
VERITAS

BV Labs Job #: C1A1879  
Report Date: 2021/04/28

Terrapure Environmental  
Client Project #: GW

### SEMI-VOLATILE ORGANICS BY GC-MS (WATER)

BV Labs ID		PIO627	PIO628	PIO629		PIO630		
Sampling Date		2021/04/15	2021/04/15	2021/04/15		2021/04/15		
COC Number		819873-03-01	819873-03-01	819873-03-01		819873-03-01		
	UNITS	P10-1	P10-11	P10-111	RDL	P10-1V	RDL	QC Batch
<b>Semivolatile Organics</b>								
Acenaphthene	ug/L	<2.0	<2.0	<2.0	2.0	<0.80	0.80	7316347
Acenaphthylene	ug/L	<2.0	<2.0	<2.0	2.0	<0.80	0.80	7316347
Anthracene	ug/L	<2.0	<2.0	<2.0	2.0	<0.80	0.80	7316347
Benzo(a)anthracene	ug/L	<2.0	<2.0	<2.0	2.0	<0.80	0.80	7316347
Benzo(a)pyrene	ug/L	<2.0	<2.0	<2.0	2.0	<0.80	0.80	7316347
Benzo(b,j)fluoranthene	ug/L	<2.0	<2.0	<2.0	2.0	<0.80	0.80	7316347
Benzo(g,h,i)perylene	ug/L	<2.0	<2.0	<2.0	2.0	<0.80	0.80	7316347
Benzo(k)fluoranthene	ug/L	<2.0	<2.0	<2.0	2.0	<0.80	0.80	7316347
1-Chloronaphthalene	ug/L	<10	<10	<10	10	<4.0	4.0	7316347
2-Chloronaphthalene	ug/L	<5.0	<5.0	<5.0	5.0	<2.0	2.0	7316347
Chrysene	ug/L	<2.0	<2.0	<2.0	2.0	<0.80	0.80	7316347
Dibenzo(a,h)anthracene	ug/L	<2.0	<2.0	<2.0	2.0	<0.80	0.80	7316347
Fluoranthene	ug/L	<2.0	<2.0	<2.0	2.0	<0.80	0.80	7316347
Fluorene	ug/L	<2.0	<2.0	<2.0	2.0	<0.80	0.80	7316347
Indeno(1,2,3-cd)pyrene	ug/L	<2.0	<2.0	<2.0	2.0	<0.80	0.80	7316347
1-Methylnaphthalene	ug/L	<2.0	<2.0	<2.0	2.0	<0.80	0.80	7316347
2-Methylnaphthalene	ug/L	<2.0	<2.0	<2.0	2.0	<0.80	0.80	7316347
Naphthalene	ug/L	<2.0	<2.0	<2.0	2.0	<0.80	0.80	7316347
5-Nitroacenaphthene	ug/L	<10	<10	<10	10	<4.0	4.0	7316347
Perylene	ug/L	<2.0	<2.0	<2.0	2.0	<0.80	0.80	7316347
Phenanthrene	ug/L	<2.0	<2.0	<2.0	2.0	<0.80	0.80	7316347
Pyrene	ug/L	<2.0	<2.0	<2.0	2.0	<0.80	0.80	7316347
1,2-Dichlorobenzene	ug/L	<5.0	<5.0	<5.0	5.0	<2.0	2.0	7316347
1,3-Dichlorobenzene	ug/L	<5.0	<5.0	<5.0	5.0	<2.0	2.0	7316347
1,4-Dichlorobenzene	ug/L	<5.0	<5.0	<5.0	5.0	<2.0	2.0	7316347
Hexachlorobenzene	ug/L	<5.0	<5.0	<5.0	5.0	<2.0	2.0	7316347
Pentachlorobenzene	ug/L	<5.0	<5.0	<5.0	5.0	<2.0	2.0	7316347
1,2,3,5-Tetrachlorobenzene	ug/L	<5.0	<5.0	<5.0	5.0	<2.0	2.0	7316347
1,2,4,5-Tetrachlorobenzene	ug/L	<5.0	<5.0	<5.0	5.0	<2.0	2.0	7316347
1,2,3-Trichlorobenzene	ug/L	<5.0	<5.0	<5.0	5.0	<2.0	2.0	7316347
1,2,4-Trichlorobenzene	ug/L	<5.0	<5.0	<5.0	5.0	<2.0	2.0	7316347
1,3,5-Trichlorobenzene	ug/L	<5.0	<5.0	<5.0	5.0	<2.0	2.0	7316347
2-Chlorophenol	ug/L	<3.0	<3.0	<3.0	3.0	<1.2	1.2	7316347
4-Chloro-3-Methylphenol	ug/L	<5.0	<5.0	<5.0	5.0	<2.0	2.0	7316347
m/p-Cresol	ug/L	<5.0	<5.0	<5.0	5.0	<2.0	2.0	7316347
o-Cresol	ug/L	<5.0	<5.0	<5.0	5.0	<2.0	2.0	7316347
RDL = Reportable Detection Limit								
QC Batch = Quality Control Batch								





BUREAU  
VERITAS

BV Labs Job #: C1A1879  
Report Date: 2021/04/28

Terrapure Environmental  
Client Project #: GW

### SEMI-VOLATILE ORGANICS BY GC-MS (WATER)

BV Labs ID		PIO627	PIO628	PIO629		PIO630		
Sampling Date		2021/04/15	2021/04/15	2021/04/15		2021/04/15		
COC Number		819873-03-01	819873-03-01	819873-03-01		819873-03-01		
	UNITS	P10-1	P10-11	P10-111	RDL	P10-1V	RDL	QC Batch
1,2,3,4-Tetrachlorobenzene	ug/L	<5.0	<5.0	<5.0	5.0	<2.0	2.0	7316347
2,3-Dichlorophenol	ug/L	<5.0	<5.0	<5.0	5.0	<2.0	2.0	7316347
2,4-Dichlorophenol	ug/L	<3.0	<3.0	<3.0	3.0	<1.2	1.2	7316347
2,5-Dichlorophenol	ug/L	<5.0	<5.0	<5.0	5.0	<2.0	2.0	7316347
2,6-Dichlorophenol	ug/L	<5.0	<5.0	<5.0	5.0	<2.0	2.0	7316347
3,4-Dichlorophenol	ug/L	<5.0	<5.0	<5.0	5.0	<2.0	2.0	7316347
3,5-Dichlorophenol	ug/L	<5.0	<5.0	<5.0	5.0	<2.0	2.0	7316347
2,4-Dimethylphenol	ug/L	<5.0	<5.0	<5.0	5.0	<2.0	2.0	7316347
2,4-Dinitrophenol	ug/L	<60	<60	<60	60	<25	25	7316347
4,6-Dinitro-2-methylphenol	ug/L	<20	<20	<20	20	<8.0	8.0	7316347
2-Nitrophenol	ug/L	<5.0	<5.0	<5.0	5.0	<2.0	2.0	7316347
4-Nitrophenol	ug/L	<60	<60	<60	60	<25	25	7316347
Pentachlorophenol	ug/L	<60	<60	<60	60	<25	25	7316347
Phenol	ug/L	<5.0	<5.0	<5.0	5.0	<2.0	2.0	7316347
2,3,4,5-Tetrachlorophenol	ug/L	<4.0	<4.0	<4.0	4.0	<1.6	1.6	7316347
2,3,4,6-Tetrachlorophenol	ug/L	<5.0	<5.0	<5.0	5.0	<2.0	2.0	7316347
2,3,5,6-Tetrachlorophenol	ug/L	<5.0	<5.0	<5.0	5.0	<2.0	2.0	7316347
2,3,4-Trichlorophenol	ug/L	<5.0	<5.0	<5.0	5.0	<2.0	2.0	7316347
2,3,5-Trichlorophenol	ug/L	<5.0	<5.0	<5.0	5.0	<2.0	2.0	7316347
2,3,6-Trichlorophenol	ug/L	<5.0	<5.0	<5.0	5.0	<2.0	2.0	7316347
2,4,5-Trichlorophenol	ug/L	<5.0	<5.0	<5.0	5.0	<2.0	2.0	7316347
2,4,6-Trichlorophenol	ug/L	<5.0	<5.0	<5.0	5.0	<2.0	2.0	7316347
3,4,5-Trichlorophenol	ug/L	<5.0	<5.0	<5.0	5.0	<2.0	2.0	7316347
Benzyl butyl phthalate	ug/L	<5.0	<5.0	<5.0	5.0	<2.0	2.0	7316347
Biphenyl	ug/L	<5.0	<5.0	<5.0	5.0	<2.0	2.0	7316347
Bis(2-chloroethyl)ether	ug/L	<5.0	<5.0	<5.0	5.0	<2.0	2.0	7316347
Bis(2-chloroethoxy)methane	ug/L	<5.0	<5.0	<5.0	5.0	<2.0	2.0	7316347
Bis(2-chloroisopropyl)ether	ug/L	<5.0	<5.0	<5.0	5.0	<2.0	2.0	7316347
Bis(2-ethylhexyl)phthalate	ug/L	<20	<20	<20	20	<8.0	8.0	7316347
4-Bromophenyl phenyl ether	ug/L	<3.0	<3.0	<3.0	3.0	<1.2	1.2	7316347
p-Chloroaniline	ug/L	<10	<10	<10	10	<4.0	4.0	7316347
4-Chlorophenyl phenyl ether	ug/L	<5.0	<5.0	<5.0	5.0	<2.0	2.0	7316347
Di-N-butyl phthalate	ug/L	<20	<20	<20	20	<8.0	8.0	7316347
di-n-octyl phthalate	ug/L	<8.0	<8.0	<8.0	8.0	<3.2	3.2	7316347
2,4-Dinitrotoluene	ug/L	<5.0	<5.0	<5.0	5.0	<2.0	2.0	7316347
Diethyl phthalate	ug/L	<10	<10	<10	10	<4.0	4.0	7316347
3,3'-Dichlorobenzidine	ug/L	<5.0	<5.0	<5.0	5.0	<2.0	2.0	7316347
RDL = Reportable Detection Limit								
QC Batch = Quality Control Batch								



BUREAU  
VERITAS

BV Labs Job #: C1A1879  
Report Date: 2021/04/28

Terrapure Environmental  
Client Project #: GW

### SEMI-VOLATILE ORGANICS BY GC-MS (WATER)

BV Labs ID		PIO627	PIO628	PIO629		PIO630		
Sampling Date		2021/04/15	2021/04/15	2021/04/15		2021/04/15		
COC Number		819873-03-01	819873-03-01	819873-03-01		819873-03-01		
	UNITS	P10-1	P10-11	P10-111	RDL	P10-1V	RDL	QC Batch
Dimethyl phthalate	ug/L	<10	<10	<10	10	<4.0	4.0	7316347
2,6-Dinitrotoluene	ug/L	<5.0	<5.0	<5.0	5.0	<2.0	2.0	7316347
Diphenyl Ether	ug/L	<3.0	<3.0	<3.0	3.0	<1.2	1.2	7316347
Hexachlorobutadiene	ug/L	<4.0	<4.0	<4.0	4.0	<1.6	1.6	7316347
Hexachlorocyclopentadiene	ug/L	<20	<20	<20	20	<8.0	8.0	7316347
Hexachloroethane	ug/L	<5.0	<5.0	<5.0	5.0	<2.0	2.0	7316347
Isophorone	ug/L	<5.0	<5.0	<5.0	5.0	<2.0	2.0	7316347
Nitrobenzene	ug/L	<5.0	<5.0	<5.0	5.0	<2.0	2.0	7316347
Nitrosodiphenylamine/Diphenylamine	ug/L	<10	<10	<10	10	<4.0	4.0	7316347
N-Nitroso-di-n-propylamine	ug/L	<5.0	<5.0	<5.0	5.0	<2.0	2.0	7316347
<b>Surrogate Recovery (%)</b>								
2,4,6-Tribromophenol	%	65	103	72		79		7316347
2-Fluorobiphenyl	%	81	85	50		79		7316347
2-Fluorophenol	%	40	45	26		40		7316347
D14-Terphenyl	%	110	119	121		113		7316347
D5-Nitrobenzene	%	71	82	61		77		7316347
D5-Phenol	%	24	30	21		26		7316347
RDL = Reportable Detection Limit QC Batch = Quality Control Batch								



BUREAU  
VERITAS

BV Labs Job #: C1A1879  
Report Date: 2021/04/28

Terrapure Environmental  
Client Project #: GW

### VOLATILE ORGANICS BY GC/MS (WATER)

BV Labs ID		PIO627	PIO628	PIO628		PIO629		PIO630		
Sampling Date		2021/04/15	2021/04/15	2021/04/15		2021/04/15		2021/04/15		
COC Number		819873-03-01	819873-03-01	819873-03-01		819873-03-01		819873-03-01		
	UNITS	P10-1	P10-11	P10-11 Lab-Dup	RDL	P10-111	RDL	P10-1V	RDL	QC Batch
<b>Volatile Organics</b>										
Acetone (2-Propanone)	ug/L	<50	240	250	50	<25	25	<50	50	7304564
Benzene	ug/L	<0.50	<0.50	<0.50	0.50	<0.25	0.25	<0.50	0.50	7304564
Bromodichloromethane	ug/L	<0.50	<0.50	<0.50	0.50	<0.25	0.25	<0.50	0.50	7304564
Acrolein	ug/L	<50	<50	<50	50	<25	25	<50	50	7305106
Bromoform	ug/L	<1.0	<1.0	<1.0	1.0	<0.50	0.50	<1.0	1.0	7304564
Bromomethane	ug/L	<2.5	<2.5	<2.5	2.5	<1.3	1.3	<2.5	2.5	7304564
Carbon Tetrachloride	ug/L	<0.50	<0.50	<0.50	0.50	<0.25	0.25	<0.50	0.50	7304564
Chlorobenzene	ug/L	<0.50	<0.50	<0.50	0.50	<0.25	0.25	<0.50	0.50	7304564
Chloroethane	ug/L	<1.0	<1.0	<1.0	1.0	<0.50	0.50	<1.0	1.0	7304564
Chloroform	ug/L	<0.50	<0.50	<0.50	0.50	<0.25	0.25	<0.50	0.50	7304564
Acrylonitrile	ug/L	<25	<25	<25	25	<13	13	<25	25	7305106
Chloromethane	ug/L	<2.5	<2.5	<2.5	2.5	<1.3	1.3	<2.5	2.5	7304564
Dibromochloromethane	ug/L	<1.0	<1.0	<1.0	1.0	<0.50	0.50	<1.0	1.0	7304564
1,2-Dichlorobenzene	ug/L	<1.0	<1.0	<1.0	1.0	<0.50	0.50	<1.0	1.0	7304564
1,3-Dichlorobenzene	ug/L	<1.0	<1.0	<1.0	1.0	<0.50	0.50	<1.0	1.0	7304564
1,4-Dichlorobenzene	ug/L	<1.0	<1.0	<1.0	1.0	<0.50	0.50	<1.0	1.0	7304564
1,1-Dichloroethane	ug/L	<0.50	<0.50	<0.50	0.50	<0.25	0.25	<0.50	0.50	7304564
1,2-Dichloroethane	ug/L	<1.0	<1.0	<1.0	1.0	<0.50	0.50	<1.0	1.0	7304564
1,1-Dichloroethylene	ug/L	<0.50	<0.50	<0.50	0.50	<0.25	0.25	<0.50	0.50	7304564
cis-1,2-Dichloroethylene	ug/L	<0.50	<0.50	<0.50	0.50	<0.25	0.25	<0.50	0.50	7304564
trans-1,2-Dichloroethylene	ug/L	<0.50	<0.50	<0.50	0.50	<0.25	0.25	<0.50	0.50	7304564
1,2-Dichloropropane	ug/L	<0.50	<0.50	<0.50	0.50	<0.25	0.25	<0.50	0.50	7304564
cis-1,3-Dichloropropene	ug/L	<1.0	<1.0	<1.0	1.0	<0.50	0.50	<1.0	1.0	7304564
trans-1,3-Dichloropropene	ug/L	<1.0	<1.0	<1.0	1.0	<0.50	0.50	<1.0	1.0	7304564
Ethylbenzene	ug/L	<0.50	<0.50	<0.50	0.50	0.30	0.25	<0.50	0.50	7304564
Ethylene Dibromide	ug/L	<1.0	<1.0	<1.0	1.0	<0.50	0.50	<1.0	1.0	7304564
Methylene Chloride(Dichloromethane)	ug/L	<2.5	<2.5	<2.5	2.5	<1.3	1.3	<2.5	2.5	7304564
Methyl Ethyl Ketone (2-Butanone)	ug/L	<25	<25	<25	25	<13	13	<25	25	7304564
Methyl Isobutyl Ketone	ug/L	<25	<25	<25	25	<13	13	<25	25	7304564
Methyl t-butyl ether (MTBE)	ug/L	<1.0	<1.0	<1.0	1.0	<0.50	0.50	<1.0	1.0	7304564
Styrene	ug/L	<1.0	<1.0	<1.0	1.0	<0.50	0.50	<1.0	1.0	7304564
1,1,1,2-Tetrachloroethane	ug/L	<1.0	<1.0	<1.0	1.0	<0.50	0.50	<1.0	1.0	7304564
1,1,2,2-Tetrachloroethane	ug/L	<1.0	<1.0	<1.0	1.0	<0.50	0.50	<1.0	1.0	7304564
Tetrachloroethylene	ug/L	<0.50	<0.50	<0.50	0.50	<0.25	0.25	<0.50	0.50	7304564
Toluene	ug/L	<1.0	<1.0	<1.0	1.0	<0.50	0.50	<1.0	1.0	7304564
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate										



BUREAU  
VERITAS

BV Labs Job #: C1A1879  
Report Date: 2021/04/28

Terrapure Environmental  
Client Project #: GW

### VOLATILE ORGANICS BY GC/MS (WATER)

BV Labs ID		PIO627	PIO628	PIO628		PIO629		PIO630		
Sampling Date		2021/04/15	2021/04/15	2021/04/15		2021/04/15		2021/04/15		
COC Number		819873-03-01	819873-03-01	819873-03-01		819873-03-01		819873-03-01		
	UNITS	P10-1	P10-11	P10-11 Lab-Dup	RDL	P10-111	RDL	P10-1V	RDL	QC Batch
1,1,1-Trichloroethane	ug/L	<0.50	<0.50	<0.50	0.50	<0.25	0.25	<0.50	0.50	7304564
1,1,2-Trichloroethane	ug/L	<1.0	<1.0	<1.0	1.0	<0.50	0.50	<1.0	1.0	7304564
Trichloroethylene	ug/L	<0.50	<0.50	<0.50	0.50	<0.25	0.25	<0.50	0.50	7304564
Trichlorofluoromethane (FREON 11)	ug/L	<1.0	<1.0	<1.0	1.0	<0.50	0.50	<1.0	1.0	7304564
Vinyl Chloride	ug/L	<1.0	<1.0	<1.0	1.0	<0.50	0.50	<1.0	1.0	7304564
p+m-Xylene	ug/L	<0.50	<0.50	<0.50	0.50	0.54	0.25	<0.50	0.50	7304564
Methyl Butyl Ketone (2-Hexanone)	ug/L	<25	<25	<25	25	<13	13	<25	25	7305106
o-Xylene	ug/L	<0.50	<0.50	<0.50	0.50	<0.25	0.25	<0.50	0.50	7304564
Total Xylenes	ug/L	<0.50	<0.50	<0.50	0.50	0.54	0.25	<0.50	0.50	7304564
Total Trihalomethanes	ug/L	<1.0	<1.0	<1.0	1.0	<0.50	0.50	<1.0	1.0	7304564
<b>Surrogate Recovery (%)</b>										
4-Bromofluorobenzene	%	104	112	107		109		107		7304564
D4-1,2-Dichloroethane	%	91	88	87		90		90		7304564
D8-Toluene	%	96	98	99		97		96		7304564
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate										



BUREAU  
VERITAS

BV Labs Job #: C1A1879  
Report Date: 2021/04/28

Terrapure Environmental  
Client Project #: GW

### O.REG 153 OC PESTICIDES (WATER)

BV Labs ID		PIO627	PIO628		PIO629		PIO630		
Sampling Date		2021/04/15	2021/04/15		2021/04/15		2021/04/15		
COC Number		819873-03-01	819873-03-01		819873-03-01		819873-03-01		
	UNITS	P10-1	P10-11	RDL	P10-111	RDL	P10-1V	RDL	QC Batch
<b>Calculated Parameters</b>									
Chlordane (Total)	ug/L	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7302358
o,p-DDD + p,p-DDD	ug/L	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7302358
o,p-DDE + p,p-DDE	ug/L	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7302358
o,p-DDT + p,p-DDT	ug/L	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7302358
Total Endosulfan	ug/L	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7302358
Total PCB	ug/L	<0.05	<0.05	0.05	<0.5	0.5	<0.05	0.05	7302358
<b>Pesticides &amp; Herbicides</b>									
Aldrin	ug/L	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7316307
Dieldrin	ug/L	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7316307
a-Chlordane	ug/L	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7316307
g-Chlordane	ug/L	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7316307
o,p-DDD	ug/L	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7316307
p,p-DDD	ug/L	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7316307
o,p-DDE	ug/L	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7316307
p,p-DDE	ug/L	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7316307
o,p-DDT	ug/L	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7316307
p,p-DDT	ug/L	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7316307
Lindane	ug/L	<0.003	<0.003	0.003	<0.03	0.03	<0.003	0.003	7316307
Endosulfan I (alpha)	ug/L	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7316307
Endosulfan II (beta)	ug/L	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7316307
Endrin	ug/L	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7316307
Heptachlor	ug/L	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7316307
Heptachlor epoxide	ug/L	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7316307
Hexachlorobenzene	ug/L	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7316307
Hexachlorobutadiene	ug/L	<0.009	<0.009	0.009	<0.09	0.09	<0.009	0.009	7316307
Hexachloroethane	ug/L	<0.01	<0.01	0.01	<0.1	0.1	<0.01	0.01	7316307
Methoxychlor	ug/L	<0.01	<0.01	0.01	<0.1	0.1	<0.01	0.01	7316307
Aroclor 1242	ug/L	<0.05	<0.05	0.05	<0.5	0.5	<0.05	0.05	7316307
Aroclor 1248	ug/L	<0.05	<0.05	0.05	<0.5	0.5	<0.05	0.05	7316307
Aroclor 1254	ug/L	<0.05	<0.05	0.05	<0.5	0.5	<0.05	0.05	7316307
Aroclor 1260	ug/L	<0.05	<0.05	0.05	<0.5	0.5	<0.05	0.05	7316307
alpha-BHC	ug/L	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7316307
beta-BHC	ug/L	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7316307
Endrin aldehyde	ug/L	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7316307
Endrin ketone	ug/L	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7316307
Mirex	ug/L	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7316307
RDL = Reportable Detection Limit									
QC Batch = Quality Control Batch									



**O.REG 153 OC PESTICIDES (WATER)**

BV Labs ID		PIO627	PIO628		PIO629		PIO630		
Sampling Date		2021/04/15	2021/04/15		2021/04/15		2021/04/15		
COC Number		819873-03-01	819873-03-01		819873-03-01		819873-03-01		
	UNITS	P10-1	P10-11	RDL	P10-111	RDL	P10-1V	RDL	QC Batch
Toxaphene	ug/L	<0.2	<0.2	0.2	<2	2	<0.2	0.2	7316307
<b>Surrogate Recovery (%)</b>									
2,4,5,6-Tetrachloro-m-xylene	%	65	67		75		61		7316307
Decachlorobiphenyl	%	91	100		114		96		7316307
RDL = Reportable Detection Limit									
QC Batch = Quality Control Batch									



**O.REG 153 OC PESTICIDES (WATER)**

BV Labs ID		PIO630		
Sampling Date		2021/04/15		
COC Number		819873-03-01		
	UNITS	P10-1V Lab-Dup	RDL	QC Batch
<b>Pesticides &amp; Herbicides</b>				
Aldrin	ug/L	<0.005	0.005	7316307
Dieldrin	ug/L	<0.005	0.005	7316307
a-Chlordane	ug/L	<0.005	0.005	7316307
g-Chlordane	ug/L	<0.005	0.005	7316307
o,p-DDD	ug/L	<0.005	0.005	7316307
p,p-DDD	ug/L	<0.005	0.005	7316307
o,p-DDE	ug/L	<0.005	0.005	7316307
p,p-DDE	ug/L	<0.005	0.005	7316307
o,p-DDT	ug/L	<0.005	0.005	7316307
p,p-DDT	ug/L	<0.005	0.005	7316307
Lindane	ug/L	<0.003	0.003	7316307
Endosulfan I (alpha)	ug/L	<0.005	0.005	7316307
Endosulfan II (beta)	ug/L	<0.005	0.005	7316307
Endrin	ug/L	<0.005	0.005	7316307
Heptachlor	ug/L	<0.005	0.005	7316307
Heptachlor epoxide	ug/L	<0.005	0.005	7316307
Hexachlorobenzene	ug/L	<0.005	0.005	7316307
Hexachlorobutadiene	ug/L	<0.009	0.009	7316307
Hexachloroethane	ug/L	<0.01	0.01	7316307
Methoxychlor	ug/L	<0.01	0.01	7316307
Aroclor 1242	ug/L	<0.05	0.05	7316307
Aroclor 1248	ug/L	<0.05	0.05	7316307
Aroclor 1254	ug/L	<0.05	0.05	7316307
Aroclor 1260	ug/L	<0.05	0.05	7316307
alpha-BHC	ug/L	<0.005	0.005	7316307
beta-BHC	ug/L	<0.005	0.005	7316307
Endrin aldehyde	ug/L	<0.005	0.005	7316307
Endrin ketone	ug/L	<0.005	0.005	7316307
Mirex	ug/L	<0.005	0.005	7316307
Toxaphene	ug/L	<0.2	0.2	7316307
<b>Surrogate Recovery (%)</b>				
2,4,5,6-Tetrachloro-m-xylene	%	71		7316307
Decachlorobiphenyl	%	102		7316307
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate				



BUREAU  
VERITAS

BV Labs Job #: C1A1879  
Report Date: 2021/04/28

Terrapure Environmental  
Client Project #: GW

### TEST SUMMARY

**BV Labs ID:** PIO627  
**Sample ID:** P10-1  
**Matrix:** Water

**Collected:** 2021/04/15  
**Shipped:**  
**Received:** 2021/04/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in Water by GC/MS	GC/MS	7316347	2021/04/23	2021/04/26	Anh Lieu
Alkalinity	AT	7306770	N/A	2021/04/20	Surinder Rai
Anions	IC	7308934	N/A	2021/04/21	Fari Dehdezi
Conductivity	AT	7306785	N/A	2021/04/20	Surinder Rai
Fluoride	ISE	7306764	2021/04/19	2021/04/20	Surinder Rai
Hardness (calculated as CaCO3)		7302316	N/A	2021/04/22	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7306443	N/A	2021/04/21	Nan Raykha
Total Ammonia-N	LACH/NH4	7307811	N/A	2021/04/21	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7308306	N/A	2021/04/21	Chandra Nandlal
OC Pesticides (Selected) & PCB	GC/ECD	7316307	2021/04/23	2021/04/24	Li Peng
OC Pesticides Summed Parameters	CALC	7302358	N/A	2021/04/20	Automated Statchk
pH	AT	7306790	2021/04/19	2021/04/20	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7307354	N/A	2021/04/23	Bramdeo Motiram
Orthophosphate	KONE	7306676	N/A	2021/04/20	Avneet Kour Sudan
Total Dissolved Solids	BAL	7308246	2021/04/20	2021/04/21	Sandeep Kaur
Total Kjeldahl Nitrogen in Water	SKAL	7307832	2021/04/20	2021/04/21	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7307793	N/A	2021/04/21	Nimarta Singh
Volatile Organic Compounds in Water	P&T/MS	7304564	N/A	2021/04/19	Gladys Guerrero
Non-Routine Volatile Organic Compounds	P&T/MS	7305106	N/A	2021/04/19	Gladys Guerrero

**BV Labs ID:** PIO627 Dup  
**Sample ID:** P10-1  
**Matrix:** Water

**Collected:** 2021/04/15  
**Shipped:**  
**Received:** 2021/04/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7308306	N/A	2021/04/21	Chandra Nandlal

**BV Labs ID:** PIO628  
**Sample ID:** P10-11  
**Matrix:** Water

**Collected:** 2021/04/15  
**Shipped:**  
**Received:** 2021/04/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in Water by GC/MS	GC/MS	7316347	2021/04/23	2021/04/26	Anh Lieu
Alkalinity	AT	7305613	N/A	2021/04/19	Surinder Rai
Anions	IC	7308934	N/A	2021/04/21	Fari Dehdezi
Conductivity	AT	7305615	N/A	2021/04/19	Surinder Rai
Fluoride	ISE	7305609	2021/04/19	2021/04/19	Surinder Rai
Hardness (calculated as CaCO3)		7302316	N/A	2021/04/22	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7306443	N/A	2021/04/21	Nan Raykha
Total Ammonia-N	LACH/NH4	7307811	N/A	2021/04/21	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7306511	N/A	2021/04/21	Chandra Nandlal
OC Pesticides (Selected) & PCB	GC/ECD	7316307	2021/04/23	2021/04/24	Li Peng
OC Pesticides Summed Parameters	CALC	7302358	N/A	2021/04/20	Automated Statchk
pH	AT	7305610	2021/04/19	2021/04/19	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7307354	N/A	2021/04/22	Bramdeo Motiram
Orthophosphate	KONE	7305993	N/A	2021/04/20	Avneet Kour Sudan





BUREAU  
VERITAS

BV Labs Job #: C1A1879  
Report Date: 2021/04/28

Terrapure Environmental  
Client Project #: GW

### TEST SUMMARY

**BV Labs ID:** PIO628  
**Sample ID:** P10-11  
**Matrix:** Water

**Collected:** 2021/04/15  
**Shipped:**  
**Received:** 2021/04/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Dissolved Solids	BAL	7308246	2021/04/20	2021/04/21	Sandeep Kaur
Total Kjeldahl Nitrogen in Water	SKAL	7307832	2021/04/20	2021/04/21	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7307793	N/A	2021/04/21	Nimarta Singh
Volatile Organic Compounds in Water	P&T/MS	7304564	N/A	2021/04/19	Gladys Guerrero
Non-Routine Volatile Organic Compounds	P&T/MS	7305106	N/A	2021/04/19	Gladys Guerrero

**BV Labs ID:** PIO628 Dup  
**Sample ID:** P10-11  
**Matrix:** Water

**Collected:** 2021/04/15  
**Shipped:**  
**Received:** 2021/04/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Anions	IC	7308934	N/A	2021/04/21	Fari Dehdezi
Dissolved Metals by ICPMS	ICP/MS	7306443	N/A	2021/04/21	Nan Raykha
Volatile Organic Compounds in Water	P&T/MS	7304564	N/A	2021/04/19	Gladys Guerrero
Non-Routine Volatile Organic Compounds	P&T/MS	7305106	N/A	2021/04/19	Gladys Guerrero

**BV Labs ID:** PIO629  
**Sample ID:** P10-111  
**Matrix:** Water

**Collected:** 2021/04/15  
**Shipped:**  
**Received:** 2021/04/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in Water by GC/MS	GC/MS	7316347	2021/04/23	2021/04/26	Anh Lieu
Alkalinity	AT	7306770	N/A	2021/04/20	Surinder Rai
Anions	IC	7308934	N/A	2021/04/21	Fari Dehdezi
Conductivity	AT	7306785	N/A	2021/04/20	Surinder Rai
Fluoride	ISE	7306764	2021/04/19	2021/04/20	Surinder Rai
Hardness (calculated as CaCO3)		7302316	N/A	2021/04/22	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7306443	N/A	2021/04/21	Nan Raykha
Total Ammonia-N	LACH/NH4	7307811	N/A	2021/04/21	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7308306	N/A	2021/04/22	Chandra Nandlal
OC Pesticides (Selected) & PCB	GC/ECD	7316307	2021/04/23	2021/04/24	Li Peng
OC Pesticides Summed Parameters	CALC	7302358	N/A	2021/04/20	Automated Statchk
pH	AT	7306790	2021/04/19	2021/04/20	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7307354	N/A	2021/04/23	Bramdeo Motiram
Orthophosphate	KONE	7306676	N/A	2021/04/20	Avneet Kour Sudan
Total Dissolved Solids	BAL	7308246	2021/04/20	2021/04/21	Sandeep Kaur
Total Kjeldahl Nitrogen in Water	SKAL	7307832	2021/04/20	2021/04/21	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7307793	N/A	2021/04/21	Nimarta Singh
Volatile Organic Compounds in Water	P&T/MS	7304564	N/A	2021/04/19	Gladys Guerrero
Non-Routine Volatile Organic Compounds	P&T/MS	7305106	N/A	2021/04/19	Gladys Guerrero



BUREAU  
VERITAS

BV Labs Job #: C1A1879  
Report Date: 2021/04/28

Terrapure Environmental  
Client Project #: GW

### TEST SUMMARY

**BV Labs ID:** PIO630  
**Sample ID:** P10-1V  
**Matrix:** Water

**Collected:** 2021/04/15  
**Shipped:**  
**Received:** 2021/04/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in Water by GC/MS	GC/MS	7316347	2021/04/23	2021/04/26	Anh Lieu
Alkalinity	AT	7306770	N/A	2021/04/20	Surinder Rai
Anions	IC	7308934	N/A	2021/04/21	Fari Dehdezi
Conductivity	AT	7306785	N/A	2021/04/20	Surinder Rai
Fluoride	ISE	7306764	2021/04/19	2021/04/20	Surinder Rai
Hardness (calculated as CaCO3)		7302316	N/A	2021/04/22	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7306443	N/A	2021/04/21	Nan Raykha
Total Ammonia-N	LACH/NH4	7307811	N/A	2021/04/21	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7308306	N/A	2021/04/21	Chandra Nandlal
OC Pesticides (Selected) & PCB	GC/ECD	7316307	2021/04/23	2021/04/24	Li Peng
OC Pesticides Summed Parameters	CALC	7302358	N/A	2021/04/20	Automated Statchk
pH	AT	7306790	2021/04/19	2021/04/20	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7307354	N/A	2021/04/22	Bramdeo Motiram
Orthophosphate	KONE	7306676	N/A	2021/04/20	Avneet Kour Sudan
Total Dissolved Solids	BAL	7308246	2021/04/20	2021/04/21	Sandeep Kaur
Total Kjeldahl Nitrogen in Water	SKAL	7307832	2021/04/20	2021/04/20	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7307793	N/A	2021/04/21	Nimarta Singh
Volatile Organic Compounds in Water	P&T/MS	7304564	N/A	2021/04/19	Gladys Guerrero
Non-Routine Volatile Organic Compounds	P&T/MS	7305106	N/A	2021/04/19	Gladys Guerrero

**BV Labs ID:** PIO630 Dup  
**Sample ID:** P10-1V  
**Matrix:** Water

**Collected:** 2021/04/15  
**Shipped:**  
**Received:** 2021/04/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
OC Pesticides (Selected) & PCB	GC/ECD	7316307	2021/04/23	2021/04/24	Li Peng
Total Dissolved Solids	BAL	7308246	2021/04/20	2021/04/21	Sandeep Kaur

**BV Labs ID:** PIO631  
**Sample ID:** 4-11  
**Matrix:** Water

**Collected:** 2021/04/15  
**Shipped:**  
**Received:** 2021/04/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7306770	N/A	2021/04/20	Surinder Rai
Anions	IC	7308934	N/A	2021/04/21	Fari Dehdezi
Conductivity	AT	7306785	N/A	2021/04/20	Surinder Rai
Fluoride	ISE	7306764	2021/04/19	2021/04/20	Surinder Rai
Hardness (calculated as CaCO3)		7302316	N/A	2021/04/22	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7306443	N/A	2021/04/21	Nan Raykha
Total Ammonia-N	LACH/NH4	7307811	N/A	2021/04/21	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7308306	N/A	2021/04/21	Chandra Nandlal
pH	AT	7306790	2021/04/19	2021/04/20	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7307354	N/A	2021/04/23	Bramdeo Motiram
Orthophosphate	KONE	7306676	N/A	2021/04/20	Avneet Kour Sudan
Total Dissolved Solids	BAL	7308246	2021/04/20	2021/04/21	Sandeep Kaur
Total Kjeldahl Nitrogen in Water	SKAL	7307832	2021/04/20	2021/04/21	Rajni Tyagi



**BUREAU**  
**VERITAS**

BV Labs Job #: C1A1879  
Report Date: 2021/04/28

Terrapure Environmental  
Client Project #: GW

### TEST SUMMARY

**BV Labs ID:** PIO631  
**Sample ID:** 4-11  
**Matrix:** Water

**Collected:** 2021/04/15  
**Shipped:**  
**Received:** 2021/04/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Organic Carbon (TOC)	TOCV/NDIR	7307793	N/A	2021/04/21	Nimarta Singh



### GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	1.0°C
Package 2	0.3°C
Package 3	1.3°C

VOC Water Analysis: Due to foaming, samples required dilution. The detection limits were adjusted accordingly.

Anions Analysis: Due to the sample matrix, sample required dilution. Detection limits were adjusted accordingly.

ABN analysis: Due to the nature of the sample matrix, a smaller than usual portion of the sample was used for extraction. Detection limits were adjusted accordingly. Detection limits were raised for 2,4-dinitrophenol, 4-nitrophenol and Pentachlorophenol due to matrix interference.

Sample PIO627 [P10-1] : Metal Analysis:Due to the sample matrix, sample required dilution. Detection limit was adjusted accordingly.

Sample PIO628 [P10-11] : Metal Analysis:Due to the sample matrix, sample required dilution. Detection limit was adjusted accordingly.

Sample PIO629 [P10-111] : Nitrite/Nitrate: Due to colour interferences, sample required dilution. Detection limit was adjusted accordingly.

Metal Analysis:Due to the sample matrix, sample required dilution. Detection limit was adjusted accordingly.

OC Pesticide Analysis: Due to the nature of the sample matrix, a smaller portion of the sample was extracted. DLs were adjusted accordingly.

Sample PIO630 [P10-1V] : Metal Analysis:Due to the sample matrix, sample required dilution. Detection limit was adjusted accordingly.

Sample PIO631 [4-11] : Nitrite/Nitrate: Due to colour interferences, sample required dilution. Detection limit was adjusted accordingly.

Metal Analysis:Due to the sample matrix, sample required dilution. Detection limit was adjusted accordingly.

**Results relate only to the items tested.**



BUREAU  
VERITAS

BV Labs Job #: C1A1879  
Report Date: 2021/04/28

### QUALITY ASSURANCE REPORT

Terrapure Environmental  
Client Project #: GW

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7304564	4-Bromofluorobenzene	2021/04/19	102	70 - 130	104	70 - 130	101	%				
7304564	D4-1,2-Dichloroethane	2021/04/19	87	70 - 130	89	70 - 130	89	%				
7304564	D8-Toluene	2021/04/19	99	70 - 130	100	70 - 130	98	%				
7316307	2,4,5,6-Tetrachloro-m-xylene	2021/04/24	77	50 - 130	74	50 - 130	64	%				
7316307	Decachlorobiphenyl	2021/04/24	120	50 - 130	111	50 - 130	114	%				
7316347	2,4,6-Tribromophenol	2021/04/26	97	10 - 130	89	10 - 130	53	%				
7316347	2-Fluorobiphenyl	2021/04/26	87	30 - 130	82	30 - 130	76	%				
7316347	2-Fluorophenol	2021/04/26	50	10 - 130	42	10 - 130	24	%				
7316347	D14-Terphenyl	2021/04/26	111	30 - 130	101	30 - 130	101	%				
7316347	D5-Nitrobenzene	2021/04/26	88	30 - 130	99	30 - 130	76	%				
7316347	D5-Phenol	2021/04/26	30	10 - 130	35	10 - 130	25	%				
7304564	1,1,1,2-Tetrachloroethane	2021/04/19	94	70 - 130	96	70 - 130	<0.20	ug/L	NC	30		
7304564	1,1,1-Trichloroethane	2021/04/19	96	70 - 130	95	70 - 130	<0.10	ug/L	NC	30		
7304564	1,1,2,2-Tetrachloroethane	2021/04/19	94	70 - 130	102	70 - 130	<0.20	ug/L	NC	30		
7304564	1,1,2-Trichloroethane	2021/04/19	92	70 - 130	96	70 - 130	<0.20	ug/L	NC	30		
7304564	1,1-Dichloroethane	2021/04/19	89	70 - 130	85	70 - 130	<0.10	ug/L	NC	30		
7304564	1,1-Dichloroethylene	2021/04/19	84	70 - 130	81	70 - 130	<0.10	ug/L	NC	30		
7304564	1,2-Dichlorobenzene	2021/04/19	98	70 - 130	98	70 - 130	<0.20	ug/L	NC	30		
7304564	1,2-Dichloroethane	2021/04/19	81	70 - 130	83	70 - 130	<0.20	ug/L	NC	30		
7304564	1,2-Dichloropropane	2021/04/19	95	70 - 130	95	70 - 130	<0.10	ug/L	NC	30		
7304564	1,3-Dichlorobenzene	2021/04/19	91	70 - 130	89	70 - 130	<0.20	ug/L	NC	30		
7304564	1,4-Dichlorobenzene	2021/04/19	105	70 - 130	103	70 - 130	<0.20	ug/L	NC	30		
7304564	Acetone (2-Propanone)	2021/04/19	72	60 - 140	75	60 - 140	<10	ug/L	6.7	30		
7304564	Benzene	2021/04/19	92	70 - 130	91	70 - 130	<0.10	ug/L	NC	30		
7304564	Bromodichloromethane	2021/04/19	95	70 - 130	97	70 - 130	<0.10	ug/L	NC	30		
7304564	Bromoform	2021/04/19	94	70 - 130	98	70 - 130	<0.20	ug/L	NC	30		
7304564	Bromomethane	2021/04/19	49 (1)	60 - 140	62	60 - 140	<0.50	ug/L	NC	30		
7304564	Carbon Tetrachloride	2021/04/19	101	70 - 130	97	70 - 130	<0.10	ug/L	NC	30		
7304564	Chlorobenzene	2021/04/19	95	70 - 130	96	70 - 130	<0.10	ug/L	NC	30		
7304564	Chloroethane	2021/04/19	117	70 - 130	79	70 - 130	<0.20	ug/L	NC	30		
7304564	Chloroform	2021/04/19	91	70 - 130	91	70 - 130	<0.10	ug/L	NC	30		



**BUREAU**  
**VERITAS**

BV Labs Job #: C1A1879  
Report Date: 2021/04/28

**QUALITY ASSURANCE REPORT(CONT'D)**

Terrapure Environmental  
Client Project #: GW

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7304564	Chloromethane	2021/04/19	78	60 - 140	85	60 - 140	<0.50	ug/L	NC	30		
7304564	cis-1,2-Dichloroethylene	2021/04/19	99	70 - 130	96	70 - 130	<0.10	ug/L	NC	30		
7304564	cis-1,3-Dichloropropene	2021/04/19	100	70 - 130	98	70 - 130	<0.20	ug/L	NC	30		
7304564	Dibromochloromethane	2021/04/19	93	70 - 130	95	70 - 130	<0.20	ug/L	NC	30		
7304564	Ethylbenzene	2021/04/19	92	70 - 130	90	70 - 130	<0.10	ug/L	NC	30		
7304564	Ethylene Dibromide	2021/04/19	90	70 - 130	90	70 - 130	<0.20	ug/L	NC	30		
7304564	Methyl Ethyl Ketone (2-Butanone)	2021/04/19	82	60 - 140	85	60 - 140	<5.0	ug/L	NC	30		
7304564	Methyl Isobutyl Ketone	2021/04/19	85	70 - 130	87	70 - 130	<5.0	ug/L	NC	30		
7304564	Methyl t-butyl ether (MTBE)	2021/04/19	89	70 - 130	86	70 - 130	<0.20	ug/L	NC	30		
7304564	Methylene Chloride(Dichloromethane)	2021/04/19	97	70 - 130	93	70 - 130	<0.50	ug/L	NC	30		
7304564	o-Xylene	2021/04/19	93	70 - 130	93	70 - 130	<0.10	ug/L	NC	30		
7304564	p+m-Xylene	2021/04/19	99	70 - 130	96	70 - 130	<0.10	ug/L	NC	30		
7304564	Styrene	2021/04/19	108	70 - 130	107	70 - 130	<0.20	ug/L	NC	30		
7304564	Tetrachloroethylene	2021/04/19	95	70 - 130	91	70 - 130	<0.10	ug/L	NC	30		
7304564	Toluene	2021/04/19	95	70 - 130	94	70 - 130	<0.20	ug/L	NC	30		
7304564	Total Trihalomethanes	2021/04/19					<0.20	ug/L	NC	30		
7304564	Total Xylenes	2021/04/19					<0.10	ug/L	NC	30		
7304564	trans-1,2-Dichloroethylene	2021/04/19	99	70 - 130	90	70 - 130	<0.10	ug/L	NC	30		
7304564	trans-1,3-Dichloropropene	2021/04/19	95	70 - 130	97	70 - 130	<0.20	ug/L	NC	30		
7304564	Trichloroethylene	2021/04/19	104	70 - 130	101	70 - 130	<0.10	ug/L	NC	30		
7304564	Trichlorofluoromethane (FREON 11)	2021/04/19	77	70 - 130	82	70 - 130	<0.20	ug/L	NC	30		
7304564	Vinyl Chloride	2021/04/19	86	70 - 130	90	70 - 130	<0.20	ug/L	NC	30		
7305106	Acrolein	2021/04/19	96	60 - 140	113	60 - 140	<10	ug/L	NC	30		
7305106	Acrylonitrile	2021/04/19	102	60 - 140	101	60 - 140	<5.0	ug/L	NC	30		
7305106	Methyl Butyl Ketone (2-Hexanone)	2021/04/19			102	60 - 140	<5.0	ug/L	NC	30		
7305609	Fluoride (F-)	2021/04/19	94	80 - 120	100	80 - 120	<0.10	mg/L	0.47	20		
7305610	pH	2021/04/19			102	98 - 103			0.74	N/A		
7305613	Alkalinity (Total as CaCO3)	2021/04/19			99	85 - 115	<1.0	mg/L	0.093	20		
7305615	Conductivity	2021/04/19			102	85 - 115	1.3, RDL=1.0	umho/cm	0	25		
7305993	Orthophosphate (P)	2021/04/20	105	75 - 125	99	80 - 120	<0.010	mg/L	NC	25		
7306443	Dissolved Aluminum (Al)	2021/04/21	99	80 - 120	99	80 - 120	<4.9	ug/L	NC	20		



BUREAU  
VERITAS

BV Labs Job #: C1A1879  
Report Date: 2021/04/28

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental  
Client Project #: GW

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7306443	Dissolved Antimony (Sb)	2021/04/21	106	80 - 120	101	80 - 120	<0.50	ug/L	NC	20		
7306443	Dissolved Arsenic (As)	2021/04/21	101	80 - 120	97	80 - 120	<1.0	ug/L	NC	20		
7306443	Dissolved Barium (Ba)	2021/04/21	98	80 - 120	99	80 - 120	<2.0	ug/L	8.9	20		
7306443	Dissolved Beryllium (Be)	2021/04/21	100	80 - 120	96	80 - 120	<0.40	ug/L	NC	20		
7306443	Dissolved Bismuth (Bi)	2021/04/21	81	80 - 120	98	80 - 120	<1.0	ug/L	NC	20		
7306443	Dissolved Boron (B)	2021/04/21	NC	80 - 120	91	80 - 120	<10	ug/L	0.57	20		
7306443	Dissolved Cadmium (Cd)	2021/04/21	100	80 - 120	99	80 - 120	<0.090	ug/L	NC	20		
7306443	Dissolved Calcium (Ca)	2021/04/21	NC	80 - 120	98	80 - 120	<200	ug/L	0.85	20		
7306443	Dissolved Chromium (Cr)	2021/04/21	100	80 - 120	98	80 - 120	<5.0	ug/L	NC	20		
7306443	Dissolved Cobalt (Co)	2021/04/21	101	80 - 120	100	80 - 120	<0.50	ug/L	NC	20		
7306443	Dissolved Copper (Cu)	2021/04/21	100	80 - 120	101	80 - 120	<0.90	ug/L	NC	20		
7306443	Dissolved Iron (Fe)	2021/04/21	98	80 - 120	97	80 - 120	<100	ug/L	NC	20		
7306443	Dissolved Lead (Pb)	2021/04/21	96	80 - 120	99	80 - 120	<0.50	ug/L	NC	20		
7306443	Dissolved Lithium (Li)	2021/04/21	NC	80 - 120	102	80 - 120	<5.0	ug/L	3.0	20		
7306443	Dissolved Magnesium (Mg)	2021/04/21	NC	80 - 120	100	80 - 120	<50	ug/L	7.0	20		
7306443	Dissolved Manganese (Mn)	2021/04/21	99	80 - 120	98	80 - 120	<2.0	ug/L	3.5	20		
7306443	Dissolved Molybdenum (Mo)	2021/04/21	105	80 - 120	100	80 - 120	<0.50	ug/L	5.9	20		
7306443	Dissolved Nickel (Ni)	2021/04/21	96	80 - 120	96	80 - 120	<1.0	ug/L	0.44	20		
7306443	Dissolved Phosphorus (P)	2021/04/21	109	80 - 120	110	80 - 120	<100	ug/L	NC	20		
7306443	Dissolved Potassium (K)	2021/04/21	NC	80 - 120	101	80 - 120	<200	ug/L	7.6	20		
7306443	Dissolved Selenium (Se)	2021/04/21	99	80 - 120	95	80 - 120	<2.0	ug/L	NC	20		
7306443	Dissolved Silicon (Si)	2021/04/21	101	80 - 120	101	80 - 120	<50	ug/L	1.8	20		
7306443	Dissolved Silver (Ag)	2021/04/21	79 (2)	80 - 120	84	80 - 120	<0.090	ug/L	NC	20		
7306443	Dissolved Sodium (Na)	2021/04/21	NC	80 - 120	101	80 - 120	<100	ug/L	7.0	20		
7306443	Dissolved Strontium (Sr)	2021/04/21	NC	80 - 120	95	80 - 120	<1.0	ug/L	5.4	20		
7306443	Dissolved Tellurium (Te)	2021/04/21	84	80 - 120	97	80 - 120	<1.0	ug/L	NC	20		
7306443	Dissolved Thallium (Tl)	2021/04/21	97	80 - 120	98	80 - 120	<0.050	ug/L	NC	20		
7306443	Dissolved Tin (Sn)	2021/04/21	107	80 - 120	102	80 - 120	<1.0	ug/L	NC	20		
7306443	Dissolved Titanium (Ti)	2021/04/21	96	80 - 120	92	80 - 120	<5.0	ug/L	NC	20		
7306443	Dissolved Tungsten (W)	2021/04/21	102	80 - 120	99	80 - 120	<1.0	ug/L	0.057	20		
7306443	Dissolved Uranium (U)	2021/04/21	100	80 - 120	98	80 - 120	<0.10	ug/L	NC	20		



BUREAU  
VERITAS

BV Labs Job #: C1A1879  
Report Date: 2021/04/28

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental  
Client Project #: GW

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7306443	Dissolved Vanadium (V)	2021/04/21	102	80 - 120	98	80 - 120	<0.50	ug/L	NC	20		
7306443	Dissolved Zinc (Zn)	2021/04/21	95	80 - 120	97	80 - 120	<5.0	ug/L	NC	20		
7306443	Dissolved Zirconium (Zr)	2021/04/21	108	80 - 120	102	80 - 120	<1.0	ug/L	NC	20		
7306511	Nitrate (N)	2021/04/21	100	80 - 120	99	80 - 120	<0.10	mg/L	NC	20		
7306511	Nitrite (N)	2021/04/21	101	80 - 120	104	80 - 120	<0.010	mg/L				
7306676	Orthophosphate (P)	2021/04/20	107	75 - 125	100	80 - 120	<0.010	mg/L	NC	25		
7306764	Fluoride (F-)	2021/04/20	93	80 - 120	99	80 - 120	<0.10	mg/L	9.9	20		
7306770	Alkalinity (Total as CaCO3)	2021/04/20			95	85 - 115	<1.0	mg/L	2.7	20		
7306785	Conductivity	2021/04/20			99	85 - 115	<1.0	umho/cm	0.48	25		
7306790	pH	2021/04/20			102	98 - 103			0.20	N/A		
7307354	Phenols-4AAP	2021/04/22	102	80 - 120	100	80 - 120	<0.0010	mg/L	NC	20		
7307793	Total Organic Carbon (TOC)	2021/04/21	94	80 - 120	97	80 - 120	<0.40	mg/L	0.82	20		
7307811	Total Ammonia-N	2021/04/21	100	75 - 125	100	80 - 120	<0.050	mg/L	2.3	20		
7307832	Total Kjeldahl Nitrogen (TKN)	2021/04/21	92	80 - 120	95	80 - 120	<0.10	mg/L	1.5	20	99	80 - 120
7308246	Total Dissolved Solids	2021/04/21					<10	mg/L	1.6	25	97	90 - 110
7308306	Nitrate (N)	2021/04/21	98	80 - 120	94	80 - 120	<0.10	mg/L	NC	20		
7308306	Nitrite (N)	2021/04/21	104	80 - 120	98	80 - 120	<0.010	mg/L	NC	20		
7308934	Dissolved Bromide (Br-)	2021/04/21	104	80 - 120	111	80 - 120	<1.0	mg/L	NC	20		
7308934	Dissolved Chloride (Cl-)	2021/04/21	NC	80 - 120	98	70 - 130	<1.0	mg/L	1.2	20		
7308934	Dissolved Sulphate (SO4)	2021/04/21	NC	80 - 120	101	80 - 120	<1.0	mg/L	2.0	20		
7316307	a-Chlordane	2021/04/24	97	50 - 130	102	50 - 130	<0.005	ug/L	NC	30		
7316307	Aldrin	2021/04/24	79	50 - 130	79	50 - 130	<0.005	ug/L	NC	30		
7316307	alpha-BHC	2021/04/24	91	30 - 130	93	30 - 130	<0.005	ug/L	NC	40		
7316307	Aroclor 1242	2021/04/24					<0.05	ug/L	NC	30		
7316307	Aroclor 1248	2021/04/24					<0.05	ug/L	NC	30		
7316307	Aroclor 1254	2021/04/24					<0.05	ug/L	NC	30		
7316307	Aroclor 1260	2021/04/24					<0.05	ug/L	NC	30		
7316307	beta-BHC	2021/04/24	84	30 - 130	86	30 - 130	<0.005	ug/L	NC	40		
7316307	Dieldrin	2021/04/24	113	50 - 130	112	50 - 130	<0.005	ug/L	NC	30		
7316307	Endosulfan I (alpha)	2021/04/24	71	50 - 130	81	50 - 130	<0.005	ug/L	NC	30		
7316307	Endosulfan II (beta)	2021/04/24	87	50 - 130	85	50 - 130	<0.005	ug/L	NC	30		





BUREAU  
VERITAS

BV Labs Job #: C1A1879  
Report Date: 2021/04/28

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental  
Client Project #: GW

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7316307	Endrin aldehyde	2021/04/24	98	30 - 130	94	30 - 130	<0.005	ug/L	NC	40		
7316307	Endrin ketone	2021/04/24	110	30 - 130	106	30 - 130	<0.005	ug/L	NC	40		
7316307	Endrin	2021/04/24	107	50 - 130	102	50 - 130	<0.005	ug/L	NC	30		
7316307	g-Chlordane	2021/04/24	97	50 - 130	94	50 - 130	<0.005	ug/L	NC	30		
7316307	Heptachlor epoxide	2021/04/24	98	50 - 130	99	50 - 130	<0.005	ug/L	NC	30		
7316307	Heptachlor	2021/04/24	89	50 - 130	84	50 - 130	<0.005	ug/L	NC	30		
7316307	Hexachlorobenzene	2021/04/24	83	50 - 130	88	50 - 130	<0.005	ug/L	NC	30		
7316307	Hexachlorobutadiene	2021/04/24	119	50 - 130	86	50 - 130	<0.009	ug/L	NC	30		
7316307	Hexachloroethane	2021/04/24	77	50 - 130	78	50 - 130	<0.01	ug/L	NC	30		
7316307	Lindane	2021/04/24	72	50 - 130	81	50 - 130	<0.003	ug/L	NC	30		
7316307	Methoxychlor	2021/04/24	121	50 - 130	111	50 - 130	<0.01	ug/L	NC	30		
7316307	Mirex	2021/04/24	105	30 - 130	96	30 - 130	<0.005	ug/L	NC	40		
7316307	o,p-DDD	2021/04/24	103	50 - 130	103	50 - 130	<0.005	ug/L	NC	30		
7316307	o,p-DDE	2021/04/24	108	50 - 130	102	50 - 130	<0.005	ug/L	NC	30		
7316307	o,p-DDT	2021/04/24	106	50 - 130	97	50 - 130	<0.005	ug/L	NC	30		
7316307	p,p-DDD	2021/04/24	99	50 - 130	101	50 - 130	<0.005	ug/L	NC	30		
7316307	p,p-DDE	2021/04/24	80	50 - 130	87	50 - 130	<0.005	ug/L	NC	30		
7316307	p,p-DDT	2021/04/24	117	50 - 130	100	50 - 130	<0.005	ug/L	NC	30		
7316307	Toxaphene	2021/04/24					<0.2	ug/L	NC	40		
7316347	1,2,3,4-Tetrachlorobenzene	2021/04/26	75	30 - 130	69	30 - 130	<0.50	ug/L	NC	40		
7316347	1,2,3,5-Tetrachlorobenzene	2021/04/26	100	30 - 130	76	30 - 130	<0.50	ug/L	NC	40		
7316347	1,2,3-Trichlorobenzene	2021/04/26	83	30 - 130	73	30 - 130	<0.50	ug/L	NC	40		
7316347	1,2,4,5-Tetrachlorobenzene	2021/04/26	71	30 - 130	72	30 - 130	<0.50	ug/L	NC	40		
7316347	1,2,4-Trichlorobenzene	2021/04/26	87	30 - 130	76	30 - 130	<0.50	ug/L	NC	40		
7316347	1,2-Dichlorobenzene	2021/04/26	74	30 - 130	72	30 - 130	<0.50	ug/L	NC	40		
7316347	1,3,5-Trichlorobenzene	2021/04/26	84	30 - 130	75	30 - 130	<0.50	ug/L	NC	40		
7316347	1,3-Dichlorobenzene	2021/04/26	73	30 - 130	68	30 - 130	<0.50	ug/L	NC	40		
7316347	1,4-Dichlorobenzene	2021/04/26	72	30 - 130	73	30 - 130	<0.50	ug/L	NC	40		
7316347	1-Chloronaphthalene	2021/04/26	58	30 - 130	68	30 - 130	<1.0	ug/L	NC	40		
7316347	1-Methylnaphthalene	2021/04/26	120	30 - 130	105	30 - 130	<0.20	ug/L	NC	40		
7316347	2,3,4,5-Tetrachlorophenol	2021/04/26	105	10 - 130	88	10 - 130	<0.40	ug/L	NC	40		



BUREAU  
VERITAS

BV Labs Job #: C1A1879  
Report Date: 2021/04/28

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental  
Client Project #: GW

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7316347	2,3,4,6-Tetrachlorophenol	2021/04/26	114	10 - 130	100	10 - 130	<0.50	ug/L	NC	40		
7316347	2,3,4-Trichlorophenol	2021/04/26	95	10 - 130	87	10 - 130	<0.50	ug/L	NC	40		
7316347	2,3,5,6-Tetrachlorophenol	2021/04/26	79	10 - 130	84	10 - 130	<0.50	ug/L	NC	40		
7316347	2,3,5-Trichlorophenol	2021/04/26	96	10 - 130	93	10 - 130	<0.50	ug/L	NC	40		
7316347	2,3,6-Trichlorophenol	2021/04/26	95	10 - 130	87	10 - 130	<0.50	ug/L	NC	40		
7316347	2,3-Dichlorophenol	2021/04/26	104	10 - 130	83	10 - 130	<0.50	ug/L	NC	40		
7316347	2,4,5-Trichlorophenol	2021/04/26	106	10 - 130	97	10 - 130	<0.50	ug/L	NC	40		
7316347	2,4,6-Trichlorophenol	2021/04/26	91	10 - 130	92	10 - 130	<0.50	ug/L	NC	40		
7316347	2,4-Dichlorophenol	2021/04/26	89	10 - 130	82	10 - 130	<0.30	ug/L	NC	40		
7316347	2,4-Dimethylphenol	2021/04/26	30	10 - 130	49	10 - 130	<0.50	ug/L	NC	40		
7316347	2,4-Dinitrophenol	2021/04/26	109	10 - 130	75	10 - 130	<2.0	ug/L	NC	40		
7316347	2,4-Dinitrotoluene	2021/04/26	107	30 - 130	96	30 - 130	<0.50	ug/L	NC	40		
7316347	2,5-Dichlorophenol	2021/04/26	112	10 - 130	86	10 - 130	<0.50	ug/L	NC	40		
7316347	2,6-Dichlorophenol	2021/04/26	96	10 - 130	89	10 - 130	<0.50	ug/L	NC	40		
7316347	2,6-Dinitrotoluene	2021/04/26	103	30 - 130	82	30 - 130	<0.50	ug/L	NC	40		
7316347	2-Chloronaphthalene	2021/04/26	97	30 - 130	81	30 - 130	<0.50	ug/L	NC	40		
7316347	2-Chlorophenol	2021/04/26	92	10 - 130	83	10 - 130	<0.30	ug/L	NC	40		
7316347	2-Methylnaphthalene	2021/04/26	116	30 - 130	99	30 - 130	<0.20	ug/L	NC	40		
7316347	2-Nitrophenol	2021/04/26	126	10 - 130	85	10 - 130	<0.50	ug/L	NC	40		
7316347	3,3'-Dichlorobenzidine	2021/04/26	77	30 - 130	39	30 - 130	<0.50	ug/L	NC	40		
7316347	3,4,5-Trichlorophenol	2021/04/26	93	10 - 130	88	10 - 130	<0.50	ug/L	NC	40		
7316347	3,4-Dichlorophenol	2021/04/26	107	10 - 130	96	10 - 130	<0.50	ug/L	NC	40		
7316347	3,5-Dichlorophenol	2021/04/26	100	10 - 130	109	10 - 130	<0.50	ug/L	NC	40		
7316347	4,6-Dinitro-2-methylphenol	2021/04/26	119	10 - 130	109	10 - 130	<2.0	ug/L	NC	40		
7316347	4-Bromophenyl phenyl ether	2021/04/26	96	30 - 130	88	30 - 130	<0.30	ug/L	NC	40		
7316347	4-Chloro-3-Methylphenol	2021/04/26	107	10 - 130	86	10 - 130	<0.50	ug/L	NC	40		
7316347	4-Chlorophenyl phenyl ether	2021/04/26	100	30 - 130	84	30 - 130	<0.50	ug/L	NC	40		
7316347	4-Nitrophenol	2021/04/26	25	10 - 130	36	10 - 130	<1.4	ug/L	NC	40		
7316347	5-Nitroacenaphthene	2021/04/26	95	30 - 130	77	30 - 130	<1.0	ug/L	NC	40		
7316347	Acenaphthene	2021/04/26	108	30 - 130	109	30 - 130	<0.20	ug/L	NC	40		
7316347	Acenaphthylene	2021/04/26	110	30 - 130	107	30 - 130	<0.20	ug/L	NC	40		



BUREAU  
VERITAS

BV Labs Job #: C1A1879  
Report Date: 2021/04/28

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental  
Client Project #: GW

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7316347	Anthracene	2021/04/26	111	30 - 130	108	30 - 130	<0.20	ug/L	NC	40		
7316347	Benzo(a)anthracene	2021/04/26	127	30 - 130	122	30 - 130	<0.20	ug/L	NC	40		
7316347	Benzo(a)pyrene	2021/04/26	109	30 - 130	107	30 - 130	<0.20	ug/L	NC	40		
7316347	Benzo(b/j)fluoranthene	2021/04/26	121	30 - 130	107	30 - 130	<0.20	ug/L	NC	40		
7316347	Benzo(g,h,i)perylene	2021/04/26	123	30 - 130	107	30 - 130	<0.20	ug/L	NC	40		
7316347	Benzo(k)fluoranthene	2021/04/26	128	30 - 130	129	30 - 130	<0.20	ug/L	NC	40		
7316347	Benzyl butyl phthalate	2021/04/26	106	30 - 130	59	30 - 130	<0.50	ug/L	NC	40		
7316347	Biphenyl	2021/04/26	86	30 - 130	83	30 - 130	<0.50	ug/L	NC	40		
7316347	Bis(2-chloroethoxy)methane	2021/04/26	74	30 - 130	78	30 - 130	<0.50	ug/L	NC	40		
7316347	Bis(2-chloroethyl)ether	2021/04/26	82	30 - 130	84	30 - 130	<0.50	ug/L	NC	40		
7316347	Bis(2-chloroisopropyl)ether	2021/04/26	76	30 - 130	73	30 - 130	<0.50	ug/L	NC	40		
7316347	Bis(2-ethylhexyl)phthalate	2021/04/26	103	30 - 130	58	30 - 130	<2.0	ug/L	NC	40		
7316347	Chrysene	2021/04/26	130	30 - 130	114	30 - 130	<0.20	ug/L	NC	40		
7316347	Dibenzo(a,h)anthracene	2021/04/26	124	30 - 130	107	30 - 130	<0.20	ug/L	NC	40		
7316347	Diethyl phthalate	2021/04/26	99	30 - 130	88	30 - 130	<1.0	ug/L	NC	40		
7316347	Dimethyl phthalate	2021/04/26	94	30 - 130	90	30 - 130	<1.0	ug/L	NC	40		
7316347	Di-N-butyl phthalate	2021/04/26	98	30 - 130	91	30 - 130	<2.0	ug/L	NC	40		
7316347	di-n-octyl phthalate	2021/04/26	102	30 - 130	63	30 - 130	<0.80	ug/L	NC	40		
7316347	Diphenyl Ether	2021/04/26	79	30 - 130	70	30 - 130	<0.30	ug/L	NC	40		
7316347	Fluoranthene	2021/04/26	134 (2)	30 - 130	122	30 - 130	<0.20	ug/L	NC	40		
7316347	Fluorene	2021/04/26	125	30 - 130	110	30 - 130	<0.20	ug/L	NC	40		
7316347	Hexachlorobenzene	2021/04/26	92	30 - 130	89	30 - 130	<0.50	ug/L	NC	40		
7316347	Hexachlorobutadiene	2021/04/26	74	30 - 130	63	30 - 130	<0.40	ug/L	NC	40		
7316347	Hexachlorocyclopentadiene	2021/04/26	66	30 - 130	79	30 - 130	<2.0	ug/L	NC	40		
7316347	Hexachloroethane	2021/04/26	64	30 - 130	65	30 - 130	<0.50	ug/L	NC	40		
7316347	Indeno(1,2,3-cd)pyrene	2021/04/26	127	30 - 130	100	30 - 130	<0.20	ug/L	NC	40		
7316347	Isophorone	2021/04/26	99	30 - 130	101	30 - 130	<0.50	ug/L	NC	40		
7316347	m/p-Cresol	2021/04/26	67	10 - 130	69	10 - 130	<0.50	ug/L	NC	40		
7316347	Naphthalene	2021/04/26	94	30 - 130	92	30 - 130	<0.20	ug/L	NC	40		
7316347	Nitrobenzene	2021/04/26	104	30 - 130	88	30 - 130	<0.50	ug/L	NC	40		
7316347	Nitrosodiphenylamine/Diphenylamine	2021/04/26	118	30 - 130	111	30 - 130	<1.0	ug/L	NC	40		



BUREAU  
VERITAS

BV Labs Job #: C1A1879  
Report Date: 2021/04/28

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental  
Client Project #: GW

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7316347	N-Nitroso-di-n-propylamine	2021/04/26	81	30 - 130	96	30 - 130	<0.50	ug/L	NC	40		
7316347	o-Cresol	2021/04/26	64	10 - 130	71	10 - 130	<0.50	ug/L	NC	40		
7316347	p-Chloroaniline	2021/04/26	75	30 - 130	77	30 - 130	<1.0	ug/L	NC	40		
7316347	Pentachlorobenzene	2021/04/26	85	30 - 130	77	30 - 130	<0.50	ug/L	NC	40		
7316347	Pentachlorophenol	2021/04/26	63	10 - 130	67	10 - 130	<1.0	ug/L	NC	40		
7316347	Perylene	2021/04/26	97	30 - 130	98	30 - 130	<0.20	ug/L	NC	40		
7316347	Phenanthrene	2021/04/26	124	30 - 130	118	30 - 130	<0.20	ug/L	NC	40		
7316347	Phenol	2021/04/26	35	10 - 130	37	10 - 130	<0.50	ug/L	NC	40		
7316347	Pyrene	2021/04/26	129	30 - 130	129	30 - 130	<0.20	ug/L	NC	40		

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

(1) The recovery was below the lower control limit. This may represent a low bias in some results for this specific analyte.

(2) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.



BUREAU  
VERITAS

BV Labs Job #: C1A1879  
Report Date: 2021/04/28

Terrapure Environmental  
Client Project #: GW

### VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

A handwritten signature in black ink, appearing to read "A. Hamanov", written over a horizontal line.

Anastassia Hamanov, Scientific Specialist

---

BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



16-Apr-21 15:55

Jolanta Goralczyk  
C1A1879

**INVOICE TO:**

Company Name: #16786 Terrapure Environmental  
Attention: Accounting  
Address: 65 Green Mountain Rd West  
Stoney Creek ON L8J 1X5  
Tel: (905) 561-0305 Fax: (905) 561-1674  
Email: kbailey@terrapureenv.com

**REPORT TO:**

Company Name: Brad Mullin - GHD Reporting  
Attention: Brad Mullin - GHD Reporting  
Address: \_\_\_\_\_  
Tel: \_\_\_\_\_ Fax: \_\_\_\_\_  
Email: bmullin@terrapureenv.com; dtaylor2@terrapureenv.com

**PROJECT INFORMATION:**

Quotation #: B60569  
P.O. #: \_\_\_\_\_  
Project: GW KSE ENV-617  
Project Name: GW  
Site #: \_\_\_\_\_  
Sampled By: \_\_\_\_\_

**Use Only:**

Bottle Order #: \_\_\_\_\_  
Barcode: 819873  
Project Manager: Jolanta Goralczyk  
Barcode: C#19873-03-01

**MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BV LABS DRINKING WATER CHAIN OF CUSTODY**

**Regulation 153 (2011)**

Table 1  Res/Park  Medium/Fine  
Table 2  Ind/Comm  Coarse  
Table 3  Agri/Other  For RSC  
Table

**Other Regulations**

CCME  Sanitary Sewer Bylaw  
Reg 558  Storm Sewer Bylaw  
MISA  Municipality \_\_\_\_\_  
PW00  Reg 406 Table \_\_\_\_\_  
Other

**Special Instructions**

**ANALYSIS REQUESTED (PLEASE BE SPECIFIC)**

Field Filtered (please circle): Metals / Hg / Cr / V	Let 'A' GW Monitoring	Let 'B' GW Monitoring	Let 'C' GW Monitoring	Let 'D' GW Monitoring	Let 'E' GW Monitoring	Let 'F' GW Monitoring	Let 'G' GW Monitoring	Let 'H' GW Monitoring	Let 'I' GW Monitoring	Let 'J' GW Monitoring	Let 'K' GW Monitoring	Let 'L' GW Monitoring	Let 'M' GW Monitoring	Let 'N' GW Monitoring	Let 'O' GW Monitoring	Let 'P' GW Monitoring	Let 'Q' GW Monitoring	Let 'R' GW Monitoring	Let 'S' GW Monitoring	Let 'T' GW Monitoring	Let 'U' GW Monitoring	Let 'V' GW Monitoring	Let 'W' GW Monitoring	Let 'X' GW Monitoring	Let 'Y' GW Monitoring	Let 'Z' GW Monitoring
Y	✓	✓																								
Y	✓	✓																								
Y	✓	✓																								
Y	✓	✓																								
Y	✓	✓																								
Y	✓	✓																								

**T turnaround Time (TAT) Required:**

Please provide advance notice for rush projects

**Regular (Standard) TAT:**  
(will be applied if Rush TAT is not specified)  
Standard TAT = 5-7 Working days for most tests.

Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.

**Job Specific Rush TAT (if applies to entire submission)**

Date Required: \_\_\_\_\_ Time Required: \_\_\_\_\_  
Rush Confirmation Number: \_\_\_\_\_ (call lab for #)

Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle): Metals / Hg / Cr / V	Let 'A' GW Monitoring	Let 'B' GW Monitoring	Let 'C' GW Monitoring	Let 'D' GW Monitoring	Let 'E' GW Monitoring	Let 'F' GW Monitoring	Let 'G' GW Monitoring	Let 'H' GW Monitoring	Let 'I' GW Monitoring	Let 'J' GW Monitoring	Let 'K' GW Monitoring	Let 'L' GW Monitoring	Let 'M' GW Monitoring	Let 'N' GW Monitoring	Let 'O' GW Monitoring	Let 'P' GW Monitoring	Let 'Q' GW Monitoring	Let 'R' GW Monitoring	Let 'S' GW Monitoring	Let 'T' GW Monitoring	Let 'U' GW Monitoring	Let 'V' GW Monitoring	Let 'W' GW Monitoring	Let 'X' GW Monitoring	Let 'Y' GW Monitoring	Let 'Z' GW Monitoring	
1	P10-I	21/04/16	PM	GW	Y	✓	✓																									
2	P10-II	↓	↓	GW	Y	✓	✓																									
3	P10-III	↓	↓	GW	Y	✓	✓																									
4	P10-IV	↓	↓	GW	Y	✓	✓																									
5	4-II	↓	↓	GW	Y	✓	✓																									
6																																
7																																
8																																
9																																
10																																

# of Bottles	Comments
15	
15	
15	
15	
6	

**\* RELINQUISHED BY: (Signature/Print)** \_\_\_\_\_ **Date: (YY/MM/DD)** 21/04/16 **Time** AM

**RECEIVED BY: (Signature/Print)** John \_\_\_\_\_ **Date: (YY/MM/DD)** 20/04/16 **Time** 15:55

**# jars used and not submitted** \_\_\_\_\_

**Laboratory Use Only**

Time Sensitive \_\_\_\_\_ Temperature (°C) on Rece: 10.2 01012

Custody Seal Present Intact Yes No

\* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BV LABS' STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVLABS.COM/TERMS-AND-CONDITIONS.

\* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.

\*\* SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVLABS.COM/RESOURCES/CHAIN-OF-CUSTODY-FORMS.

SAMPLES MUST BE KEPT COOL (< 10° C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS

White: BV Labs Yellow: Client

1, 0, 3



Your Project #: GW  
Your C.O.C. #: 819873-04-01

**Attention: Brad Mullin - GHD Reporting**

Terrapure Environmental  
65 Green Mountain Rd West  
Stoney Creek, ON  
CANADA L8J 1X5

**Report Date: 2021/04/28**  
Report #: R6612535  
Version: 1 - Final

**CERTIFICATE OF ANALYSIS**

**BV LABS JOB #: C1A3176**

**Received: 2021/04/19, 15:25**

Sample Matrix: Water  
# Samples Received: 6

Analyses	Quantity	Date	Date	Laboratory Method	Analytical Method
		Extracted	Analyzed		
ABN Compounds in Water by GC/MS	5	2021/04/23	2021/04/26	CAM SOP-00301	EPA 8270 m
Alkalinity	6	N/A	2021/04/21	CAM SOP-00448	SM 23 2320 B m
Anions	6	N/A	2021/04/21	CAM SOP-00435	SM 23 4110 B m
Conductivity	6	N/A	2021/04/21	CAM SOP-00414	SM 23 2510 m
Fluoride	6	2021/04/20	2021/04/21	CAM SOP-00449	SM 23 4500-F C m
Hardness (calculated as CaCO3)	6	N/A	2021/04/21	CAM SOP 00102/00408/00447	SM 2340 B
Dissolved Metals by ICPMS	6	N/A	2021/04/21	CAM SOP-00447	EPA 6020B m
Total Ammonia-N	6	N/A	2021/04/23	CAM SOP-00441	USGS I-2522-90 m
Nitrate (NO3) and Nitrite (NO2) in Water (1)	6	N/A	2021/04/21	CAM SOP-00440	SM 23 4500-NO3I/NO2B
OC Pesticides (Selected) & PCB (2)	4	2021/04/23	2021/04/24	CAM SOP-00307	EPA 8081A/8082B m
OC Pesticides (Selected) & PCB (2)	1	2021/04/23	2021/04/25	CAM SOP-00307	EPA 8081A/8082B m
OC Pesticides Summed Parameters	5	N/A	2021/04/21	CAM SOP-00307	EPA 8081A/8082B m
pH	6	2021/04/20	2021/04/21	CAM SOP-00413	SM 4500H+ B m
Phenols (4AAP)	1	N/A	2021/04/23	CAM SOP-00444	OMOE E3179 m
Phenols (4AAP)	5	N/A	2021/04/24	CAM SOP-00444	OMOE E3179 m
Orthophosphate	6	N/A	2021/04/21	CAM SOP-00461	EPA 365.1 m
Total Dissolved Solids	6	2021/04/21	2021/04/22	CAM SOP-00428	SM 23 2540C m
Total Kjeldahl Nitrogen in Water	6	2021/04/21	2021/04/22	CAM SOP-00938	OMOE E3516 m
Total Organic Carbon (TOC) (3)	6	N/A	2021/04/22	CAM SOP-00446	SM 23 5310B m
Volatile Organic Compounds in Water	5	N/A	2021/04/20	CAM SOP-00226	EPA 8260C m
Non-Routine Volatile Organic Compounds	5	N/A	2021/04/20	CAM SOP-00226	EPA 8260 m

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

\* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) Values for calculated parameters may not appear to add up due to rounding of raw data and significant figures.

(2) Chlordane ( Total) = Alpha Chlordane + Gamma Chlordane

(3) Total Organic Carbon (TOC) present in the sample should be considered as non-purgeable TOC.



Your Project #: GW  
Your C.O.C. #: 819873-04-01

**Attention: Brad Mullin - GHD Reporting**

Terrapure Environmental  
65 Green Mountain Rd West  
Stoney Creek, ON  
CANADA L8J 1X5

**Report Date: 2021/04/28**  
Report #: R6612535  
Version: 1 - Final

**CERTIFICATE OF ANALYSIS**

**BV LABS JOB #: C1A3176**

**Received: 2021/04/19, 15:25**

Encryption Key



**AUTHORIZED REPORT  
RAPPORT AUTORISÉ**

Bureau Veritas

28 Apr 2021 11:03:08

Please direct all questions regarding this Certificate of Analysis to your Project Manager.  
Jolanta Goralczyk, Project Manager  
Email: Jolanta.Goralczyk@bureauveritas.com  
Phone# (905)817-5751

=====

This report has been generated and distributed using a secure automated process.

BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.





BUREAU  
VERITAS

BV Labs Job #: C1A3176  
Report Date: 2021/04/28

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PIW786			PIW787			PIW787		
Sampling Date		2021/04/16			2021/04/16			2021/04/16		
COC Number		819873-04-01			819873-04-01			819873-04-01		
	UNITS	35-IV	RDL	QC Batch	35-V	RDL	QC Batch	35-V Lab-Dup	RDL	QC Batch

Calculated Parameters										
Hardness (CaCO3)	mg/L	2100	1.0	7305603	490	1.0	7305603			
Inorganics										
Total Ammonia-N	mg/L	93	0.50	7311347	<0.050	0.050	7311347			
Conductivity	umho/cm	16000	1.0	7308499	1000	1.0	7308499	1000	1.0	7308499
Total Dissolved Solids	mg/L	9550	20	7310761	565	10	7310761			
Fluoride (F-)	mg/L	3.8	0.10	7308488	0.70	0.10	7308488	0.67	0.10	7308488
Total Kjeldahl Nitrogen (TKN)	mg/L	95	5.0	7310741	0.19	0.10	7310741			
Total Organic Carbon (TOC)	mg/L	24	0.40	7310709	3.1	0.40	7310709			
Orthophosphate (P)	mg/L	0.017	0.010	7308466	<0.010	0.010	7308466			
pH	pH	8.82		7308506	7.59		7308506	7.56		7308506
Phenols-4AAP	mg/L	0.56	0.020	7310225	<0.0010	0.0010	7310225			
Alkalinity (Total as CaCO3)	mg/L	120	1.0	7308496	400	1.0	7308496	410	1.0	7308496
Nitrite (N)	mg/L	<0.010	0.010	7308306	<0.010	0.010	7308311			
Dissolved Chloride (Cl-)	mg/L	4000	50	7308934	13	1.0	7308934			
Nitrate (N)	mg/L	<0.10	0.10	7308306	0.79	0.10	7308311			
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	7308306	0.79	0.10	7308311			
Dissolved Bromide (Br-)	mg/L	<50	50	7308934	<1.0	1.0	7308934			
Dissolved Sulphate (SO4)	mg/L	2200	50	7308934	140	1.0	7308934			

RDL = Reportable Detection Limit  
 QC Batch = Quality Control Batch  
 Lab-Dup = Laboratory Initiated Duplicate



BUREAU  
VERITAS

BV Labs Job #: C1A3176  
Report Date: 2021/04/28

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PIW788			PIW789			PIW789		
Sampling Date		2021/04/16			2021/04/16			2021/04/16		
COC Number		819873-04-01			819873-04-01			819873-04-01		
	UNITS	35-VI	RDL	QC Batch	35-VII	RDL	QC Batch	35-VII Lab-Dup	RDL	QC Batch

Calculated Parameters										
Hardness (CaCO3)	mg/L	2300	1.0	7305603	670	1.0	7305603			
Inorganics										
Total Ammonia-N	mg/L	22	0.050	7311347	<0.050	0.050	7311347			
Conductivity	umho/cm	11000	1.0	7308499	1300	1.0	7308499			
Total Dissolved Solids	mg/L	6910	20	7310761	860	10	7310761	865	10	7310761
Fluoride (F-)	mg/L	1.1	0.10	7308488	0.47	0.10	7308488			
Total Kjeldahl Nitrogen (TKN)	mg/L	23	2.0	7310741	0.22	0.10	7310741			
Total Organic Carbon (TOC)	mg/L	13	0.40	7310709	3.2	0.40	7310709			
Orthophosphate (P)	mg/L	<0.010	0.010	7308466	0.028	0.010	7308466			
pH	pH	8.20		7308506	7.71		7308506			
Phenols-4AAP	mg/L	0.0038	0.0020	7310225	<0.0010	0.0010	7310225			
Alkalinity (Total as CaCO3)	mg/L	120	1.0	7308496	330	1.0	7308496			
Nitrite (N)	mg/L	<0.010	0.010	7308306	<0.010	0.010	7308311			
Dissolved Chloride (Cl-)	mg/L	2500	20	7308934	22	5.0	7308934			
Nitrate (N)	mg/L	<0.10	0.10	7308306	0.16	0.10	7308311			
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	7308306	0.16	0.10	7308311			
Dissolved Bromide (Br-)	mg/L	<20	20	7308934	<5.0	5.0	7308934			
Dissolved Sulphate (SO4)	mg/L	1600	20	7308934	400	5.0	7308934			

RDL = Reportable Detection Limit  
 QC Batch = Quality Control Batch  
 Lab-Dup = Laboratory Initiated Duplicate



BUREAU  
VERITAS

BV Labs Job #: C1A3176  
Report Date: 2021/04/28

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

**RESULTS OF ANALYSES OF WATER**

<b>BV Labs ID</b>		PIW790			PIW790			PIW791		
<b>Sampling Date</b>		2021/04/16			2021/04/16			2021/04/16		
<b>COC Number</b>		819873-04-01			819873-04-01			819873-04-01		
	<b>UNITS</b>	<b>35-III</b>	<b>RDL</b>	<b>QC Batch</b>	<b>35-III Lab-Dup</b>	<b>RDL</b>	<b>QC Batch</b>	<b>2-II</b>	<b>RDL</b>	<b>QC Batch</b>

<b>Calculated Parameters</b>										
Hardness (CaCO3)	mg/L	1900	1.0	7305603				1900	1.0	7305603
<b>Inorganics</b>										
Total Ammonia-N	mg/L	2.3	0.050	7311347				2.4	0.050	7311347
Conductivity	umho/cm	3600	1.0	7308499				3600	1.0	7308499
Total Dissolved Solids	mg/L	2950	10	7310761				2810	10	7310761
Fluoride (F-)	mg/L	0.34	0.10	7308488				0.30	0.10	7308488
Total Kjeldahl Nitrogen (TKN)	mg/L	2.7	0.10	7310741				2.8	0.10	7310741
Total Organic Carbon (TOC)	mg/L	5.7	0.40	7310709				5.9	0.40	7310709
Orthophosphate (P)	mg/L	0.030	0.010	7308466				0.044	0.010	7308466
pH	pH	7.60		7308506				7.60		7308506
Phenols-4AAP	mg/L	<0.0010	0.0010	7310225				<0.0010	0.0010	7310225
Alkalinity (Total as CaCO3)	mg/L	220	1.0	7308496				220	1.0	7308496
Nitrite (N)	mg/L	<0.010	0.010	7308311	<0.010	0.010	7308311	<0.010	0.010	7308311
Dissolved Chloride (Cl-)	mg/L	530	10	7308934				510	10	7308934
Nitrate (N)	mg/L	<0.10	0.10	7308311	<0.10	0.10	7308311	<0.10	0.10	7308311
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	7308311	<0.10	0.10	7308311	<0.10	0.10	7308311
Dissolved Bromide (Br-)	mg/L	<10	10	7308934				<10	10	7308934
Dissolved Sulphate (SO4)	mg/L	1200	10	7308934				1200	10	7308934

RDL = Reportable Detection Limit  
QC Batch = Quality Control Batch  
Lab-Dup = Laboratory Initiated Duplicate

<b>BV Labs ID</b>		PIW791		
<b>Sampling Date</b>		2021/04/16		
<b>COC Number</b>		819873-04-01		
	<b>UNITS</b>	<b>2-II Lab-Dup</b>	<b>RDL</b>	<b>QC Batch</b>
<b>Inorganics</b>				
Orthophosphate (P)	mg/L	0.039	0.010	7308466
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate				



BUREAU  
VERITAS

BV Labs Job #: C1A3176  
Report Date: 2021/04/28

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

BV Labs ID		PIW786		PIW787		PIW788		PIW789		
Sampling Date		2021/04/16		2021/04/16		2021/04/16		2021/04/16		
COC Number		819873-04-01		819873-04-01		819873-04-01		819873-04-01		
	UNITS	35-IV	RDL	35-V	RDL	35-VI	RDL	35-VII	RDL	QC Batch
<b>Metals</b>										
Dissolved Aluminum (Al)	ug/L	<25	25	<4.9	4.9	<25	25	<4.9	4.9	7308673
Dissolved Antimony (Sb)	ug/L	<2.5	2.5	<0.50	0.50	<2.5	2.5	<0.50	0.50	7308673
Dissolved Arsenic (As)	ug/L	6.2	5.0	<1.0	1.0	14	5.0	<1.0	1.0	7308673
Dissolved Barium (Ba)	ug/L	15	10	27	2.0	34	10	35	2.0	7308673
Dissolved Beryllium (Be)	ug/L	<2.0	2.0	<0.40	0.40	<2.0	2.0	<0.40	0.40	7308673
Dissolved Bismuth (Bi)	ug/L	<5.0	5.0	<1.0	1.0	<5.0	5.0	<1.0	1.0	7308673
Dissolved Boron (B)	ug/L	1700	50	61	10	530	50	210	10	7308673
Dissolved Cadmium (Cd)	ug/L	<0.45	0.45	0.19	0.090	<0.45	0.45	<0.090	0.090	7308673
Dissolved Calcium (Ca)	ug/L	780000	1000	130000	200	790000	1000	220000	200	7308673
Dissolved Chromium (Cr)	ug/L	<25	25	<5.0	5.0	<25	25	<5.0	5.0	7308673
Dissolved Cobalt (Co)	ug/L	<2.5	2.5	<0.50	0.50	<2.5	2.5	<0.50	0.50	7308673
Dissolved Copper (Cu)	ug/L	<4.5	4.5	3.1	0.90	<4.5	4.5	1.0	0.90	7308673
Dissolved Iron (Fe)	ug/L	<500	500	<100	100	<500	500	<100	100	7308673
Dissolved Lead (Pb)	ug/L	<2.5	2.5	<0.50	0.50	<2.5	2.5	<0.50	0.50	7308673
Dissolved Lithium (Li)	ug/L	350	25	5.8	5.0	120	25	22	5.0	7308673
Dissolved Magnesium (Mg)	ug/L	39000	250	37000	50	78000	250	29000	50	7308673
Dissolved Manganese (Mn)	ug/L	42	10	8.4	2.0	66	10	<2.0	2.0	7308673
Dissolved Molybdenum (Mo)	ug/L	62	2.5	2.7	0.50	<2.5	2.5	1.4	0.50	7308673
Dissolved Nickel (Ni)	ug/L	15	5.0	18	1.0	<5.0	5.0	3.6	1.0	7308673
Dissolved Phosphorus (P)	ug/L	<500	500	<100	100	<500	500	<100	100	7308673
Dissolved Potassium (K)	ug/L	110000	1000	1800	200	63000	1000	4200	200	7308673
Dissolved Selenium (Se)	ug/L	<10	10	<2.0	2.0	<10	10	<2.0	2.0	7308673
Dissolved Silicon (Si)	ug/L	3400	250	4800	50	6300	250	4600	50	7308673
Dissolved Silver (Ag)	ug/L	<0.45	0.45	<0.090	0.090	<0.45	0.45	<0.090	0.090	7308673
Dissolved Sodium (Na)	ug/L	2600000	500	26000	100	1400000	500	30000	100	7308673
Dissolved Strontium (Sr)	ug/L	7500	5.0	660	1.0	8900	5.0	1200	1.0	7308673
Dissolved Tellurium (Te)	ug/L	<5.0	5.0	<1.0	1.0	<5.0	5.0	<1.0	1.0	7308673
Dissolved Thallium (Tl)	ug/L	<0.25	0.25	0.27	0.050	<0.25	0.25	<0.050	0.050	7308673
Dissolved Tin (Sn)	ug/L	<5.0	5.0	<1.0	1.0	<5.0	5.0	<1.0	1.0	7308673
Dissolved Titanium (Ti)	ug/L	<25	25	<5.0	5.0	<25	25	<5.0	5.0	7308673
Dissolved Tungsten (W)	ug/L	12	5.0	<1.0	1.0	<5.0	5.0	<1.0	1.0	7308673
Dissolved Uranium (U)	ug/L	<0.50	0.50	5.4	0.10	<0.50	0.50	3.1	0.10	7308673
Dissolved Vanadium (V)	ug/L	4.8	2.5	<0.50	0.50	<2.5	2.5	<0.50	0.50	7308673
Dissolved Zinc (Zn)	ug/L	<25	25	670	5.0	<25	25	64	5.0	7308673
Dissolved Zirconium (Zr)	ug/L	<5.0	5.0	<1.0	1.0	<5.0	5.0	<1.0	1.0	7308673
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										



BUREAU  
VERITAS

BV Labs Job #: C1A3176  
Report Date: 2021/04/28

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

BV Labs ID		PIW790	PIW791		
Sampling Date		2021/04/16	2021/04/16		
COC Number		819873-04-01	819873-04-01		
	UNITS	35-III	2-II	RDL	QC Batch
<b>Metals</b>					
Dissolved Aluminum (Al)	ug/L	5.7	20	4.9	7308673
Dissolved Antimony (Sb)	ug/L	<0.50	<0.50	0.50	7308673
Dissolved Arsenic (As)	ug/L	1.1	1.1	1.0	7308673
Dissolved Barium (Ba)	ug/L	87	85	2.0	7308673
Dissolved Beryllium (Be)	ug/L	<0.40	<0.40	0.40	7308673
Dissolved Bismuth (Bi)	ug/L	<1.0	<1.0	1.0	7308673
Dissolved Boron (B)	ug/L	320	320	10	7308673
Dissolved Cadmium (Cd)	ug/L	<0.090	<0.090	0.090	7308673
Dissolved Calcium (Ca)	ug/L	660000	670000	1000	7308673
Dissolved Chromium (Cr)	ug/L	<5.0	<5.0	5.0	7308673
Dissolved Cobalt (Co)	ug/L	<0.50	<0.50	0.50	7308673
Dissolved Copper (Cu)	ug/L	<0.90	<0.90	0.90	7308673
Dissolved Iron (Fe)	ug/L	3600	3800	100	7308673
Dissolved Lead (Pb)	ug/L	<0.50	<0.50	0.50	7308673
Dissolved Lithium (Li)	ug/L	220	210	5.0	7308673
Dissolved Magnesium (Mg)	ug/L	55000	56000	50	7308673
Dissolved Manganese (Mn)	ug/L	160	170	2.0	7308673
Dissolved Molybdenum (Mo)	ug/L	<0.50	<0.50	0.50	7308673
Dissolved Nickel (Ni)	ug/L	2.6	<1.0	1.0	7308673
Dissolved Phosphorus (P)	ug/L	470	480	100	7308673
Dissolved Potassium (K)	ug/L	16000	16000	200	7308673
Dissolved Selenium (Se)	ug/L	<2.0	<2.0	2.0	7308673
Dissolved Silicon (Si)	ug/L	5000	5000	50	7308673
Dissolved Silver (Ag)	ug/L	<0.090	<0.090	0.090	7308673
Dissolved Sodium (Na)	ug/L	220000	220000	100	7308673
Dissolved Strontium (Sr)	ug/L	3900	4000	1.0	7308673
Dissolved Tellurium (Te)	ug/L	<1.0	<1.0	1.0	7308673
Dissolved Thallium (Tl)	ug/L	<0.050	<0.050	0.050	7308673
Dissolved Tin (Sn)	ug/L	<1.0	<1.0	1.0	7308673
Dissolved Titanium (Ti)	ug/L	<5.0	<5.0	5.0	7308673
Dissolved Tungsten (W)	ug/L	<1.0	<1.0	1.0	7308673
Dissolved Uranium (U)	ug/L	0.24	0.25	0.10	7308673
Dissolved Vanadium (V)	ug/L	<0.50	<0.50	0.50	7308673
Dissolved Zinc (Zn)	ug/L	14	<5.0	5.0	7308673
Dissolved Zirconium (Zr)	ug/L	<1.0	<1.0	1.0	7308673
RDL = Reportable Detection Limit					
QC Batch = Quality Control Batch					



BUREAU  
VERITAS

BV Labs Job #: C1A3176  
Report Date: 2021/04/28

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

**SEMI-VOLATILE ORGANICS BY GC-MS (WATER)**

BV Labs ID		PIW786	PIW787	PIW788	PIW789	PIW789		
Sampling Date		2021/04/16	2021/04/16	2021/04/16	2021/04/16	2021/04/16		
COC Number		819873-04-01	819873-04-01	819873-04-01	819873-04-01	819873-04-01		
	UNITS	35-IV	35-V	35-VI	35-VII	35-VII Lab-Dup	RDL	QC Batch
<b>Semivolatile Organics</b>								
Acenaphthene	ug/L	<0.80	<0.80	<0.80	<0.80	<0.80	0.80	7316347
Acenaphthylene	ug/L	<0.80	<0.80	<0.80	<0.80	<0.80	0.80	7316347
Anthracene	ug/L	<0.80	<0.80	<0.80	<0.80	<0.80	0.80	7316347
Benzo(a)anthracene	ug/L	<0.80	<0.80	<0.80	<0.80	<0.80	0.80	7316347
Benzo(a)pyrene	ug/L	<0.80	<0.80	<0.80	<0.80	<0.80	0.80	7316347
Benzo(b/j)fluoranthene	ug/L	<0.80	<0.80	<0.80	<0.80	<0.80	0.80	7316347
Benzo(g,h,i)perylene	ug/L	<0.80	<0.80	<0.80	<0.80	<0.80	0.80	7316347
Benzo(k)fluoranthene	ug/L	<0.80	<0.80	<0.80	<0.80	<0.80	0.80	7316347
1-Chloronaphthalene	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	4.0	7316347
2-Chloronaphthalene	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7316347
Chrysene	ug/L	<0.80	<0.80	<0.80	<0.80	<0.80	0.80	7316347
Dibenzo(a,h)anthracene	ug/L	<0.80	<0.80	<0.80	<0.80	<0.80	0.80	7316347
Fluoranthene	ug/L	<0.80	<0.80	<0.80	<0.80	<0.80	0.80	7316347
Fluorene	ug/L	<0.80	<0.80	<0.80	<0.80	<0.80	0.80	7316347
Indeno(1,2,3-cd)pyrene	ug/L	<0.80	<0.80	<0.80	<0.80	<0.80	0.80	7316347
1-Methylnaphthalene	ug/L	1.1	<0.80	<0.80	<0.80	<0.80	0.80	7316347
2-Methylnaphthalene	ug/L	<0.80	<0.80	<0.80	<0.80	<0.80	0.80	7316347
Naphthalene	ug/L	0.92	<0.80	<0.80	<0.80	<0.80	0.80	7316347
5-Nitroacenaphthene	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	4.0	7316347
Perylene	ug/L	<0.80	<0.80	<0.80	<0.80	<0.80	0.80	7316347
Phenanthrene	ug/L	<0.80	<0.80	<0.80	<0.80	<0.80	0.80	7316347
Pyrene	ug/L	<0.80	<0.80	<0.80	<0.80	<0.80	0.80	7316347
1,2-Dichlorobenzene	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7316347
1,3-Dichlorobenzene	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7316347
1,4-Dichlorobenzene	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7316347
Hexachlorobenzene	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7316347
Pentachlorobenzene	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7316347
1,2,3,5-Tetrachlorobenzene	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7316347
1,2,4,5-Tetrachlorobenzene	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7316347
1,2,3-Trichlorobenzene	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7316347
1,2,4-Trichlorobenzene	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7316347
1,3,5-Trichlorobenzene	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7316347
2-Chlorophenol	ug/L	<1.2	<1.2	<1.2	<1.2	<1.2	1.2	7316347
4-Chloro-3-Methylphenol	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7316347
m/p-Cresol	ug/L	29	<2.0	<2.0	<2.0	<2.0	2.0	7316347
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate								



BUREAU  
VERITAS

BV Labs Job #: C1A3176  
Report Date: 2021/04/28

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### SEMI-VOLATILE ORGANICS BY GC-MS (WATER)

BV Labs ID		PIW786	PIW787	PIW788	PIW789	PIW789		
Sampling Date		2021/04/16	2021/04/16	2021/04/16	2021/04/16	2021/04/16		
COC Number		819873-04-01	819873-04-01	819873-04-01	819873-04-01	819873-04-01		
	UNITS	35-IV	35-V	35-VI	35-VII	35-VII Lab-Dup	RDL	QC Batch
o-Cresol	ug/L	8.0	<2.0	<2.0	<2.0	<2.0	2.0	7316347
1,2,3,4-Tetrachlorobenzene	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7316347
2,3-Dichlorophenol	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7316347
2,4-Dichlorophenol	ug/L	<1.2	<1.2	<1.2	<1.2	<1.2	1.2	7316347
2,5-Dichlorophenol	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7316347
2,6-Dichlorophenol	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7316347
3,4-Dichlorophenol	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7316347
3,5-Dichlorophenol	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7316347
2,4-Dimethylphenol	ug/L	10	<2.0	<2.0	<2.0	<2.0	2.0	7316347
2,4-Dinitrophenol	ug/L	<25	<25	<25	<25	<25	25	7316347
4,6-Dinitro-2-methylphenol	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0	8.0	7316347
2-Nitrophenol	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7316347
4-Nitrophenol	ug/L	<25	<25	<25	<25	<25	25	7316347
Pentachlorophenol	ug/L	<25	<25	<25	<25	<25	25	7316347
Phenol	ug/L	150	<2.0	<2.0	<2.0	<2.0	2.0	7316347
2,3,4,5-Tetrachlorophenol	ug/L	<1.6	<1.6	<1.6	<1.6	<1.6	1.6	7316347
2,3,4,6-Tetrachlorophenol	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7316347
2,3,5,6-Tetrachlorophenol	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7316347
2,3,4-Trichlorophenol	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7316347
2,3,5-Trichlorophenol	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7316347
2,3,6-Trichlorophenol	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7316347
2,4,5-Trichlorophenol	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7316347
2,4,6-Trichlorophenol	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7316347
3,4,5-Trichlorophenol	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7316347
Benzyl butyl phthalate	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7316347
Biphenyl	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7316347
Bis(2-chloroethyl)ether	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7316347
Bis(2-chloroethoxy)methane	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7316347
Bis(2-chloroisopropyl)ether	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7316347
Bis(2-ethylhexyl)phthalate	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0	8.0	7316347
4-Bromophenyl phenyl ether	ug/L	<1.2	<1.2	<1.2	<1.2	<1.2	1.2	7316347
p-Chloroaniline	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	4.0	7316347
4-Chlorophenyl phenyl ether	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7316347
Di-N-butyl phthalate	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0	8.0	7316347
di-n-octyl phthalate	ug/L	<3.2	<3.2	<3.2	<3.2	<3.2	3.2	7316347
2,4-Dinitrotoluene	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7316347

RDL = Reportable Detection Limit  
 QC Batch = Quality Control Batch  
 Lab-Dup = Laboratory Initiated Duplicate



**SEMI-VOLATILE ORGANICS BY GC-MS (WATER)**

BV Labs ID		PIW786	PIW787	PIW788	PIW789	PIW789		
Sampling Date		2021/04/16	2021/04/16	2021/04/16	2021/04/16	2021/04/16		
COC Number		819873-04-01	819873-04-01	819873-04-01	819873-04-01	819873-04-01		
	UNITS	35-IV	35-V	35-VI	35-VII	35-VII Lab-Dup	RDL	QC Batch
Diethyl phthalate	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	4.0	7316347
3,3'-Dichlorobenzidine	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7316347
Dimethyl phthalate	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	4.0	7316347
2,6-Dinitrotoluene	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7316347
Diphenyl Ether	ug/L	<1.2	<1.2	<1.2	<1.2	<1.2	1.2	7316347
Hexachlorobutadiene	ug/L	<1.6	<1.6	<1.6	<1.6	<1.6	1.6	7316347
Hexachlorocyclopentadiene	ug/L	<8.0	<8.0	<8.0	<8.0	<8.0	8.0	7316347
Hexachloroethane	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7316347
Isophorone	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7316347
Nitrobenzene	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7316347
Nitrosodiphenylamine/Diphenylamine	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	4.0	7316347
N-Nitroso-di-n-propylamine	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7316347
<b>Surrogate Recovery (%)</b>								
2,4,6-Tribromophenol	%	100	66	101	71	78		7316347
2-Fluorobiphenyl	%	69	79	67	73	70		7316347
2-Fluorophenol	%	45	35	41	41	40		7316347
D14-Terphenyl	%	111	106	112	105	116		7316347
D5-Nitrobenzene	%	81	87	74	77	80		7316347
D5-Phenol	%	30	28	28	28	27		7316347
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate								





BUREAU  
VERITAS

BV Labs Job #: C1A3176  
Report Date: 2021/04/28

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### SEMI-VOLATILE ORGANICS BY GC-MS (WATER)

BV Labs ID		PIW790		
Sampling Date		2021/04/16		
COC Number		819873-04-01		
	UNITS	35-III	RDL	QC Batch
<b>Semivolatile Organics</b>				
Acenaphthene	ug/L	<0.80	0.80	7316347
Acenaphthylene	ug/L	<0.80	0.80	7316347
Anthracene	ug/L	<0.80	0.80	7316347
Benzo(a)anthracene	ug/L	<0.80	0.80	7316347
Benzo(a)pyrene	ug/L	<0.80	0.80	7316347
Benzo(b/j)fluoranthene	ug/L	<0.80	0.80	7316347
Benzo(g,h,i)perylene	ug/L	<0.80	0.80	7316347
Benzo(k)fluoranthene	ug/L	<0.80	0.80	7316347
1-Chloronaphthalene	ug/L	<4.0	4.0	7316347
2-Chloronaphthalene	ug/L	<2.0	2.0	7316347
Chrysene	ug/L	<0.80	0.80	7316347
Dibenzo(a,h)anthracene	ug/L	<0.80	0.80	7316347
Fluoranthene	ug/L	<0.80	0.80	7316347
Fluorene	ug/L	<0.80	0.80	7316347
Indeno(1,2,3-cd)pyrene	ug/L	<0.80	0.80	7316347
1-Methylnaphthalene	ug/L	<0.80	0.80	7316347
2-Methylnaphthalene	ug/L	<0.80	0.80	7316347
Naphthalene	ug/L	<0.80	0.80	7316347
5-Nitroacenaphthene	ug/L	<4.0	4.0	7316347
Perylene	ug/L	<0.80	0.80	7316347
Phenanthrene	ug/L	<0.80	0.80	7316347
Pyrene	ug/L	<0.80	0.80	7316347
1,2-Dichlorobenzene	ug/L	<2.0	2.0	7316347
1,3-Dichlorobenzene	ug/L	<2.0	2.0	7316347
1,4-Dichlorobenzene	ug/L	<2.0	2.0	7316347
Hexachlorobenzene	ug/L	<2.0	2.0	7316347
Pentachlorobenzene	ug/L	<2.0	2.0	7316347
1,2,3,5-Tetrachlorobenzene	ug/L	<2.0	2.0	7316347
1,2,4,5-Tetrachlorobenzene	ug/L	<2.0	2.0	7316347
1,2,3-Trichlorobenzene	ug/L	<2.0	2.0	7316347
1,2,4-Trichlorobenzene	ug/L	<2.0	2.0	7316347
1,3,5-Trichlorobenzene	ug/L	<2.0	2.0	7316347
2-Chlorophenol	ug/L	<1.2	1.2	7316347
4-Chloro-3-Methylphenol	ug/L	<2.0	2.0	7316347
m/p-Cresol	ug/L	<2.0	2.0	7316347
o-Cresol	ug/L	<2.0	2.0	7316347
RDL = Reportable Detection Limit QC Batch = Quality Control Batch				



BUREAU  
VERITAS

BV Labs Job #: C1A3176  
Report Date: 2021/04/28

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### SEMI-VOLATILE ORGANICS BY GC-MS (WATER)

BV Labs ID		PIW790		
Sampling Date		2021/04/16		
COC Number		819873-04-01		
	UNITS	35-III	RDL	QC Batch
1,2,3,4-Tetrachlorobenzene	ug/L	<2.0	2.0	7316347
2,3-Dichlorophenol	ug/L	<2.0	2.0	7316347
2,4-Dichlorophenol	ug/L	<1.2	1.2	7316347
2,5-Dichlorophenol	ug/L	<2.0	2.0	7316347
2,6-Dichlorophenol	ug/L	<2.0	2.0	7316347
3,4-Dichlorophenol	ug/L	<2.0	2.0	7316347
3,5-Dichlorophenol	ug/L	<2.0	2.0	7316347
2,4-Dimethylphenol	ug/L	<2.0	2.0	7316347
2,4-Dinitrophenol	ug/L	<25	25	7316347
4,6-Dinitro-2-methylphenol	ug/L	<8.0	8.0	7316347
2-Nitrophenol	ug/L	<2.0	2.0	7316347
4-Nitrophenol	ug/L	<25	25	7316347
Pentachlorophenol	ug/L	<25	25	7316347
Phenol	ug/L	<2.0	2.0	7316347
2,3,4,5-Tetrachlorophenol	ug/L	<1.6	1.6	7316347
2,3,4,6-Tetrachlorophenol	ug/L	<2.0	2.0	7316347
2,3,5,6-Tetrachlorophenol	ug/L	<2.0	2.0	7316347
2,3,4-Trichlorophenol	ug/L	<2.0	2.0	7316347
2,3,5-Trichlorophenol	ug/L	<2.0	2.0	7316347
2,3,6-Trichlorophenol	ug/L	<2.0	2.0	7316347
2,4,5-Trichlorophenol	ug/L	<2.0	2.0	7316347
2,4,6-Trichlorophenol	ug/L	<2.0	2.0	7316347
3,4,5-Trichlorophenol	ug/L	<2.0	2.0	7316347
Benzyl butyl phthalate	ug/L	<2.0	2.0	7316347
Biphenyl	ug/L	<2.0	2.0	7316347
Bis(2-chloroethyl)ether	ug/L	<2.0	2.0	7316347
Bis(2-chloroethoxy)methane	ug/L	<2.0	2.0	7316347
Bis(2-chloroisopropyl)ether	ug/L	<2.0	2.0	7316347
Bis(2-ethylhexyl)phthalate	ug/L	<8.0	8.0	7316347
4-Bromophenyl phenyl ether	ug/L	<1.2	1.2	7316347
p-Chloroaniline	ug/L	<4.0	4.0	7316347
4-Chlorophenyl phenyl ether	ug/L	<2.0	2.0	7316347
Di-N-butyl phthalate	ug/L	<8.0	8.0	7316347
di-n-octyl phthalate	ug/L	<3.2	3.2	7316347
2,4-Dinitrotoluene	ug/L	<2.0	2.0	7316347
Diethyl phthalate	ug/L	<4.0	4.0	7316347
3,3'-Dichlorobenzidine	ug/L	<2.0	2.0	7316347
RDL = Reportable Detection Limit				
QC Batch = Quality Control Batch				



BUREAU  
VERITAS

BV Labs Job #: C1A3176  
Report Date: 2021/04/28

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### SEMI-VOLATILE ORGANICS BY GC-MS (WATER)

BV Labs ID		PIW790		
Sampling Date		2021/04/16		
COC Number		819873-04-01		
	UNITS	35-III	RDL	QC Batch
Dimethyl phthalate	ug/L	<4.0	4.0	7316347
2,6-Dinitrotoluene	ug/L	<2.0	2.0	7316347
Diphenyl Ether	ug/L	<1.2	1.2	7316347
Hexachlorobutadiene	ug/L	<1.6	1.6	7316347
Hexachlorocyclopentadiene	ug/L	<8.0	8.0	7316347
Hexachloroethane	ug/L	<2.0	2.0	7316347
Isophorone	ug/L	<2.0	2.0	7316347
Nitrobenzene	ug/L	<2.0	2.0	7316347
Nitrosodiphenylamine/Diphenylamine	ug/L	<4.0	4.0	7316347
N-Nitroso-di-n-propylamine	ug/L	<2.0	2.0	7316347
Surrogate Recovery (%)				
2,4,6-Tribromophenol	%	63		7316347
2-Fluorobiphenyl	%	75		7316347
2-Fluorophenol	%	35		7316347
D14-Terphenyl	%	113		7316347
D5-Nitrobenzene	%	85		7316347
D5-Phenol	%	26		7316347
RDL = Reportable Detection Limit QC Batch = Quality Control Batch				



BUREAU  
VERITAS

BV Labs Job #: C1A3176  
Report Date: 2021/04/28

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### VOLATILE ORGANICS BY GC/MS (WATER)

BV Labs ID		PIW786			PIW786			PIW787		
Sampling Date		2021/04/16			2021/04/16			2021/04/16		
COC Number		819873-04-01			819873-04-01			819873-04-01		
	UNITS	35-IV	RDL	QC Batch	35-IV Lab-Dup	RDL	QC Batch	35-V	RDL	QC Batch
<b>Volatile Organics</b>										
Acetone (2-Propanone)	ug/L	<500	500	7305462	<500	500	7305462	<10	10	7305462
Benzene	ug/L	<5.0	5.0	7305462	<5.0	5.0	7305462	<0.10	0.10	7305462
Bromodichloromethane	ug/L	<5.0	5.0	7305462	<5.0	5.0	7305462	<0.10	0.10	7305462
Acrolein	ug/L	<500	500	7307435				<10	10	7307435
Bromoform	ug/L	<10	10	7305462	<10	10	7305462	<0.20	0.20	7305462
Bromomethane	ug/L	<25	25	7305462	<25	25	7305462	<0.50	0.50	7305462
Carbon Tetrachloride	ug/L	<5.0	5.0	7305462	<5.0	5.0	7305462	<0.10	0.10	7305462
Chlorobenzene	ug/L	<5.0	5.0	7305462	<5.0	5.0	7305462	<0.10	0.10	7305462
Chloroethane	ug/L	<10	10	7305462	<10	10	7305462	<0.20	0.20	7305462
Chloroform	ug/L	<5.0	5.0	7305462	<5.0	5.0	7305462	<0.10	0.10	7305462
Acrylonitrile	ug/L	<250	250	7307435				<5.0	5.0	7307435
Chloromethane	ug/L	<25	25	7305462	<25	25	7305462	<0.50	0.50	7305462
Dibromochloromethane	ug/L	<10	10	7305462	<10	10	7305462	<0.20	0.20	7305462
1,2-Dichlorobenzene	ug/L	<10	10	7305462	<10	10	7305462	<0.20	0.20	7305462
1,3-Dichlorobenzene	ug/L	<10	10	7305462	<10	10	7305462	<0.20	0.20	7305462
1,4-Dichlorobenzene	ug/L	<10	10	7305462	<10	10	7305462	<0.20	0.20	7305462
1,1-Dichloroethane	ug/L	<5.0	5.0	7305462	<5.0	5.0	7305462	<0.10	0.10	7305462
1,2-Dichloroethane	ug/L	<10	10	7305462	<10	10	7305462	<0.20	0.20	7305462
1,1-Dichloroethylene	ug/L	<5.0	5.0	7305462	<5.0	5.0	7305462	<0.10	0.10	7305462
cis-1,2-Dichloroethylene	ug/L	<5.0	5.0	7305462	<5.0	5.0	7305462	<0.10	0.10	7305462
trans-1,2-Dichloroethylene	ug/L	<5.0	5.0	7305462	<5.0	5.0	7305462	<0.10	0.10	7305462
1,2-Dichloropropane	ug/L	<5.0	5.0	7305462	<5.0	5.0	7305462	<0.10	0.10	7305462
cis-1,3-Dichloropropene	ug/L	<10	10	7305462	<10	10	7305462	<0.20	0.20	7305462
trans-1,3-Dichloropropene	ug/L	<10	10	7305462	<10	10	7305462	<0.20	0.20	7305462
Ethylbenzene	ug/L	<5.0	5.0	7305462	<5.0	5.0	7305462	<0.10	0.10	7305462
Ethylene Dibromide	ug/L	<10	10	7305462	<10	10	7305462	<0.20	0.20	7305462
Methylene Chloride(Dichloromethane)	ug/L	<25	25	7305462	<25	25	7305462	<0.50	0.50	7305462
Methyl Ethyl Ketone (2-Butanone)	ug/L	<250	250	7305462	<250	250	7305462	<5.0	5.0	7305462
Methyl Isobutyl Ketone	ug/L	<250	250	7305462	<250	250	7305462	<5.0	5.0	7305462
Methyl t-butyl ether (MTBE)	ug/L	<10	10	7305462	<10	10	7305462	<0.20	0.20	7305462
Styrene	ug/L	<10	10	7305462	<10	10	7305462	<0.20	0.20	7305462
1,1,1,2-Tetrachloroethane	ug/L	<10	10	7305462	<10	10	7305462	<0.20	0.20	7305462
1,1,1,2,2-Tetrachloroethane	ug/L	<10	10	7305462	<10	10	7305462	<0.20	0.20	7305462
Tetrachloroethylene	ug/L	<5.0	5.0	7305462	<5.0	5.0	7305462	<0.10	0.10	7305462
Toluene	ug/L	<10	10	7305462	<10	10	7305462	<0.20	0.20	7305462
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate										



BUREAU  
VERITAS

BV Labs Job #: C1A3176  
Report Date: 2021/04/28

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### VOLATILE ORGANICS BY GC/MS (WATER)

BV Labs ID		PIW786			PIW786			PIW787		
Sampling Date		2021/04/16			2021/04/16			2021/04/16		
COC Number		819873-04-01			819873-04-01			819873-04-01		
	UNITS	35-IV	RDL	QC Batch	35-IV Lab-Dup	RDL	QC Batch	35-V	RDL	QC Batch
1,1,1-Trichloroethane	ug/L	<5.0	5.0	7305462	<5.0	5.0	7305462	<0.10	0.10	7305462
1,1,2-Trichloroethane	ug/L	<10	10	7305462	<10	10	7305462	<0.20	0.20	7305462
Trichloroethylene	ug/L	<5.0	5.0	7305462	<5.0	5.0	7305462	<0.10	0.10	7305462
Trichlorofluoromethane (FREON 11)	ug/L	<10	10	7305462	<10	10	7305462	<0.20	0.20	7305462
Vinyl Chloride	ug/L	<10	10	7305462	<10	10	7305462	<0.20	0.20	7305462
p+m-Xylene	ug/L	<5.0	5.0	7305462	<5.0	5.0	7305462	<0.10	0.10	7305462
Methyl Butyl Ketone (2-Hexanone)	ug/L	<250	250	7307435				<5.0	5.0	7307435
o-Xylene	ug/L	<5.0	5.0	7305462	<5.0	5.0	7305462	<0.10	0.10	7305462
Total Xylenes	ug/L	<5.0	5.0	7305462	<5.0	5.0	7305462	<0.10	0.10	7305462
Total Trihalomethanes	ug/L	<10	10	7305462	<10	10	7305462	<0.20	0.20	7305462
<b>Surrogate Recovery (%)</b>										
4-Bromofluorobenzene	%	104		7305462	103		7305462	104		7305462
D4-1,2-Dichloroethane	%	90		7305462	88		7305462	91		7305462
D8-Toluene	%	96		7305462	96		7305462	96		7305462
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate										



BUREAU  
VERITAS

BV Labs Job #: C1A3176  
Report Date: 2021/04/28

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

**VOLATILE ORGANICS BY GC/MS (WATER)**

BV Labs ID		PIW787			PIW788		PIW789	PIW790		
Sampling Date		2021/04/16			2021/04/16		2021/04/16	2021/04/16		
COC Number		819873-04-01			819873-04-01		819873-04-01	819873-04-01		
	UNITS	35-V Lab-Dup	RDL	QC Batch	35-VI	RDL	35-VII	35-III	RDL	QC Batch
<b>Volatile Organics</b>										
Acetone (2-Propanone)	ug/L				<50	50	<10	<10	10	7305462
Benzene	ug/L				<0.50	0.50	<0.10	<0.10	0.10	7305462
Bromodichloromethane	ug/L				<0.50	0.50	<0.10	<0.10	0.10	7305462
Acrolein	ug/L	<10	10	7307435	<50	50	<10	<10	10	7307435
Bromoform	ug/L				<1.0	1.0	<0.20	<0.20	0.20	7305462
Bromomethane	ug/L				<2.5	2.5	<0.50	<0.50	0.50	7305462
Carbon Tetrachloride	ug/L				<0.50	0.50	<0.10	<0.10	0.10	7305462
Chlorobenzene	ug/L				<0.50	0.50	<0.10	<0.10	0.10	7305462
Chloroethane	ug/L				<1.0	1.0	<0.20	<0.20	0.20	7305462
Chloroform	ug/L				<0.50	0.50	<0.10	<0.10	0.10	7305462
Acrylonitrile	ug/L	<5.0	5.0	7307435	<25	25	<5.0	<5.0	5.0	7307435
Chloromethane	ug/L				<2.5	2.5	<0.50	<0.50	0.50	7305462
Dibromochloromethane	ug/L				<1.0	1.0	<0.20	<0.20	0.20	7305462
1,2-Dichlorobenzene	ug/L				<1.0	1.0	<0.20	<0.20	0.20	7305462
1,3-Dichlorobenzene	ug/L				<1.0	1.0	<0.20	<0.20	0.20	7305462
1,4-Dichlorobenzene	ug/L				<1.0	1.0	<0.20	<0.20	0.20	7305462
1,1-Dichloroethane	ug/L				<0.50	0.50	<0.10	<0.10	0.10	7305462
1,2-Dichloroethane	ug/L				<1.0	1.0	<0.20	<0.20	0.20	7305462
1,1-Dichloroethylene	ug/L				<0.50	0.50	<0.10	<0.10	0.10	7305462
cis-1,2-Dichloroethylene	ug/L				<0.50	0.50	<0.10	<0.10	0.10	7305462
trans-1,2-Dichloroethylene	ug/L				<0.50	0.50	<0.10	<0.10	0.10	7305462
1,2-Dichloropropane	ug/L				<0.50	0.50	<0.10	<0.10	0.10	7305462
cis-1,3-Dichloropropene	ug/L				<1.0	1.0	<0.20	<0.20	0.20	7305462
trans-1,3-Dichloropropene	ug/L				<1.0	1.0	<0.20	<0.20	0.20	7305462
Ethylbenzene	ug/L				<0.50	0.50	<0.10	<0.10	0.10	7305462
Ethylene Dibromide	ug/L				<1.0	1.0	<0.20	<0.20	0.20	7305462
Methylene Chloride(Dichloromethane)	ug/L				<2.5	2.5	<0.50	<0.50	0.50	7305462
Methyl Ethyl Ketone (2-Butanone)	ug/L				<25	25	<5.0	<5.0	5.0	7305462
Methyl Isobutyl Ketone	ug/L				<25	25	<5.0	<5.0	5.0	7305462
Methyl t-butyl ether (MTBE)	ug/L				<1.0	1.0	<0.20	<0.20	0.20	7305462
Styrene	ug/L				<1.0	1.0	<0.20	<0.20	0.20	7305462
1,1,1,2-Tetrachloroethane	ug/L				<1.0	1.0	<0.20	<0.20	0.20	7305462
1,1,2,2-Tetrachloroethane	ug/L				<1.0	1.0	<0.20	<0.20	0.20	7305462
Tetrachloroethylene	ug/L				<0.50	0.50	<0.10	<0.10	0.10	7305462
Toluene	ug/L				<1.0	1.0	<0.20	<0.20	0.20	7305462
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate										



**VOLATILE ORGANICS BY GC/MS (WATER)**

BV Labs ID		PIW787			PIW788		PIW789	PIW790		
Sampling Date		2021/04/16			2021/04/16		2021/04/16	2021/04/16		
COC Number		819873-04-01			819873-04-01		819873-04-01	819873-04-01		
	UNITS	35-V Lab-Dup	RDL	QC Batch	35-VI	RDL	35-VII	35-III	RDL	QC Batch
1,1,1-Trichloroethane	ug/L				<0.50	0.50	<0.10	<0.10	0.10	7305462
1,1,2-Trichloroethane	ug/L				<1.0	1.0	<0.20	<0.20	0.20	7305462
Trichloroethylene	ug/L				<0.50	0.50	<0.10	<0.10	0.10	7305462
Trichlorofluoromethane (FREON 11)	ug/L				<1.0	1.0	<0.20	<0.20	0.20	7305462
Vinyl Chloride	ug/L				<1.0	1.0	<0.20	<0.20	0.20	7305462
p+m-Xylene	ug/L				<0.50	0.50	<0.10	<0.10	0.10	7305462
Methyl Butyl Ketone (2-Hexanone)	ug/L	<5.0	5.0	7307435	<25	25	<5.0	<5.0	5.0	7307435
o-Xylene	ug/L				<0.50	0.50	<0.10	<0.10	0.10	7305462
Total Xylenes	ug/L				<0.50	0.50	<0.10	<0.10	0.10	7305462
Total Trihalomethanes	ug/L				<1.0	1.0	<0.20	<0.20	0.20	7305462
<b>Surrogate Recovery (%)</b>										
4-Bromofluorobenzene	%				104		104	105		7305462
D4-1,2-Dichloroethane	%				89		91	87		7305462
D8-Toluene	%				97		96	99		7305462
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate										



BUREAU  
VERITAS

BV Labs Job #: C1A3176  
Report Date: 2021/04/28

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

**O.REG 153 OC PESTICIDES (WATER)**

<b>BV Labs ID</b>		PIW786	PIW787	PIW788	PIW789	PIW790		
<b>Sampling Date</b>		2021/04/16	2021/04/16	2021/04/16	2021/04/16	2021/04/16		
<b>COC Number</b>		819873-04-01	819873-04-01	819873-04-01	819873-04-01	819873-04-01		
	<b>UNITS</b>	<b>35-IV</b>	<b>35-V</b>	<b>35-VI</b>	<b>35-VII</b>	<b>35-III</b>	<b>RDL</b>	<b>QC Batch</b>

<b>Calculated Parameters</b>								
Chlordane (Total)	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7306714
o,p-DDD + p,p-DDD	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7306714
o,p-DDE + p,p-DDE	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7306714
o,p-DDT + p,p-DDT	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7306714
Total Endosulfan	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7306714
Total PCB	ug/L	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	7306714

<b>Pesticides &amp; Herbicides</b>								
Aldrin	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7316307
Dieldrin	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7316307
a-Chlordane	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7316307
g-Chlordane	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7316307
o,p-DDD	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7316307
p,p-DDD	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7316307
o,p-DDE	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7316307
p,p-DDE	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7316307
o,p-DDT	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7316307
p,p-DDT	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7316307
Lindane	ug/L	<0.003	<0.003	<0.003	<0.003	<0.003	0.003	7316307
Endosulfan I (alpha)	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7316307
Endosulfan II (beta)	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7316307
Endrin	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7316307
Heptachlor	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7316307
Heptachlor epoxide	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7316307
Hexachlorobenzene	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7316307
Hexachlorobutadiene	ug/L	<0.009	<0.009	<0.009	<0.009	<0.009	0.009	7316307
Hexachloroethane	ug/L	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	7316307
Methoxychlor	ug/L	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	7316307
Aroclor 1242	ug/L	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	7316307
Aroclor 1248	ug/L	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	7316307
Aroclor 1254	ug/L	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	7316307
Aroclor 1260	ug/L	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	7316307
alpha-BHC	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7316307
beta-BHC	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7316307
Endrin aldehyde	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7316307
Endrin ketone	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7316307
Mirex	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7316307

RDL = Reportable Detection Limit  
QC Batch = Quality Control Batch





BUREAU  
VERITAS

BV Labs Job #: C1A3176  
Report Date: 2021/04/28

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

**O.REG 153 OC PESTICIDES (WATER)**

BV Labs ID		PIW786	PIW787	PIW788	PIW789	PIW790		
Sampling Date		2021/04/16	2021/04/16	2021/04/16	2021/04/16	2021/04/16		
COC Number		819873-04-01	819873-04-01	819873-04-01	819873-04-01	819873-04-01		
	UNITS	35-IV	35-V	35-VI	35-VII	35-III	RDL	QC Batch
Toxaphene	ug/L	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	7316307
<b>Surrogate Recovery (%)</b>								
2,4,5,6-Tetrachloro-m-xylene	%	69	70	70	63	66		7316307
Decachlorobiphenyl	%	113	106	109	96	98		7316307
RDL = Reportable Detection Limit QC Batch = Quality Control Batch								



BUREAU  
VERITAS

BV Labs Job #: C1A3176  
Report Date: 2021/04/28

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### TEST SUMMARY

**BV Labs ID:** PIW786  
**Sample ID:** 35-IV  
**Matrix:** Water

**Collected:** 2021/04/16  
**Shipped:**  
**Received:** 2021/04/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in Water by GC/MS	GC/MS	7316347	2021/04/23	2021/04/26	Anh Lieu
Alkalinity	AT	7308496	N/A	2021/04/21	Surinder Rai
Anions	IC	7308934	N/A	2021/04/21	Fari Dehdezi
Conductivity	AT	7308499	N/A	2021/04/21	Surinder Rai
Fluoride	ISE	7308488	2021/04/20	2021/04/21	Surinder Rai
Hardness (calculated as CaCO3)		7305603	N/A	2021/04/21	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7308673	N/A	2021/04/21	Nan Raykha
Total Ammonia-N	LACH/NH4	7311347	N/A	2021/04/23	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7308306	N/A	2021/04/21	Chandra Nandlal
OC Pesticides (Selected) & PCB	GC/ECD	7316307	2021/04/23	2021/04/24	Li Peng
OC Pesticides Summed Parameters	CALC	7306714	N/A	2021/04/21	Automated Statchk
pH	AT	7308506	2021/04/20	2021/04/21	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7310225	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7308466	N/A	2021/04/21	Avneet Kour Sudan
Total Dissolved Solids	BAL	7310761	2021/04/21	2021/04/22	Sandeep Kaur
Total Kjeldahl Nitrogen in Water	SKAL	7310741	2021/04/21	2021/04/22	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7310709	N/A	2021/04/22	Nimarta Singh
Volatile Organic Compounds in Water	P&T/MS	7305462	N/A	2021/04/20	Gladys Guerrero
Non-Routine Volatile Organic Compounds	P&T/MS	7307435	N/A	2021/04/20	Gladys Guerrero

**BV Labs ID:** PIW786 Dup  
**Sample ID:** 35-IV  
**Matrix:** Water

**Collected:** 2021/04/16  
**Shipped:**  
**Received:** 2021/04/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Volatile Organic Compounds in Water	P&T/MS	7305462	N/A	2021/04/20	Gladys Guerrero

**BV Labs ID:** PIW787  
**Sample ID:** 35-V  
**Matrix:** Water

**Collected:** 2021/04/16  
**Shipped:**  
**Received:** 2021/04/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in Water by GC/MS	GC/MS	7316347	2021/04/23	2021/04/26	Anh Lieu
Alkalinity	AT	7308496	N/A	2021/04/21	Surinder Rai
Anions	IC	7308934	N/A	2021/04/21	Fari Dehdezi
Conductivity	AT	7308499	N/A	2021/04/21	Surinder Rai
Fluoride	ISE	7308488	2021/04/20	2021/04/21	Surinder Rai
Hardness (calculated as CaCO3)		7305603	N/A	2021/04/21	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7308673	N/A	2021/04/21	Nan Raykha
Total Ammonia-N	LACH/NH4	7311347	N/A	2021/04/23	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7308311	N/A	2021/04/21	Chandra Nandlal
OC Pesticides (Selected) & PCB	GC/ECD	7316307	2021/04/23	2021/04/24	Li Peng
OC Pesticides Summed Parameters	CALC	7306714	N/A	2021/04/21	Automated Statchk
pH	AT	7308506	2021/04/20	2021/04/21	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7310225	N/A	2021/04/24	Bramdeo Motiram



BUREAU  
VERITAS

BV Labs Job #: C1A3176  
Report Date: 2021/04/28

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### TEST SUMMARY

**BV Labs ID:** PIW787  
**Sample ID:** 35-V  
**Matrix:** Water

**Collected:** 2021/04/16  
**Shipped:**  
**Received:** 2021/04/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Orthophosphate	KONE	7308466	N/A	2021/04/21	Avneet Kour Sudan
Total Dissolved Solids	BAL	7310761	2021/04/21	2021/04/22	Sandeep Kaur
Total Kjeldahl Nitrogen in Water	SKAL	7310741	2021/04/21	2021/04/22	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7310709	N/A	2021/04/22	Nimarta Singh
Volatile Organic Compounds in Water	P&T/MS	7305462	N/A	2021/04/20	Gladys Guerrero
Non-Routine Volatile Organic Compounds	P&T/MS	7307435	N/A	2021/04/20	Gladys Guerrero

**BV Labs ID:** PIW787 Dup  
**Sample ID:** 35-V  
**Matrix:** Water

**Collected:** 2021/04/16  
**Shipped:**  
**Received:** 2021/04/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7308496	N/A	2021/04/21	Surinder Rai
Conductivity	AT	7308499	N/A	2021/04/21	Surinder Rai
Fluoride	ISE	7308488	2021/04/20	2021/04/21	Surinder Rai
pH	AT	7308506	2021/04/20	2021/04/21	Surinder Rai
Non-Routine Volatile Organic Compounds	P&T/MS	7307435	N/A	2021/04/20	Gladys Guerrero

**BV Labs ID:** PIW788  
**Sample ID:** 35-VI  
**Matrix:** Water

**Collected:** 2021/04/16  
**Shipped:**  
**Received:** 2021/04/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in Water by GC/MS	GC/MS	7316347	2021/04/23	2021/04/26	Anh Lieu
Alkalinity	AT	7308496	N/A	2021/04/21	Surinder Rai
Anions	IC	7308934	N/A	2021/04/21	Fari Dehdezi
Conductivity	AT	7308499	N/A	2021/04/21	Surinder Rai
Fluoride	ISE	7308488	2021/04/20	2021/04/21	Surinder Rai
Hardness (calculated as CaCO3)		7305603	N/A	2021/04/21	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7308673	N/A	2021/04/21	Nan Raykha
Total Ammonia-N	LACH/NH4	7311347	N/A	2021/04/23	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7308306	N/A	2021/04/21	Chandra Nandlal
OC Pesticides (Selected) & PCB	GC/ECD	7316307	2021/04/23	2021/04/25	Li Peng
OC Pesticides Summed Parameters	CALC	7306714	N/A	2021/04/21	Automated Statchk
pH	AT	7308506	2021/04/20	2021/04/21	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7310225	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7308466	N/A	2021/04/21	Avneet Kour Sudan
Total Dissolved Solids	BAL	7310761	2021/04/21	2021/04/22	Sandeep Kaur
Total Kjeldahl Nitrogen in Water	SKAL	7310741	2021/04/21	2021/04/22	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7310709	N/A	2021/04/22	Nimarta Singh
Volatile Organic Compounds in Water	P&T/MS	7305462	N/A	2021/04/20	Gladys Guerrero
Non-Routine Volatile Organic Compounds	P&T/MS	7307435	N/A	2021/04/20	Gladys Guerrero



BUREAU  
VERITAS

BV Labs Job #: C1A3176  
Report Date: 2021/04/28

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### TEST SUMMARY

**BV Labs ID:** PIW789  
**Sample ID:** 35-VII  
**Matrix:** Water

**Collected:** 2021/04/16  
**Shipped:**  
**Received:** 2021/04/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in Water by GC/MS	GC/MS	7316347	2021/04/23	2021/04/26	Anh Lieu
Alkalinity	AT	7308496	N/A	2021/04/21	Surinder Rai
Anions	IC	7308934	N/A	2021/04/21	Fari Dehdezi
Conductivity	AT	7308499	N/A	2021/04/21	Surinder Rai
Fluoride	ISE	7308488	2021/04/20	2021/04/21	Surinder Rai
Hardness (calculated as CaCO3)		7305603	N/A	2021/04/21	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7308673	N/A	2021/04/21	Nan Raykha
Total Ammonia-N	LACH/NH4	7311347	N/A	2021/04/23	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7308311	N/A	2021/04/21	Chandra Nandlal
OC Pesticides (Selected) & PCB	GC/ECD	7316307	2021/04/23	2021/04/24	Li Peng
OC Pesticides Summed Parameters	CALC	7306714	N/A	2021/04/21	Automated Statchk
pH	AT	7308506	2021/04/20	2021/04/21	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7310225	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7308466	N/A	2021/04/21	Avneet Kour Sudan
Total Dissolved Solids	BAL	7310761	2021/04/21	2021/04/22	Sandeep Kaur
Total Kjeldahl Nitrogen in Water	SKAL	7310741	2021/04/21	2021/04/22	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7310709	N/A	2021/04/22	Nimarta Singh
Volatile Organic Compounds in Water	P&T/MS	7305462	N/A	2021/04/20	Gladys Guerrero
Non-Routine Volatile Organic Compounds	P&T/MS	7307435	N/A	2021/04/20	Gladys Guerrero

**BV Labs ID:** PIW789 Dup  
**Sample ID:** 35-VII  
**Matrix:** Water

**Collected:** 2021/04/16  
**Shipped:**  
**Received:** 2021/04/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in Water by GC/MS	GC/MS	7316347	2021/04/23	2021/04/26	Anh Lieu
Total Dissolved Solids	BAL	7310761	2021/04/21	2021/04/22	Sandeep Kaur

**BV Labs ID:** PIW790  
**Sample ID:** 35-III  
**Matrix:** Water

**Collected:** 2021/04/16  
**Shipped:**  
**Received:** 2021/04/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in Water by GC/MS	GC/MS	7316347	2021/04/23	2021/04/26	Anh Lieu
Alkalinity	AT	7308496	N/A	2021/04/21	Surinder Rai
Anions	IC	7308934	N/A	2021/04/21	Fari Dehdezi
Conductivity	AT	7308499	N/A	2021/04/21	Surinder Rai
Fluoride	ISE	7308488	2021/04/20	2021/04/21	Surinder Rai
Hardness (calculated as CaCO3)		7305603	N/A	2021/04/21	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7308673	N/A	2021/04/21	Nan Raykha
Total Ammonia-N	LACH/NH4	7311347	N/A	2021/04/23	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7308311	N/A	2021/04/21	Chandra Nandlal
OC Pesticides (Selected) & PCB	GC/ECD	7316307	2021/04/23	2021/04/24	Li Peng
OC Pesticides Summed Parameters	CALC	7306714	N/A	2021/04/21	Automated Statchk
pH	AT	7308506	2021/04/20	2021/04/21	Surinder Rai



BUREAU  
VERITAS

BV Labs Job #: C1A3176  
Report Date: 2021/04/28

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### TEST SUMMARY

**BV Labs ID:** PIW790  
**Sample ID:** 35-III  
**Matrix:** Water

**Collected:** 2021/04/16  
**Shipped:**  
**Received:** 2021/04/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Phenols (4AAP)	TECH/PHEN	7310225	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7308466	N/A	2021/04/21	Avneet Kour Sudan
Total Dissolved Solids	BAL	7310761	2021/04/21	2021/04/22	Sandeep Kaur
Total Kjeldahl Nitrogen in Water	SKAL	7310741	2021/04/21	2021/04/22	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7310709	N/A	2021/04/22	Nimarta Singh
Volatile Organic Compounds in Water	P&T/MS	7305462	N/A	2021/04/20	Gladys Guerrero
Non-Routine Volatile Organic Compounds	P&T/MS	7307435	N/A	2021/04/20	Gladys Guerrero

**BV Labs ID:** PIW790 Dup  
**Sample ID:** 35-III  
**Matrix:** Water

**Collected:** 2021/04/16  
**Shipped:**  
**Received:** 2021/04/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7308311	N/A	2021/04/21	Chandra Nandlal

**BV Labs ID:** PIW791  
**Sample ID:** 2-II  
**Matrix:** Water

**Collected:** 2021/04/16  
**Shipped:**  
**Received:** 2021/04/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7308496	N/A	2021/04/21	Surinder Rai
Anions	IC	7308934	N/A	2021/04/21	Fari Dehdezi
Conductivity	AT	7308499	N/A	2021/04/21	Surinder Rai
Fluoride	ISE	7308488	2021/04/20	2021/04/21	Surinder Rai
Hardness (calculated as CaCO3)		7305603	N/A	2021/04/21	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7308673	N/A	2021/04/21	Nan Raykha
Total Ammonia-N	LACH/NH4	7311347	N/A	2021/04/23	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7308311	N/A	2021/04/21	Chandra Nandlal
pH	AT	7308506	2021/04/20	2021/04/21	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7310225	N/A	2021/04/23	Bramdeo Motiram
Orthophosphate	KONE	7308466	N/A	2021/04/21	Avneet Kour Sudan
Total Dissolved Solids	BAL	7310761	2021/04/21	2021/04/22	Sandeep Kaur
Total Kjeldahl Nitrogen in Water	SKAL	7310741	2021/04/21	2021/04/22	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7310709	N/A	2021/04/22	Nimarta Singh

**BV Labs ID:** PIW791 Dup  
**Sample ID:** 2-II  
**Matrix:** Water

**Collected:** 2021/04/16  
**Shipped:**  
**Received:** 2021/04/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Orthophosphate	KONE	7308466	N/A	2021/04/21	Avneet Kour Sudan



### GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	3.0°C
Package 2	1.7°C
Package 3	1.7°C
Package 4	1.7°C

VOC Water Analysis: Due to foaming, some of the samples required dilution. The detection limits were adjusted accordingly.

ABN analysis: Due to the nature of the sample matrix, a smaller than usual portion of the sample was used for extraction. Detection limits were adjusted accordingly. Detection limits were raised for 2,4-dinitrophenol, 4-nitrophenol and Pentachlorophenol due to matrix interference.

Sample PIW786 [35-IV] : Metal Analysis: Due to the sample matrix, sample required dilution. Detection limit was adjusted accordingly.

Sample PIW788 [35-VI] : Metal Analysis: Due to the sample matrix, sample required dilution. Detection limit was adjusted accordingly.

**Results relate only to the items tested.**



BUREAU  
VERITAS

BV Labs Job #: C1A3176

Report Date: 2021/04/28

### QUALITY ASSURANCE REPORT

Terrapure Environmental

Client Project #: GW

Sampler Initials: BM

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7305462	4-Bromofluorobenzene	2021/04/20	107	70 - 130	105	70 - 130	105	%				
7305462	D4-1,2-Dichloroethane	2021/04/20	85	70 - 130	88	70 - 130	88	%				
7305462	D8-Toluene	2021/04/20	100	70 - 130	101	70 - 130	102	%				
7316307	2,4,5,6-Tetrachloro-m-xylene	2021/04/24	77	50 - 130	74	50 - 130	64	%				
7316307	Decachlorobiphenyl	2021/04/24	120	50 - 130	111	50 - 130	114	%				
7316347	2,4,6-Tribromophenol	2021/04/26	97	10 - 130	89	10 - 130	53	%				
7316347	2-Fluorobiphenyl	2021/04/26	87	30 - 130	82	30 - 130	76	%				
7316347	2-Fluorophenol	2021/04/26	50	10 - 130	42	10 - 130	24	%				
7316347	D14-Terphenyl	2021/04/26	111	30 - 130	101	30 - 130	101	%				
7316347	D5-Nitrobenzene	2021/04/26	88	30 - 130	99	30 - 130	76	%				
7316347	D5-Phenol	2021/04/26	30	10 - 130	35	10 - 130	25	%				
7305462	1,1,1,2-Tetrachloroethane	2021/04/20	95	70 - 130	97	70 - 130	<0.20	ug/L	NC	30		
7305462	1,1,1-Trichloroethane	2021/04/20	96	70 - 130	95	70 - 130	<0.10	ug/L	NC	30		
7305462	1,1,2,2-Tetrachloroethane	2021/04/20	94	70 - 130	101	70 - 130	<0.20	ug/L	NC	30		
7305462	1,1,2-Trichloroethane	2021/04/20	91	70 - 130	95	70 - 130	<0.20	ug/L	NC	30		
7305462	1,1-Dichloroethane	2021/04/20	90	70 - 130	89	70 - 130	<0.10	ug/L	NC	30		
7305462	1,1-Dichloroethylene	2021/04/20	84	70 - 130	85	70 - 130	<0.10	ug/L	NC	30		
7305462	1,2-Dichlorobenzene	2021/04/20	96	70 - 130	98	70 - 130	<0.20	ug/L	NC	30		
7305462	1,2-Dichloroethane	2021/04/20	79	70 - 130	82	70 - 130	<0.20	ug/L	NC	30		
7305462	1,2-Dichloropropane	2021/04/20	95	70 - 130	96	70 - 130	<0.10	ug/L	NC	30		
7305462	1,3-Dichlorobenzene	2021/04/20	91	70 - 130	88	70 - 130	<0.20	ug/L	NC	30		
7305462	1,4-Dichlorobenzene	2021/04/20	105	70 - 130	103	70 - 130	<0.20	ug/L	NC	30		
7305462	Acetone (2-Propanone)	2021/04/20	74	60 - 140	77	60 - 140	<10	ug/L	NC	30		
7305462	Benzene	2021/04/20	93	70 - 130	92	70 - 130	<0.10	ug/L	NC	30		
7305462	Bromodichloromethane	2021/04/20	94	70 - 130	99	70 - 130	<0.10	ug/L	NC	30		
7305462	Bromoform	2021/04/20	96	70 - 130	102	70 - 130	<0.20	ug/L	NC	30		
7305462	Bromomethane	2021/04/20	43 (1)	60 - 140	55 (1)	60 - 140	<0.50	ug/L	NC	30		
7305462	Carbon Tetrachloride	2021/04/20	101	70 - 130	96	70 - 130	<0.10	ug/L	NC	30		
7305462	Chlorobenzene	2021/04/20	97	70 - 130	95	70 - 130	<0.10	ug/L	NC	30		
7305462	Chloroethane	2021/04/20	80	70 - 130	72	70 - 130	<0.20	ug/L	NC	30		
7305462	Chloroform	2021/04/20	91	70 - 130	91	70 - 130	<0.10	ug/L	NC	30		



BUREAU  
VERITAS

BV Labs Job #: C1A3176  
Report Date: 2021/04/28

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7305462	Chloromethane	2021/04/20	74	60 - 140	78	60 - 140	<0.50	ug/L	NC	30		
7305462	cis-1,2-Dichloroethylene	2021/04/20	99	70 - 130	98	70 - 130	<0.10	ug/L	NC	30		
7305462	cis-1,3-Dichloropropene	2021/04/20	99	70 - 130	90	70 - 130	<0.20	ug/L	NC	30		
7305462	Dibromochloromethane	2021/04/20	93	70 - 130	98	70 - 130	<0.20	ug/L	NC	30		
7305462	Ethylbenzene	2021/04/20	95	70 - 130	90	70 - 130	<0.10	ug/L	NC	30		
7305462	Ethylene Dibromide	2021/04/20	89	70 - 130	93	70 - 130	<0.20	ug/L	NC	30		
7305462	Methyl Ethyl Ketone (2-Butanone)	2021/04/20	80	60 - 140	87	60 - 140	<5.0	ug/L	NC	30		
7305462	Methyl Isobutyl Ketone	2021/04/20	82	70 - 130	86	70 - 130	<5.0	ug/L	NC	30		
7305462	Methyl t-butyl ether (MTBE)	2021/04/20	85	70 - 130	91	70 - 130	<0.20	ug/L	NC	30		
7305462	Methylene Chloride(Dichloromethane)	2021/04/20	96	70 - 130	100	70 - 130	<0.50	ug/L	NC	30		
7305462	o-Xylene	2021/04/20	97	70 - 130	93	70 - 130	<0.10	ug/L	NC	30		
7305462	p+m-Xylene	2021/04/20	102	70 - 130	96	70 - 130	<0.10	ug/L	NC	30		
7305462	Styrene	2021/04/20	109	70 - 130	108	70 - 130	<0.20	ug/L	NC	30		
7305462	Tetrachloroethylene	2021/04/20	98	70 - 130	91	70 - 130	<0.10	ug/L	NC	30		
7305462	Toluene	2021/04/20	97	70 - 130	93	70 - 130	<0.20	ug/L	NC	30		
7305462	Total Trihalomethanes	2021/04/20					<0.20	ug/L	NC	30		
7305462	Total Xylenes	2021/04/20					<0.10	ug/L	NC	30		
7305462	trans-1,2-Dichloroethylene	2021/04/20	103	70 - 130	96	70 - 130	<0.10	ug/L	NC	30		
7305462	trans-1,3-Dichloropropene	2021/04/20	97	70 - 130	87	70 - 130	<0.20	ug/L	NC	30		
7305462	Trichloroethylene	2021/04/20	107	70 - 130	101	70 - 130	<0.10	ug/L	NC	30		
7305462	Trichlorofluoromethane (FREON 11)	2021/04/20	78	70 - 130	78	70 - 130	<0.20	ug/L	NC	30		
7305462	Vinyl Chloride	2021/04/20	86	70 - 130	89	70 - 130	<0.20	ug/L	NC	30		
7307435	Acrolein	2021/04/20	82	60 - 140	98	60 - 140	<10	ug/L	NC	30		
7307435	Acrylonitrile	2021/04/20	93	60 - 140	97	60 - 140	<5.0	ug/L	NC	30		
7307435	Methyl Butyl Ketone (2-Hexanone)	2021/04/20	100	60 - 140	115	60 - 140	<5.0	ug/L	NC	30		
7308306	Nitrate (N)	2021/04/21	98	80 - 120	94	80 - 120	<0.10	mg/L	NC	20		
7308306	Nitrite (N)	2021/04/21	104	80 - 120	98	80 - 120	<0.010	mg/L	NC	20		
7308311	Nitrate (N)	2021/04/21	99	80 - 120	92	80 - 120	<0.10	mg/L	NC	20		
7308311	Nitrite (N)	2021/04/21	107	80 - 120	104	80 - 120	<0.010	mg/L	NC	20		
7308466	Orthophosphate (P)	2021/04/21	115	75 - 125	103	80 - 120	<0.010	mg/L	12	25		
7308488	Fluoride (F-)	2021/04/21	91	80 - 120	102	80 - 120	<0.10	mg/L	5.2	20		





BUREAU  
VERITAS

BV Labs Job #: C1A3176  
Report Date: 2021/04/28

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7308496	Alkalinity (Total as CaCO3)	2021/04/21			94	85 - 115	<1.0	mg/L	2.0	20		
7308499	Conductivity	2021/04/21			101	85 - 115	<1.0	umho/cm	0.50	25		
7308506	pH	2021/04/21			102	98 - 103			0.41	N/A		
7308673	Dissolved Aluminum (Al)	2021/04/21	102	80 - 120	104	80 - 120	<4.9	ug/L	NC	20		
7308673	Dissolved Antimony (Sb)	2021/04/21	105	80 - 120	101	80 - 120	<0.50	ug/L				
7308673	Dissolved Arsenic (As)	2021/04/21	101	80 - 120	97	80 - 120	<1.0	ug/L				
7308673	Dissolved Barium (Ba)	2021/04/21	101	80 - 120	99	80 - 120	<2.0	ug/L	1.3	20		
7308673	Dissolved Beryllium (Be)	2021/04/21	101	80 - 120	95	80 - 120	<0.40	ug/L				
7308673	Dissolved Bismuth (Bi)	2021/04/21	98	80 - 120	96	80 - 120	<1.0	ug/L				
7308673	Dissolved Boron (B)	2021/04/21	95	80 - 120	92	80 - 120	<10	ug/L	4.1	20		
7308673	Dissolved Cadmium (Cd)	2021/04/21	102	80 - 120	99	80 - 120	<0.090	ug/L	NC	20		
7308673	Dissolved Calcium (Ca)	2021/04/21	NC	80 - 120	103	80 - 120	<200	ug/L	0.48	20		
7308673	Dissolved Chromium (Cr)	2021/04/21	100	80 - 120	96	80 - 120	<5.0	ug/L	NC	20		
7308673	Dissolved Cobalt (Co)	2021/04/21	101	80 - 120	97	80 - 120	<0.50	ug/L				
7308673	Dissolved Copper (Cu)	2021/04/21	103	80 - 120	102	80 - 120	<0.90	ug/L	1.8	20		
7308673	Dissolved Iron (Fe)	2021/04/21	100	80 - 120	97	80 - 120	<100	ug/L	NC	20		
7308673	Dissolved Lead (Pb)	2021/04/21	99	80 - 120	97	80 - 120	<0.50	ug/L	NC	20		
7308673	Dissolved Lithium (Li)	2021/04/21	106	80 - 120	101	80 - 120	<5.0	ug/L				
7308673	Dissolved Magnesium (Mg)	2021/04/21	NC	80 - 120	98	80 - 120	<50	ug/L	1.5	20		
7308673	Dissolved Manganese (Mn)	2021/04/21	100	80 - 120	97	80 - 120	<2.0	ug/L	2.2	20		
7308673	Dissolved Molybdenum (Mo)	2021/04/21	105	80 - 120	99	80 - 120	<0.50	ug/L				
7308673	Dissolved Nickel (Ni)	2021/04/21	98	80 - 120	96	80 - 120	<1.0	ug/L				
7308673	Dissolved Phosphorus (P)	2021/04/21	107	80 - 120	111	80 - 120	<100	ug/L				
7308673	Dissolved Potassium (K)	2021/04/21	103	80 - 120	97	80 - 120	<200	ug/L	1.9	20		
7308673	Dissolved Selenium (Se)	2021/04/21	101	80 - 120	100	80 - 120	<2.0	ug/L				
7308673	Dissolved Silicon (Si)	2021/04/21	106	80 - 120	105	80 - 120	<50	ug/L				
7308673	Dissolved Silver (Ag)	2021/04/21	95	80 - 120	92	80 - 120	<0.090	ug/L				
7308673	Dissolved Sodium (Na)	2021/04/21	99	80 - 120	98	80 - 120	<100	ug/L	0.44	20		
7308673	Dissolved Strontium (Sr)	2021/04/21	99	80 - 120	95	80 - 120	<1.0	ug/L				
7308673	Dissolved Tellurium (Te)	2021/04/21	104	80 - 120	100	80 - 120	<1.0	ug/L				



BUREAU  
VERITAS

BV Labs Job #: C1A3176  
Report Date: 2021/04/28

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7308673	Dissolved Thallium (Tl)	2021/04/21	99	80 - 120	97	80 - 120	<0.050	ug/L				
7308673	Dissolved Tin (Sn)	2021/04/21	105	80 - 120	100	80 - 120	<1.0	ug/L				
7308673	Dissolved Titanium (Ti)	2021/04/21	103	80 - 120	98	80 - 120	<5.0	ug/L				
7308673	Dissolved Tungsten (W)	2021/04/21	101	80 - 120	99	80 - 120	<1.0	ug/L				
7308673	Dissolved Uranium (U)	2021/04/21	101	80 - 120	98	80 - 120	<0.10	ug/L				
7308673	Dissolved Vanadium (V)	2021/04/21	103	80 - 120	97	80 - 120	<0.50	ug/L				
7308673	Dissolved Zinc (Zn)	2021/04/21	98	80 - 120	95	80 - 120	<5.0	ug/L	NC	20		
7308673	Dissolved Zirconium (Zr)	2021/04/21	107	80 - 120	102	80 - 120	<1.0	ug/L				
7308934	Dissolved Bromide (Br-)	2021/04/21	104	80 - 120	111	80 - 120	<1.0	mg/L	NC	20		
7308934	Dissolved Chloride (Cl-)	2021/04/21	NC	80 - 120	98	70 - 130	<1.0	mg/L	1.2	20		
7308934	Dissolved Sulphate (SO4)	2021/04/21	NC	80 - 120	101	80 - 120	<1.0	mg/L	2.0	20		
7310225	Phenols-4AAP	2021/04/23	103	80 - 120	101	80 - 120	<0.0010	mg/L	2.9	20		
7310709	Total Organic Carbon (TOC)	2021/04/22	98	80 - 120	99	80 - 120	<0.40	mg/L	0.40	20		
7310741	Total Kjeldahl Nitrogen (TKN)	2021/04/22	101	80 - 120	98	80 - 120	<0.10	mg/L	NC	20	100	80 - 120
7310761	Total Dissolved Solids	2021/04/22					<10	mg/L	0.58	25	98	90 - 110
7311347	Total Ammonia-N	2021/04/23	98	75 - 125	100	80 - 120	<0.050	mg/L	NC	20		
7316307	a-Chlordane	2021/04/24	97	50 - 130	102	50 - 130	<0.005	ug/L	NC	30		
7316307	Aldrin	2021/04/24	79	50 - 130	79	50 - 130	<0.005	ug/L	NC	30		
7316307	alpha-BHC	2021/04/24	91	30 - 130	93	30 - 130	<0.005	ug/L	NC	40		
7316307	Aroclor 1242	2021/04/24					<0.05	ug/L	NC	30		
7316307	Aroclor 1248	2021/04/24					<0.05	ug/L	NC	30		
7316307	Aroclor 1254	2021/04/24					<0.05	ug/L	NC	30		
7316307	Aroclor 1260	2021/04/24					<0.05	ug/L	NC	30		
7316307	beta-BHC	2021/04/24	84	30 - 130	86	30 - 130	<0.005	ug/L	NC	40		
7316307	Dieldrin	2021/04/24	113	50 - 130	112	50 - 130	<0.005	ug/L	NC	30		
7316307	Endosulfan I (alpha)	2021/04/24	71	50 - 130	81	50 - 130	<0.005	ug/L	NC	30		
7316307	Endosulfan II (beta)	2021/04/24	87	50 - 130	85	50 - 130	<0.005	ug/L	NC	30		
7316307	Endrin aldehyde	2021/04/24	98	30 - 130	94	30 - 130	<0.005	ug/L	NC	40		
7316307	Endrin ketone	2021/04/24	110	30 - 130	106	30 - 130	<0.005	ug/L	NC	40		
7316307	Endrin	2021/04/24	107	50 - 130	102	50 - 130	<0.005	ug/L	NC	30		
7316307	g-Chlordane	2021/04/24	97	50 - 130	94	50 - 130	<0.005	ug/L	NC	30		



BUREAU  
VERITAS

BV Labs Job #: C1A3176  
Report Date: 2021/04/28

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7316307	Heptachlor epoxide	2021/04/24	98	50 - 130	99	50 - 130	<0.005	ug/L	NC	30		
7316307	Heptachlor	2021/04/24	89	50 - 130	84	50 - 130	<0.005	ug/L	NC	30		
7316307	Hexachlorobenzene	2021/04/24	83	50 - 130	88	50 - 130	<0.005	ug/L	NC	30		
7316307	Hexachlorobutadiene	2021/04/24	119	50 - 130	86	50 - 130	<0.009	ug/L	NC	30		
7316307	Hexachloroethane	2021/04/24	77	50 - 130	78	50 - 130	<0.01	ug/L	NC	30		
7316307	Lindane	2021/04/24	72	50 - 130	81	50 - 130	<0.003	ug/L	NC	30		
7316307	Methoxychlor	2021/04/24	121	50 - 130	111	50 - 130	<0.01	ug/L	NC	30		
7316307	Mirex	2021/04/24	105	30 - 130	96	30 - 130	<0.005	ug/L	NC	40		
7316307	o,p-DDD	2021/04/24	103	50 - 130	103	50 - 130	<0.005	ug/L	NC	30		
7316307	o,p-DDE	2021/04/24	108	50 - 130	102	50 - 130	<0.005	ug/L	NC	30		
7316307	o,p-DDT	2021/04/24	106	50 - 130	97	50 - 130	<0.005	ug/L	NC	30		
7316307	p,p-DDD	2021/04/24	99	50 - 130	101	50 - 130	<0.005	ug/L	NC	30		
7316307	p,p-DDE	2021/04/24	80	50 - 130	87	50 - 130	<0.005	ug/L	NC	30		
7316307	p,p-DDT	2021/04/24	117	50 - 130	100	50 - 130	<0.005	ug/L	NC	30		
7316307	Toxaphene	2021/04/24					<0.2	ug/L	NC	40		
7316347	1,2,3,4-Tetrachlorobenzene	2021/04/26	75	30 - 130	69	30 - 130	<0.50	ug/L	NC	40		
7316347	1,2,3,5-Tetrachlorobenzene	2021/04/26	100	30 - 130	76	30 - 130	<0.50	ug/L	NC	40		
7316347	1,2,3-Trichlorobenzene	2021/04/26	83	30 - 130	73	30 - 130	<0.50	ug/L	NC	40		
7316347	1,2,4,5-Tetrachlorobenzene	2021/04/26	71	30 - 130	72	30 - 130	<0.50	ug/L	NC	40		
7316347	1,2,4-Trichlorobenzene	2021/04/26	87	30 - 130	76	30 - 130	<0.50	ug/L	NC	40		
7316347	1,2-Dichlorobenzene	2021/04/26	74	30 - 130	72	30 - 130	<0.50	ug/L	NC	40		
7316347	1,3,5-Trichlorobenzene	2021/04/26	84	30 - 130	75	30 - 130	<0.50	ug/L	NC	40		
7316347	1,3-Dichlorobenzene	2021/04/26	73	30 - 130	68	30 - 130	<0.50	ug/L	NC	40		
7316347	1,4-Dichlorobenzene	2021/04/26	72	30 - 130	73	30 - 130	<0.50	ug/L	NC	40		
7316347	1-Chloronaphthalene	2021/04/26	58	30 - 130	68	30 - 130	<1.0	ug/L	NC	40		
7316347	1-Methylnaphthalene	2021/04/26	120	30 - 130	105	30 - 130	<0.20	ug/L	NC	40		
7316347	2,3,4,5-Tetrachlorophenol	2021/04/26	105	10 - 130	88	10 - 130	<0.40	ug/L	NC	40		
7316347	2,3,4,6-Tetrachlorophenol	2021/04/26	114	10 - 130	100	10 - 130	<0.50	ug/L	NC	40		
7316347	2,3,4-Trichlorophenol	2021/04/26	95	10 - 130	87	10 - 130	<0.50	ug/L	NC	40		
7316347	2,3,5,6-Tetrachlorophenol	2021/04/26	79	10 - 130	84	10 - 130	<0.50	ug/L	NC	40		
7316347	2,3,5-Trichlorophenol	2021/04/26	96	10 - 130	93	10 - 130	<0.50	ug/L	NC	40		



BUREAU  
VERITAS

BV Labs Job #: C1A3176  
Report Date: 2021/04/28

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7316347	2,3,6-Trichlorophenol	2021/04/26	95	10 - 130	87	10 - 130	<0.50	ug/L	NC	40		
7316347	2,3-Dichlorophenol	2021/04/26	104	10 - 130	83	10 - 130	<0.50	ug/L	NC	40		
7316347	2,4,5-Trichlorophenol	2021/04/26	106	10 - 130	97	10 - 130	<0.50	ug/L	NC	40		
7316347	2,4,6-Trichlorophenol	2021/04/26	91	10 - 130	92	10 - 130	<0.50	ug/L	NC	40		
7316347	2,4-Dichlorophenol	2021/04/26	89	10 - 130	82	10 - 130	<0.30	ug/L	NC	40		
7316347	2,4-Dimethylphenol	2021/04/26	30	10 - 130	49	10 - 130	<0.50	ug/L	NC	40		
7316347	2,4-Dinitrophenol	2021/04/26	109	10 - 130	75	10 - 130	<2.0	ug/L	NC	40		
7316347	2,4-Dinitrotoluene	2021/04/26	107	30 - 130	96	30 - 130	<0.50	ug/L	NC	40		
7316347	2,5-Dichlorophenol	2021/04/26	112	10 - 130	86	10 - 130	<0.50	ug/L	NC	40		
7316347	2,6-Dichlorophenol	2021/04/26	96	10 - 130	89	10 - 130	<0.50	ug/L	NC	40		
7316347	2,6-Dinitrotoluene	2021/04/26	103	30 - 130	82	30 - 130	<0.50	ug/L	NC	40		
7316347	2-Chloronaphthalene	2021/04/26	97	30 - 130	81	30 - 130	<0.50	ug/L	NC	40		
7316347	2-Chlorophenol	2021/04/26	92	10 - 130	83	10 - 130	<0.30	ug/L	NC	40		
7316347	2-Methylnaphthalene	2021/04/26	116	30 - 130	99	30 - 130	<0.20	ug/L	NC	40		
7316347	2-Nitrophenol	2021/04/26	126	10 - 130	85	10 - 130	<0.50	ug/L	NC	40		
7316347	3,3'-Dichlorobenzidine	2021/04/26	77	30 - 130	39	30 - 130	<0.50	ug/L	NC	40		
7316347	3,4,5-Trichlorophenol	2021/04/26	93	10 - 130	88	10 - 130	<0.50	ug/L	NC	40		
7316347	3,4-Dichlorophenol	2021/04/26	107	10 - 130	96	10 - 130	<0.50	ug/L	NC	40		
7316347	3,5-Dichlorophenol	2021/04/26	100	10 - 130	109	10 - 130	<0.50	ug/L	NC	40		
7316347	4,6-Dinitro-2-methylphenol	2021/04/26	119	10 - 130	109	10 - 130	<2.0	ug/L	NC	40		
7316347	4-Bromophenyl phenyl ether	2021/04/26	96	30 - 130	88	30 - 130	<0.30	ug/L	NC	40		
7316347	4-Chloro-3-Methylphenol	2021/04/26	107	10 - 130	86	10 - 130	<0.50	ug/L	NC	40		
7316347	4-Chlorophenyl phenyl ether	2021/04/26	100	30 - 130	84	30 - 130	<0.50	ug/L	NC	40		
7316347	4-Nitrophenol	2021/04/26	25	10 - 130	36	10 - 130	<1.4	ug/L	NC	40		
7316347	5-Nitroacenaphthene	2021/04/26	95	30 - 130	77	30 - 130	<1.0	ug/L	NC	40		
7316347	Acenaphthene	2021/04/26	108	30 - 130	109	30 - 130	<0.20	ug/L	NC	40		
7316347	Acenaphthylene	2021/04/26	110	30 - 130	107	30 - 130	<0.20	ug/L	NC	40		
7316347	Anthracene	2021/04/26	111	30 - 130	108	30 - 130	<0.20	ug/L	NC	40		
7316347	Benzo(a)anthracene	2021/04/26	127	30 - 130	122	30 - 130	<0.20	ug/L	NC	40		
7316347	Benzo(a)pyrene	2021/04/26	109	30 - 130	107	30 - 130	<0.20	ug/L	NC	40		
7316347	Benzo(b)j]fluoranthene	2021/04/26	121	30 - 130	107	30 - 130	<0.20	ug/L	NC	40		



BUREAU  
VERITAS

BV Labs Job #: C1A3176  
Report Date: 2021/04/28

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7316347	Benzo(g,h,i)perylene	2021/04/26	123	30 - 130	107	30 - 130	<0.20	ug/L	NC	40		
7316347	Benzo(k)fluoranthene	2021/04/26	128	30 - 130	129	30 - 130	<0.20	ug/L	NC	40		
7316347	Benzyl butyl phthalate	2021/04/26	106	30 - 130	59	30 - 130	<0.50	ug/L	NC	40		
7316347	Biphenyl	2021/04/26	86	30 - 130	83	30 - 130	<0.50	ug/L	NC	40		
7316347	Bis(2-chloroethoxy)methane	2021/04/26	74	30 - 130	78	30 - 130	<0.50	ug/L	NC	40		
7316347	Bis(2-chloroethyl)ether	2021/04/26	82	30 - 130	84	30 - 130	<0.50	ug/L	NC	40		
7316347	Bis(2-chloroisopropyl)ether	2021/04/26	76	30 - 130	73	30 - 130	<0.50	ug/L	NC	40		
7316347	Bis(2-ethylhexyl)phthalate	2021/04/26	103	30 - 130	58	30 - 130	<2.0	ug/L	NC	40		
7316347	Chrysene	2021/04/26	130	30 - 130	114	30 - 130	<0.20	ug/L	NC	40		
7316347	Dibenzo(a,h)anthracene	2021/04/26	124	30 - 130	107	30 - 130	<0.20	ug/L	NC	40		
7316347	Diethyl phthalate	2021/04/26	99	30 - 130	88	30 - 130	<1.0	ug/L	NC	40		
7316347	Dimethyl phthalate	2021/04/26	94	30 - 130	90	30 - 130	<1.0	ug/L	NC	40		
7316347	Di-N-butyl phthalate	2021/04/26	98	30 - 130	91	30 - 130	<2.0	ug/L	NC	40		
7316347	di-n-octyl phthalate	2021/04/26	102	30 - 130	63	30 - 130	<0.80	ug/L	NC	40		
7316347	Diphenyl Ether	2021/04/26	79	30 - 130	70	30 - 130	<0.30	ug/L	NC	40		
7316347	Fluoranthene	2021/04/26	134 (2)	30 - 130	122	30 - 130	<0.20	ug/L	NC	40		
7316347	Fluorene	2021/04/26	125	30 - 130	110	30 - 130	<0.20	ug/L	NC	40		
7316347	Hexachlorobenzene	2021/04/26	92	30 - 130	89	30 - 130	<0.50	ug/L	NC	40		
7316347	Hexachlorobutadiene	2021/04/26	74	30 - 130	63	30 - 130	<0.40	ug/L	NC	40		
7316347	Hexachlorocyclopentadiene	2021/04/26	66	30 - 130	79	30 - 130	<2.0	ug/L	NC	40		
7316347	Hexachloroethane	2021/04/26	64	30 - 130	65	30 - 130	<0.50	ug/L	NC	40		
7316347	Indeno(1,2,3-cd)pyrene	2021/04/26	127	30 - 130	100	30 - 130	<0.20	ug/L	NC	40		
7316347	Isophorone	2021/04/26	99	30 - 130	101	30 - 130	<0.50	ug/L	NC	40		
7316347	m/p-Cresol	2021/04/26	67	10 - 130	69	10 - 130	<0.50	ug/L	NC	40		
7316347	Naphthalene	2021/04/26	94	30 - 130	92	30 - 130	<0.20	ug/L	NC	40		
7316347	Nitrobenzene	2021/04/26	104	30 - 130	88	30 - 130	<0.50	ug/L	NC	40		
7316347	Nitrosodiphenylamine/Diphenylamine	2021/04/26	118	30 - 130	111	30 - 130	<1.0	ug/L	NC	40		
7316347	N-Nitroso-di-n-propylamine	2021/04/26	81	30 - 130	96	30 - 130	<0.50	ug/L	NC	40		
7316347	o-Cresol	2021/04/26	64	10 - 130	71	10 - 130	<0.50	ug/L	NC	40		
7316347	p-Chloroaniline	2021/04/26	75	30 - 130	77	30 - 130	<1.0	ug/L	NC	40		
7316347	Pentachlorobenzene	2021/04/26	85	30 - 130	77	30 - 130	<0.50	ug/L	NC	40		



BUREAU  
VERITAS

BV Labs Job #: C1A3176  
Report Date: 2021/04/28

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7316347	Pentachlorophenol	2021/04/26	63	10 - 130	67	10 - 130	<1.0	ug/L	NC	40		
7316347	Perylene	2021/04/26	97	30 - 130	98	30 - 130	<0.20	ug/L	NC	40		
7316347	Phenanthrene	2021/04/26	124	30 - 130	118	30 - 130	<0.20	ug/L	NC	40		
7316347	Phenol	2021/04/26	35	10 - 130	37	10 - 130	<0.50	ug/L	NC	40		
7316347	Pyrene	2021/04/26	129	30 - 130	129	30 - 130	<0.20	ug/L	NC	40		

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

(1) The recovery was below the lower control limit. This may represent a low bias in some results for this specific analyte.

(2) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.



BUREAU  
VERITAS

BV Labs Job #: C1A3176  
Report Date: 2021/04/28

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

---

Anastassia Hamanov, Scientific Specialist

---

---

BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.





INVOICE TO:		REPORT TO:		PROJECT INFORMATION:		Laboratory Use Only:	
Company Name: #16786 Terrapure Environmental		Company Name: Brad Mullin - GHD Reporting		Quotation #: B60569		BV Labs Job #:	
Attention: Accounting		Address: 65 Green Mountain Rd West Stoney Creek ON L8J 1X5		P.O. #:		Bottle Order #:	
Tel: (905) 561-0305 Fax: (905) 561-1674		Tel:		Project: GW		COC #:	
Email: kbailey@terrapureenv.com		Email: bmullin@terrapureenv.com; dtaylor2@terrapureenv.com		Project Name: GW		Project Manager: Jolanta Goralczyk	
				Site #:		C#819873-04-01	
				Sampled By:			

MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BV LABS DRINKING WATER CHAIN OF CUSTODY						ANALYSIS REQUESTED (PLEASE BE SPECIFIC)										Turnaround Time (TAT) Required: Please provide advance notice for rush projects										
Regulation 153 (2011)		Other Regulations		Special Instructions		Field Filtered (please circle): Metals / Hg / Cr / VI	List 'A' GW Monitoring	List 'B' GW Monitoring	Biochemical Oxygen Demand (BOD)											Regular (Standard) TAT: (will be applied if Rush TAT is not specified). Standard TAT = 5-7 Working days for most tests. Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.	Job Specific Rush TAT (if applies to entire submission) Date Required: _____ Time Required: _____ Rush Confirmation Number: _____ (call lab for #)					
Table 1	Res/Park	Medium/Fine	CCME	Sanitary Sewer Bylaw																						
1		35-IV	Apr 16/21	AM	GW	Y	✓	✓																	14	
2		35-V			GW	Y	✓	✓																	14	
3		35-VI			GW	Y	✓	✓																	14	
4		35-VII			GW	Y	✓	✓																	14	
5		<del>35-III</del>			GW	Y	✓	✓																	14	
6		<del>2-II</del>			GW	Y	✓																		6	
7		<del>35-III</del>			GW		✓																			
8		<del>35-III</del>			GW		✓																			
9		<del>35-III</del>			GW		✓																			
10		<del>35-III</del>			GW		✓																			

19-Apr-21 15:25  
Jolanta Goralczyk  
C1A3176  
GID ENV-995

RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Laboratory Use Only		
<i>[Signature]</i>	21/04/19	AM	<i>[Signature]</i>	22/10/19	1525		Time Sensitive	Temperature (°C) on Receipt	Custody Seal Present
								<i>[Signature]</i>	Yes
								Intact	No

\* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BV LABS' STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVLABS.COM/TERMS-AND-CONDITIONS.  
\* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.  
\* SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVLABS.COM/RESOURCES/CHAIN-OF-CUSTODY-FORMS.  
SAMPLES MUST BE KEPT COOL (< 10° C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS  
White: BV Labs Yellow: Client





Your Project #: GW

**Attention: Brad Mullin - GHD Reporting**

Terrapure Environmental  
65 Green Mountain Rd West  
Stoney Creek, ON  
CANADA L8J 1X5

Your C.O.C. #: 819873-05-01, 819873-06-01, 819873-07-01

**Report Date: 2021/04/29**  
Report #: R6614634  
Version: 1 - Final

**CERTIFICATE OF ANALYSIS**

**BV LABS JOB #: C1A4424**

**Received: 2021/04/20, 15:00**

Sample Matrix: Water  
# Samples Received: 25

<b>Analyses</b>	<b>Quantity</b>	<b>Date Extracted</b>	<b>Date Analyzed</b>	<b>Laboratory Method</b>	<b>Analytical Method</b>
ABN Compounds in Water by GC/MS	1	2021/04/23	2021/04/26	CAM SOP-00301	EPA 8270 m
ABN Compounds in Water by GC/MS	8	2021/04/23	2021/04/27	CAM SOP-00301	EPA 8270 m
Alkalinity	25	N/A	2021/04/22	CAM SOP-00448	SM 23 2320 B m
Anions	25	N/A	2021/04/22	CAM SOP-00435	SM 23 4110 B m
Biochemical Oxygen Demand (BOD)	1	2021/04/21	2021/04/26	CAM SOP-00427	SM 23 5210B m
Conductivity	25	N/A	2021/04/22	CAM SOP-00414	SM 23 2510 m
Fluoride	25	2021/04/21	2021/04/22	CAM SOP-00449	SM 23 4500-F C m
Hardness (calculated as CaCO3)	20	N/A	2021/04/27	CAM SOP 00102/00408/00447	SM 2340 B
Hardness (calculated as CaCO3)	5	N/A	2021/04/28	CAM SOP 00102/00408/00447	SM 2340 B
Dissolved Metals by ICPMS	3	N/A	2021/04/26	CAM SOP-00447	EPA 6020B m
Dissolved Metals by ICPMS	20	N/A	2021/04/27	CAM SOP-00447	EPA 6020B m
Dissolved Metals by ICPMS	2	N/A	2021/04/28	CAM SOP-00447	EPA 6020B m
Total Ammonia-N	25	N/A	2021/04/23	CAM SOP-00441	USGS I-2522-90 m
Nitrate (NO3) and Nitrite (NO2) in Water (1)	24	N/A	2021/04/22	CAM SOP-00440	SM 23 4500-NO3I/NO2B
Nitrate (NO3) and Nitrite (NO2) in Water (1)	1	N/A	2021/04/23	CAM SOP-00440	SM 23 4500-NO3I/NO2B
OC Pesticides (Selected) & PCB (2)	9	2021/04/26	2021/04/28	CAM SOP-00307	EPA 8081A/8082B m
OC Pesticides Summed Parameters	9	N/A	2021/04/22	CAM SOP-00307	EPA 8081A/8082B m
pH	25	2021/04/21	2021/04/22	CAM SOP-00413	SM 4500H+ B m
Phenols (4AAP)	14	N/A	2021/04/23	CAM SOP-00444	OMOE E3179 m
Phenols (4AAP)	10	N/A	2021/04/24	CAM SOP-00444	OMOE E3179 m
Phenols (4AAP)	1	N/A	2021/04/26	CAM SOP-00444	OMOE E3179 m
Orthophosphate	25	N/A	2021/04/22	CAM SOP-00461	EPA 365.1 m
Total Dissolved Solids	20	2021/04/21	2021/04/22	CAM SOP-00428	SM 23 2540C m
Total Dissolved Solids	5	2021/04/22	2021/04/23	CAM SOP-00428	SM 23 2540C m
Total Kjeldahl Nitrogen in Water	8	2021/04/22	2021/04/22	CAM SOP-00938	OMOE E3516 m
Total Kjeldahl Nitrogen in Water	17	2021/04/22	2021/04/23	CAM SOP-00938	OMOE E3516 m



Your Project #: GW

**Attention: Brad Mullin - GHD Reporting**

Terrapure Environmental  
65 Green Mountain Rd West  
Stoney Creek, ON  
CANADA L8J 1X5

Your C.O.C. #: 819873-05-01, 819873-06-01, 819873-07-01

**Report Date: 2021/04/29**

Report #: R6614634

Version: 1 - Final

**CERTIFICATE OF ANALYSIS**

**BV LABS JOB #: C1A4424**

**Received: 2021/04/20, 15:00**

Sample Matrix: Water  
# Samples Received: 25

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Total Organic Carbon (TOC) (3)	8	N/A	2021/04/22	CAM SOP-00446	SM 23 5310B m
Total Organic Carbon (TOC) (3)	17	N/A	2021/04/23	CAM SOP-00446	SM 23 5310B m
Volatile Organic Compounds in Water	9	N/A	2021/04/21	CAM SOP-00226	EPA 8260C m
Non-Routine Volatile Organic Compounds	9	N/A	2021/04/21	CAM SOP-00226	EPA 8260 m

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

\* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) Values for calculated parameters may not appear to add up due to rounding of raw data and significant figures.

(2) Chlordane ( Total) = Alpha Chlordane + Gamma Chlordane

(3) Total Organic Carbon (TOC) present in the sample should be considered as non-purgeable TOC.

Encryption Key



**AUTHORIZED REPORT  
RAPPORT AUTORISÉ**

Bureau Veritas

29 Apr 2021 15:37:19

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

Jolanta Goralczyk, Project Manager

Email: Jolanta.Goralczyk@bureauveritas.com

Phone# (905)817-5751

=====  
This report has been generated and distributed using a secure automated process.

BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



BUREAU  
VERITAS

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PJD174			PJD174			PJD175		
Sampling Date		2021/04/19			2021/04/19			2021/04/19		
COC Number		819873-05-01			819873-05-01			819873-05-01		
	UNITS	68-I	RDL	QC Batch	68-I Lab-Dup	RDL	QC Batch	68-II	RDL	QC Batch

Calculated Parameters										
Hardness (CaCO3)	mg/L	2300	1.0	7308542				1900	1.0	7308542
Inorganics										
Total Ammonia-N	mg/L	15	0.050	7312832				0.76	0.050	7313069
Conductivity	umho/cm	7000	1.0	7311663				3700	1.0	7311689
Total Dissolved Solids	mg/L	4860	20	7310302				2530	10	7310302
Fluoride (F-)	mg/L	0.85	0.10	7311644				0.36	0.10	7311669
Total Kjeldahl Nitrogen (TKN)	mg/L	15	1.0	7312827				1.0	0.10	7313066
Total Organic Carbon (TOC)	mg/L	3.8	0.40	7313080				2.1	0.40	7313080
Orthophosphate (P)	mg/L	<0.010	0.010	7311737				<0.010	0.010	7311737
pH	pH	7.39		7311667				7.39		7311686
Phenols-4AAP	mg/L	<0.0010	0.0010	7310225				<0.0010	0.0010	7310244
Alkalinity (Total as CaCO3)	mg/L	210	1.0	7311654				290	1.0	7311688
Nitrite (N)	mg/L	<0.010	0.010	7311742	<0.010	0.010	7311742	<0.010	0.010	7311742
Dissolved Chloride (Cl-)	mg/L	1400	10	7311766				550	10	7311769
Nitrate (N)	mg/L	<0.10	0.10	7311742	<0.10	0.10	7311742	0.10	0.10	7311742
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	7311742	<0.10	0.10	7311742	0.10	0.10	7311742
Dissolved Bromide (Br-)	mg/L	<10	10	7311766				<10	10	7311769
Dissolved Sulphate (SO4)	mg/L	1700	10	7311766				1200	10	7311769

RDL = Reportable Detection Limit  
 QC Batch = Quality Control Batch  
 Lab-Dup = Laboratory Initiated Duplicate



BUREAU  
VERITAS

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PJD175			PJD176			PJD177		
Sampling Date		2021/04/19			2021/04/19			2021/04/19		
COC Number		819873-05-01			819873-05-01			819873-05-01		
	UNITS	68-II Lab-Dup	RDL	QC Batch	68-III	RDL	QC Batch	58-I	RDL	QC Batch

Calculated Parameters										
Hardness (CaCO3)	mg/L				32	1.0	7308542	170	1.0	7308542
Inorganics										
Total Ammonia-N	mg/L				55 (1)	0.25	7312832	99	0.50	7312832
Total BOD	mg/L							450	2	7310024
Conductivity	umho/cm	3700	1.0	7311689	4400	1.0	7311663	8100	1.0	7311663
Total Dissolved Solids	mg/L				2190	10	7310302	4940	20	7310302
Fluoride (F-)	mg/L	0.33	0.10	7311669	1.9	0.10	7311644	7.2	0.10	7311644
Total Kjeldahl Nitrogen (TKN)	mg/L				54 (1)	5.0	7312827	110	5.0	7312827
Total Organic Carbon (TOC)	mg/L				35	0.40	7313080	410	4.0	7312732
Orthophosphate (P)	mg/L				0.041	0.010	7311737	0.056	0.010	7311737
pH	pH	7.39		7311686	9.34		7311667	11.7		7311667
Phenols-4AAP	mg/L				0.37	0.010	7310244	7.1	0.50	7310244
Alkalinity (Total as CaCO3)	mg/L	290	1.0	7311688	280	1.0	7311654	900	1.0	7311654
Nitrite (N)	mg/L				<0.010	0.010	7311742	<0.010	0.010	7311742
Dissolved Chloride (Cl-)	mg/L	550	10	7311769	1100	10	7311766	1600	20	7311766
Nitrate (N)	mg/L				<0.10	0.10	7311742	<0.10	0.10	7311742
Nitrate + Nitrite (N)	mg/L				<0.10	0.10	7311742	<0.10	0.10	7311742
Dissolved Bromide (Br-)	mg/L	<10	10	7311769	<10	10	7311766	<20	20	7311766
Dissolved Sulphate (SO4)	mg/L	1200	10	7311769	150	10	7311766	360	20	7311766

RDL = Reportable Detection Limit  
 QC Batch = Quality Control Batch  
 Lab-Dup = Laboratory Initiated Duplicate  
 (1) TKN < NH4: Both values fall within acceptable RPD limits for duplicates and are likely equivalent.



BUREAU  
VERITAS

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PJD178			PJD179			PJD180		
Sampling Date		2021/04/19			2021/04/19			2021/04/19		
COC Number		819873-05-01			819873-05-01			819873-05-01		
	UNITS	2-I	RDL	QC Batch	P11-I	RDL	QC Batch	P11-II	RDL	QC Batch
<b>Calculated Parameters</b>										
Hardness (CaCO3)	mg/L	760	1.0	7308542	2000	1.0	7308542	700	1.0	7308542
<b>Inorganics</b>										
Total Ammonia-N	mg/L	1.4	0.050	7312832	40 (1)	0.25	7312832	0.62	0.050	7312832
Conductivity	umho/cm	2400	1.0	7311663	8200	1.0	7311663	1700	1.0	7311663
Total Dissolved Solids	mg/L	1400	10	7310302	5740	20	7310302	1080	10	7313835
Fluoride (F-)	mg/L	0.51	0.10	7311644	0.99	0.10	7311644	0.44	0.10	7311644
Total Kjeldahl Nitrogen (TKN)	mg/L	1.5	0.10	7312827	39 (1)	2.0	7312827	0.69	0.10	7312827
Total Organic Carbon (TOC)	mg/L	2.0	0.40	7313080	6.6	0.40	7312732	1.6	0.40	7312732
Orthophosphate (P)	mg/L	<0.010	0.010	7311737	0.011	0.010	7311737	<0.010	0.010	7311737
pH	pH	7.66		7311667	7.46		7311667	7.72		7311667
Phenols-4AAP	mg/L	<0.0010	0.0010	7310244	<0.0010	0.0010	7310263	<0.0010	0.0010	7310244
Alkalinity (Total as CaCO3)	mg/L	370	1.0	7311654	160	1.0	7311654	320	1.0	7311654
Nitrite (N)	mg/L	<0.010	0.010	7311742	<0.010	0.010	7311742	<0.010	0.010	7311742
Dissolved Chloride (Cl-)	mg/L	290	5.0	7311766	1700	20	7311766	210	5.0	7311766
Nitrate (N)	mg/L	<0.10	0.10	7311742	<0.10	0.10	7311742	<0.10	0.10	7311742
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	7311742	<0.10	0.10	7311742	<0.10	0.10	7311742
Dissolved Bromide (Br-)	mg/L	<5.0	5.0	7311766	<20	20	7311766	<5.0	5.0	7311766
Dissolved Sulphate (SO4)	mg/L	520	5.0	7311766	1800	20	7311766	320	5.0	7311766

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

(1) TKN < NH4: Both values fall within acceptable RPD limits for duplicates and are likely equivalent.



BUREAU  
VERITAS

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PJD180			PJD181			PJD182		
Sampling Date		2021/04/19			2021/04/19			2021/04/19		
COC Number		819873-05-01			819873-05-01			819873-05-01		
	UNITS	P11-II Lab-Dup	RDL	QC Batch	P11-III	RDL	QC Batch	44-I	RDL	QC Batch

Calculated Parameters										
Hardness (CaCO3)	mg/L				75	1.0	7308542	710	1.0	7308542
Inorganics										
Total Ammonia-N	mg/L	0.61	0.050	7312832	12	0.050	7312832	1.4	0.050	7312832
Conductivity	umho/cm				1600	1.0	7311663	2400	1.0	7311689
Total Dissolved Solids	mg/L				910	10	7313835	1460	10	7313190
Fluoride (F-)	mg/L				1.7	0.10	7311644	0.48	0.10	7311669
Total Kjeldahl Nitrogen (TKN)	mg/L				13	1.0	7312827	1.5	0.10	7312827
Total Organic Carbon (TOC)	mg/L				24	0.40	7313080	1.8	0.40	7312732
Orthophosphate (P)	mg/L				<0.010	0.010	7311737	<0.010	0.010	7311726
pH	pH				9.73		7311667	7.69		7311686
Phenols-4AAP	mg/L				0.18	0.010	7310244	<0.0010	0.0010	7310244
Alkalinity (Total as CaCO3)	mg/L				64	1.0	7311654	360	1.0	7311688
Nitrite (N)	mg/L				<0.010	0.010	7311742	<0.010	0.010	7311747
Dissolved Chloride (Cl-)	mg/L				210	5.0	7311766	280	5.0	7311769
Nitrate (N)	mg/L				<0.10	0.10	7311742	<0.10	0.10	7311747
Nitrate + Nitrite (N)	mg/L				<0.10	0.10	7311742	<0.10	0.10	7311747
Dissolved Bromide (Br-)	mg/L				<5.0	5.0	7311766	<5.0	5.0	7311769
Dissolved Sulphate (SO4)	mg/L				380	5.0	7311766	510	5.0	7311769

RDL = Reportable Detection Limit  
 QC Batch = Quality Control Batch  
 Lab-Dup = Laboratory Initiated Duplicate



BUREAU  
VERITAS

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PJD182			PJD183			PJD184		
Sampling Date		2021/04/19			2021/04/19			2021/04/19		
COC Number		819873-05-01			819873-05-01			819873-06-01		
	UNITS	44-I Lab-Dup	RDL	QC Batch	44-II	RDL	QC Batch	76-I	RDL	QC Batch

Calculated Parameters										
Hardness (CaCO3)	mg/L				430	1.0	7308542	33000	1.0	7308542
Inorganics										
Total Ammonia-N	mg/L				<0.050	0.050	7312832	35	0.25	7312832
Conductivity	umho/cm				870	1.0	7311689	110000	1.0	7311663
Total Dissolved Solids	mg/L				520	10	7313835	86400	20	7310302
Fluoride (F-)	mg/L				0.23	0.10	7311669	0.18	0.10	7311644
Total Kjeldahl Nitrogen (TKN)	mg/L				0.13	0.10	7312827	38	1.0	7312827
Total Organic Carbon (TOC)	mg/L				1.7	0.40	7313080	10	0.40	7312732
Orthophosphate (P)	mg/L				<0.010	0.010	7311726	<0.010	0.010	7311737
pH	pH				7.75		7311686	6.88		7311667
Phenols-4AAP	mg/L	<0.0010	0.0010	7310244	<0.0010	0.0010	7310263	<0.010 (1)	0.010	7310263
Alkalinity (Total as CaCO3)	mg/L				320	1.0	7311688	160	1.0	7311654
Nitrite (N)	mg/L				<0.010	0.010	7311747	<0.10	0.10	7311742
Dissolved Chloride (Cl-)	mg/L				32	1.0	7311769	51000	200	7311766
Nitrate (N)	mg/L				<0.10	0.10	7311747	<1.0	1.0	7311742
Nitrate + Nitrite (N)	mg/L				<0.10	0.10	7311747	<1.0	1.0	7311742
Dissolved Bromide (Br-)	mg/L				<1.0	1.0	7311769	610	20	7311766
Dissolved Sulphate (SO4)	mg/L				110	1.0	7311769	1000	20	7311766

RDL = Reportable Detection Limit  
 QC Batch = Quality Control Batch  
 Lab-Dup = Laboratory Initiated Duplicate  
 (1) Detection Limit was raised due to matrix interferences.



BUREAU  
VERITAS

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### RESULTS OF ANALYSES OF WATER

<b>BV Labs ID</b>		PJD185			PJD185			PJD186		
<b>Sampling Date</b>		2021/04/19			2021/04/19			2021/04/19		
<b>COC Number</b>		819873-06-01			819873-06-01			819873-06-01		
	<b>UNITS</b>	<b>76-II</b>	<b>RDL</b>	<b>QC Batch</b>	<b>76-II Lab-Dup</b>	<b>RDL</b>	<b>QC Batch</b>	<b>76-III</b>	<b>RDL</b>	<b>QC Batch</b>

<b>Calculated Parameters</b>										
Hardness (CaCO3)	mg/L	370	1.0	7308542				380	1.0	7308542
<b>Inorganics</b>										
Total Ammonia-N	mg/L	<0.050	0.050	7312832				<0.050	0.050	7313069
Conductivity	umho/cm	1400	1.0	7311663	1400	1.0	7311663	1300	1.0	7311689
Total Dissolved Solids	mg/L	760	10	7310302				735	10	7310302
Fluoride (F-)	mg/L	0.27	0.10	7311644	0.25	0.10	7311644	0.24	0.10	7311669
Total Kjeldahl Nitrogen (TKN)	mg/L	0.14	0.10	7312827				0.14	0.10	7313066
Total Organic Carbon (TOC)	mg/L	3.2	0.40	7313080				2.7	0.40	7313080
Orthophosphate (P)	mg/L	<0.010	0.010	7311737				<0.010	0.010	7311726
pH	pH	7.77		7311667	7.74		7311667	7.75		7311686
Phenols-4AAP	mg/L	<0.0010	0.0010	7310263				<0.0010	0.0010	7310244
Alkalinity (Total as CaCO3)	mg/L	420	1.0	7311654	420	1.0	7311654	380	1.0	7311688
Nitrite (N)	mg/L	<0.010	0.010	7311742				<0.010	0.010	7311747
Dissolved Chloride (Cl-)	mg/L	100	1.0	7311766	100	1.0	7311766	98	1.0	7311769
Nitrate (N)	mg/L	<0.10	0.10	7311742				<0.10	0.10	7311747
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	7311742				<0.10	0.10	7311747
Dissolved Bromide (Br-)	mg/L	<1.0	1.0	7311766	<1.0	1.0	7311766	<1.0	1.0	7311769
Dissolved Sulphate (SO4)	mg/L	180	1.0	7311766	180	1.0	7311766	170	1.0	7311769

RDL = Reportable Detection Limit  
 QC Batch = Quality Control Batch  
 Lab-Dup = Laboratory Initiated Duplicate





BUREAU  
VERITAS

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PJD187			PJD187			PJD188		
Sampling Date		2021/04/19			2021/04/19			2021/04/19		
COC Number		819873-06-01			819873-06-01			819873-06-01		
	UNITS	45-I	RDL	QC Batch	45-I Lab-Dup	RDL	QC Batch	45-II	RDL	QC Batch

Calculated Parameters										
Hardness (CaCO3)	mg/L	420	1.0	7308542				320	1.0	7308542
Inorganics										
Total Ammonia-N	mg/L	0.081	0.050	7313069				0.051	0.050	7312832
Conductivity	umho/cm	880	1.0	7311663				750	1.0	7311689
Total Dissolved Solids	mg/L	480	10	7310302	480	10	7310302	410	10	7310302
Fluoride (F-)	mg/L	0.24	0.10	7311644				0.20	0.10	7311669
Total Kjeldahl Nitrogen (TKN)	mg/L	0.17	0.10	7313066				0.14	0.10	7312827
Total Organic Carbon (TOC)	mg/L	0.91	0.40	7313080				1.9	0.40	7312732
Orthophosphate (P)	mg/L	<0.010	0.010	7311737				<0.010	0.010	7311726
pH	pH	7.78		7311667				7.82		7311686
Phenols-4AAP	mg/L	<0.0010	0.0010	7310279				<0.0010	0.0010	7310244
Alkalinity (Total as CaCO3)	mg/L	300	1.0	7311654				240	1.0	7311688
Nitrite (N)	mg/L	<0.010	0.010	7311742				<0.010	0.010	7311747
Dissolved Chloride (Cl-)	mg/L	46	1.0	7311766				60	1.0	7311769
Nitrate (N)	mg/L	<0.10	0.10	7311742				<0.10	0.10	7311747
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	7311742				<0.10	0.10	7311747
Dissolved Bromide (Br-)	mg/L	<1.0	1.0	7311766				<1.0	1.0	7311769
Dissolved Sulphate (SO4)	mg/L	100	1.0	7311766				53	1.0	7311769

RDL = Reportable Detection Limit  
 QC Batch = Quality Control Batch  
 Lab-Dup = Laboratory Initiated Duplicate



BUREAU  
VERITAS

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PJD189			PJD189			PJD190		
Sampling Date		2021/04/19			2021/04/19			2021/04/19		
COC Number		819873-06-01			819873-06-01			819873-06-01		
	UNITS	14-I	RDL	QC Batch	14-I Lab-Dup	RDL	QC Batch	42-II	RDL	QC Batch

Calculated Parameters										
Hardness (CaCO3)	mg/L	350	1.0	7308542				1800	1.0	7308542
Inorganics										
Total Ammonia-N	mg/L	<0.050	0.050	7312832				11	0.050	7312832
Conductivity	umho/cm	840	1.0	7311663				4400	1.0	7311689
Total Dissolved Solids	mg/L	430	10	7310302				3290	10	7310302
Fluoride (F-)	mg/L	0.18	0.10	7311644				1.0	0.10	7311669
Total Kjeldahl Nitrogen (TKN)	mg/L	0.52	0.10	7312827				12	0.50	7312827
Total Organic Carbon (TOC)	mg/L	7.3	0.40	7312732				8.3	0.40	7312732
Orthophosphate (P)	mg/L	0.029	0.010	7311737				<0.010	0.010	7311726
pH	pH	7.81		7311667				7.52		7311686
Phenols-4AAP	mg/L	<0.0010	0.0010	7310279	<0.0010	0.0010	7310279	0.015	0.0020	7310279
Alkalinity (Total as CaCO3)	mg/L	190	1.0	7311654				140	1.0	7311688
Nitrite (N)	mg/L	<0.010	0.010	7311742				<0.010	0.010	7311747
Dissolved Chloride (Cl-)	mg/L	48	1.0	7311766				560	10	7311769
Nitrate (N)	mg/L	0.59	0.10	7311742				<0.10	0.10	7311747
Nitrate + Nitrite (N)	mg/L	0.59	0.10	7311742				<0.10	0.10	7311747
Dissolved Bromide (Br-)	mg/L	<1.0	1.0	7311766				<10	10	7311769
Dissolved Sulphate (SO4)	mg/L	180	1.0	7311766				1700	10	7311769

RDL = Reportable Detection Limit  
 QC Batch = Quality Control Batch  
 Lab-Dup = Laboratory Initiated Duplicate



BUREAU  
VERITAS

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PJD191			PJD192			PJD193		
Sampling Date		2021/04/19			2021/04/19			2021/04/19		
COC Number		819873-06-01			819873-06-01			819873-06-01		
	UNITS	42-III	RDL	QC Batch	31-I	RDL	QC Batch	31-III	RDL	QC Batch
<b>Calculated Parameters</b>										
Hardness (CaCO3)	mg/L	1300	1.0	7308542	36	1.0	7308542	230	1.0	7308542
<b>Inorganics</b>										
Total Ammonia-N	mg/L	5.4	0.050	7312832	230 (1)	1.0	7312832	8.7 (1)	0.050	7312832
Conductivity	umho/cm	3000	1.0	7311663	15000	1.0	7311663	2600	1.0	7311663
Total Dissolved Solids	mg/L	2460	10	7310302	7420	20	7310302	1400	10	7310302
Fluoride (F-)	mg/L	1.1	0.10	7311644	3.5	0.10	7311644	2.0	0.10	7311644
Total Kjeldahl Nitrogen (TKN)	mg/L	5.7	0.50	7312827	220 (1)	5.0	7312827	8.5 (1)	1.0	7312827
Total Organic Carbon (TOC)	mg/L	14	0.40	7312732	45	0.40	7312732	20	0.40	7313080
Orthophosphate (P)	mg/L	<0.010	0.010	7311737	0.28	0.010	7311737	0.017	0.010	7311737
pH	pH	7.70		7311667	9.80		7311667	7.72		7311667
Phenols-4AAP	mg/L	0.0011	0.0010	7310244	1.4	0.050	7310263	0.021	0.010	7310244
Alkalinity (Total as CaCO3)	mg/L	300	1.0	7311654	930	1.0	7311654	120	1.0	7311654
Nitrite (N)	mg/L	<0.010	0.010	7311742	0.017	0.010	7311742	<0.010	0.010	7311742
Dissolved Chloride (Cl-)	mg/L	460	5.0	7311766	4700	50	7311766	420	5.0	7311766
Nitrate (N)	mg/L	<0.10	0.10	7311742	<0.10	0.10	7311742	<0.10	0.10	7311742
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	7311742	<0.10	0.10	7311742	<0.10	0.10	7311742
Dissolved Bromide (Br-)	mg/L	<5.0	5.0	7311766	<50	50	7311766	<5.0	5.0	7311766
Dissolved Sulphate (SO4)	mg/L	670	5.0	7311766	73	50	7311766	470	5.0	7311766

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

(1) TKN < NH4: Both values fall within acceptable RPD limits for duplicates and are likely equivalent.



**BUREAU**  
**VERITAS**

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

**RESULTS OF ANALYSES OF WATER**

BV Labs ID		PJD194			PJD194			PJD195		
Sampling Date		2021/04/19			2021/04/19			2021/04/19		
COC Number		819873-07-01			819873-07-01			819873-07-01		
	UNITS	30-I	RDL	QC Batch	30-I Lab-Dup	RDL	QC Batch	30-II	RDL	QC Batch

<b>Calculated Parameters</b>										
Hardness (CaCO3)	mg/L	570	1.0	7308542				300	1.0	7308542
<b>Inorganics</b>										
Total Ammonia-N	mg/L	18	0.050	7312832				0.40	0.050	7313069
Conductivity	umho/cm	4200	1.0	7311663				1400	1.0	7311663
Total Dissolved Solids	mg/L	1600	10	7313835	1620	10	7313835	730	10	7310302
Fluoride (F-)	mg/L	0.80	0.10	7311644				1.8	0.10	7311644
Total Kjeldahl Nitrogen (TKN)	mg/L	20	1.0	7312827				0.77	0.10	7313066
Total Organic Carbon (TOC)	mg/L	92	0.40	7313080	90	0.40	7313080	13	0.40	7313080
Orthophosphate (P)	mg/L	<0.010	0.010	7311737				<0.010	0.010	7311737
pH	pH	12.0		7311667				9.98		7311667
Phenols-4AAP	mg/L	1.4	0.50	7310279				0.0026	0.0010	7310279
Alkalinity (Total as CaCO3)	mg/L	680	1.0	7311654				38	1.0	7311654
Nitrite (N)	mg/L	0.079	0.010	7311742				0.246	0.010	7311742
Dissolved Chloride (Cl-)	mg/L	460	5.0	7311766				69	1.0	7311766
Nitrate (N)	mg/L	<0.10	0.10	7311742				1.71	0.10	7311742
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	7311742				1.95	0.10	7311742
Dissolved Bromide (Br-)	mg/L	<5.0	5.0	7311766				<1.0	1.0	7311766
Dissolved Sulphate (SO4)	mg/L	82	5.0	7311766				500	1.0	7311766

RDL = Reportable Detection Limit  
 QC Batch = Quality Control Batch  
 Lab-Dup = Laboratory Initiated Duplicate



BUREAU  
VERITAS

BV Labs Job #: C1A4424

Report Date: 2021/04/29

Terrapure Environmental

Client Project #: GW

Sampler Initials: BM

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PJD196			PJD197			PJD197		
Sampling Date		2021/04/19			2021/04/19			2021/04/19		
COC Number		819873-07-01			819873-07-01			819873-07-01		
	UNITS	P1-I	RDL	QC Batch	P1-II	RDL	QC Batch	P1-II Lab-Dup	RDL	QC Batch

Calculated Parameters										
Hardness (CaCO3)	mg/L	1600	1.0	7308542	1500	1.0	7308542			
Inorganics										
Total Ammonia-N	mg/L	38 (1)	0.25	7313069	37 (1)	0.25	7312832			
Conductivity	umho/cm	6300	1.0	7311663	6200	1.0	7311663			
Total Dissolved Solids	mg/L	4390	20	7310302	3850	10	7310302			
Fluoride (F-)	mg/L	0.98	0.10	7311644	1.0	0.10	7311644			
Total Kjeldahl Nitrogen (TKN)	mg/L	34 (1)	2.0	7313066	36 (1)	2.0	7312827	35 (1)	2.0	7312827
Total Organic Carbon (TOC)	mg/L	7.4	0.40	7313080	7.9	0.40	7312732			
Orthophosphate (P)	mg/L	<0.010	0.010	7311737	<0.010	0.010	7311737			
pH	pH	7.49		7311667	7.72		7311667			
Phenols-4AAP	mg/L	<0.0010	0.0010	7310279	<0.0010	0.0010	7310263			
Alkalinity (Total as CaCO3)	mg/L	210	1.0	7311654	220	1.0	7311654			
Nitrite (N)	mg/L	<0.010	0.010	7311742	<0.010	0.010	7311742			
Dissolved Chloride (Cl-)	mg/L	1200	10	7311766	1200	10	7311766			
Nitrate (N)	mg/L	<0.10	0.10	7311742	<0.10	0.10	7311742			
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	7311742	<0.10	0.10	7311742			
Dissolved Bromide (Br-)	mg/L	<10	10	7311766	<10	10	7311766			
Dissolved Sulphate (SO4)	mg/L	1600	10	7311766	1400	10	7311766			

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

Lab-Dup = Laboratory Initiated Duplicate

(1) TKN < NH4: Both values fall within acceptable RPD limits for duplicates and are likely equivalent.



BUREAU  
VERITAS

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PJD198			PJD198		
Sampling Date		2021/04/19			2021/04/19		
COC Number		819873-07-01			819873-07-01		
	UNITS	P1-III	RDL	QC Batch	P1-III Lab-Dup	RDL	QC Batch
<b>Calculated Parameters</b>							
Hardness (CaCO3)	mg/L	530	1.0	7308542			
<b>Inorganics</b>							
Total Ammonia-N	mg/L	0.22	0.050	7312832			
Conductivity	umho/cm	1200	1.0	7311663			
Total Dissolved Solids	mg/L	760	10	7310302			
Fluoride (F-)	mg/L	1.1	0.10	7311644			
Total Kjeldahl Nitrogen (TKN)	mg/L	0.39	0.10	7312827			
Total Organic Carbon (TOC)	mg/L	4.7	0.40	7312732			
Orthophosphate (P)	mg/L	0.025	0.010	7311737	0.027	0.010	7311737
pH	pH	7.87		7311667			
Phenols-4AAP	mg/L	<0.0010	0.0010	7310263			
Alkalinity (Total as CaCO3)	mg/L	260	1.0	7311654			
Nitrite (N)	mg/L	<0.010	0.010	7311742			
Dissolved Chloride (Cl-)	mg/L	51	1.0	7311766			
Nitrate (N)	mg/L	0.46	0.10	7311742			
Nitrate + Nitrite (N)	mg/L	0.46	0.10	7311742			
Dissolved Bromide (Br-)	mg/L	<1.0	1.0	7311766			
Dissolved Sulphate (SO4)	mg/L	310	1.0	7311766			
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate							



BUREAU  
VERITAS

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

BV Labs ID		PJD174		PJD175		PJD176		PJD177		
Sampling Date		2021/04/19		2021/04/19		2021/04/19		2021/04/19		
COC Number		819873-05-01		819873-05-01		819873-05-01		819873-05-01		
	UNITS	68-I	RDL	68-II	RDL	68-III	RDL	58-I	RDL	QC Batch
<b>Metals</b>										
Dissolved Aluminum (Al)	ug/L	<25	25	<4.9	4.9	6.9	4.9	1100	4.9	7314788
Dissolved Antimony (Sb)	ug/L	<2.5	2.5	<0.50	0.50	<0.50	0.50	17	0.50	7314788
Dissolved Arsenic (As)	ug/L	<5.0	5.0	<1.0	1.0	2.3	1.0	87	1.0	7314788
Dissolved Barium (Ba)	ug/L	18	10	24	2.0	2.8	2.0	38	2.0	7314788
Dissolved Beryllium (Be)	ug/L	<2.0	2.0	<0.40	0.40	<0.40	0.40	<0.40	0.40	7314788
Dissolved Bismuth (Bi)	ug/L	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	7314788
Dissolved Boron (B)	ug/L	1000	50	690	10	700	10	530	10	7314788
Dissolved Cadmium (Cd)	ug/L	<0.45	0.45	<0.090	0.090	<0.090	0.090	<0.45	0.45	7314788
Dissolved Calcium (Ca)	ug/L	760000	1000	530000	1000	10000	200	67000	200	7314788
Dissolved Chromium (Cr)	ug/L	<25	25	<5.0	5.0	<5.0	5.0	<5.0	5.0	7314788
Dissolved Cobalt (Co)	ug/L	<2.5	2.5	<0.50	0.50	<0.50	0.50	1.8	0.50	7314788
Dissolved Copper (Cu)	ug/L	<4.5	4.5	<0.90	0.90	<0.90	0.90	<0.90	0.90	7314788
Dissolved Iron (Fe)	ug/L	<500	500	230	100	<100	100	<100	100	7314788
Dissolved Lead (Pb)	ug/L	<2.5	2.5	<0.50	0.50	<0.50	0.50	9.0	0.50	7314788
Dissolved Lithium (Li)	ug/L	170	25	80	5.0	22	5.0	84	5.0	7314788
Dissolved Magnesium (Mg)	ug/L	92000	250	140000	50	1500	50	<50	50	7314788
Dissolved Manganese (Mn)	ug/L	67	10	230	2.0	<2.0	2.0	<2.0	2.0	7314788
Dissolved Molybdenum (Mo)	ug/L	<2.5	2.5	<0.50	0.50	23	0.50	940	0.50	7314788
Dissolved Nickel (Ni)	ug/L	<5.0	5.0	5.6	1.0	4.6	1.0	170	1.0	7314788
Dissolved Phosphorus (P)	ug/L	<500	500	<100	100	<100	100	380	100	7314788
Dissolved Potassium (K)	ug/L	37000	1000	12000	200	42000	200	440000	1000	7314788
Dissolved Selenium (Se)	ug/L	<10	10	<2.0	2.0	5.9	2.0	3.2	2.0	7314788
Dissolved Silicon (Si)	ug/L	4100	250	3400	50	11000	50	14000	50	7314788
Dissolved Silver (Ag)	ug/L	<0.45	0.45	<0.090	0.090	<0.090	0.090	<0.090	0.090	7314788
Dissolved Sodium (Na)	ug/L	700000	500	100000	100	790000	500	1300000	500	7314788
Dissolved Strontium (Sr)	ug/L	9300	5.0	6900	1.0	320	1.0	350	1.0	7314788
Dissolved Tellurium (Te)	ug/L	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	7314788
Dissolved Thallium (Tl)	ug/L	<0.25	0.25	<0.050	0.050	<0.050	0.050	<0.050	0.050	7314788
Dissolved Tin (Sn)	ug/L	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	7314788
Dissolved Titanium (Ti)	ug/L	<25	25	<5.0	5.0	<5.0	5.0	<5.0	5.0	7314788
Dissolved Tungsten (W)	ug/L	<5.0	5.0	5.0	1.0	3.5	1.0	120	1.0	7314788
Dissolved Uranium (U)	ug/L	<0.50	0.50	1.2	0.10	<0.10	0.10	<0.10	0.10	7314788
Dissolved Vanadium (V)	ug/L	<2.5	2.5	<0.50	0.50	0.71	0.50	74	0.50	7314788
Dissolved Zinc (Zn)	ug/L	<25	25	<5.0	5.0	<5.0	5.0	<5.0	5.0	7314788
Dissolved Zirconium (Zr)	ug/L	<5.0	5.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	7314788
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										



BUREAU  
VERITAS

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

BV Labs ID		PJD178		PJD179			PJD180	PJD181		
Sampling Date		2021/04/19		2021/04/19			2021/04/19	2021/04/19		
COC Number		819873-05-01		819873-05-01			819873-05-01	819873-05-01		
	UNITS	2-I	RDL	P11-I	RDL	QC Batch	P11-II	P11-III	RDL	QC Batch
<b>Metals</b>										
Dissolved Aluminum (Al)	ug/L	19	4.9	<25	25	7314788	<4.9	<4.9	4.9	7314787
Dissolved Antimony (Sb)	ug/L	<0.50	0.50	<2.5	2.5	7314788	<0.50	<0.50	0.50	7314787
Dissolved Arsenic (As)	ug/L	<1.0	1.0	<5.0	5.0	7314788	<1.0	1.9	1.0	7314787
Dissolved Barium (Ba)	ug/L	20	2.0	20	10	7314788	11	14	2.0	7314787
Dissolved Beryllium (Be)	ug/L	<0.40	0.40	<2.0	2.0	7314788	<0.40	<0.40	0.40	7314787
Dissolved Bismuth (Bi)	ug/L	<1.0	1.0	<5.0	5.0	7314788	<1.0	<1.0	1.0	7314787
Dissolved Boron (B)	ug/L	200	10	1100	50	7314788	360	160	10	7314787
Dissolved Cadmium (Cd)	ug/L	<0.090	0.090	<0.45	0.45	7314788	<0.090	<0.090	0.090	7314787
Dissolved Calcium (Ca)	ug/L	240000	400	660000	1000	7314788	170000	30000	200	7314787
Dissolved Chromium (Cr)	ug/L	<5.0	5.0	<25	25	7314788	<5.0	<5.0	5.0	7314787
Dissolved Cobalt (Co)	ug/L	<0.50	0.50	<2.5	2.5	7314788	<0.50	<0.50	0.50	7314787
Dissolved Copper (Cu)	ug/L	<0.90	0.90	<4.5	4.5	7314788	<0.90	<0.90	0.90	7314787
Dissolved Iron (Fe)	ug/L	<100	100	<500	500	7314788	190	<100	100	7314787
Dissolved Lead (Pb)	ug/L	<0.50	0.50	<2.5	2.5	7314788	<0.50	<0.50	0.50	7314787
Dissolved Lithium (Li)	ug/L	45	5.0	240	25	7314788	82	18	5.0	7314787
Dissolved Magnesium (Mg)	ug/L	39000	50	82000	250	7314788	65000	380	50	7314787
Dissolved Manganese (Mn)	ug/L	33	2.0	61	10	7314788	47	<2.0	2.0	7314787
Dissolved Molybdenum (Mo)	ug/L	<0.50	0.50	<2.5	2.5	7314788	<0.50	25	0.50	7314787
Dissolved Nickel (Ni)	ug/L	<1.0	1.0	<5.0	5.0	7314788	<1.0	3.8	1.0	7314787
Dissolved Phosphorus (P)	ug/L	<100	100	<500	500	7314788	<100	<100	100	7314787
Dissolved Potassium (K)	ug/L	9800	200	56000	1000	7314788	9300	55000	200	7314787
Dissolved Selenium (Se)	ug/L	<2.0	2.0	<10	10	7314788	<2.0	<2.0	2.0	7314787
Dissolved Silicon (Si)	ug/L	3600	50	3900	250	7314788	3800	11000	50	7314787
Dissolved Silver (Ag)	ug/L	<0.090	0.090	<0.45	0.45	7314788	<0.090	<0.090	0.090	7314787
Dissolved Sodium (Na)	ug/L	210000	100	860000	500	7314788	87000	250000	100	7314787
Dissolved Strontium (Sr)	ug/L	9800	1.0	8000	5.0	7314788	4700	650	1.0	7314787
Dissolved Tellurium (Te)	ug/L	<1.0	1.0	<5.0	5.0	7314788	<1.0	<1.0	1.0	7314787
Dissolved Thallium (Tl)	ug/L	<0.050	0.050	<0.25	0.25	7314788	<0.050	<0.050	0.050	7314787
Dissolved Tin (Sn)	ug/L	<1.0	1.0	<5.0	5.0	7314788	<1.0	<1.0	1.0	7314787
Dissolved Titanium (Ti)	ug/L	<5.0	5.0	<25	25	7314788	<5.0	<5.0	5.0	7314787
Dissolved Tungsten (W)	ug/L	<1.0	1.0	<5.0	5.0	7314788	<1.0	8.7	1.0	7314787
Dissolved Uranium (U)	ug/L	<0.10	0.10	<0.50	0.50	7314788	<0.10	<0.10	0.10	7314787
Dissolved Vanadium (V)	ug/L	<0.50	0.50	<2.5	2.5	7314788	<0.50	0.56	0.50	7314787
Dissolved Zinc (Zn)	ug/L	<5.0	5.0	<25	25	7314788	<5.0	<5.0	5.0	7314787
Dissolved Zirconium (Zr)	ug/L	<1.0	1.0	<5.0	5.0	7314788	<1.0	<1.0	1.0	7314787
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										





BUREAU  
VERITAS

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

BV Labs ID		PJD182	PJD182		PJD183		PJD184		
Sampling Date		2021/04/19	2021/04/19		2021/04/19		2021/04/19		
COC Number		819873-05-01	819873-05-01		819873-05-01		819873-06-01		
	UNITS	44-I	44-I Lab-Dup	RDL	44-II	RDL	76-I	RDL	QC Batch
<b>Metals</b>									
Dissolved Aluminum (Al)	ug/L	<4.9	<4.9	4.9	<4.9	4.9	<250	250	7314788
Dissolved Antimony (Sb)	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<25	25	7314788
Dissolved Arsenic (As)	ug/L	<1.0	<1.0	1.0	<1.0	1.0	<50	50	7314788
Dissolved Barium (Ba)	ug/L	20	19	2.0	41	2.0	<100	100	7314788
Dissolved Beryllium (Be)	ug/L	<0.40	<0.40	0.40	<0.40	0.40	<20	20	7314788
Dissolved Bismuth (Bi)	ug/L	<1.0	<1.0	1.0	<1.0	1.0	<50	50	7314788
Dissolved Boron (B)	ug/L	190	200	10	34	10	7400	500	7314788
Dissolved Cadmium (Cd)	ug/L	<0.090	<0.090	0.090	<0.090	0.090	<4.5	4.5	7314788
Dissolved Calcium (Ca)	ug/L	220000	230000	400	110000	200	9500000	10000	7314788
Dissolved Chromium (Cr)	ug/L	<5.0	<5.0	5.0	<5.0	5.0	<250	250	7314788
Dissolved Cobalt (Co)	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<25	25	7314788
Dissolved Copper (Cu)	ug/L	<0.90	<0.90	0.90	<0.90	0.90	<45	45	7314788
Dissolved Iron (Fe)	ug/L	<100	<100	100	<100	100	<5000	5000	7314788
Dissolved Lead (Pb)	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<25	25	7314788
Dissolved Lithium (Li)	ug/L	48	48	5.0	21	5.0	18000	250	7314788
Dissolved Magnesium (Mg)	ug/L	37000	38000	50	39000	50	2300000	2500	7314788
Dissolved Manganese (Mn)	ug/L	32	32	2.0	30	2.0	1200	100	7314788
Dissolved Molybdenum (Mo)	ug/L	<0.50	<0.50	0.50	0.72	0.50	<25	25	7314788
Dissolved Nickel (Ni)	ug/L	<1.0	<1.0	1.0	1.3	1.0	<50	50	7314788
Dissolved Phosphorus (P)	ug/L	<100	<100	100	<100	100	<5000	5000	7314788
Dissolved Potassium (K)	ug/L	9300	9400	200	2100	200	230000	10000	7314788
Dissolved Selenium (Se)	ug/L	<2.0	<2.0	2.0	<2.0	2.0	<100	100	7314788
Dissolved Silicon (Si)	ug/L	3400	3400	50	6000	50	4000	2500	7314788
Dissolved Silver (Ag)	ug/L	<0.090	<0.090	0.090	<0.090	0.090	<4.5	4.5	7314788
Dissolved Sodium (Na)	ug/L	200000	200000	100	20000	100	14000000	5000	7314788
Dissolved Strontium (Sr)	ug/L	9700	9700	1.0	1000	1.0	180000	50	7314788
Dissolved Tellurium (Te)	ug/L	<1.0	<1.0	1.0	<1.0	1.0	<50	50	7314788
Dissolved Thallium (Tl)	ug/L	<0.050	<0.050	0.050	<0.050	0.050	<2.5	2.5	7314788
Dissolved Tin (Sn)	ug/L	<1.0	<1.0	1.0	<1.0	1.0	<50	50	7314788
Dissolved Titanium (Ti)	ug/L	<5.0	<5.0	5.0	<5.0	5.0	<250	250	7314788
Dissolved Tungsten (W)	ug/L	<1.0	<1.0	1.0	<1.0	1.0	<50	50	7314788
Dissolved Uranium (U)	ug/L	<0.10	<0.10	0.10	1.5	0.10	<5.0	5.0	7314788
Dissolved Vanadium (V)	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<25	25	7314788
Dissolved Zinc (Zn)	ug/L	<5.0	<5.0	5.0	8.1	5.0	<250	250	7314788
Dissolved Zirconium (Zr)	ug/L	<1.0	<1.0	1.0	<1.0	1.0	<50	50	7314788
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate									



BUREAU  
VERITAS

BV Labs Job #: C1A4424

Report Date: 2021/04/29

Terrapure Environmental

Client Project #: GW

Sampler Initials: BM

### ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

BV Labs ID		PJD185		PJD186		PJD187	PJD188		
Sampling Date		2021/04/19		2021/04/19		2021/04/19	2021/04/19		
COC Number		819873-06-01		819873-06-01		819873-06-01	819873-06-01		
	UNITS	76-II	QC Batch	76-III	QC Batch	45-I	45-II	RDL	QC Batch
<b>Metals</b>									
Dissolved Aluminum (Al)	ug/L	<4.9	7314788	<4.9	7314787	<4.9	25	4.9	7314788
Dissolved Antimony (Sb)	ug/L	<0.50	7314788	<0.50	7314787	<0.50	<0.50	0.50	7314788
Dissolved Arsenic (As)	ug/L	<1.0	7314788	<1.0	7314787	<1.0	<1.0	1.0	7314788
Dissolved Barium (Ba)	ug/L	19	7314788	18	7314787	47	26	2.0	7314788
Dissolved Beryllium (Be)	ug/L	<0.40	7314788	<0.40	7314787	<0.40	<0.40	0.40	7314788
Dissolved Bismuth (Bi)	ug/L	<1.0	7314788	<1.0	7314787	<1.0	<1.0	1.0	7314788
Dissolved Boron (B)	ug/L	62	7314788	55	7314787	37	32	10	7314788
Dissolved Cadmium (Cd)	ug/L	0.16	7314788	0.11	7314787	<0.090	<0.090	0.090	7314788
Dissolved Calcium (Ca)	ug/L	100000	7314788	100000	7314787	110000	91000	200	7314788
Dissolved Chromium (Cr)	ug/L	<5.0	7314788	<5.0	7314787	<5.0	<5.0	5.0	7314788
Dissolved Cobalt (Co)	ug/L	<0.50	7314788	<0.50	7314787	<0.50	<0.50	0.50	7314788
Dissolved Copper (Cu)	ug/L	0.95	7314788	<0.90	7314787	<0.90	<0.90	0.90	7314788
Dissolved Iron (Fe)	ug/L	<100	7314788	130	7314787	<100	<100	100	7314788
Dissolved Lead (Pb)	ug/L	1.7	7314788	1.4	7314787	<0.50	<0.50	0.50	7314788
Dissolved Lithium (Li)	ug/L	10	7314788	11	7314787	27	14	5.0	7314788
Dissolved Magnesium (Mg)	ug/L	28000	7314788	30000	7314787	32000	22000	50	7314788
Dissolved Manganese (Mn)	ug/L	19	7314788	32	7314787	24	3.9	2.0	7314788
Dissolved Molybdenum (Mo)	ug/L	0.56	7314788	0.67	7314787	<0.50	<0.50	0.50	7314788
Dissolved Nickel (Ni)	ug/L	2.4	7314788	2.2	7314787	<1.0	<1.0	1.0	7314788
Dissolved Phosphorus (P)	ug/L	<100	7314788	<100	7314787	<100	<100	100	7314788
Dissolved Potassium (K)	ug/L	2500	7314788	2800	7314787	2400	2200	200	7314788
Dissolved Selenium (Se)	ug/L	<2.0	7314788	<2.0	7314787	<2.0	<2.0	2.0	7314788
Dissolved Silicon (Si)	ug/L	4100	7314788	4200	7314787	4900	4000	50	7314788
Dissolved Silver (Ag)	ug/L	<0.090	7314788	<0.090	7314787	<0.090	<0.090	0.090	7314788
Dissolved Sodium (Na)	ug/L	170000	7314788	150000	7314787	17000	25000	100	7314788
Dissolved Strontium (Sr)	ug/L	650	7314788	640	7314787	2100	430	1.0	7314788
Dissolved Tellurium (Te)	ug/L	<1.0	7314788	<1.0	7314787	<1.0	<1.0	1.0	7314788
Dissolved Thallium (Tl)	ug/L	<0.050	7314788	<0.050	7314787	<0.050	<0.050	0.050	7314788
Dissolved Tin (Sn)	ug/L	<1.0	7314788	<1.0	7314787	<1.0	<1.0	1.0	7314788
Dissolved Titanium (Ti)	ug/L	<5.0	7314788	<5.0	7314787	<5.0	<5.0	5.0	7314788
Dissolved Tungsten (W)	ug/L	<1.0	7314788	<1.0	7314787	<1.0	<1.0	1.0	7314788
Dissolved Uranium (U)	ug/L	1.9	7314788	1.9	7314787	0.22	0.40	0.10	7314788
Dissolved Vanadium (V)	ug/L	<0.50	7314788	<0.50	7314787	<0.50	<0.50	0.50	7314788
Dissolved Zinc (Zn)	ug/L	98	7314788	87	7314787	15	24	5.0	7314788
Dissolved Zirconium (Zr)	ug/L	<1.0	7314788	<1.0	7314787	<1.0	<1.0	1.0	7314788
RDL = Reportable Detection Limit									
QC Batch = Quality Control Batch									



BUREAU VERITAS

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

**ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)**

BV Labs ID		PJD189		PJD190		PJD191		PJD192		
Sampling Date		2021/04/19		2021/04/19		2021/04/19		2021/04/19		
CO# Number		819873-06-01		819873-06-01		819873-06-01		819873-06-01		
	UNITS	14-I	RDL	42-II	RDL	42-III	RDL	31-I	RDL	QC Batch
<b>Metals</b>										
Dissolved Aluminum (Al)	ug/L	140	4.9	<25	25	<4.9	4.9	<4.9	4.9	7314788
Dissolved Antimony (Sb)	ug/L	<0.50	0.50	<2.5	2.5	<0.50	0.50	<0.50	0.50	7314788
Dissolved Arsenic (As)	ug/L	<1.0	1.0	<5.0	5.0	<1.0	1.0	3.0	1.0	7314788
Dissolved Barium (Ba)	ug/L	17	2.0	11	10	63	2.0	17	2.0	7314788
Dissolved Beryllium (Be)	ug/L	<0.40	0.40	<2.0	2.0	<0.40	0.40	<0.40	0.40	7314788
Dissolved Bismuth (Bi)	ug/L	<1.0	1.0	<5.0	5.0	<1.0	1.0	<1.0	1.0	7314788
Dissolved Boron (B)	ug/L	23	10	1300	50	790	10	540	10	7314788
Dissolved Cadmium (Cd)	ug/L	0.59	0.090	<0.45	0.45	<0.090	0.090	<0.090	0.090	7314788
Dissolved Calcium (Ca)	ug/L	83000	200	520000	1000	340000	400	11000	200	7314788
Dissolved Chromium (Cr)	ug/L	<5.0	5.0	<25	25	<5.0	5.0	<5.0	5.0	7314788
Dissolved Cobalt (Co)	ug/L	0.58	0.50	<2.5	2.5	<0.50	0.50	<0.50	0.50	7314788
Dissolved Copper (Cu)	ug/L	4.7	0.90	<4.5	4.5	<0.90	0.90	<0.90	0.90	7314788
Dissolved Iron (Fe)	ug/L	300	100	<500	500	670	100	<100	100	7314788
Dissolved Lead (Pb)	ug/L	1.4	0.50	<2.5	2.5	<0.50	0.50	<0.50	0.50	7314788
Dissolved Lithium (Li)	ug/L	11	5.0	84	25	42	5.0	22	5.0	7314788
Dissolved Magnesium (Mg)	ug/L	35000	50	120000	250	100000	50	2200	50	7314788
Dissolved Manganese (Mn)	ug/L	17	2.0	140	10	620	2.0	2.2	2.0	7314788
Dissolved Molybdenum (Mo)	ug/L	<0.50	0.50	<2.5	2.5	1.3	0.50	84	0.50	7314788
Dissolved Nickel (Ni)	ug/L	2.1	1.0	<5.0	5.0	1.5	1.0	25	1.0	7314788
Dissolved Phosphorus (P)	ug/L	100	100	<500	500	<100	100	410	100	7314788
Dissolved Potassium (K)	ug/L	3300	200	31000	1000	35000	200	150000	200	7314788
Dissolved Selenium (Se)	ug/L	<2.0	2.0	<10	10	<2.0	2.0	9.0	2.0	7314788
Dissolved Silicon (Si)	ug/L	2500	50	17000	250	4300	50	11000	50	7314788
Dissolved Silver (Ag)	ug/L	<0.090	0.090	<0.45	0.45	<0.090	0.090	<0.090	0.090	7314788
Dissolved Sodium (Na)	ug/L	21000	100	300000	500	300000	100	2700000	500	7314788
Dissolved Strontium (Sr)	ug/L	750	1.0	12000	5.0	6400	1.0	520	1.0	7314788
Dissolved Tellurium (Te)	ug/L	<1.0	1.0	<5.0	5.0	<1.0	1.0	1.4	1.0	7314788
Dissolved Thallium (Tl)	ug/L	<0.050	0.050	<0.25	0.25	<0.050	0.050	<0.050	0.050	7314788
Dissolved Tin (Sn)	ug/L	<1.0	1.0	<5.0	5.0	<1.0	1.0	<1.0	1.0	7314788
Dissolved Titanium (Ti)	ug/L	6.7	5.0	<25	25	<5.0	5.0	<5.0	5.0	7314788
Dissolved Tungsten (W)	ug/L	<1.0	1.0	<5.0	5.0	1.4	1.0	16	1.0	7314788
Dissolved Uranium (U)	ug/L	2.0	0.10	<0.50	0.50	0.29	0.10	<0.10	0.10	7314788
Dissolved Vanadium (V)	ug/L	<0.50	0.50	<2.5	2.5	0.51	0.50	1.6	0.50	7314788
Dissolved Zinc (Zn)	ug/L	11	5.0	<25	25	<5.0	5.0	<5.0	5.0	7314788
Dissolved Zirconium (Zr)	ug/L	<1.0	1.0	<5.0	5.0	<1.0	1.0	<1.0	1.0	7314788
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										



BUREAU  
VERITAS

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

BV Labs ID		PJD193		PJD194		PJD195		PJD196		
Sampling Date		2021/04/19		2021/04/19		2021/04/19		2021/04/19		
COC Number		819873-06-01		819873-07-01		819873-07-01		819873-07-01		
	UNITS	31-III	QC Batch	30-I	QC Batch	30-II	RDL	P1-I	RDL	QC Batch
<b>Metals</b>										
Dissolved Aluminum (Al)	ug/L	5.1	7314788	30	7314787	70	4.9	<25	25	7314788
Dissolved Antimony (Sb)	ug/L	<0.50	7314788	1.4	7314787	<0.50	0.50	<2.5	2.5	7314788
Dissolved Arsenic (As)	ug/L	<1.0	7314788	6.3	7314787	2.2	1.0	<5.0	5.0	7314788
Dissolved Barium (Ba)	ug/L	7.8	7314788	97	7314787	21	2.0	22	10	7314788
Dissolved Beryllium (Be)	ug/L	<0.40	7314788	<0.40	7314787	<0.40	0.40	<2.0	2.0	7314788
Dissolved Bismuth (Bi)	ug/L	<1.0	7314788	<1.0	7314787	<1.0	1.0	<5.0	5.0	7314788
Dissolved Boron (B)	ug/L	540	7314788	66	7314787	54	10	970	50	7314788
Dissolved Cadmium (Cd)	ug/L	<0.090	7314788	<0.090	7314787	<0.090	0.090	<0.45	0.45	7314788
Dissolved Calcium (Ca)	ug/L	64000	7314788	230000	7314787	120000	200	550000	1000	7314788
Dissolved Chromium (Cr)	ug/L	<5.0	7314788	<5.0	7314787	16	5.0	<25	25	7314788
Dissolved Cobalt (Co)	ug/L	<0.50	7314788	<0.50	7314787	<0.50	0.50	<2.5	2.5	7314788
Dissolved Copper (Cu)	ug/L	<0.90	7314788	<0.90	7314787	5.8	0.90	<4.5	4.5	7314788
Dissolved Iron (Fe)	ug/L	<100	7314788	<100	7314787	<100	100	<500	500	7314788
Dissolved Lead (Pb)	ug/L	<0.50	7314788	<0.50	7314787	<0.50	0.50	<2.5	2.5	7314788
Dissolved Lithium (Li)	ug/L	32	7314788	57	7314787	10	5.0	130	25	7314788
Dissolved Magnesium (Mg)	ug/L	18000	7314788	<50	7314787	150	50	61000	250	7314788
Dissolved Manganese (Mn)	ug/L	8.5	7314788	<2.0	7314787	<2.0	2.0	32	10	7314788
Dissolved Molybdenum (Mo)	ug/L	1.1	7314788	11	7314787	33	0.50	<2.5	2.5	7314788
Dissolved Nickel (Ni)	ug/L	1.0	7314788	12	7314787	1.7	1.0	<5.0	5.0	7314788
Dissolved Phosphorus (P)	ug/L	<100	7314788	<100	7314787	<100	100	<500	500	7314788
Dissolved Potassium (K)	ug/L	41000	7314788	110000	7314787	43000	200	48000	1000	7314788
Dissolved Selenium (Se)	ug/L	6.3	7314788	<2.0	7314787	3.3	2.0	<10	10	7314788
Dissolved Silicon (Si)	ug/L	7900	7314788	3000	7314787	10000	50	5700	250	7314788
Dissolved Silver (Ag)	ug/L	<0.090	7314788	<0.090	7314787	<0.090	0.090	<0.45	0.45	7314788
Dissolved Sodium (Na)	ug/L	360000	7314788	320000	7314787	80000	100	690000	500	7314788
Dissolved Strontium (Sr)	ug/L	2800	7314788	2000	7314787	880	1.0	6300	5.0	7314788
Dissolved Tellurium (Te)	ug/L	<1.0	7314788	<1.0	7314787	<1.0	1.0	<5.0	5.0	7314788
Dissolved Thallium (Tl)	ug/L	<0.050	7314788	<0.050	7314787	<0.050	0.050	<0.25	0.25	7314788
Dissolved Tin (Sn)	ug/L	<1.0	7314788	<1.0	7314787	<1.0	1.0	<5.0	5.0	7314788
Dissolved Titanium (Ti)	ug/L	<5.0	7314788	<5.0	7314787	<5.0	5.0	<25	25	7314788
Dissolved Tungsten (W)	ug/L	1.0	7314788	<1.0	7314787	21	1.0	<5.0	5.0	7314788
Dissolved Uranium (U)	ug/L	<0.10	7314788	<0.10	7314787	<0.10	0.10	<0.50	0.50	7314788
Dissolved Vanadium (V)	ug/L	<0.50	7314788	0.92	7314787	77	0.50	<2.5	2.5	7314788
Dissolved Zinc (Zn)	ug/L	<5.0	7314788	<5.0	7314787	<5.0	5.0	<25	25	7314788
Dissolved Zirconium (Zr)	ug/L	<1.0	7314788	<1.0	7314787	<1.0	1.0	<5.0	5.0	7314788
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										



BUREAU  
VERITAS

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

**ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)**

BV Labs ID		PJD197			PJD198		
Sampling Date		2021/04/19			2021/04/19		
COC Number		819873-07-01			819873-07-01		
	UNITS	P1-II	RDL	QC Batch	P1-III	RDL	QC Batch
<b>Metals</b>							
Dissolved Aluminum (Al)	ug/L	<4.9	4.9	7314787	40	4.9	7314788
Dissolved Antimony (Sb)	ug/L	<0.50	0.50	7314787	<0.50	0.50	7314788
Dissolved Arsenic (As)	ug/L	<1.0	1.0	7314787	<1.0	1.0	7314788
Dissolved Barium (Ba)	ug/L	23	2.0	7314787	31	2.0	7314788
Dissolved Beryllium (Be)	ug/L	<0.40	0.40	7314787	<0.40	0.40	7314788
Dissolved Bismuth (Bi)	ug/L	<1.0	1.0	7314787	<1.0	1.0	7314788
Dissolved Boron (B)	ug/L	940	10	7314787	420	10	7314788
Dissolved Cadmium (Cd)	ug/L	<0.090	0.090	7314787	<0.090	0.090	7314788
Dissolved Calcium (Ca)	ug/L	500000	1000	7314787	120000	200	7314788
Dissolved Chromium (Cr)	ug/L	<5.0	5.0	7314787	<5.0	5.0	7314788
Dissolved Cobalt (Co)	ug/L	<0.50	0.50	7314787	<0.50	0.50	7314788
Dissolved Copper (Cu)	ug/L	<0.90	0.90	7314787	1.5	0.90	7314788
Dissolved Iron (Fe)	ug/L	<100	100	7314787	<100	100	7314788
Dissolved Lead (Pb)	ug/L	<0.50	0.50	7314787	1.2	0.50	7314788
Dissolved Lithium (Li)	ug/L	130	5.0	7314787	26	5.0	7314788
Dissolved Magnesium (Mg)	ug/L	64000	50	7314787	58000	50	7314788
Dissolved Manganese (Mn)	ug/L	38	2.0	7314787	35	2.0	7314788
Dissolved Molybdenum (Mo)	ug/L	<0.50	0.50	7314787	5.8	0.50	7314788
Dissolved Nickel (Ni)	ug/L	1.9	1.0	7314787	1.6	1.0	7314788
Dissolved Phosphorus (P)	ug/L	<100	100	7314787	<100	100	7314788
Dissolved Potassium (K)	ug/L	53000	200	7314787	7300	200	7314788
Dissolved Selenium (Se)	ug/L	<2.0	2.0	7314787	6.6	2.0	7314788
Dissolved Silicon (Si)	ug/L	6000	50	7314787	9600	50	7314788
Dissolved Silver (Ag)	ug/L	<0.090	0.090	7314787	<0.090	0.090	7314788
Dissolved Sodium (Na)	ug/L	730000	500	7314787	43000	100	7314788
Dissolved Strontium (Sr)	ug/L	7200	1.0	7314787	930	1.0	7314788
Dissolved Tellurium (Te)	ug/L	<1.0	1.0	7314787	<1.0	1.0	7314788
Dissolved Thallium (Tl)	ug/L	<0.050	0.050	7314787	<0.050	0.050	7314788
Dissolved Tin (Sn)	ug/L	<1.0	1.0	7314787	<1.0	1.0	7314788
Dissolved Titanium (Ti)	ug/L	<5.0	5.0	7314787	<5.0	5.0	7314788
Dissolved Tungsten (W)	ug/L	1.5	1.0	7314787	<1.0	1.0	7314788
Dissolved Uranium (U)	ug/L	<0.10	0.10	7314787	3.4	0.10	7314788
Dissolved Vanadium (V)	ug/L	<0.50	0.50	7314787	1.1	0.50	7314788
Dissolved Zinc (Zn)	ug/L	<5.0	5.0	7314787	72	5.0	7314788
Dissolved Zirconium (Zr)	ug/L	<1.0	1.0	7314787	<1.0	1.0	7314788
RDL = Reportable Detection Limit							
QC Batch = Quality Control Batch							



BUREAU  
VERITAS

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

**SEMI-VOLATILE ORGANICS BY GC-MS (WATER)**

BV Labs ID		PJD174		PJD175		PJD176		PJD177		
Sampling Date		2021/04/19		2021/04/19		2021/04/19		2021/04/19		
COC Number		819873-05-01		819873-05-01		819873-05-01		819873-05-01		
	UNITS	68-I	RDL	68-II	RDL	68-III	RDL	58-I	RDL	QC Batch
<b>Semivolatile Organics</b>										
Acenaphthene	ug/L	<2.0	2.0	<0.80	0.80	<2.0	2.0	67	10	7316347
Acenaphthylene	ug/L	<2.0	2.0	<0.80	0.80	<2.0	2.0	<10	10	7316347
Anthracene	ug/L	<2.0	2.0	<0.80	0.80	<2.0	2.0	45	10	7316347
Benzo(a)anthracene	ug/L	<2.0	2.0	<0.80	0.80	<2.0	2.0	19	10	7316347
Benzo(a)pyrene	ug/L	<2.0	2.0	<0.80	0.80	<2.0	2.0	<10	10	7316347
Benzo(b/j)fluoranthene	ug/L	<2.0	2.0	<0.80	0.80	<2.0	2.0	<10	10	7316347
Benzo(g,h,i)perylene	ug/L	<2.0	2.0	<0.80	0.80	<2.0	2.0	<10	10	7316347
Benzo(k)fluoranthene	ug/L	<2.0	2.0	<0.80	0.80	<2.0	2.0	<10	10	7316347
1-Chloronaphthalene	ug/L	<10	10	<4.0	4.0	<10	10	<50	50	7316347
2-Chloronaphthalene	ug/L	<5.0	5.0	<2.0	2.0	<5.0	5.0	<25	25	7316347
Chrysene	ug/L	<2.0	2.0	<0.80	0.80	<2.0	2.0	11	10	7316347
Dibenzo(a,h)anthracene	ug/L	<2.0	2.0	<0.80	0.80	<2.0	2.0	<10	10	7316347
Fluoranthene	ug/L	<2.0	2.0	<0.80	0.80	<2.0	2.0	69	10	7316347
Fluorene	ug/L	<2.0	2.0	<0.80	0.80	<2.0	2.0	55	10	7316347
Indeno(1,2,3-cd)pyrene	ug/L	<2.0	2.0	<0.80	0.80	<2.0	2.0	<10	10	7316347
1-Methylnaphthalene	ug/L	<2.0	2.0	<0.80	0.80	<2.0	2.0	45	10	7316347
2-Methylnaphthalene	ug/L	<2.0	2.0	<0.80	0.80	<2.0	2.0	59	10	7316347
Naphthalene	ug/L	<2.0	2.0	<0.80	0.80	<7.0 (1)	7.0	1300	10	7316347
5-Nitroacenaphthene	ug/L	<10	10	<4.0	4.0	<10	10	<50	50	7316347
Perylene	ug/L	<2.0	2.0	<0.80	0.80	<2.0	2.0	<10	10	7316347
Phenanthrene	ug/L	<2.0	2.0	<0.80	0.80	<2.0	2.0	120	10	7316347
Pyrene	ug/L	<2.0	2.0	<0.80	0.80	<2.0	2.0	52	10	7316347
1,2-Dichlorobenzene	ug/L	<5.0	5.0	<2.0	2.0	<5.0	5.0	<25	25	7316347
1,3-Dichlorobenzene	ug/L	<5.0	5.0	<2.0	2.0	<5.0	5.0	<25	25	7316347
1,4-Dichlorobenzene	ug/L	<5.0	5.0	<2.0	2.0	<5.0	5.0	<25	25	7316347
Hexachlorobenzene	ug/L	<5.0	5.0	<2.0	2.0	<5.0	5.0	<25	25	7316347
Pentachlorobenzene	ug/L	<5.0	5.0	<2.0	2.0	<5.0	5.0	<25	25	7316347
1,2,3,5-Tetrachlorobenzene	ug/L	<5.0	5.0	<2.0	2.0	<5.0	5.0	<25	25	7316347
1,2,4,5-Tetrachlorobenzene	ug/L	<5.0	5.0	<2.0	2.0	<5.0	5.0	<25	25	7316347
1,2,3-Trichlorobenzene	ug/L	<5.0	5.0	<2.0	2.0	<5.0	5.0	<25	25	7316347
1,2,4-Trichlorobenzene	ug/L	<5.0	5.0	<2.0	2.0	<5.0	5.0	<25	25	7316347
1,3,5-Trichlorobenzene	ug/L	<5.0	5.0	<2.0	2.0	<5.0	5.0	<25	25	7316347
2-Chlorophenol	ug/L	<3.0	3.0	<1.2	1.2	<3.0	3.0	<15	15	7316347
4-Chloro-3-Methylphenol	ug/L	<5.0	5.0	<2.0	2.0	<5.0	5.0	<25	25	7316347
m/p-Cresol	ug/L	<5.0	5.0	<2.0	2.0	95	5.0	830	25	7316347
RDL = Reportable Detection Limit QC Batch = Quality Control Batch (1) Detection limit was raised due to matrix interference.										



BUREAU  
VERITAS

BV Labs Job #: C1A4424

Report Date: 2021/04/29

Terrapure Environmental

Client Project #: GW

Sampler Initials: BM

### SEMI-VOLATILE ORGANICS BY GC-MS (WATER)

BV Labs ID		PJD174		PJD175		PJD176		PJD177		
Sampling Date		2021/04/19		2021/04/19		2021/04/19		2021/04/19		
COC Number		819873-05-01		819873-05-01		819873-05-01		819873-05-01		
	UNITS	68-I	RDL	68-II	RDL	68-III	RDL	58-I	RDL	QC Batch
o-Cresol	ug/L	<5.0	5.0	<2.0	2.0	9.7	5.0	160	25	7316347
1,2,3,4-Tetrachlorobenzene	ug/L	<5.0	5.0	<2.0	2.0	<5.0	5.0	<25	25	7316347
2,3-Dichlorophenol	ug/L	<5.0	5.0	<2.0	2.0	<5.0	5.0	<25	25	7316347
2,4-Dichlorophenol	ug/L	<3.0	3.0	<1.2	1.2	<3.0	3.0	<15	15	7316347
2,5-Dichlorophenol	ug/L	<5.0	5.0	<2.0	2.0	<5.0	5.0	<25	25	7316347
2,6-Dichlorophenol	ug/L	<5.0	5.0	<2.0	2.0	<5.0	5.0	<25	25	7316347
3,4-Dichlorophenol	ug/L	<5.0	5.0	<2.0	2.0	<5.0	5.0	<25	25	7316347
3,5-Dichlorophenol	ug/L	<5.0	5.0	<2.0	2.0	<5.0	5.0	<25	25	7316347
2,4-Dimethylphenol	ug/L	<5.0	5.0	<2.0	2.0	33	5.0	75	25	7316347
2,4-Dinitrophenol	ug/L	<60	60	<25	25	<60	60	<300	300	7316347
4,6-Dinitro-2-methylphenol	ug/L	<20	20	<8.0	8.0	<20	20	<100	100	7316347
2-Nitrophenol	ug/L	<5.0	5.0	<2.0	2.0	<5.0	5.0	<25	25	7316347
4-Nitrophenol	ug/L	<25	25	<10	10	<25	25	<100	100	7316347
Pentachlorophenol	ug/L	<25	25	<10	10	<25	25	<100	100	7316347
Phenol	ug/L	<5.0	5.0	<2.0	2.0	76	5.0	1600	25	7316347
2,3,4,5-Tetrachlorophenol	ug/L	<4.0	4.0	<1.6	1.6	<4.0	4.0	<20	20	7316347
2,3,4,6-Tetrachlorophenol	ug/L	<5.0	5.0	<2.0	2.0	<5.0	5.0	<25	25	7316347
2,3,5,6-Tetrachlorophenol	ug/L	<5.0	5.0	<2.0	2.0	<5.0	5.0	<25	25	7316347
2,3,4-Trichlorophenol	ug/L	<5.0	5.0	<2.0	2.0	<5.0	5.0	<25	25	7316347
2,3,5-Trichlorophenol	ug/L	<5.0	5.0	<2.0	2.0	<5.0	5.0	<25	25	7316347
2,3,6-Trichlorophenol	ug/L	<5.0	5.0	<2.0	2.0	<5.0	5.0	<25	25	7316347
2,4,5-Trichlorophenol	ug/L	<5.0	5.0	<2.0	2.0	<5.0	5.0	<25	25	7316347
2,4,6-Trichlorophenol	ug/L	<5.0	5.0	<2.0	2.0	<5.0	5.0	<25	25	7316347
3,4,5-Trichlorophenol	ug/L	<5.0	5.0	<2.0	2.0	<5.0	5.0	<25	25	7316347
Benzyl butyl phthalate	ug/L	<5.0	5.0	<2.0	2.0	<5.0	5.0	<25	25	7316347
Biphenyl	ug/L	<5.0	5.0	<2.0	2.0	<5.0	5.0	<25	25	7316347
Bis(2-chloroethyl)ether	ug/L	<5.0	5.0	<2.0	2.0	<5.0	5.0	<25	25	7316347
Bis(2-chloroethoxy)methane	ug/L	<5.0	5.0	<2.0	2.0	<5.0	5.0	<25	25	7316347
Bis(2-chloroisopropyl)ether	ug/L	<5.0	5.0	<2.0	2.0	<5.0	5.0	<25	25	7316347
Bis(2-ethylhexyl)phthalate	ug/L	<20	20	<8.0	8.0	<20	20	<100	100	7316347
4-Bromophenyl phenyl ether	ug/L	<3.0	3.0	<1.2	1.2	<3.0	3.0	<15	15	7316347
p-Chloroaniline	ug/L	<10	10	<4.0	4.0	<10	10	<50	50	7316347
4-Chlorophenyl phenyl ether	ug/L	<5.0	5.0	<2.0	2.0	<5.0	5.0	<25	25	7316347
Di-N-butyl phthalate	ug/L	<20	20	<8.0	8.0	<20	20	<100	100	7316347
di-n-octyl phthalate	ug/L	<8.0	8.0	<3.2	3.2	<8.0	8.0	<40	40	7316347
2,4-Dinitrotoluene	ug/L	<5.0	5.0	<2.0	2.0	<5.0	5.0	<25	25	7316347
Diethyl phthalate	ug/L	<10	10	<4.0	4.0	<10	10	<50	50	7316347

RDL = Reportable Detection Limit  
QC Batch = Quality Control Batch





BUREAU  
VERITAS

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

**SEMI-VOLATILE ORGANICS BY GC-MS (WATER)**

BV Labs ID		PJD174		PJD175		PJD176		PJD177		
Sampling Date		2021/04/19		2021/04/19		2021/04/19		2021/04/19		
COC Number		819873-05-01		819873-05-01		819873-05-01		819873-05-01		
	UNITS	68-I	RDL	68-II	RDL	68-III	RDL	58-I	RDL	QC Batch
3,3'-Dichlorobenzidine	ug/L	<5.0	5.0	<2.0	2.0	<5.0	5.0	<25	25	7316347
Dimethyl phthalate	ug/L	<10	10	<4.0	4.0	<10	10	<50	50	7316347
2,6-Dinitrotoluene	ug/L	<5.0	5.0	<2.0	2.0	<5.0	5.0	<25	25	7316347
Diphenyl Ether	ug/L	<3.0	3.0	<1.2	1.2	<3.0	3.0	<15	15	7316347
Hexachlorobutadiene	ug/L	<4.0	4.0	<1.6	1.6	<4.0	4.0	<20	20	7316347
Hexachlorocyclopentadiene	ug/L	<20	20	<8.0	8.0	<20	20	<100	100	7316347
Hexachloroethane	ug/L	<5.0	5.0	<2.0	2.0	<5.0	5.0	<25	25	7316347
Isophorone	ug/L	<5.0	5.0	<2.0	2.0	<5.0	5.0	<25	25	7316347
Nitrobenzene	ug/L	<5.0	5.0	<2.0	2.0	<5.0	5.0	<25	25	7316347
Nitrosodiphenylamine/Diphenylamine	ug/L	<10	10	<4.0	4.0	<10	10	<50	50	7316347
N-Nitroso-di-n-propylamine	ug/L	<5.0	5.0	<2.0	2.0	<5.0	5.0	<25	25	7316347
<b>Surrogate Recovery (%)</b>										
2,4,6-Tribromophenol	%	46		40		98		113		7316347
2-Fluorobiphenyl	%	81		66		66		75		7316347
2-Fluorophenol	%	30		30		41		44		7316347
D14-Terphenyl	%	112		107		108		110		7316347
D5-Nitrobenzene	%	79		65		73		78		7316347
D5-Phenol	%	23		23		29		32		7316347
RDL = Reportable Detection Limit QC Batch = Quality Control Batch										





BUREAU  
VERITAS

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### SEMI-VOLATILE ORGANICS BY GC-MS (WATER)

BV Labs ID		PJD182	PJD183		PJD184		PJD185	PJD186		
Sampling Date		2021/04/19	2021/04/19		2021/04/19		2021/04/19	2021/04/19		
COC Number		819873-05-01	819873-05-01		819873-06-01		819873-06-01	819873-06-01		
	UNITS	44-I	44-II	RDL	76-I	RDL	76-II	76-III	RDL	QC Batch

Semivolatile Organics										
Acenaphthene	ug/L	<0.80	<0.80	0.80	<2.0	2.0	<0.80	<0.80	0.80	7316347
Acenaphthylene	ug/L	<0.80	<0.80	0.80	<2.0	2.0	<0.80	<0.80	0.80	7316347
Anthracene	ug/L	<0.80	<0.80	0.80	<2.0	2.0	<0.80	<0.80	0.80	7316347
Benzo(a)anthracene	ug/L	<0.80	<0.80	0.80	<2.0	2.0	<0.80	<0.80	0.80	7316347
Benzo(a)pyrene	ug/L	<0.80	<0.80	0.80	<2.0	2.0	<0.80	<0.80	0.80	7316347
Benzo(b,j)fluoranthene	ug/L	<0.80	<0.80	0.80	<2.0	2.0	<0.80	<0.80	0.80	7316347
Benzo(g,h,i)perylene	ug/L	<0.80	<0.80	0.80	<2.0	2.0	<0.80	<0.80	0.80	7316347
Benzo(k)fluoranthene	ug/L	<0.80	<0.80	0.80	<2.0	2.0	<0.80	<0.80	0.80	7316347
1-Chloronaphthalene	ug/L	<4.0	<4.0	4.0	<10	10	<4.0	<4.0	4.0	7316347
2-Chloronaphthalene	ug/L	<2.0	<2.0	2.0	<5.0	5.0	<2.0	<2.0	2.0	7316347
Chrysene	ug/L	<0.80	<0.80	0.80	<2.0	2.0	<0.80	<0.80	0.80	7316347
Dibenzo(a,h)anthracene	ug/L	<0.80	<0.80	0.80	<2.0	2.0	<0.80	<0.80	0.80	7316347
Fluoranthene	ug/L	<0.80	<0.80	0.80	<2.0	2.0	<0.80	<0.80	0.80	7316347
Fluorene	ug/L	<0.80	<0.80	0.80	<2.0	2.0	<0.80	<0.80	0.80	7316347
Indeno(1,2,3-cd)pyrene	ug/L	<0.80	<0.80	0.80	<2.0	2.0	<0.80	<0.80	0.80	7316347
1-Methylnaphthalene	ug/L	<0.80	<0.80	0.80	<2.0	2.0	<0.80	<0.80	0.80	7316347
2-Methylnaphthalene	ug/L	<0.80	<0.80	0.80	<2.0	2.0	<0.80	<0.80	0.80	7316347
Naphthalene	ug/L	<0.80	<0.80	0.80	<2.0	2.0	<0.80	<0.80	0.80	7316347
5-Nitroacenaphthene	ug/L	<4.0	<4.0	4.0	<10	10	<4.0	<4.0	4.0	7316347
Perylene	ug/L	<0.80	<0.80	0.80	<2.0	2.0	<0.80	<0.80	0.80	7316347
Phenanthrene	ug/L	<0.80	<0.80	0.80	<2.0	2.0	<0.80	<0.80	0.80	7316347
Pyrene	ug/L	<0.80	<0.80	0.80	<2.0	2.0	<0.80	<0.80	0.80	7316347
1,2-Dichlorobenzene	ug/L	<2.0	<2.0	2.0	<5.0	5.0	<2.0	<2.0	2.0	7316347
1,3-Dichlorobenzene	ug/L	<2.0	<2.0	2.0	<5.0	5.0	<2.0	<2.0	2.0	7316347
1,4-Dichlorobenzene	ug/L	<2.0	<2.0	2.0	<5.0	5.0	<2.0	<2.0	2.0	7316347
Hexachlorobenzene	ug/L	<2.0	<2.0	2.0	<5.0	5.0	<2.0	<2.0	2.0	7316347
Pentachlorobenzene	ug/L	<2.0	<2.0	2.0	<5.0	5.0	<2.0	<2.0	2.0	7316347
1,2,3,5-Tetrachlorobenzene	ug/L	<2.0	<2.0	2.0	<5.0	5.0	<2.0	<2.0	2.0	7316347
1,2,4,5-Tetrachlorobenzene	ug/L	<2.0	<2.0	2.0	<5.0	5.0	<2.0	<2.0	2.0	7316347
1,2,3-Trichlorobenzene	ug/L	<2.0	<2.0	2.0	<5.0	5.0	<2.0	<2.0	2.0	7316347
1,2,4-Trichlorobenzene	ug/L	<2.0	<2.0	2.0	<5.0	5.0	<2.0	<2.0	2.0	7316347
1,3,5-Trichlorobenzene	ug/L	<2.0	<2.0	2.0	<5.0	5.0	<2.0	<2.0	2.0	7316347
2-Chlorophenol	ug/L	<1.2	<1.2	1.2	<3.0	3.0	<1.2	<1.2	1.2	7316347
4-Chloro-3-Methylphenol	ug/L	<2.0	<2.0	2.0	<5.0	5.0	<2.0	<2.0	2.0	7316347
m/p-Cresol	ug/L	<2.0	<2.0	2.0	<5.0	5.0	<2.0	<2.0	2.0	7316347
o-Cresol	ug/L	<2.0	<2.0	2.0	<5.0	5.0	<2.0	<2.0	2.0	7316347

RDL = Reportable Detection Limit  
QC Batch = Quality Control Batch



BUREAU  
VERITAS

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### SEMI-VOLATILE ORGANICS BY GC-MS (WATER)

BV Labs ID		PJD182	PJD183		PJD184		PJD185	PJD186		
Sampling Date		2021/04/19	2021/04/19		2021/04/19		2021/04/19	2021/04/19		
COC Number		819873-05-01	819873-05-01		819873-06-01		819873-06-01	819873-06-01		
	UNITS	44-I	44-II	RDL	76-I	RDL	76-II	76-III	RDL	QC Batch
1,2,3,4-Tetrachlorobenzene	ug/L	<2.0	<2.0	2.0	<5.0	5.0	<2.0	<2.0	2.0	7316347
2,3-Dichlorophenol	ug/L	<2.0	<2.0	2.0	<5.0	5.0	<2.0	<2.0	2.0	7316347
2,4-Dichlorophenol	ug/L	<1.2	<1.2	1.2	<3.0	3.0	<1.2	<1.2	1.2	7316347
2,5-Dichlorophenol	ug/L	<2.0	<2.0	2.0	<5.0	5.0	<2.0	<2.0	2.0	7316347
2,6-Dichlorophenol	ug/L	<2.0	<2.0	2.0	<5.0	5.0	<2.0	<2.0	2.0	7316347
3,4-Dichlorophenol	ug/L	<2.0	<2.0	2.0	<5.0	5.0	<2.0	<2.0	2.0	7316347
3,5-Dichlorophenol	ug/L	<2.0	<2.0	2.0	<5.0	5.0	<2.0	<2.0	2.0	7316347
2,4-Dimethylphenol	ug/L	<2.0	<2.0	2.0	<5.0	5.0	<2.0	<2.0	2.0	7316347
2,4-Dinitrophenol	ug/L	<25	<25	25	<60	60	<25	<25	25	7316347
4,6-Dinitro-2-methylphenol	ug/L	<8.0	<8.0	8.0	<20	20	<8.0	<8.0	8.0	7316347
2-Nitrophenol	ug/L	<2.0	<2.0	2.0	<5.0	5.0	<2.0	<2.0	2.0	7316347
4-Nitrophenol	ug/L	<10	<10	10	<25	25	<10	<10	10	7316347
Pentachlorophenol	ug/L	<10	<10	10	<25	25	<10	<10	10	7316347
Phenol	ug/L	<2.0	<2.0	2.0	<5.0	5.0	<2.0	<2.0	2.0	7316347
2,3,4,5-Tetrachlorophenol	ug/L	<1.6	<1.6	1.6	<4.0	4.0	<1.6	<1.6	1.6	7316347
2,3,4,6-Tetrachlorophenol	ug/L	<2.0	<2.0	2.0	<5.0	5.0	<2.0	<2.0	2.0	7316347
2,3,5,6-Tetrachlorophenol	ug/L	<2.0	<2.0	2.0	<5.0	5.0	<2.0	<2.0	2.0	7316347
2,3,4-Trichlorophenol	ug/L	<2.0	<2.0	2.0	<5.0	5.0	<2.0	<2.0	2.0	7316347
2,3,5-Trichlorophenol	ug/L	<2.0	<2.0	2.0	<5.0	5.0	<2.0	<2.0	2.0	7316347
2,3,6-Trichlorophenol	ug/L	<2.0	<2.0	2.0	<5.0	5.0	<2.0	<2.0	2.0	7316347
2,4,5-Trichlorophenol	ug/L	<2.0	<2.0	2.0	<5.0	5.0	<2.0	<2.0	2.0	7316347
2,4,6-Trichlorophenol	ug/L	<2.0	<2.0	2.0	<5.0	5.0	<2.0	<2.0	2.0	7316347
3,4,5-Trichlorophenol	ug/L	<2.0	<2.0	2.0	<5.0	5.0	<2.0	<2.0	2.0	7316347
Benzyl butyl phthalate	ug/L	<2.0	<2.0	2.0	<5.0	5.0	<2.0	<2.0	2.0	7316347
Biphenyl	ug/L	<2.0	<2.0	2.0	<5.0	5.0	<2.0	<2.0	2.0	7316347
Bis(2-chloroethyl)ether	ug/L	<2.0	<2.0	2.0	<5.0	5.0	<2.0	<2.0	2.0	7316347
Bis(2-chloroethoxy)methane	ug/L	<2.0	<2.0	2.0	<5.0	5.0	<2.0	<2.0	2.0	7316347
Bis(2-chloroisopropyl)ether	ug/L	<2.0	<2.0	2.0	<5.0	5.0	<2.0	<2.0	2.0	7316347
Bis(2-ethylhexyl)phthalate	ug/L	<8.0	<8.0	8.0	<20	20	<8.0	<8.0	8.0	7316347
4-Bromophenyl phenyl ether	ug/L	<1.2	<1.2	1.2	<3.0	3.0	<1.2	<1.2	1.2	7316347
p-Chloroaniline	ug/L	<4.0	<4.0	4.0	<10	10	<4.0	<4.0	4.0	7316347
4-Chlorophenyl phenyl ether	ug/L	<2.0	<2.0	2.0	<5.0	5.0	<2.0	<2.0	2.0	7316347
Di-N-butyl phthalate	ug/L	<8.0	<8.0	8.0	<20	20	<8.0	<8.0	8.0	7316347
di-n-octyl phthalate	ug/L	<3.2	<3.2	3.2	<8.0	8.0	<3.2	<3.2	3.2	7316347
2,4-Dinitrotoluene	ug/L	<2.0	<2.0	2.0	<5.0	5.0	<2.0	<2.0	2.0	7316347
Diethyl phthalate	ug/L	<4.0	<4.0	4.0	<10	10	<4.0	<4.0	4.0	7316347
3,3'-Dichlorobenzidine	ug/L	<2.0	<2.0	2.0	<5.0	5.0	<2.0	<2.0	2.0	7316347

RDL = Reportable Detection Limit  
QC Batch = Quality Control Batch



BUREAU  
VERITAS

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

**SEMI-VOLATILE ORGANICS BY GC-MS (WATER)**

BV Labs ID		PJD182	PJD183		PJD184		PJD185	PJD186		
Sampling Date		2021/04/19	2021/04/19		2021/04/19		2021/04/19	2021/04/19		
COC Number		819873-05-01	819873-05-01		819873-06-01		819873-06-01	819873-06-01		
	UNITS	44-I	44-II	RDL	76-I	RDL	76-II	76-III	RDL	QC Batch
Dimethyl phthalate	ug/L	<4.0	<4.0	4.0	<10	10	<4.0	<4.0	4.0	7316347
2,6-Dinitrotoluene	ug/L	<2.0	<2.0	2.0	<5.0	5.0	<2.0	<2.0	2.0	7316347
Diphenyl Ether	ug/L	<1.2	<1.2	1.2	<3.0	3.0	<1.2	<1.2	1.2	7316347
Hexachlorobutadiene	ug/L	<1.6	<1.6	1.6	<4.0	4.0	<1.6	<1.6	1.6	7316347
Hexachlorocyclopentadiene	ug/L	<8.0	<8.0	8.0	<20	20	<8.0	<8.0	8.0	7316347
Hexachloroethane	ug/L	<2.0	<2.0	2.0	<5.0	5.0	<2.0	<2.0	2.0	7316347
Isophorone	ug/L	<2.0	<2.0	2.0	<5.0	5.0	<2.0	<2.0	2.0	7316347
Nitrobenzene	ug/L	<2.0	<2.0	2.0	<5.0	5.0	<2.0	<2.0	2.0	7316347
Nitrosodiphenylamine/Diphenylamine	ug/L	<4.0	<4.0	4.0	<10	10	<4.0	<4.0	4.0	7316347
N-Nitroso-di-n-propylamine	ug/L	<2.0	<2.0	2.0	<5.0	5.0	<2.0	<2.0	2.0	7316347
<b>Surrogate Recovery (%)</b>										
2,4,6-Tribromophenol	%	34	73		70		53	58		7316347
2-Fluorobiphenyl	%	40	69		70		67	78		7316347
2-Fluorophenol	%	17	40		46		35	37		7316347
D14-Terphenyl	%	112	113		118		110	116		7316347
D5-Nitrobenzene	%	43	76		76		78	79		7316347
D5-Phenol	%	13	27		29		26	27		7316347
RDL = Reportable Detection Limit QC Batch = Quality Control Batch										



BUREAU  
VERITAS

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### VOLATILE ORGANICS BY GC/MS (WATER)

BV Labs ID		PJD174	PJD175	PJD175		PJD176		PJD177		
Sampling Date		2021/04/19	2021/04/19	2021/04/19		2021/04/19		2021/04/19		
COC Number		819873-05-01	819873-05-01	819873-05-01		819873-05-01		819873-05-01		
	UNITS	68-I	68-II	68-II Lab-Dup	RDL	68-III	RDL	58-I	RDL	QC Batch

Volatile Organics										
Acetone (2-Propanone)	ug/L	<10	<10	<10	10	110	50	<1000	1000	7309926
Benzene	ug/L	<0.10	<0.10	<0.10	0.10	1.2	0.50	20	10	7309926
Bromodichloromethane	ug/L	<0.10	<0.10	<0.10	0.10	<0.50	0.50	<10	10	7309926
Acrolein	ug/L	<10	<10	<10	10	<50	50	<1000	1000	7309930
Bromoform	ug/L	<0.20	<0.20	<0.20	0.20	<1.0	1.0	<20	20	7309926
Bromomethane	ug/L	<0.50	<0.50	<0.50	0.50	<2.5	2.5	<50	50	7309926
Carbon Tetrachloride	ug/L	<0.10	<0.10	<0.10	0.10	<0.50	0.50	<10	10	7309926
Chlorobenzene	ug/L	<0.10	<0.10	<0.10	0.10	<0.50	0.50	<10	10	7309926
Chloroethane	ug/L	<0.20	<0.20	<0.20	0.20	<1.0	1.0	<20	20	7309926
Chloroform	ug/L	<0.10	<0.10	<0.10	0.10	<0.50	0.50	<10	10	7309926
Acrylonitrile	ug/L	<5.0	<5.0	<5.0	5.0	<25	25	<500	500	7309930
Chloromethane	ug/L	<0.50	<0.50	<0.50	0.50	<2.5	2.5	<50	50	7309926
Dibromochloromethane	ug/L	<0.20	<0.20	<0.20	0.20	<1.0	1.0	<20	20	7309926
1,2-Dichlorobenzene	ug/L	<0.20	<0.20	<0.20	0.20	<1.0	1.0	<20	20	7309926
1,3-Dichlorobenzene	ug/L	<0.20	<0.20	<0.20	0.20	<1.0	1.0	<20	20	7309926
1,4-Dichlorobenzene	ug/L	<0.20	<0.20	<0.20	0.20	<1.0	1.0	<20	20	7309926
1,1-Dichloroethane	ug/L	<0.10	<0.10	<0.10	0.10	<0.50	0.50	<10	10	7309926
1,2-Dichloroethane	ug/L	<0.20	<0.20	<0.20	0.20	<1.0	1.0	<20	20	7309926
1,1-Dichloroethylene	ug/L	<0.10	<0.10	<0.10	0.10	<0.50	0.50	<10	10	7309926
cis-1,2-Dichloroethylene	ug/L	<0.10	<0.10	<0.10	0.10	<0.50	0.50	<10	10	7309926
trans-1,2-Dichloroethylene	ug/L	<0.10	<0.10	<0.10	0.10	<0.50	0.50	<10	10	7309926
1,2-Dichloropropane	ug/L	<0.10	<0.10	<0.10	0.10	<0.50	0.50	<10	10	7309926
cis-1,3-Dichloropropene	ug/L	<0.20	<0.20	<0.20	0.20	<1.0	1.0	<20	20	7309926
trans-1,3-Dichloropropene	ug/L	<0.20	<0.20	<0.20	0.20	<1.0	1.0	<20	20	7309926
Ethylbenzene	ug/L	<0.10	<0.10	<0.10	0.10	0.50	0.50	<10	10	7309926
Ethylene Dibromide	ug/L	<0.20	<0.20	<0.20	0.20	<1.0	1.0	<20	20	7309926
Methylene Chloride(Dichloromethane)	ug/L	<0.50	<0.50	<0.50	0.50	<2.5	2.5	<50	50	7309926
Methyl Ethyl Ketone (2-Butanone)	ug/L	<5.0	<5.0	<5.0	5.0	<25	25	<500	500	7309926
Methyl Isobutyl Ketone	ug/L	<5.0	<5.0	<5.0	5.0	<25	25	<500	500	7309926
Methyl t-butyl ether (MTBE)	ug/L	<0.20	<0.20	<0.20	0.20	<1.0	1.0	<20	20	7309926
Styrene	ug/L	<0.20	<0.20	<0.20	0.20	<1.0	1.0	<20	20	7309926
1,1,1,2-Tetrachloroethane	ug/L	<0.20	<0.20	<0.20	0.20	<1.0	1.0	<20	20	7309926
1,1,2,2-Tetrachloroethane	ug/L	<0.20	<0.20	<0.20	0.20	<1.0	1.0	<20	20	7309926
Tetrachloroethylene	ug/L	<0.10	<0.10	<0.10	0.10	<0.50	0.50	<10	10	7309926
Toluene	ug/L	<0.20	<0.20	<0.20	0.20	<1.0	1.0	35	20	7309926

RDL = Reportable Detection Limit  
QC Batch = Quality Control Batch  
Lab-Dup = Laboratory Initiated Duplicate



BUREAU  
VERITAS

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### VOLATILE ORGANICS BY GC/MS (WATER)

BV Labs ID		PJD174	PJD175	PJD175		PJD176		PJD177		
Sampling Date		2021/04/19	2021/04/19	2021/04/19		2021/04/19		2021/04/19		
COC Number		819873-05-01	819873-05-01	819873-05-01		819873-05-01		819873-05-01		
	UNITS	68-I	68-II	68-II Lab-Dup	RDL	68-III	RDL	58-I	RDL	QC Batch
1,1,1-Trichloroethane	ug/L	<0.10	<0.10	<0.10	0.10	<0.50	0.50	<10	10	7309926
1,1,2-Trichloroethane	ug/L	<0.20	<0.20	<0.20	0.20	<1.0	1.0	<20	20	7309926
Trichloroethylene	ug/L	<0.10	<0.10	<0.10	0.10	<0.50	0.50	<10	10	7309926
Trichlorofluoromethane (FREON 11)	ug/L	<0.20	<0.20	<0.20	0.20	<1.0	1.0	<20	20	7309926
Vinyl Chloride	ug/L	<0.20	<0.20	<0.20	0.20	<1.0	1.0	<20	20	7309926
p+m-Xylene	ug/L	<0.10	<0.10	<0.10	0.10	0.94	0.50	42	10	7309926
Methyl Butyl Ketone (2-Hexanone)	ug/L	<5.0	<5.0	<5.0	5.0	<25	25	<500	500	7309930
o-Xylene	ug/L	<0.10	<0.10	<0.10	0.10	0.69	0.50	27	10	7309926
Total Xylenes	ug/L	<0.10	<0.10	<0.10	0.10	1.6	0.50	69	10	7309926
Total Trihalomethanes	ug/L	<0.20	<0.20	<0.20	0.20	<1.0	1.0	<20	20	7309926
<b>Surrogate Recovery (%)</b>										
4-Bromofluorobenzene	%	110	111	108		111		107		7309926
D4-1,2-Dichloroethane	%	91	91	90		92		90		7309926
D8-Toluene	%	97	95	94		96		96		7309926
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate										



BUREAU  
VERITAS

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### VOLATILE ORGANICS BY GC/MS (WATER)

BV Labs ID		PJD182	PJD183		PJD184		PJD185	PJD186		
Sampling Date		2021/04/19	2021/04/19		2021/04/19		2021/04/19	2021/04/19		
COC Number		819873-05-01	819873-05-01		819873-06-01		819873-06-01	819873-06-01		
	UNITS	44-I	44-II	RDL	76-I	RDL	76-II	76-III	RDL	QC Batch

Volatile Organics										
Acetone (2-Propanone)	ug/L	<10	<10	10	<50	50	<10	<10	10	7309926
Benzene	ug/L	<0.10	<0.10	0.10	<0.50	0.50	<0.10	<0.10	0.10	7309926
Bromodichloromethane	ug/L	<0.10	<0.10	0.10	<0.50	0.50	<0.10	<0.10	0.10	7309926
Acrolein	ug/L	<10	<10	10	<50	50	<10	<10	10	7309930
Bromoform	ug/L	<0.20	<0.20	0.20	<1.0	1.0	<0.20	<0.20	0.20	7309926
Bromomethane	ug/L	<0.50	<0.50	0.50	<2.5	2.5	<0.50	<0.50	0.50	7309926
Carbon Tetrachloride	ug/L	<0.10	<0.10	0.10	<0.50	0.50	<0.10	<0.10	0.10	7309926
Chlorobenzene	ug/L	<0.10	<0.10	0.10	<0.50	0.50	<0.10	<0.10	0.10	7309926
Chloroethane	ug/L	<0.20	<0.20	0.20	<1.0	1.0	<0.20	<0.20	0.20	7309926
Chloroform	ug/L	<0.10	<0.10	0.10	<0.50	0.50	<0.10	<0.10	0.10	7309926
Acrylonitrile	ug/L	<5.0	<5.0	5.0	<25	25	<5.0	<5.0	5.0	7309930
Chloromethane	ug/L	<0.50	<0.50	0.50	<2.5	2.5	<0.50	<0.50	0.50	7309926
Dibromochloromethane	ug/L	<0.20	<0.20	0.20	<1.0	1.0	<0.20	<0.20	0.20	7309926
1,2-Dichlorobenzene	ug/L	<0.20	<0.20	0.20	<1.0	1.0	<0.20	<0.20	0.20	7309926
1,3-Dichlorobenzene	ug/L	<0.20	<0.20	0.20	<1.0	1.0	<0.20	<0.20	0.20	7309926
1,4-Dichlorobenzene	ug/L	<0.20	<0.20	0.20	<1.0	1.0	<0.20	<0.20	0.20	7309926
1,1-Dichloroethane	ug/L	<0.10	<0.10	0.10	<0.50	0.50	<0.10	<0.10	0.10	7309926
1,2-Dichloroethane	ug/L	<0.20	<0.20	0.20	<1.0	1.0	<0.20	<0.20	0.20	7309926
1,1-Dichloroethylene	ug/L	<0.10	<0.10	0.10	<0.50	0.50	<0.10	<0.10	0.10	7309926
cis-1,2-Dichloroethylene	ug/L	<0.10	<0.10	0.10	<0.50	0.50	<0.10	<0.10	0.10	7309926
trans-1,2-Dichloroethylene	ug/L	<0.10	<0.10	0.10	<0.50	0.50	<0.10	<0.10	0.10	7309926
1,2-Dichloropropane	ug/L	<0.10	<0.10	0.10	<0.50	0.50	<0.10	<0.10	0.10	7309926
cis-1,3-Dichloropropene	ug/L	<0.20	<0.20	0.20	<1.0	1.0	<0.20	<0.20	0.20	7309926
trans-1,3-Dichloropropene	ug/L	<0.20	<0.20	0.20	<1.0	1.0	<0.20	<0.20	0.20	7309926
Ethylbenzene	ug/L	<0.10	<0.10	0.10	<0.50	0.50	<0.10	<0.10	0.10	7309926
Ethylene Dibromide	ug/L	<0.20	<0.20	0.20	<1.0	1.0	<0.20	<0.20	0.20	7309926
Methylene Chloride(Dichloromethane)	ug/L	<0.50	<0.50	0.50	<2.5	2.5	<0.50	<0.50	0.50	7309926
Methyl Ethyl Ketone (2-Butanone)	ug/L	<5.0	<5.0	5.0	<25	25	<5.0	<5.0	5.0	7309926
Methyl Isobutyl Ketone	ug/L	<5.0	<5.0	5.0	<25	25	<5.0	<5.0	5.0	7309926
Methyl t-butyl ether (MTBE)	ug/L	<0.20	<0.20	0.20	<1.0	1.0	<0.20	<0.20	0.20	7309926
Styrene	ug/L	<0.20	<0.20	0.20	<1.0	1.0	<0.20	<0.20	0.20	7309926
1,1,1,2-Tetrachloroethane	ug/L	<0.20	<0.20	0.20	<1.0	1.0	<0.20	<0.20	0.20	7309926
1,1,1,2,2-Tetrachloroethane	ug/L	<0.20	<0.20	0.20	<1.0	1.0	<0.20	<0.20	0.20	7309926
Tetrachloroethylene	ug/L	<0.10	<0.10	0.10	<0.50	0.50	<0.10	<0.10	0.10	7309926
Toluene	ug/L	<0.20	<0.20	0.20	<1.0	1.0	<0.20	<0.20	0.20	7309926
1,1,1-Trichloroethane	ug/L	<0.10	<0.10	0.10	<0.50	0.50	<0.10	<0.10	0.10	7309926

RDL = Reportable Detection Limit  
QC Batch = Quality Control Batch



**VOLATILE ORGANICS BY GC/MS (WATER)**

BV Labs ID		PJD182	PJD183		PJD184		PJD185	PJD186		
Sampling Date		2021/04/19	2021/04/19		2021/04/19		2021/04/19	2021/04/19		
COC Number		819873-05-01	819873-05-01		819873-06-01		819873-06-01	819873-06-01		
	UNITS	44-I	44-II	RDL	76-I	RDL	76-II	76-III	RDL	QC Batch
1,1,2-Trichloroethane	ug/L	<0.20	<0.20	0.20	<1.0	1.0	<0.20	<0.20	0.20	7309926
Trichloroethylene	ug/L	<0.10	<0.10	0.10	<0.50	0.50	<0.10	<0.10	0.10	7309926
Trichlorofluoromethane (FREON 11)	ug/L	<0.20	<0.20	0.20	<1.0	1.0	<0.20	<0.20	0.20	7309926
Vinyl Chloride	ug/L	<0.20	<0.20	0.20	<1.0	1.0	<0.20	<0.20	0.20	7309926
p+m-Xylene	ug/L	<0.10	<0.10	0.10	<0.50	0.50	<0.10	<0.10	0.10	7309926
Methyl Butyl Ketone (2-Hexanone)	ug/L	<5.0	<5.0	5.0	<25	25	<5.0	<5.0	5.0	7309930
o-Xylene	ug/L	<0.10	<0.10	0.10	<0.50	0.50	<0.10	<0.10	0.10	7309926
Total Xylenes	ug/L	<0.10	<0.10	0.10	<0.50	0.50	<0.10	<0.10	0.10	7309926
Total Trihalomethanes	ug/L	<0.20	<0.20	0.20	<1.0	1.0	<0.20	<0.20	0.20	7309926
<b>Surrogate Recovery (%)</b>										
4-Bromofluorobenzene	%	111	110		113		109	111		7309926
D4-1,2-Dichloroethane	%	91	91		94		91	91		7309926
D8-Toluene	%	97	96		94		95	96		7309926
RDL = Reportable Detection Limit QC Batch = Quality Control Batch										



BUREAU  
VERITAS

BV Labs Job #: C1A4424

Report Date: 2021/04/29

Terrapure Environmental

Client Project #: GW

Sampler Initials: BM

### O.REG 153 OC PESTICIDES (WATER)

BV Labs ID		PJD174	PJD175	PJD176		PJD177		PJD182		
Sampling Date		2021/04/19	2021/04/19	2021/04/19		2021/04/19		2021/04/19		
COC Number		819873-05-01	819873-05-01	819873-05-01		819873-05-01		819873-05-01		
	UNITS	68-I	68-II	68-III	RDL	58-I	RDL	44-I	RDL	QC Batch
<b>Calculated Parameters</b>										
Chlordane (Total)	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7308210
o,p-DDD + p,p-DDD	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7308210
o,p-DDE + p,p-DDE	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7308210
o,p-DDT + p,p-DDT	ug/L	<0.005	<0.005	<0.005	0.005	0.06	0.05	<0.005	0.005	7308210
Total Endosulfan	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7308210
Total PCB	ug/L	<0.05	<0.05	<0.05	0.05	<0.5	0.5	<0.05	0.05	7308210
<b>Pesticides &amp; Herbicides</b>										
Aldrin	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7319009
Dieldrin	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7319009
a-Chlordane	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7319009
g-Chlordane	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7319009
o,p-DDD	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7319009
p,p-DDD	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7319009
o,p-DDE	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7319009
p,p-DDE	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7319009
o,p-DDT	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7319009
p,p-DDT	ug/L	<0.005	<0.005	<0.005	0.005	0.06	0.05	<0.005	0.005	7319009
Lindane	ug/L	<0.003	<0.003	<0.003	0.003	<0.03	0.03	<0.003	0.003	7319009
Endosulfan I (alpha)	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7319009
Endosulfan II (beta)	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7319009
Endrin	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7319009
Heptachlor	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7319009
Heptachlor epoxide	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7319009
Hexachlorobenzene	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7319009
Hexachlorobutadiene	ug/L	<0.009	<0.009	<0.009	0.009	<0.09	0.09	<0.009	0.009	7319009
Hexachloroethane	ug/L	<0.01	<0.01	<0.01	0.01	<0.1	0.1	<0.01	0.01	7319009
Methoxychlor	ug/L	<0.01	<0.01	<0.01	0.01	<0.1	0.1	<0.01	0.01	7319009
Aroclor 1242	ug/L	<0.05	<0.05	<0.05	0.05	<0.5	0.5	<0.05	0.05	7319009
Aroclor 1248	ug/L	<0.05	<0.05	<0.05	0.05	<0.5	0.5	<0.05	0.05	7319009
Aroclor 1254	ug/L	<0.05	<0.05	<0.05	0.05	<0.5	0.5	<0.05	0.05	7319009
Aroclor 1260	ug/L	<0.05	<0.05	<0.05	0.05	<0.5	0.5	<0.05	0.05	7319009
alpha-BHC	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7319009
beta-BHC	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7319009
Endrin aldehyde	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7319009
Endrin ketone	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7319009
Mirex	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7319009
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										





BUREAU  
VERITAS

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

**O.REG 153 OC PESTICIDES (WATER)**

BV Labs ID		PJD174	PJD175	PJD176		PJD177		PJD182		
Sampling Date		2021/04/19	2021/04/19	2021/04/19		2021/04/19		2021/04/19		
COC Number		819873-05-01	819873-05-01	819873-05-01		819873-05-01		819873-05-01		
	UNITS	68-I	68-II	68-III	RDL	58-I	RDL	44-I	RDL	QC Batch
Toxaphene	ug/L	<0.2	<0.2	<0.2	0.2	<2	2	<0.2	0.2	7319009
<b>Surrogate Recovery (%)</b>										
2,4,5,6-Tetrachloro-m-xylene	%	81	76	74		64		85		7319009
Decachlorobiphenyl	%	97	95	81		52		100		7319009
RDL = Reportable Detection Limit QC Batch = Quality Control Batch										



BUREAU  
VERITAS

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

**O.REG 153 OC PESTICIDES (WATER)**

<b>BV Labs ID</b>		PJD183		PJD184		PJD185	PJD186		
<b>Sampling Date</b>		2021/04/19		2021/04/19		2021/04/19	2021/04/19		
<b>COC Number</b>		819873-05-01		819873-06-01		819873-06-01	819873-06-01		
	<b>UNITS</b>	<b>44-II</b>	<b>RDL</b>	<b>76-I</b>	<b>RDL</b>	<b>76-II</b>	<b>76-III</b>	<b>RDL</b>	<b>QC Batch</b>

<b>Calculated Parameters</b>									
Chlordane (Total)	ug/L	<0.005	0.005	<0.05	0.05	<0.005	<0.005	0.005	7308210
o,p-DDD + p,p-DDD	ug/L	<0.005	0.005	<0.05	0.05	<0.005	<0.005	0.005	7308210
o,p-DDE + p,p-DDE	ug/L	<0.005	0.005	<0.05	0.05	<0.005	<0.005	0.005	7308210
o,p-DDT + p,p-DDT	ug/L	<0.005	0.005	<0.05	0.05	<0.005	<0.005	0.005	7308210
Total Endosulfan	ug/L	<0.005	0.005	<0.05	0.05	<0.005	<0.005	0.005	7308210
Total PCB	ug/L	<0.05	0.05	<0.5	0.5	<0.05	<0.05	0.05	7308210

<b>Pesticides &amp; Herbicides</b>									
Aldrin	ug/L	<0.005	0.005	<0.05	0.05	<0.005	<0.005	0.005	7319009
Dieldrin	ug/L	<0.005	0.005	<0.05	0.05	<0.005	<0.005	0.005	7319009
a-Chlordane	ug/L	<0.005	0.005	<0.05	0.05	<0.005	<0.005	0.005	7319009
g-Chlordane	ug/L	<0.005	0.005	<0.05	0.05	<0.005	<0.005	0.005	7319009
o,p-DDD	ug/L	<0.005	0.005	<0.05	0.05	<0.005	<0.005	0.005	7319009
p,p-DDD	ug/L	<0.005	0.005	<0.05	0.05	<0.005	<0.005	0.005	7319009
o,p-DDE	ug/L	<0.005	0.005	<0.05	0.05	<0.005	<0.005	0.005	7319009
p,p-DDE	ug/L	<0.005	0.005	<0.05	0.05	<0.005	<0.005	0.005	7319009
o,p-DDT	ug/L	<0.005	0.005	<0.05	0.05	<0.005	<0.005	0.005	7319009
p,p-DDT	ug/L	<0.005	0.005	<0.05	0.05	<0.005	<0.005	0.005	7319009
Lindane	ug/L	<0.003	0.003	<0.03	0.03	<0.003	<0.003	0.003	7319009
Endosulfan I (alpha)	ug/L	<0.005	0.005	<0.05	0.05	<0.005	<0.005	0.005	7319009
Endosulfan II (beta)	ug/L	<0.005	0.005	<0.05	0.05	<0.005	<0.005	0.005	7319009
Endrin	ug/L	<0.005	0.005	<0.05	0.05	<0.005	<0.005	0.005	7319009
Heptachlor	ug/L	<0.005	0.005	<0.05	0.05	<0.005	<0.005	0.005	7319009
Heptachlor epoxide	ug/L	<0.005	0.005	<0.05	0.05	<0.005	<0.005	0.005	7319009
Hexachlorobenzene	ug/L	<0.005	0.005	<0.05	0.05	<0.005	<0.005	0.005	7319009
Hexachlorobutadiene	ug/L	<0.009	0.009	<0.09	0.09	<0.009	<0.009	0.009	7319009
Hexachloroethane	ug/L	<0.01	0.01	<0.1	0.1	<0.01	<0.01	0.01	7319009
Methoxychlor	ug/L	<0.01	0.01	<0.1	0.1	<0.01	<0.01	0.01	7319009
Aroclor 1242	ug/L	<0.05	0.05	<0.5	0.5	<0.05	<0.05	0.05	7319009
Aroclor 1248	ug/L	<0.05	0.05	<0.5	0.5	<0.05	<0.05	0.05	7319009
Aroclor 1254	ug/L	<0.05	0.05	<0.5	0.5	<0.05	<0.05	0.05	7319009
Aroclor 1260	ug/L	<0.05	0.05	<0.5	0.5	<0.05	<0.05	0.05	7319009
alpha-BHC	ug/L	<0.005	0.005	<0.05	0.05	<0.005	<0.005	0.005	7319009
beta-BHC	ug/L	<0.005	0.005	<0.05	0.05	<0.005	<0.005	0.005	7319009
Endrin aldehyde	ug/L	<0.005	0.005	<0.05	0.05	<0.005	<0.005	0.005	7319009
Endrin ketone	ug/L	<0.005	0.005	<0.05	0.05	<0.005	<0.005	0.005	7319009
Mirex	ug/L	<0.005	0.005	<0.05	0.05	<0.005	<0.005	0.005	7319009

RDL = Reportable Detection Limit  
QC Batch = Quality Control Batch



**O.REG 153 OC PESTICIDES (WATER)**

BV Labs ID		PJD183		PJD184		PJD185	PJD186		
Sampling Date		2021/04/19		2021/04/19		2021/04/19	2021/04/19		
COC Number		819873-05-01		819873-06-01		819873-06-01	819873-06-01		
	UNITS	44-II	RDL	76-I	RDL	76-II	76-III	RDL	QC Batch
Toxaphene	ug/L	<0.2	0.2	<2	2	<0.2	<0.2	0.2	7319009
<b>Surrogate Recovery (%)</b>									
2,4,5,6-Tetrachloro-m-xylene	%	73		75		78	74		7319009
Decachlorobiphenyl	%	82		91		93	90		7319009
RDL = Reportable Detection Limit QC Batch = Quality Control Batch									



BUREAU  
VERITAS

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### TEST SUMMARY

**BV Labs ID:** PJD174  
**Sample ID:** 68-I  
**Matrix:** Water

**Collected:** 2021/04/19  
**Shipped:**  
**Received:** 2021/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in Water by GC/MS	GC/MS	7316347	2021/04/23	2021/04/26	Anh Lieu
Alkalinity	AT	7311654	N/A	2021/04/22	Surinder Rai
Anions	IC	7311766	N/A	2021/04/22	Fari Dehdezi
Conductivity	AT	7311663	N/A	2021/04/22	Surinder Rai
Fluoride	ISE	7311644	2021/04/21	2021/04/22	Surinder Rai
Hardness (calculated as CaCO3)		7308542	N/A	2021/04/27	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314788	N/A	2021/04/27	Daniel Teclu
Total Ammonia-N	LACH/NH4	7312832	N/A	2021/04/23	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7311742	N/A	2021/04/22	Chandra Nandlal
OC Pesticides (Selected) & PCB	GC/ECD	7319009	2021/04/26	2021/04/28	Li Peng
OC Pesticides Summed Parameters	CALC	7308210	N/A	2021/04/22	Automated Statchk
pH	AT	7311667	2021/04/21	2021/04/22	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7310225	N/A	2021/04/23	Bramdeo Motiram
Orthophosphate	KONE	7311737	N/A	2021/04/22	Avneet Kour Sudan
Total Dissolved Solids	BAL	7310302	2021/04/21	2021/04/22	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7312827	2021/04/22	2021/04/23	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7313080	N/A	2021/04/23	Nimarta Singh
Volatile Organic Compounds in Water	P&T/MS	7309926	N/A	2021/04/21	Dina Wang
Non-Routine Volatile Organic Compounds	P&T/MS	7309930	N/A	2021/04/21	Dina Wang

**BV Labs ID:** PJD174 Dup  
**Sample ID:** 68-I  
**Matrix:** Water

**Collected:** 2021/04/19  
**Shipped:**  
**Received:** 2021/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7311742	N/A	2021/04/22	Chandra Nandlal

**BV Labs ID:** PJD175  
**Sample ID:** 68-II  
**Matrix:** Water

**Collected:** 2021/04/19  
**Shipped:**  
**Received:** 2021/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in Water by GC/MS	GC/MS	7316347	2021/04/23	2021/04/27	Anh Lieu
Alkalinity	AT	7311688	N/A	2021/04/22	Surinder Rai
Anions	IC	7311769	N/A	2021/04/22	Fari Dehdezi
Conductivity	AT	7311689	N/A	2021/04/22	Surinder Rai
Fluoride	ISE	7311669	2021/04/21	2021/04/22	Surinder Rai
Hardness (calculated as CaCO3)		7308542	N/A	2021/04/27	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314788	N/A	2021/04/27	Daniel Teclu
Total Ammonia-N	LACH/NH4	7313069	N/A	2021/04/23	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7311742	N/A	2021/04/22	Chandra Nandlal
OC Pesticides (Selected) & PCB	GC/ECD	7319009	2021/04/26	2021/04/28	Li Peng
OC Pesticides Summed Parameters	CALC	7308210	N/A	2021/04/22	Automated Statchk
pH	AT	7311686	2021/04/21	2021/04/22	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7310244	N/A	2021/04/23	Bramdeo Motiram



BUREAU  
VERITAS

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### TEST SUMMARY

**BV Labs ID:** PJD175  
**Sample ID:** 68-II  
**Matrix:** Water

**Collected:** 2021/04/19  
**Shipped:**  
**Received:** 2021/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Orthophosphate	KONE	7311737	N/A	2021/04/22	Avneet Kour Sudan
Total Dissolved Solids	BAL	7310302	2021/04/21	2021/04/22	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7313066	2021/04/22	2021/04/23	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7313080	N/A	2021/04/23	Nimarta Singh
Volatile Organic Compounds in Water	P&T/MS	7309926	N/A	2021/04/21	Dina Wang
Non-Routine Volatile Organic Compounds	P&T/MS	7309930	N/A	2021/04/21	Dina Wang

**BV Labs ID:** PJD175 Dup  
**Sample ID:** 68-II  
**Matrix:** Water

**Collected:** 2021/04/19  
**Shipped:**  
**Received:** 2021/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7311688	N/A	2021/04/22	Surinder Rai
Anions	IC	7311769	N/A	2021/04/22	Fari Dehdezi
Conductivity	AT	7311689	N/A	2021/04/22	Surinder Rai
Fluoride	ISE	7311669	2021/04/21	2021/04/22	Surinder Rai
pH	AT	7311686	2021/04/21	2021/04/22	Surinder Rai
Volatile Organic Compounds in Water	P&T/MS	7309926	N/A	2021/04/21	Dina Wang
Non-Routine Volatile Organic Compounds	P&T/MS	7309930	N/A	2021/04/21	Dina Wang

**BV Labs ID:** PJD176  
**Sample ID:** 68-III  
**Matrix:** Water

**Collected:** 2021/04/19  
**Shipped:**  
**Received:** 2021/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in Water by GC/MS	GC/MS	7316347	2021/04/23	2021/04/27	Anh Lieu
Alkalinity	AT	7311654	N/A	2021/04/22	Surinder Rai
Anions	IC	7311766	N/A	2021/04/22	Fari Dehdezi
Conductivity	AT	7311663	N/A	2021/04/22	Surinder Rai
Fluoride	ISE	7311644	2021/04/21	2021/04/22	Surinder Rai
Hardness (calculated as CaCO3)		7308542	N/A	2021/04/27	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314788	N/A	2021/04/27	Daniel Teclu
Total Ammonia-N	LACH/NH4	7312832	N/A	2021/04/23	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7311742	N/A	2021/04/22	Chandra Nandlal
OC Pesticides (Selected) & PCB	GC/ECD	7319009	2021/04/26	2021/04/28	Li Peng
OC Pesticides Summed Parameters	CALC	7308210	N/A	2021/04/22	Automated Statchk
pH	AT	7311667	2021/04/21	2021/04/22	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7310244	N/A	2021/04/23	Bramdeo Motiram
Orthophosphate	KONE	7311737	N/A	2021/04/22	Avneet Kour Sudan
Total Dissolved Solids	BAL	7310302	2021/04/21	2021/04/22	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7312827	2021/04/22	2021/04/23	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7313080	N/A	2021/04/23	Nimarta Singh
Volatile Organic Compounds in Water	P&T/MS	7309926	N/A	2021/04/21	Dina Wang
Non-Routine Volatile Organic Compounds	P&T/MS	7309930	N/A	2021/04/21	Dina Wang



BUREAU  
VERITAS

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### TEST SUMMARY

**BV Labs ID:** PJD177  
**Sample ID:** 58-I  
**Matrix:** Water

**Collected:** 2021/04/19  
**Shipped:**  
**Received:** 2021/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in Water by GC/MS	GC/MS	7316347	2021/04/23	2021/04/27	Anh Lieu
Alkalinity	AT	7311654	N/A	2021/04/22	Surinder Rai
Anions	IC	7311766	N/A	2021/04/22	Fari Dehdezi
Biochemical Oxygen Demand (BOD)	DO	7310024	2021/04/21	2021/04/26	Surleen Kaur Romana
Conductivity	AT	7311663	N/A	2021/04/22	Surinder Rai
Fluoride	ISE	7311644	2021/04/21	2021/04/22	Surinder Rai
Hardness (calculated as CaCO3)		7308542	N/A	2021/04/27	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314788	N/A	2021/04/27	Daniel Teclu
Total Ammonia-N	LACH/NH4	7312832	N/A	2021/04/23	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7311742	N/A	2021/04/22	Chandra Nandlal
OC Pesticides (Selected) & PCB	GC/ECD	7319009	2021/04/26	2021/04/28	Li Peng
OC Pesticides Summed Parameters	CALC	7308210	N/A	2021/04/22	Automated Statchk
pH	AT	7311667	2021/04/21	2021/04/22	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7310244	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7311737	N/A	2021/04/22	Avneet Kour Sudan
Total Dissolved Solids	BAL	7310302	2021/04/21	2021/04/22	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7312827	2021/04/22	2021/04/23	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7312732	N/A	2021/04/22	Anna-Kay Gooden
Volatile Organic Compounds in Water	P&T/MS	7309926	N/A	2021/04/21	Dina Wang
Non-Routine Volatile Organic Compounds	P&T/MS	7309930	N/A	2021/04/21	Dina Wang

**BV Labs ID:** PJD178  
**Sample ID:** 2-I  
**Matrix:** Water

**Collected:** 2021/04/19  
**Shipped:**  
**Received:** 2021/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7311654	N/A	2021/04/22	Surinder Rai
Anions	IC	7311766	N/A	2021/04/22	Fari Dehdezi
Conductivity	AT	7311663	N/A	2021/04/22	Surinder Rai
Fluoride	ISE	7311644	2021/04/21	2021/04/22	Surinder Rai
Hardness (calculated as CaCO3)		7308542	N/A	2021/04/27	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314788	N/A	2021/04/27	Daniel Teclu
Total Ammonia-N	LACH/NH4	7312832	N/A	2021/04/23	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7311742	N/A	2021/04/22	Chandra Nandlal
pH	AT	7311667	2021/04/21	2021/04/22	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7310244	N/A	2021/04/23	Bramdeo Motiram
Orthophosphate	KONE	7311737	N/A	2021/04/22	Avneet Kour Sudan
Total Dissolved Solids	BAL	7310302	2021/04/21	2021/04/22	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7312827	2021/04/22	2021/04/23	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7313080	N/A	2021/04/23	Nimarta Singh



BUREAU  
VERITAS

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### TEST SUMMARY

**BV Labs ID:** PJD179  
**Sample ID:** P11-I  
**Matrix:** Water

**Collected:** 2021/04/19  
**Shipped:**  
**Received:** 2021/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7311654	N/A	2021/04/22	Surinder Rai
Anions	IC	7311766	N/A	2021/04/22	Fari Dehdezi
Conductivity	AT	7311663	N/A	2021/04/22	Surinder Rai
Fluoride	ISE	7311644	2021/04/21	2021/04/22	Surinder Rai
Hardness (calculated as CaCO3)		7308542	N/A	2021/04/27	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314788	N/A	2021/04/27	Daniel Teclu
Total Ammonia-N	LACH/NH4	7312832	N/A	2021/04/23	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7311742	N/A	2021/04/22	Chandra Nandlal
pH	AT	7311667	2021/04/21	2021/04/22	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7310263	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7311737	N/A	2021/04/22	Avneet Kour Sudan
Total Dissolved Solids	BAL	7310302	2021/04/21	2021/04/22	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7312827	2021/04/22	2021/04/23	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7312732	N/A	2021/04/23	Anna-Kay Gooden

**BV Labs ID:** PJD180  
**Sample ID:** P11-II  
**Matrix:** Water

**Collected:** 2021/04/19  
**Shipped:**  
**Received:** 2021/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7311654	N/A	2021/04/22	Surinder Rai
Anions	IC	7311766	N/A	2021/04/22	Fari Dehdezi
Conductivity	AT	7311663	N/A	2021/04/22	Surinder Rai
Fluoride	ISE	7311644	2021/04/21	2021/04/22	Surinder Rai
Hardness (calculated as CaCO3)		7308542	N/A	2021/04/28	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314787	N/A	2021/04/27	Azita Fazaeli
Total Ammonia-N	LACH/NH4	7312832	N/A	2021/04/23	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7311742	N/A	2021/04/22	Chandra Nandlal
pH	AT	7311667	2021/04/21	2021/04/22	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7310244	N/A	2021/04/23	Bramdeo Motiram
Orthophosphate	KONE	7311737	N/A	2021/04/22	Avneet Kour Sudan
Total Dissolved Solids	BAL	7313835	2021/04/22	2021/04/23	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7312827	2021/04/22	2021/04/23	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7312732	N/A	2021/04/23	Anna-Kay Gooden

**BV Labs ID:** PJD180 Dup  
**Sample ID:** P11-II  
**Matrix:** Water

**Collected:** 2021/04/19  
**Shipped:**  
**Received:** 2021/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Ammonia-N	LACH/NH4	7312832	N/A	2021/04/23	Alina Dobreanu



BUREAU  
VERITAS

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### TEST SUMMARY

**BV Labs ID:** PJD181  
**Sample ID:** P11-III  
**Matrix:** Water

**Collected:** 2021/04/19  
**Shipped:**  
**Received:** 2021/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7311654	N/A	2021/04/22	Surinder Rai
Anions	IC	7311766	N/A	2021/04/22	Fari Dehdezi
Conductivity	AT	7311663	N/A	2021/04/22	Surinder Rai
Fluoride	ISE	7311644	2021/04/21	2021/04/22	Surinder Rai
Hardness (calculated as CaCO3)		7308542	N/A	2021/04/28	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314787	N/A	2021/04/27	Azita Fazaeli
Total Ammonia-N	LACH/NH4	7312832	N/A	2021/04/23	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7311742	N/A	2021/04/22	Chandra Nandlal
pH	AT	7311667	2021/04/21	2021/04/22	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7310244	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7311737	N/A	2021/04/22	Avneet Kour Sudan
Total Dissolved Solids	BAL	7313835	2021/04/22	2021/04/23	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7312827	2021/04/22	2021/04/23	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7313080	N/A	2021/04/23	Nimarta Singh

**BV Labs ID:** PJD182  
**Sample ID:** 44-I  
**Matrix:** Water

**Collected:** 2021/04/19  
**Shipped:**  
**Received:** 2021/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in Water by GC/MS	GC/MS	7316347	2021/04/23	2021/04/27	Anh Lieu
Alkalinity	AT	7311688	N/A	2021/04/22	Surinder Rai
Anions	IC	7311769	N/A	2021/04/22	Fari Dehdezi
Conductivity	AT	7311689	N/A	2021/04/22	Surinder Rai
Fluoride	ISE	7311669	2021/04/21	2021/04/22	Surinder Rai
Hardness (calculated as CaCO3)		7308542	N/A	2021/04/27	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314788	N/A	2021/04/26	Daniel Teclu
Total Ammonia-N	LACH/NH4	7312832	N/A	2021/04/23	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7311747	N/A	2021/04/22	Chandra Nandlal
OC Pesticides (Selected) & PCB	GC/ECD	7319009	2021/04/26	2021/04/28	Li Peng
OC Pesticides Summed Parameters	CALC	7308210	N/A	2021/04/22	Automated Statchk
pH	AT	7311686	2021/04/21	2021/04/22	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7310244	N/A	2021/04/23	Bramdeo Motiram
Orthophosphate	KONE	7311726	N/A	2021/04/22	Avneet Kour Sudan
Total Dissolved Solids	BAL	7313190	2021/04/22	2021/04/23	Sandeep Kaur
Total Kjeldahl Nitrogen in Water	SKAL	7312827	2021/04/22	2021/04/22	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7312732	N/A	2021/04/22	Anna-Kay Gooden
Volatile Organic Compounds in Water	P&T/MS	7309926	N/A	2021/04/21	Dina Wang
Non-Routine Volatile Organic Compounds	P&T/MS	7309930	N/A	2021/04/21	Dina Wang





BUREAU  
VERITAS

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### TEST SUMMARY

**BV Labs ID:** PJD182 Dup  
**Sample ID:** 44-I  
**Matrix:** Water

**Collected:** 2021/04/19  
**Shipped:**  
**Received:** 2021/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Metals by ICPMS	ICP/MS	7314788	N/A	2021/04/26	Daniel Teclu
Phenols (4AAP)	TECH/PHEN	7310244	N/A	2021/04/23	Bramdeo Motiram

**BV Labs ID:** PJD183  
**Sample ID:** 44-II  
**Matrix:** Water

**Collected:** 2021/04/19  
**Shipped:**  
**Received:** 2021/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in Water by GC/MS	GC/MS	7316347	2021/04/23	2021/04/27	Anh Lieu
Alkalinity	AT	7311688	N/A	2021/04/22	Surinder Rai
Anions	IC	7311769	N/A	2021/04/22	Fari Dehdezi
Conductivity	AT	7311689	N/A	2021/04/22	Surinder Rai
Fluoride	ISE	7311669	2021/04/21	2021/04/22	Surinder Rai
Hardness (calculated as CaCO3)		7308542	N/A	2021/04/27	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314788	N/A	2021/04/27	Daniel Teclu
Total Ammonia-N	LACH/NH4	7312832	N/A	2021/04/23	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7311747	N/A	2021/04/22	Chandra Nandlal
OC Pesticides (Selected) & PCB	GC/ECD	7319009	2021/04/26	2021/04/28	Li Peng
OC Pesticides Summed Parameters	CALC	7308210	N/A	2021/04/22	Automated Statchk
pH	AT	7311686	2021/04/21	2021/04/22	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7310263	N/A	2021/04/23	Bramdeo Motiram
Orthophosphate	KONE	7311726	N/A	2021/04/22	Avneet Kour Sudan
Total Dissolved Solids	BAL	7313835	2021/04/22	2021/04/23	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7312827	2021/04/22	2021/04/22	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7313080	N/A	2021/04/23	Nimarta Singh
Volatile Organic Compounds in Water	P&T/MS	7309926	N/A	2021/04/21	Dina Wang
Non-Routine Volatile Organic Compounds	P&T/MS	7309930	N/A	2021/04/21	Dina Wang

**BV Labs ID:** PJD184  
**Sample ID:** 76-I  
**Matrix:** Water

**Collected:** 2021/04/19  
**Shipped:**  
**Received:** 2021/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in Water by GC/MS	GC/MS	7316347	2021/04/23	2021/04/27	Anh Lieu
Alkalinity	AT	7311654	N/A	2021/04/22	Surinder Rai
Anions	IC	7311766	N/A	2021/04/22	Fari Dehdezi
Conductivity	AT	7311663	N/A	2021/04/22	Surinder Rai
Fluoride	ISE	7311644	2021/04/21	2021/04/22	Surinder Rai
Hardness (calculated as CaCO3)		7308542	N/A	2021/04/27	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314788	N/A	2021/04/27	Daniel Teclu
Total Ammonia-N	LACH/NH4	7312832	N/A	2021/04/23	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7311742	N/A	2021/04/23	Chandra Nandlal
OC Pesticides (Selected) & PCB	GC/ECD	7319009	2021/04/26	2021/04/28	Li Peng
OC Pesticides Summed Parameters	CALC	7308210	N/A	2021/04/22	Automated Statchk
pH	AT	7311667	2021/04/21	2021/04/22	Surinder Rai



BUREAU  
VERITAS

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### TEST SUMMARY

**BV Labs ID:** PJD184  
**Sample ID:** 76-I  
**Matrix:** Water

**Collected:** 2021/04/19  
**Shipped:**  
**Received:** 2021/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Phenols (4AAP)	TECH/PHEN	7310263	N/A	2021/04/26	Bramdeo Motiram
Orthophosphate	KONE	7311737	N/A	2021/04/22	Avneet Kour Sudan
Total Dissolved Solids	BAL	7310302	2021/04/21	2021/04/22	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7312827	2021/04/22	2021/04/23	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7312732	N/A	2021/04/22	Anna-Kay Gooden
Volatile Organic Compounds in Water	P&T/MS	7309926	N/A	2021/04/21	Dina Wang
Non-Routine Volatile Organic Compounds	P&T/MS	7309930	N/A	2021/04/21	Dina Wang

**BV Labs ID:** PJD185  
**Sample ID:** 76-II  
**Matrix:** Water

**Collected:** 2021/04/19  
**Shipped:**  
**Received:** 2021/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in Water by GC/MS	GC/MS	7316347	2021/04/23	2021/04/27	Anh Lieu
Alkalinity	AT	7311654	N/A	2021/04/22	Surinder Rai
Anions	IC	7311766	N/A	2021/04/22	Fari Dehdezi
Conductivity	AT	7311663	N/A	2021/04/22	Surinder Rai
Fluoride	ISE	7311644	2021/04/21	2021/04/22	Surinder Rai
Hardness (calculated as CaCO3)		7308542	N/A	2021/04/27	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314788	N/A	2021/04/26	Daniel Teclu
Total Ammonia-N	LACH/NH4	7312832	N/A	2021/04/23	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7311742	N/A	2021/04/22	Chandra Nandlal
OC Pesticides (Selected) & PCB	GC/ECD	7319009	2021/04/26	2021/04/28	Li Peng
OC Pesticides Summed Parameters	CALC	7308210	N/A	2021/04/22	Automated Statchk
pH	AT	7311667	2021/04/21	2021/04/22	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7310263	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7311737	N/A	2021/04/22	Avneet Kour Sudan
Total Dissolved Solids	BAL	7310302	2021/04/21	2021/04/22	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7312827	2021/04/22	2021/04/22	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7313080	N/A	2021/04/23	Nimarta Singh
Volatile Organic Compounds in Water	P&T/MS	7309926	N/A	2021/04/21	Dina Wang
Non-Routine Volatile Organic Compounds	P&T/MS	7309930	N/A	2021/04/21	Dina Wang

**BV Labs ID:** PJD185 Dup  
**Sample ID:** 76-II  
**Matrix:** Water

**Collected:** 2021/04/19  
**Shipped:**  
**Received:** 2021/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7311654	N/A	2021/04/22	Surinder Rai
Anions	IC	7311766	N/A	2021/04/22	Fari Dehdezi
Conductivity	AT	7311663	N/A	2021/04/22	Surinder Rai
Fluoride	ISE	7311644	2021/04/21	2021/04/22	Surinder Rai
pH	AT	7311667	2021/04/21	2021/04/22	Surinder Rai



BUREAU  
VERITAS

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### TEST SUMMARY

**BV Labs ID:** PJD186  
**Sample ID:** 76-III  
**Matrix:** Water

**Collected:** 2021/04/19  
**Shipped:**  
**Received:** 2021/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in Water by GC/MS	GC/MS	7316347	2021/04/23	2021/04/27	Anh Lieu
Alkalinity	AT	7311688	N/A	2021/04/22	Surinder Rai
Anions	IC	7311769	N/A	2021/04/22	Fari Dehdezi
Conductivity	AT	7311689	N/A	2021/04/22	Surinder Rai
Fluoride	ISE	7311669	2021/04/21	2021/04/22	Surinder Rai
Hardness (calculated as CaCO3)		7308542	N/A	2021/04/28	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314787	N/A	2021/04/27	Azita Fazaeli
Total Ammonia-N	LACH/NH4	7313069	N/A	2021/04/23	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7311747	N/A	2021/04/22	Chandra Nandlal
OC Pesticides (Selected) & PCB	GC/ECD	7319009	2021/04/26	2021/04/28	Li Peng
OC Pesticides Summed Parameters	CALC	7308210	N/A	2021/04/22	Automated Statchk
pH	AT	7311686	2021/04/21	2021/04/22	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7310244	N/A	2021/04/23	Bramdeo Motiram
Orthophosphate	KONE	7311726	N/A	2021/04/22	Avneet Kour Sudan
Total Dissolved Solids	BAL	7310302	2021/04/21	2021/04/22	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7313066	2021/04/22	2021/04/22	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7313080	N/A	2021/04/23	Nimarta Singh
Volatile Organic Compounds in Water	P&T/MS	7309926	N/A	2021/04/21	Dina Wang
Non-Routine Volatile Organic Compounds	P&T/MS	7309930	N/A	2021/04/21	Dina Wang

**BV Labs ID:** PJD187  
**Sample ID:** 45-I  
**Matrix:** Water

**Collected:** 2021/04/19  
**Shipped:**  
**Received:** 2021/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7311654	N/A	2021/04/22	Surinder Rai
Anions	IC	7311766	N/A	2021/04/22	Fari Dehdezi
Conductivity	AT	7311663	N/A	2021/04/22	Surinder Rai
Fluoride	ISE	7311644	2021/04/21	2021/04/22	Surinder Rai
Hardness (calculated as CaCO3)		7308542	N/A	2021/04/27	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314788	N/A	2021/04/27	Daniel Teclu
Total Ammonia-N	LACH/NH4	7313069	N/A	2021/04/23	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7311742	N/A	2021/04/22	Chandra Nandlal
pH	AT	7311667	2021/04/21	2021/04/22	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7310279	N/A	2021/04/23	Bramdeo Motiram
Orthophosphate	KONE	7311737	N/A	2021/04/22	Avneet Kour Sudan
Total Dissolved Solids	BAL	7310302	2021/04/21	2021/04/22	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7313066	2021/04/22	2021/04/22	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7313080	N/A	2021/04/23	Nimarta Singh



BUREAU  
VERITAS

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### TEST SUMMARY

**BV Labs ID:** PJD187 Dup  
**Sample ID:** 45-I  
**Matrix:** Water

**Collected:** 2021/04/19  
**Shipped:**  
**Received:** 2021/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Dissolved Solids	BAL	7310302	2021/04/21	2021/04/22	Shivani Desai

**BV Labs ID:** PJD188  
**Sample ID:** 45-II  
**Matrix:** Water

**Collected:** 2021/04/19  
**Shipped:**  
**Received:** 2021/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7311688	N/A	2021/04/22	Surinder Rai
Anions	IC	7311769	N/A	2021/04/22	Fari Dehdezi
Conductivity	AT	7311689	N/A	2021/04/22	Surinder Rai
Fluoride	ISE	7311669	2021/04/21	2021/04/22	Surinder Rai
Hardness (calculated as CaCO3)		7308542	N/A	2021/04/27	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314788	N/A	2021/04/26	Daniel Teclu
Total Ammonia-N	LACH/NH4	7312832	N/A	2021/04/23	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7311747	N/A	2021/04/22	Chandra Nandlal
pH	AT	7311686	2021/04/21	2021/04/22	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7310244	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7311726	N/A	2021/04/22	Avneet Kour Sudan
Total Dissolved Solids	BAL	7310302	2021/04/21	2021/04/22	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7312827	2021/04/22	2021/04/22	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7312732	N/A	2021/04/22	Anna-Kay Gooden

**BV Labs ID:** PJD189  
**Sample ID:** 14-I  
**Matrix:** Water

**Collected:** 2021/04/19  
**Shipped:**  
**Received:** 2021/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7311654	N/A	2021/04/22	Surinder Rai
Anions	IC	7311766	N/A	2021/04/22	Fari Dehdezi
Conductivity	AT	7311663	N/A	2021/04/22	Surinder Rai
Fluoride	ISE	7311644	2021/04/21	2021/04/22	Surinder Rai
Hardness (calculated as CaCO3)		7308542	N/A	2021/04/27	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314788	N/A	2021/04/27	Daniel Teclu
Total Ammonia-N	LACH/NH4	7312832	N/A	2021/04/23	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7311742	N/A	2021/04/22	Chandra Nandlal
pH	AT	7311667	2021/04/21	2021/04/22	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7310279	N/A	2021/04/23	Bramdeo Motiram
Orthophosphate	KONE	7311737	N/A	2021/04/22	Avneet Kour Sudan
Total Dissolved Solids	BAL	7310302	2021/04/21	2021/04/22	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7312827	2021/04/22	2021/04/22	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7312732	N/A	2021/04/22	Anna-Kay Gooden



BUREAU  
VERITAS

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### TEST SUMMARY

**BV Labs ID:** PJD189 Dup  
**Sample ID:** 14-I  
**Matrix:** Water

**Collected:** 2021/04/19  
**Shipped:**  
**Received:** 2021/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Phenols (4AAP)	TECH/PHEN	7310279	N/A	2021/04/23	Bramdeo Motiram

**BV Labs ID:** PJD190  
**Sample ID:** 42-II  
**Matrix:** Water

**Collected:** 2021/04/19  
**Shipped:**  
**Received:** 2021/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7311688	N/A	2021/04/22	Surinder Rai
Anions	IC	7311769	N/A	2021/04/22	Fari Dehdezi
Conductivity	AT	7311689	N/A	2021/04/22	Surinder Rai
Fluoride	ISE	7311669	2021/04/21	2021/04/22	Surinder Rai
Hardness (calculated as CaCO3)		7308542	N/A	2021/04/27	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314788	N/A	2021/04/27	Daniel Teclu
Total Ammonia-N	LACH/NH4	7312832	N/A	2021/04/23	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7311747	N/A	2021/04/22	Chandra Nandlal
pH	AT	7311686	2021/04/21	2021/04/22	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7310279	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7311726	N/A	2021/04/22	Avneet Kour Sudan
Total Dissolved Solids	BAL	7310302	2021/04/21	2021/04/22	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7312827	2021/04/22	2021/04/23	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7312732	N/A	2021/04/22	Anna-Kay Gooden

**BV Labs ID:** PJD191  
**Sample ID:** 42-III  
**Matrix:** Water

**Collected:** 2021/04/19  
**Shipped:**  
**Received:** 2021/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7311654	N/A	2021/04/22	Surinder Rai
Anions	IC	7311766	N/A	2021/04/22	Fari Dehdezi
Conductivity	AT	7311663	N/A	2021/04/22	Surinder Rai
Fluoride	ISE	7311644	2021/04/21	2021/04/22	Surinder Rai
Hardness (calculated as CaCO3)		7308542	N/A	2021/04/27	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314788	N/A	2021/04/27	Daniel Teclu
Total Ammonia-N	LACH/NH4	7312832	N/A	2021/04/23	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7311742	N/A	2021/04/22	Chandra Nandlal
pH	AT	7311667	2021/04/21	2021/04/22	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7310244	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7311737	N/A	2021/04/22	Avneet Kour Sudan
Total Dissolved Solids	BAL	7310302	2021/04/21	2021/04/22	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7312827	2021/04/22	2021/04/23	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7312732	N/A	2021/04/22	Anna-Kay Gooden



BUREAU  
VERITAS

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### TEST SUMMARY

**BV Labs ID:** PJD192  
**Sample ID:** 31-I  
**Matrix:** Water

**Collected:** 2021/04/19  
**Shipped:**  
**Received:** 2021/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7311654	N/A	2021/04/22	Surinder Rai
Anions	IC	7311766	N/A	2021/04/22	Fari Dehdezi
Conductivity	AT	7311663	N/A	2021/04/22	Surinder Rai
Fluoride	ISE	7311644	2021/04/21	2021/04/22	Surinder Rai
Hardness (calculated as CaCO3)		7308542	N/A	2021/04/27	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314788	N/A	2021/04/27	Daniel Teclu
Total Ammonia-N	LACH/NH4	7312832	N/A	2021/04/23	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7311742	N/A	2021/04/22	Chandra Nandlal
pH	AT	7311667	2021/04/21	2021/04/22	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7310263	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7311737	N/A	2021/04/22	Avneet Kour Sudan
Total Dissolved Solids	BAL	7310302	2021/04/21	2021/04/22	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7312827	2021/04/22	2021/04/23	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7312732	N/A	2021/04/23	Anna-Kay Gooden

**BV Labs ID:** PJD193  
**Sample ID:** 31-III  
**Matrix:** Water

**Collected:** 2021/04/19  
**Shipped:**  
**Received:** 2021/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7311654	N/A	2021/04/22	Surinder Rai
Anions	IC	7311766	N/A	2021/04/22	Fari Dehdezi
Conductivity	AT	7311663	N/A	2021/04/22	Surinder Rai
Fluoride	ISE	7311644	2021/04/21	2021/04/22	Surinder Rai
Hardness (calculated as CaCO3)		7308542	N/A	2021/04/27	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314788	N/A	2021/04/27	Daniel Teclu
Total Ammonia-N	LACH/NH4	7312832	N/A	2021/04/23	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7311742	N/A	2021/04/22	Chandra Nandlal
pH	AT	7311667	2021/04/21	2021/04/22	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7310244	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7311737	N/A	2021/04/22	Avneet Kour Sudan
Total Dissolved Solids	BAL	7310302	2021/04/21	2021/04/22	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7312827	2021/04/22	2021/04/23	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7313080	N/A	2021/04/23	Nimarta Singh

**BV Labs ID:** PJD194  
**Sample ID:** 30-I  
**Matrix:** Water

**Collected:** 2021/04/19  
**Shipped:**  
**Received:** 2021/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7311654	N/A	2021/04/22	Surinder Rai
Anions	IC	7311766	N/A	2021/04/22	Fari Dehdezi
Conductivity	AT	7311663	N/A	2021/04/22	Surinder Rai
Fluoride	ISE	7311644	2021/04/21	2021/04/22	Surinder Rai
Hardness (calculated as CaCO3)		7308542	N/A	2021/04/28	Automated Statchk



BUREAU  
VERITAS

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### TEST SUMMARY

**BV Labs ID:** PJD194  
**Sample ID:** 30-I  
**Matrix:** Water

**Collected:** 2021/04/19  
**Shipped:**  
**Received:** 2021/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Metals by ICPMS	ICP/MS	7314787	N/A	2021/04/28	Azita Fazaeli
Total Ammonia-N	LACH/NH4	7312832	N/A	2021/04/23	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7311742	N/A	2021/04/22	Chandra Nandlal
pH	AT	7311667	2021/04/21	2021/04/22	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7310279	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7311737	N/A	2021/04/22	Avneet Kour Sudan
Total Dissolved Solids	BAL	7313835	2021/04/22	2021/04/23	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7312827	2021/04/22	2021/04/23	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7313080	N/A	2021/04/23	Nimarta Singh

**BV Labs ID:** PJD194 Dup  
**Sample ID:** 30-I  
**Matrix:** Water

**Collected:** 2021/04/19  
**Shipped:**  
**Received:** 2021/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Dissolved Solids	BAL	7313835	2021/04/22	2021/04/23	Shivani Desai
Total Organic Carbon (TOC)	TOCV/NDIR	7313080	N/A	2021/04/23	Nimarta Singh

**BV Labs ID:** PJD195  
**Sample ID:** 30-II  
**Matrix:** Water

**Collected:** 2021/04/19  
**Shipped:**  
**Received:** 2021/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7311654	N/A	2021/04/22	Surinder Rai
Anions	IC	7311766	N/A	2021/04/22	Fari Dehdezi
Conductivity	AT	7311663	N/A	2021/04/22	Surinder Rai
Fluoride	ISE	7311644	2021/04/21	2021/04/22	Surinder Rai
Hardness (calculated as CaCO3)		7308542	N/A	2021/04/27	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314788	N/A	2021/04/27	Daniel Teclu
Total Ammonia-N	LACH/NH4	7313069	N/A	2021/04/23	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7311742	N/A	2021/04/22	Chandra Nandlal
pH	AT	7311667	2021/04/21	2021/04/22	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7310279	N/A	2021/04/23	Bramdeo Motiram
Orthophosphate	KONE	7311737	N/A	2021/04/22	Avneet Kour Sudan
Total Dissolved Solids	BAL	7310302	2021/04/21	2021/04/22	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7313066	2021/04/22	2021/04/22	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7313080	N/A	2021/04/23	Nimarta Singh

**BV Labs ID:** PJD196  
**Sample ID:** P1-I  
**Matrix:** Water

**Collected:** 2021/04/19  
**Shipped:**  
**Received:** 2021/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7311654	N/A	2021/04/22	Surinder Rai
Anions	IC	7311766	N/A	2021/04/22	Fari Dehdezi





BUREAU  
VERITAS

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### TEST SUMMARY

**BV Labs ID:** PJD196  
**Sample ID:** P1-I  
**Matrix:** Water

**Collected:** 2021/04/19  
**Shipped:**  
**Received:** 2021/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Conductivity	AT	7311663	N/A	2021/04/22	Surinder Rai
Fluoride	ISE	7311644	2021/04/21	2021/04/22	Surinder Rai
Hardness (calculated as CaCO3)		7308542	N/A	2021/04/27	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314788	N/A	2021/04/27	Daniel Teclu
Total Ammonia-N	LACH/NH4	7313069	N/A	2021/04/23	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7311742	N/A	2021/04/22	Chandra Nandlal
pH	AT	7311667	2021/04/21	2021/04/22	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7310279	N/A	2021/04/23	Bramdeo Motiram
Orthophosphate	KONE	7311737	N/A	2021/04/22	Avneet Kour Sudan
Total Dissolved Solids	BAL	7310302	2021/04/21	2021/04/22	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7313066	2021/04/22	2021/04/23	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7313080	N/A	2021/04/23	Nimarta Singh

**BV Labs ID:** PJD197  
**Sample ID:** P1-II  
**Matrix:** Water

**Collected:** 2021/04/19  
**Shipped:**  
**Received:** 2021/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7311654	N/A	2021/04/22	Surinder Rai
Anions	IC	7311766	N/A	2021/04/22	Fari Dehdezi
Conductivity	AT	7311663	N/A	2021/04/22	Surinder Rai
Fluoride	ISE	7311644	2021/04/21	2021/04/22	Surinder Rai
Hardness (calculated as CaCO3)		7308542	N/A	2021/04/28	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314787	N/A	2021/04/28	Azita Fazaeli
Total Ammonia-N	LACH/NH4	7312832	N/A	2021/04/23	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7311742	N/A	2021/04/22	Chandra Nandlal
pH	AT	7311667	2021/04/21	2021/04/22	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7310263	N/A	2021/04/23	Bramdeo Motiram
Orthophosphate	KONE	7311737	N/A	2021/04/22	Avneet Kour Sudan
Total Dissolved Solids	BAL	7310302	2021/04/21	2021/04/22	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7312827	2021/04/22	2021/04/23	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7312732	N/A	2021/04/23	Anna-Kay Gooden

**BV Labs ID:** PJD197 Dup  
**Sample ID:** P1-II  
**Matrix:** Water

**Collected:** 2021/04/19  
**Shipped:**  
**Received:** 2021/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Kjeldahl Nitrogen in Water	SKAL	7312827	2021/04/22	2021/04/23	Rajni Tyagi





BUREAU  
VERITAS

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### TEST SUMMARY

**BV Labs ID:** PJD198  
**Sample ID:** P1-III  
**Matrix:** Water

**Collected:** 2021/04/19  
**Shipped:**  
**Received:** 2021/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7311654	N/A	2021/04/22	Surinder Rai
Anions	IC	7311766	N/A	2021/04/22	Fari Dehdezi
Conductivity	AT	7311663	N/A	2021/04/22	Surinder Rai
Fluoride	ISE	7311644	2021/04/21	2021/04/22	Surinder Rai
Hardness (calculated as CaCO3)		7308542	N/A	2021/04/27	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314788	N/A	2021/04/27	Daniel Teclu
Total Ammonia-N	LACH/NH4	7312832	N/A	2021/04/23	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7311742	N/A	2021/04/22	Chandra Nandlal
pH	AT	7311667	2021/04/21	2021/04/22	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7310263	N/A	2021/04/23	Bramdeo Motiram
Orthophosphate	KONE	7311737	N/A	2021/04/22	Avneet Kour Sudan
Total Dissolved Solids	BAL	7310302	2021/04/21	2021/04/22	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7312827	2021/04/22	2021/04/23	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7312732	N/A	2021/04/22	Anna-Kay Gooden

**BV Labs ID:** PJD198 Dup  
**Sample ID:** P1-III  
**Matrix:** Water

**Collected:** 2021/04/19  
**Shipped:**  
**Received:** 2021/04/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Orthophosphate	KONE	7311737	N/A	2021/04/22	Avneet Kour Sudan



### GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	2.3°C
Package 2	3.0°C
Package 3	0.0°C
Package 4	1.3°C
Package 5	1.3°C
Package 6	0.7°C
Package 7	2.0°C
Package 8	1.3°C
Package 9	1.3°C

VOC Water Analysis: Due to foaming, some of the samples required dilution. The detection limits were adjusted accordingly.

Anions Analysis: Due to the sample matrix, sample required dilution. Detection limits were adjusted accordingly.

ABN analysis: Due to the nature of the sample matrix, a smaller than usual portion of the sample was used for extraction. Detection limits were adjusted accordingly. Detection limits were raised for 2,4-dinitrophenol, 4-nitrophenol and Pentachlorophenol due to matrix interference.

Sample PJD174 [68-I] : Metals Analysis: Due to the sample matrix, sample required dilution. Detection limits were adjusted accordingly.

Sample PJD176 [68-III] : TKN < Ammonia: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Sample PJD177 [58-I] : ABN analysis: Due to high concentrations of the target analytes, sample required dilution. Detection limits were adjusted accordingly.

OC Pesticide Analysis: Due to the nature of the sample matrix, a smaller portion of the sample was extracted. DLs were adjusted accordingly.

Sample PJD179 [P11-I] : TKN < Ammonia: Both values fall within the method uncertainty for duplicates and are likely equivalent.  
Metals Analysis: Due to the sample matrix, sample required dilution. Detection limits were adjusted accordingly.

Sample PJD184 [76-I] : Nitrite/Nitrate: Due to the sample matrix, sample required dilution. Detection limit was adjusted accordingly.  
Metals Analysis: Due to the sample matrix, sample required dilution. Detection limits were adjusted accordingly.

OC Pesticide Analysis: Due to the nature of the sample matrix, a smaller portion of the sample was extracted. DLs were adjusted accordingly.

Sample PJD190 [42-II] : Metals Analysis: Due to the sample matrix, sample required dilution. Detection limits were adjusted accordingly.

Sample PJD192 [31-I] : TKN < Ammonia: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Sample PJD193 [31-III] : TKN < Ammonia: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Sample PJD196 [P1-I] : TKN < Ammonia: Both values fall within the method uncertainty for duplicates and are likely equivalent.  
Metals Analysis: Due to the sample matrix, sample required dilution. Detection limits were adjusted accordingly.

Sample PJD197 [P1-II] : TKN < Ammonia: Both values fall within the method uncertainty for duplicates and are likely equivalent.

**Results relate only to the items tested.**



**BUREAU**  
**VERITAS**

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM



BUREAU  
VERITAS

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

### QUALITY ASSURANCE REPORT

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7309926	4-Bromofluorobenzene	2021/04/21	107	70 - 130	111	70 - 130	110	%				
7309926	D4-1,2-Dichloroethane	2021/04/21	88	70 - 130	88	70 - 130	87	%				
7309926	D8-Toluene	2021/04/21	98	70 - 130	99	70 - 130	99	%				
7316347	2,4,6-Tribromophenol	2021/04/26	97	10 - 130	89	10 - 130	53	%				
7316347	2-Fluorobiphenyl	2021/04/26	87	30 - 130	82	30 - 130	76	%				
7316347	2-Fluorophenol	2021/04/26	50	10 - 130	42	10 - 130	24	%				
7316347	D14-Terphenyl	2021/04/26	111	30 - 130	101	30 - 130	101	%				
7316347	D5-Nitrobenzene	2021/04/26	88	30 - 130	99	30 - 130	76	%				
7316347	D5-Phenol	2021/04/26	30	10 - 130	35	10 - 130	25	%				
7319009	2,4,5,6-Tetrachloro-m-xylene	2021/04/28	76	50 - 130	80	50 - 130	72	%				
7319009	Decachlorobiphenyl	2021/04/28	96	50 - 130	93	50 - 130	83	%				
7309926	1,1,1,2-Tetrachloroethane	2021/04/21	90	70 - 130	96	70 - 130	<0.20	ug/L	NC	30		
7309926	1,1,1-Trichloroethane	2021/04/21	94	70 - 130	98	70 - 130	<0.10	ug/L	NC	30		
7309926	1,1,2,2-Tetrachloroethane	2021/04/21	94	70 - 130	102	70 - 130	<0.20	ug/L	NC	30		
7309926	1,1,2-Trichloroethane	2021/04/21	89	70 - 130	95	70 - 130	<0.20	ug/L	NC	30		
7309926	1,1-Dichloroethane	2021/04/21	86	70 - 130	90	70 - 130	<0.10	ug/L	NC	30		
7309926	1,1-Dichloroethylene	2021/04/21	80	70 - 130	86	70 - 130	<0.10	ug/L	NC	30		
7309926	1,2-Dichlorobenzene	2021/04/21	93	70 - 130	98	70 - 130	<0.20	ug/L	NC	30		
7309926	1,2-Dichloroethane	2021/04/21	79	70 - 130	84	70 - 130	<0.20	ug/L	NC	30		
7309926	1,2-Dichloropropane	2021/04/21	95	70 - 130	99	70 - 130	<0.10	ug/L	NC	30		
7309926	1,3-Dichlorobenzene	2021/04/21	87	70 - 130	91	70 - 130	<0.20	ug/L	NC	30		
7309926	1,4-Dichlorobenzene	2021/04/21	99	70 - 130	103	70 - 130	<0.20	ug/L	NC	30		
7309926	Acetone (2-Propanone)	2021/04/21	74	60 - 140	81	60 - 140	<10	ug/L	NC	30		
7309926	Benzene	2021/04/21	90	70 - 130	93	70 - 130	<0.10	ug/L	NC	30		
7309926	Bromodichloromethane	2021/04/21	94	70 - 130	99	70 - 130	<0.10	ug/L	NC	30		
7309926	Bromoform	2021/04/21	97	70 - 130	105	70 - 130	<0.20	ug/L	NC	30		
7309926	Bromomethane	2021/04/21	44 (1)	60 - 140	47 (1)	60 - 140	<0.50	ug/L	NC	30		
7309926	Carbon Tetrachloride	2021/04/21	99	70 - 130	102	70 - 130	<0.10	ug/L	NC	30		
7309926	Chlorobenzene	2021/04/21	91	70 - 130	95	70 - 130	<0.10	ug/L	NC	30		
7309926	Chloroethane	2021/04/21	64 (1)	70 - 130	68 (1)	70 - 130	<0.20	ug/L	NC	30		
7309926	Chloroform	2021/04/21	89	70 - 130	93	70 - 130	<0.10	ug/L	NC	30		



BUREAU  
VERITAS

BV Labs Job #: C1A4424

Report Date: 2021/04/29

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental

Client Project #: GW

Sampler Initials: BM

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7309926	Chloromethane	2021/04/21	88	60 - 140	74	60 - 140	<0.50	ug/L	NC	30		
7309926	cis-1,2-Dichloroethylene	2021/04/21	92	70 - 130	98	70 - 130	<0.10	ug/L	NC	30		
7309926	cis-1,3-Dichloropropene	2021/04/21	97	70 - 130	102	70 - 130	<0.20	ug/L	NC	30		
7309926	Dibromochloromethane	2021/04/21	91	70 - 130	97	70 - 130	<0.20	ug/L	NC	30		
7309926	Ethylbenzene	2021/04/21	90	70 - 130	92	70 - 130	<0.10	ug/L	NC	30		
7309926	Ethylene Dibromide	2021/04/21	89	70 - 130	94	70 - 130	<0.20	ug/L	NC	30		
7309926	Methyl Ethyl Ketone (2-Butanone)	2021/04/21	91	60 - 140	93	60 - 140	<5.0	ug/L	NC	30		
7309926	Methyl Isobutyl Ketone	2021/04/21	97	70 - 130	91	70 - 130	<5.0	ug/L	NC	30		
7309926	Methyl t-butyl ether (MTBE)	2021/04/21	92	70 - 130	97	70 - 130	<0.20	ug/L	NC	30		
7309926	Methylene Chloride(Dichloromethane)	2021/04/21	89	70 - 130	97	70 - 130	<0.50	ug/L	NC	30		
7309926	o-Xylene	2021/04/21	94	70 - 130	99	70 - 130	<0.10	ug/L	NC	30		
7309926	p+m-Xylene	2021/04/21	100	70 - 130	104	70 - 130	<0.10	ug/L	NC	30		
7309926	Styrene	2021/04/21	104	70 - 130	110	70 - 130	<0.20	ug/L	NC	30		
7309926	Tetrachloroethylene	2021/04/21	95	70 - 130	99	70 - 130	<0.10	ug/L	NC	30		
7309926	Toluene	2021/04/21	93	70 - 130	96	70 - 130	<0.20	ug/L	NC	30		
7309926	Total Trihalomethanes	2021/04/21					<0.20	ug/L	NC	30		
7309926	Total Xylenes	2021/04/21					<0.10	ug/L	NC	30		
7309926	trans-1,2-Dichloroethylene	2021/04/21	92	70 - 130	93	70 - 130	<0.10	ug/L	NC	30		
7309926	trans-1,3-Dichloropropene	2021/04/21	94	70 - 130	100	70 - 130	<0.20	ug/L	NC	30		
7309926	Trichloroethylene	2021/04/21	100	70 - 130	102	70 - 130	<0.10	ug/L	NC	30		
7309926	Trichlorofluoromethane (FREON 11)	2021/04/21	76	70 - 130	83	70 - 130	<0.20	ug/L	NC	30		
7309926	Vinyl Chloride	2021/04/21	71	70 - 130	80	70 - 130	<0.20	ug/L	NC	30		
7309930	Acrolein	2021/04/21	94	60 - 140	108	60 - 140	<10	ug/L	NC	30		
7309930	Acrylonitrile	2021/04/21	110	60 - 140	112	60 - 140	<5.0	ug/L	NC	30		
7309930	Methyl Butyl Ketone (2-Hexanone)	2021/04/21	112	60 - 140	97	60 - 140	<5.0	ug/L	NC	30		
7310024	Total BOD	2021/04/26					<2	mg/L	NC	30	100	80 - 120
7310225	Phenols-4AAP	2021/04/23	103	80 - 120	101	80 - 120	<0.0010	mg/L	2.9	20		
7310244	Phenols-4AAP	2021/04/23	90	80 - 120	97	80 - 120	<0.0010	mg/L	NC	20		
7310263	Phenols-4AAP	2021/04/23	101	80 - 120	101	80 - 120	<0.0010	mg/L	NC	20		
7310279	Phenols-4AAP	2021/04/23	100	80 - 120	103	80 - 120	<0.0010	mg/L	NC	20		
7310302	Total Dissolved Solids	2021/04/22					<10	mg/L	0	25	97	90 - 110



BUREAU  
VERITAS

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7311644	Fluoride (F-)	2021/04/22	98	80 - 120	105	80 - 120	<0.10	mg/L	8.9	20		
7311654	Alkalinity (Total as CaCO3)	2021/04/22			96	85 - 115	<1.0	mg/L	0.38	20		
7311663	Conductivity	2021/04/22			101	85 - 115	<1.0	umho/cm	0.42	25		
7311667	pH	2021/04/22			102	98 - 103			0.34	N/A		
7311669	Fluoride (F-)	2021/04/22	83	80 - 120	103	80 - 120	<0.10	mg/L	8.4	20		
7311686	pH	2021/04/22			102	98 - 103			0.081	N/A		
7311688	Alkalinity (Total as CaCO3)	2021/04/22			95	85 - 115	<1.0	mg/L	1.9	20		
7311689	Conductivity	2021/04/22			101	85 - 115	<1.0	umho/cm	0.27	25		
7311726	Orthophosphate (P)	2021/04/22	105	75 - 125	100	80 - 120	<0.010	mg/L	NC	25		
7311737	Orthophosphate (P)	2021/04/22	112	75 - 125	100	80 - 120	<0.010	mg/L	5.1	25		
7311742	Nitrate (N)	2021/04/22	91	80 - 120	90	80 - 120	<0.10	mg/L	NC	20		
7311742	Nitrite (N)	2021/04/22	101	80 - 120	106	80 - 120	<0.010	mg/L	NC	20		
7311747	Nitrate (N)	2021/04/22	NC	80 - 120	90	80 - 120	<0.10	mg/L				
7311747	Nitrite (N)	2021/04/22	99	80 - 120	103	80 - 120	<0.010	mg/L				
7311766	Dissolved Bromide (Br-)	2021/04/22	107	80 - 120	112	80 - 120	<1.0	mg/L	NC	20		
7311766	Dissolved Chloride (Cl-)	2021/04/22	101	80 - 120	99	70 - 130	<1.0	mg/L	0.46	20		
7311766	Dissolved Sulphate (SO4)	2021/04/22	104	80 - 120	102	80 - 120	<1.0	mg/L	0.098	20		
7311769	Dissolved Bromide (Br-)	2021/04/22	109	80 - 120	110	80 - 120	<1.0	mg/L	NC	20		
7311769	Dissolved Chloride (Cl-)	2021/04/22	NC	80 - 120	100	70 - 130	<1.0	mg/L	0.24	20		
7311769	Dissolved Sulphate (SO4)	2021/04/22	NC	80 - 120	100	80 - 120	<1.0	mg/L	0.48	20		
7312732	Total Organic Carbon (TOC)	2021/04/22	101	80 - 120	101	80 - 120	<0.40	mg/L	1.6	20		
7312827	Total Kjeldahl Nitrogen (TKN)	2021/04/23	NC	80 - 120	99	80 - 120	<0.10	mg/L	2.5 (2)	20	99	80 - 120
7312832	Total Ammonia-N	2021/04/23	100	75 - 125	100	80 - 120	<0.050	mg/L	1.3	20		
7313066	Total Kjeldahl Nitrogen (TKN)	2021/04/23	97	80 - 120	103	80 - 120	<0.10	mg/L	4.7	20	105	80 - 120
7313069	Total Ammonia-N	2021/04/23	98	75 - 125	100	80 - 120	<0.050	mg/L	2.1	20		
7313080	Total Organic Carbon (TOC)	2021/04/23	NC	80 - 120	98	80 - 120	<0.40	mg/L	1.3	20		
7313190	Total Dissolved Solids	2021/04/23					<10	mg/L	1.4	25	98	90 - 110
7313835	Total Dissolved Solids	2021/04/23					<10	mg/L	1.2	25	95	90 - 110
7314787	Dissolved Aluminum (Al)	2021/04/28	98	80 - 120	94	80 - 120	<4.9	ug/L	NC	20		



BUREAU  
VERITAS

BV Labs Job #: C1A4424

Report Date: 2021/04/29

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental

Client Project #: GW

Sampler Initials: BM

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7314787	Dissolved Antimony (Sb)	2021/04/27	104	80 - 120	101	80 - 120	<0.50	ug/L				
7314787	Dissolved Arsenic (As)	2021/04/27	104	80 - 120	100	80 - 120	<1.0	ug/L				
7314787	Dissolved Barium (Ba)	2021/04/27	98	80 - 120	99	80 - 120	<2.0	ug/L				
7314787	Dissolved Beryllium (Be)	2021/04/27	103	80 - 120	102	80 - 120	<0.40	ug/L				
7314787	Dissolved Bismuth (Bi)	2021/04/27	96	80 - 120	100	80 - 120	<1.0	ug/L				
7314787	Dissolved Boron (B)	2021/04/28	NC	80 - 120	99	80 - 120	<10	ug/L	4.4	20		
7314787	Dissolved Cadmium (Cd)	2021/04/28	100	80 - 120	99	80 - 120	<0.090	ug/L	NC	20		
7314787	Dissolved Calcium (Ca)	2021/04/28	NC	80 - 120	94	80 - 120	<200	ug/L	5.7	20		
7314787	Dissolved Chromium (Cr)	2021/04/28	101	80 - 120	98	80 - 120	<5.0	ug/L	NC	20		
7314787	Dissolved Cobalt (Co)	2021/04/27	100	80 - 120	98	80 - 120	<0.50	ug/L				
7314787	Dissolved Copper (Cu)	2021/04/28	100	80 - 120	99	80 - 120	<0.90	ug/L	6.6	20		
7314787	Dissolved Iron (Fe)	2021/04/28	98	80 - 120	98	80 - 120	<100	ug/L	0.99	20		
7314787	Dissolved Lead (Pb)	2021/04/28	98	80 - 120	99	80 - 120	<0.50	ug/L	NC	20		
7314787	Dissolved Lithium (Li)	2021/04/27	107	80 - 120	108	80 - 120	<5.0	ug/L				
7314787	Dissolved Magnesium (Mg)	2021/04/28	NC	80 - 120	101	80 - 120	<50	ug/L	0.24	20		
7314787	Dissolved Manganese (Mn)	2021/04/28	100	80 - 120	100	80 - 120	<2.0	ug/L	0.15	20		
7314787	Dissolved Molybdenum (Mo)	2021/04/27	108	80 - 120	100	80 - 120	<0.50	ug/L				
7314787	Dissolved Nickel (Ni)	2021/04/27	96	80 - 120	97	80 - 120	<1.0	ug/L				
7314787	Dissolved Phosphorus (P)	2021/04/27	97	80 - 120	106	80 - 120	<100	ug/L				
7314787	Dissolved Potassium (K)	2021/04/28	100	80 - 120	99	80 - 120	<200	ug/L	1.3	20		
7314787	Dissolved Selenium (Se)	2021/04/27	102	80 - 120	96	80 - 120	<2.0	ug/L				
7314787	Dissolved Silicon (Si)	2021/04/27	95	80 - 120	92	80 - 120	<50	ug/L				
7314787	Dissolved Silver (Ag)	2021/04/27	83	80 - 120	92	80 - 120	<0.090	ug/L				
7314787	Dissolved Sodium (Na)	2021/04/28	97	80 - 120	98	80 - 120	<100	ug/L	0.20	20		
7314787	Dissolved Strontium (Sr)	2021/04/27	NC	80 - 120	98	80 - 120	<1.0	ug/L				
7314787	Dissolved Tellurium (Te)	2021/04/27	97	80 - 120	94	80 - 120	<1.0	ug/L				
7314787	Dissolved Thallium (Tl)	2021/04/27	99	80 - 120	100	80 - 120	<0.050	ug/L				
7314787	Dissolved Tin (Sn)	2021/04/27	104	80 - 120	100	80 - 120	<1.0	ug/L				
7314787	Dissolved Titanium (Ti)	2021/04/27	95	80 - 120	90	80 - 120	<5.0	ug/L				
7314787	Dissolved Tungsten (W)	2021/04/27	106	80 - 120	101	80 - 120	<1.0	ug/L				
7314787	Dissolved Uranium (U)	2021/04/27	101	80 - 120	101	80 - 120	<0.10	ug/L				



BUREAU  
VERITAS

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7314787	Dissolved Vanadium (V)	2021/04/27	102	80 - 120	99	80 - 120	<0.50	ug/L				
7314787	Dissolved Zinc (Zn)	2021/04/28	97	80 - 120	98	80 - 120	<5.0	ug/L	NC	20		
7314787	Dissolved Zirconium (Zr)	2021/04/27	110	80 - 120	103	80 - 120	<1.0	ug/L				
7314788	Dissolved Aluminum (Al)	2021/04/26	98	80 - 120	96	80 - 120	<4.9	ug/L	NC	20		
7314788	Dissolved Antimony (Sb)	2021/04/26	102	80 - 120	96	80 - 120	<0.50	ug/L	NC	20		
7314788	Dissolved Arsenic (As)	2021/04/26	99	80 - 120	97	80 - 120	<1.0	ug/L	NC	20		
7314788	Dissolved Barium (Ba)	2021/04/26	96	80 - 120	96	80 - 120	<2.0	ug/L	4.4	20		
7314788	Dissolved Beryllium (Be)	2021/04/26	101	80 - 120	97	80 - 120	<0.40	ug/L	NC	20		
7314788	Dissolved Bismuth (Bi)	2021/04/26	95	80 - 120	100	80 - 120	<1.0	ug/L	NC	20		
7314788	Dissolved Boron (B)	2021/04/26	96	80 - 120	94	80 - 120	<10	ug/L	0.69	20		
7314788	Dissolved Cadmium (Cd)	2021/04/26	97	80 - 120	96	80 - 120	<0.090	ug/L	NC	20		
7314788	Dissolved Calcium (Ca)	2021/04/26	NC	80 - 120	99	80 - 120	<200	ug/L	2.1	20		
7314788	Dissolved Chromium (Cr)	2021/04/26	94	80 - 120	94	80 - 120	<5.0	ug/L	NC	20		
7314788	Dissolved Cobalt (Co)	2021/04/26	95	80 - 120	98	80 - 120	<0.50	ug/L	NC	20		
7314788	Dissolved Copper (Cu)	2021/04/26	94	80 - 120	93	80 - 120	<0.90	ug/L	NC	20		
7314788	Dissolved Iron (Fe)	2021/04/26	94	80 - 120	95	80 - 120	<100	ug/L	NC	20		
7314788	Dissolved Lead (Pb)	2021/04/26	93	80 - 120	97	80 - 120	<0.50	ug/L	NC	20		
7314788	Dissolved Lithium (Li)	2021/04/26	105	80 - 120	101	80 - 120	<5.0	ug/L	0.57	20		
7314788	Dissolved Magnesium (Mg)	2021/04/26	NC	80 - 120	96	80 - 120	<50	ug/L	1.9	20		
7314788	Dissolved Manganese (Mn)	2021/04/26	94	80 - 120	94	80 - 120	<2.0	ug/L	0.97	20		
7314788	Dissolved Molybdenum (Mo)	2021/04/26	99	80 - 120	93	80 - 120	<0.50	ug/L	NC	20		
7314788	Dissolved Nickel (Ni)	2021/04/26	94	80 - 120	96	80 - 120	<1.0	ug/L	NC	20		
7314788	Dissolved Phosphorus (P)	2021/04/26	84	80 - 120	98	80 - 120	<100	ug/L	NC	20		
7314788	Dissolved Potassium (K)	2021/04/26	100	80 - 120	96	80 - 120	<200	ug/L	1.1	20		
7314788	Dissolved Selenium (Se)	2021/04/26	95	80 - 120	101	80 - 120	<2.0	ug/L	NC	20		
7314788	Dissolved Silicon (Si)	2021/04/26	97	80 - 120	95	80 - 120	<50	ug/L	0.71	20		
7314788	Dissolved Silver (Ag)	2021/04/26	69 (3)	80 - 120	95	80 - 120	<0.090	ug/L	NC	20		
7314788	Dissolved Sodium (Na)	2021/04/26	NC	80 - 120	98	80 - 120	<100	ug/L	0.61	20		
7314788	Dissolved Strontium (Sr)	2021/04/26	NC	80 - 120	95	80 - 120	<1.0	ug/L	0.30	20		
7314788	Dissolved Tellurium (Te)	2021/04/26	96	80 - 120	96	80 - 120	<1.0	ug/L	NC	20		
7314788	Dissolved Thallium (Tl)	2021/04/26	95	80 - 120	96	80 - 120	<0.050	ug/L	NC	20		





BUREAU  
VERITAS

BV Labs Job #: C1A4424  
Report Date: 2021/04/29

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7314788	Dissolved Tin (Sn)	2021/04/26	102	80 - 120	97	80 - 120	<1.0	ug/L	NC	20		
7314788	Dissolved Titanium (Ti)	2021/04/26	95	80 - 120	92	80 - 120	<5.0	ug/L	NC	20		
7314788	Dissolved Tungsten (W)	2021/04/26	102	80 - 120	103	80 - 120	<1.0	ug/L	NC	20		
7314788	Dissolved Uranium (U)	2021/04/26	96	80 - 120	97	80 - 120	<0.10	ug/L	NC	20		
7314788	Dissolved Vanadium (V)	2021/04/26	98	80 - 120	97	80 - 120	<0.50	ug/L	NC	20		
7314788	Dissolved Zinc (Zn)	2021/04/26	95	80 - 120	97	80 - 120	<5.0	ug/L	NC	20		
7314788	Dissolved Zirconium (Zr)	2021/04/26	105	80 - 120	98	80 - 120	<1.0	ug/L	NC	20		
7316347	1,2,3,4-Tetrachlorobenzene	2021/04/26	75	30 - 130	69	30 - 130	<0.50	ug/L	NC	40		
7316347	1,2,3,5-Tetrachlorobenzene	2021/04/26	100	30 - 130	76	30 - 130	<0.50	ug/L	NC	40		
7316347	1,2,3-Trichlorobenzene	2021/04/26	83	30 - 130	73	30 - 130	<0.50	ug/L	NC	40		
7316347	1,2,4,5-Tetrachlorobenzene	2021/04/26	71	30 - 130	72	30 - 130	<0.50	ug/L	NC	40		
7316347	1,2,4-Trichlorobenzene	2021/04/26	87	30 - 130	76	30 - 130	<0.50	ug/L	NC	40		
7316347	1,2-Dichlorobenzene	2021/04/26	74	30 - 130	72	30 - 130	<0.50	ug/L	NC	40		
7316347	1,3,5-Trichlorobenzene	2021/04/26	84	30 - 130	75	30 - 130	<0.50	ug/L	NC	40		
7316347	1,3-Dichlorobenzene	2021/04/26	73	30 - 130	68	30 - 130	<0.50	ug/L	NC	40		
7316347	1,4-Dichlorobenzene	2021/04/26	72	30 - 130	73	30 - 130	<0.50	ug/L	NC	40		
7316347	1-Chloronaphthalene	2021/04/26	58	30 - 130	68	30 - 130	<1.0	ug/L	NC	40		
7316347	1-Methylnaphthalene	2021/04/26	120	30 - 130	105	30 - 130	<0.20	ug/L	NC	40		
7316347	2,3,4,5-Tetrachlorophenol	2021/04/26	105	10 - 130	88	10 - 130	<0.40	ug/L	NC	40		
7316347	2,3,4,6-Tetrachlorophenol	2021/04/26	114	10 - 130	100	10 - 130	<0.50	ug/L	NC	40		
7316347	2,3,4-Trichlorophenol	2021/04/26	95	10 - 130	87	10 - 130	<0.50	ug/L	NC	40		
7316347	2,3,5,6-Tetrachlorophenol	2021/04/26	79	10 - 130	84	10 - 130	<0.50	ug/L	NC	40		
7316347	2,3,5-Trichlorophenol	2021/04/26	96	10 - 130	93	10 - 130	<0.50	ug/L	NC	40		
7316347	2,3,6-Trichlorophenol	2021/04/26	95	10 - 130	87	10 - 130	<0.50	ug/L	NC	40		
7316347	2,3-Dichlorophenol	2021/04/26	104	10 - 130	83	10 - 130	<0.50	ug/L	NC	40		
7316347	2,4,5-Trichlorophenol	2021/04/26	106	10 - 130	97	10 - 130	<0.50	ug/L	NC	40		
7316347	2,4,6-Trichlorophenol	2021/04/26	91	10 - 130	92	10 - 130	<0.50	ug/L	NC	40		
7316347	2,4-Dichlorophenol	2021/04/26	89	10 - 130	82	10 - 130	<0.30	ug/L	NC	40		
7316347	2,4-Dimethylphenol	2021/04/26	30	10 - 130	49	10 - 130	<0.50	ug/L	NC	40		
7316347	2,4-Dinitrophenol	2021/04/26	109	10 - 130	75	10 - 130	<2.0	ug/L	NC	40		
7316347	2,4-Dinitrotoluene	2021/04/26	107	30 - 130	96	30 - 130	<0.50	ug/L	NC	40		



BUREAU  
VERITAS

BV Labs Job #: C1A4424

Report Date: 2021/04/29

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental

Client Project #: GW

Sampler Initials: BM

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7316347	2,5-Dichlorophenol	2021/04/26	112	10 - 130	86	10 - 130	<0.50	ug/L	NC	40		
7316347	2,6-Dichlorophenol	2021/04/26	96	10 - 130	89	10 - 130	<0.50	ug/L	NC	40		
7316347	2,6-Dinitrotoluene	2021/04/26	103	30 - 130	82	30 - 130	<0.50	ug/L	NC	40		
7316347	2-Chloronaphthalene	2021/04/26	97	30 - 130	81	30 - 130	<0.50	ug/L	NC	40		
7316347	2-Chlorophenol	2021/04/26	92	10 - 130	83	10 - 130	<0.30	ug/L	NC	40		
7316347	2-Methylnaphthalene	2021/04/26	116	30 - 130	99	30 - 130	<0.20	ug/L	NC	40		
7316347	2-Nitrophenol	2021/04/26	126	10 - 130	85	10 - 130	<0.50	ug/L	NC	40		
7316347	3,3'-Dichlorobenzidine	2021/04/26	77	30 - 130	39	30 - 130	<0.50	ug/L	NC	40		
7316347	3,4,5-Trichlorophenol	2021/04/26	93	10 - 130	88	10 - 130	<0.50	ug/L	NC	40		
7316347	3,4-Dichlorophenol	2021/04/26	107	10 - 130	96	10 - 130	<0.50	ug/L	NC	40		
7316347	3,5-Dichlorophenol	2021/04/26	100	10 - 130	109	10 - 130	<0.50	ug/L	NC	40		
7316347	4,6-Dinitro-2-methylphenol	2021/04/26	119	10 - 130	109	10 - 130	<2.0	ug/L	NC	40		
7316347	4-Bromophenyl phenyl ether	2021/04/26	96	30 - 130	88	30 - 130	<0.30	ug/L	NC	40		
7316347	4-Chloro-3-Methylphenol	2021/04/26	107	10 - 130	86	10 - 130	<0.50	ug/L	NC	40		
7316347	4-Chlorophenyl phenyl ether	2021/04/26	100	30 - 130	84	30 - 130	<0.50	ug/L	NC	40		
7316347	4-Nitrophenol	2021/04/26	25	10 - 130	36	10 - 130	<1.4	ug/L	NC	40		
7316347	5-Nitroacenaphthene	2021/04/26	95	30 - 130	77	30 - 130	<1.0	ug/L	NC	40		
7316347	Acenaphthene	2021/04/26	108	30 - 130	109	30 - 130	<0.20	ug/L	NC	40		
7316347	Acenaphthylene	2021/04/26	110	30 - 130	107	30 - 130	<0.20	ug/L	NC	40		
7316347	Anthracene	2021/04/26	111	30 - 130	108	30 - 130	<0.20	ug/L	NC	40		
7316347	Benzo(a)anthracene	2021/04/26	127	30 - 130	122	30 - 130	<0.20	ug/L	NC	40		
7316347	Benzo(a)pyrene	2021/04/26	109	30 - 130	107	30 - 130	<0.20	ug/L	NC	40		
7316347	Benzo(b,j)fluoranthene	2021/04/26	121	30 - 130	107	30 - 130	<0.20	ug/L	NC	40		
7316347	Benzo(g,h,i)perylene	2021/04/26	123	30 - 130	107	30 - 130	<0.20	ug/L	NC	40		
7316347	Benzo(k)fluoranthene	2021/04/26	128	30 - 130	129	30 - 130	<0.20	ug/L	NC	40		
7316347	Benzyl butyl phthalate	2021/04/26	106	30 - 130	59	30 - 130	<0.50	ug/L	NC	40		
7316347	Biphenyl	2021/04/26	86	30 - 130	83	30 - 130	<0.50	ug/L	NC	40		
7316347	Bis(2-chloroethoxy)methane	2021/04/26	74	30 - 130	78	30 - 130	<0.50	ug/L	NC	40		
7316347	Bis(2-chloroethyl)ether	2021/04/26	82	30 - 130	84	30 - 130	<0.50	ug/L	NC	40		
7316347	Bis(2-chloroisopropyl)ether	2021/04/26	76	30 - 130	73	30 - 130	<0.50	ug/L	NC	40		
7316347	Bis(2-ethylhexyl)phthalate	2021/04/26	103	30 - 130	58	30 - 130	<2.0	ug/L	NC	40		



BUREAU  
VERITAS

BV Labs Job #: C1A4424

Report Date: 2021/04/29

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental

Client Project #: GW

Sampler Initials: BM

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7316347	Chrysene	2021/04/26	130	30 - 130	114	30 - 130	<0.20	ug/L	NC	40		
7316347	Dibenzo(a,h)anthracene	2021/04/26	124	30 - 130	107	30 - 130	<0.20	ug/L	NC	40		
7316347	Diethyl phthalate	2021/04/26	99	30 - 130	88	30 - 130	<1.0	ug/L	NC	40		
7316347	Dimethyl phthalate	2021/04/26	94	30 - 130	90	30 - 130	<1.0	ug/L	NC	40		
7316347	Di-N-butyl phthalate	2021/04/26	98	30 - 130	91	30 - 130	<2.0	ug/L	NC	40		
7316347	di-n-octyl phthalate	2021/04/26	102	30 - 130	63	30 - 130	<0.80	ug/L	NC	40		
7316347	Diphenyl Ether	2021/04/26	79	30 - 130	70	30 - 130	<0.30	ug/L	NC	40		
7316347	Fluoranthene	2021/04/26	134 (3)	30 - 130	122	30 - 130	<0.20	ug/L	NC	40		
7316347	Fluorene	2021/04/26	125	30 - 130	110	30 - 130	<0.20	ug/L	NC	40		
7316347	Hexachlorobenzene	2021/04/26	92	30 - 130	89	30 - 130	<0.50	ug/L	NC	40		
7316347	Hexachlorobutadiene	2021/04/26	74	30 - 130	63	30 - 130	<0.40	ug/L	NC	40		
7316347	Hexachlorocyclopentadiene	2021/04/26	66	30 - 130	79	30 - 130	<2.0	ug/L	NC	40		
7316347	Hexachloroethane	2021/04/26	64	30 - 130	65	30 - 130	<0.50	ug/L	NC	40		
7316347	Indeno(1,2,3-cd)pyrene	2021/04/26	127	30 - 130	100	30 - 130	<0.20	ug/L	NC	40		
7316347	Isophorone	2021/04/26	99	30 - 130	101	30 - 130	<0.50	ug/L	NC	40		
7316347	m/p-Cresol	2021/04/26	67	10 - 130	69	10 - 130	<0.50	ug/L	NC	40		
7316347	Naphthalene	2021/04/26	94	30 - 130	92	30 - 130	<0.20	ug/L	NC	40		
7316347	Nitrobenzene	2021/04/26	104	30 - 130	88	30 - 130	<0.50	ug/L	NC	40		
7316347	Nitrosodiphenylamine/Diphenylamine	2021/04/26	118	30 - 130	111	30 - 130	<1.0	ug/L	NC	40		
7316347	N-Nitroso-di-n-propylamine	2021/04/26	81	30 - 130	96	30 - 130	<0.50	ug/L	NC	40		
7316347	o-Cresol	2021/04/26	64	10 - 130	71	10 - 130	<0.50	ug/L	NC	40		
7316347	p-Chloroaniline	2021/04/26	75	30 - 130	77	30 - 130	<1.0	ug/L	NC	40		
7316347	Pentachlorobenzene	2021/04/26	85	30 - 130	77	30 - 130	<0.50	ug/L	NC	40		
7316347	Pentachlorophenol	2021/04/26	63	10 - 130	67	10 - 130	<1.0	ug/L	NC	40		
7316347	Perylene	2021/04/26	97	30 - 130	98	30 - 130	<0.20	ug/L	NC	40		
7316347	Phenanthrene	2021/04/26	124	30 - 130	118	30 - 130	<0.20	ug/L	NC	40		
7316347	Phenol	2021/04/26	35	10 - 130	37	10 - 130	<0.50	ug/L	NC	40		
7316347	Pyrene	2021/04/26	129	30 - 130	129	30 - 130	<0.20	ug/L	NC	40		
7319009	a-Chlordane	2021/04/28	91	50 - 130	94	50 - 130	<0.005	ug/L	NC	30		
7319009	Aldrin	2021/04/28	80	50 - 130	79	50 - 130	<0.005	ug/L	NC	30		
7319009	alpha-BHC	2021/04/28	86	30 - 130	93	30 - 130	<0.005	ug/L	NC	40		



BUREAU  
VERITAS

BV Labs Job #: C1A4424

Report Date: 2021/04/29

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental

Client Project #: GW

Sampler Initials: BM

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7319009	Aroclor 1242	2021/04/28					<0.05	ug/L	NC	30		
7319009	Aroclor 1248	2021/04/28					<0.05	ug/L	NC	30		
7319009	Aroclor 1254	2021/04/28					<0.05	ug/L	NC	30		
7319009	Aroclor 1260	2021/04/28					<0.05	ug/L	NC	30		
7319009	beta-BHC	2021/04/28	83	30 - 130	86	30 - 130	<0.005	ug/L	NC	40		
7319009	Dieldrin	2021/04/28	106	50 - 130	112	50 - 130	<0.005	ug/L	NC	30		
7319009	Endosulfan I (alpha)	2021/04/28	80	50 - 130	87	50 - 130	<0.005	ug/L	NC	30		
7319009	Endosulfan II (beta)	2021/04/28	87	50 - 130	92	50 - 130	<0.005	ug/L	NC	30		
7319009	Endrin aldehyde	2021/04/28	85	30 - 130	98	30 - 130	<0.005	ug/L	NC	40		
7319009	Endrin ketone	2021/04/28	100	30 - 130	106	30 - 130	<0.005	ug/L	NC	40		
7319009	Endrin	2021/04/28	96	50 - 130	102	50 - 130	<0.005	ug/L	NC	30		
7319009	g-Chlordane	2021/04/28	94	50 - 130	96	50 - 130	<0.005	ug/L	NC	30		
7319009	Heptachlor epoxide	2021/04/28	91	50 - 130	95	50 - 130	<0.005	ug/L	NC	30		
7319009	Heptachlor	2021/04/28	84	50 - 130	86	50 - 130	<0.005	ug/L	NC	30		
7319009	Hexachlorobenzene	2021/04/28	80	50 - 130	89	50 - 130	<0.005	ug/L	NC	30		
7319009	Hexachlorobutadiene	2021/04/28	80	50 - 130	92	50 - 130	<0.009	ug/L	NC	30		
7319009	Hexachloroethane	2021/04/28	70	50 - 130	78	50 - 130	<0.01	ug/L	NC	30		
7319009	Lindane	2021/04/28	89	50 - 130	95	50 - 130	<0.003	ug/L	NC	30		
7319009	Methoxychlor	2021/04/28	113	50 - 130	119	50 - 130	<0.01	ug/L	NC	30		
7319009	Mirex	2021/04/28	93	30 - 130	95	30 - 130	<0.005	ug/L	NC	40		
7319009	o,p-DDD	2021/04/28	105	50 - 130	108	50 - 130	<0.005	ug/L	NC	30		
7319009	o,p-DDE	2021/04/28	91	50 - 130	93	50 - 130	<0.005	ug/L	NC	30		
7319009	o,p-DDT	2021/04/28	102	50 - 130	104	50 - 130	<0.005	ug/L	NC	30		
7319009	p,p-DDD	2021/04/28	106	50 - 130	105	50 - 130	<0.005	ug/L	NC	30		
7319009	p,p-DDE	2021/04/28	80	50 - 130	84	50 - 130	<0.005	ug/L	NC	30		
7319009	p,p-DDT	2021/04/28	100	50 - 130	106	50 - 130	<0.005	ug/L	NC	30		



BUREAU  
VERITAS

BV Labs Job #: C1A4424

Report Date: 2021/04/29

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental

Client Project #: GW

Sampler Initials: BM

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7319009	Toxaphene	2021/04/28					<0.2	ug/L	NC	40		

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

- (1) The recovery was below the lower control limit. This may represent a low bias in some results for this specific analyte.
- (2) TKN < NH4: Both values fall within acceptable RPD limits for duplicates and are likely equivalent.
- (3) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.



BUREAU  
VERITAS

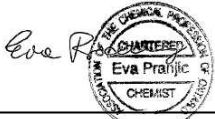
BV Labs Job #: C1A4424  
Report Date: 2021/04/29

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

\_\_\_\_\_  
Anastassia Hamanov, Scientific Specialist



\_\_\_\_\_  
Ewa Pranjic, M.Sc., C.Chem, Scientific Specialist

---

BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.





Bureau Veritas Laboratories  
6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: (905) 817-5700 Toll-free: 800-563-6266 Fax: (905) 817-5777 www.bvlabs.com

20-Apr-21 13:00

Page 1 of 13

Jolanta Goralczyk  
C1A4424

DSG env-1305

**INVOICE TO:**  
Company Name: #16786 Terrapure Environmental  
Attention: Accounting  
Address: 65 Green Mountain Rd West  
Stoney Creek ON L8J 1X5  
Tel: (905) 561-0305 Fax: (905) 561-1674  
Email: kbailey@terrapureenv.com

**REPORT TO:**  
Company Name: Brad Mullin **GHD Reporting**  
Attention: **GHD Reporting**  
Address:  
Tel: Fax:  
Email: bmullin@terrapureenv.com; dtaylor2@terrapureenv.com

**PROJECT INFORMATION:**  
Quotation #: B60569  
P.O. #:  
Project: GW  
Project Name: GW  
Site #:  
Sampled By:

**Only:**  
Bottle Order #: 819873  
Project Manager: Jolanta Goralczyk  
COC #: C#819873-05-01

**MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BV LABS DRINKING WATER CHAIN OF CUSTODY**

**Regulation 153 (2011)**  
 Table 1  Res/Park  Medium/Fine  
 Table 2  Ind/Comm  Coarse  
 Table 3  Agri/Other  For RSC  
 Table

**Other Regulations**  
 CCME  Sanitary Sewer Bylaw  
 Reg 558  Storm Sewer Bylaw  
 MISA Municipality \_\_\_\_\_  
 PWQO  Reg 406 Table \_\_\_\_\_  
 Other \_\_\_\_\_

**Special Instructions**

**ANALYSIS REQUESTED (PLEASE BE SPECIFIC)**

Field Filtered (please circle):	Metals (Hg / Cr VI)	List "A" GW Monitoring	List "B" GW Monitoring	Biochemical Oxygen Demand (BOD)
Y	Y	✓	✓	
Y	Y	✓	✓	
Y	Y	✓	✓	
Y	Y	✓	✓	✓
Y	Y	✓		
Y	Y	✓		
Y	Y	✓		
Y	Y	✓		
Y	Y	✓	✓	
Y	Y	✓	✓	

**Turnaround Time (TAT) Required:**  
Please provide advance notice for rush projects

**Regular (Standard) TAT:**  
(will be applied if Rush TAT is not specified)  
Standard TAT = 5-7 Working days for most tests.  
Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.

**Job Specific Rush TAT (if applies to entire submission)**  
Date Required: \_\_\_\_\_ Time Required: \_\_\_\_\_  
Rush Confirmation Number: \_\_\_\_\_ (call lab for #)

Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle):	Metals (Hg / Cr VI)	List "A" GW Monitoring	List "B" GW Monitoring	Biochemical Oxygen Demand (BOD)	# of Bottles	Comments
1	68-I	21/04/19	AM	GW	Y	Y	✓	✓		14	
2	68-II			GW	Y	Y	✓	✓		14	
3	68-III			GW	Y	Y	✓	✓		14	
4	58-I			GW	Y	Y	✓	✓	✓	15	
5	2-I			GW	Y	Y	✓			6	
6	P11-I			GW	Y	Y	✓			6	
7	P11-II			GW	Y	Y	✓			6	
8	P11-III			GW	Y	Y	✓			6	
9	44-I			GW	Y	Y	✓	✓		16	
10	44-II			GW	Y	Y	✓	✓		16	

\* RELINQUISHED BY: (Signature/Print) \_\_\_\_\_ Date: (YY/MM/DD) 21/04/20 Time AM RECEIVED BY: (Signature/Print) \_\_\_\_\_ Date: (YY/MM/DD) 2021/04/20 Time 15:00 # jars used and not submitted \_\_\_\_\_

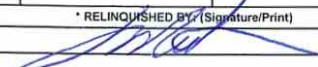
**Laboratory Use Only**  
Time Sensitive \_\_\_\_\_ Temperature (°C) on Receipt Refer to ACTR \_\_\_\_\_ Custody Seal Present Intact \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_

\* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BV LABS' STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVLABS.COM/TERMS-AND-CONDITIONS.  
\* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.  
\*\* SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVLABS.COM/RESOURCES/CHAIN-OF-CUSTODY-FORMS.  
SAMPLER MUST BE KEPT COOL (< 10° C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS  
White: BV Labs Yellow: Client



<b>INVOICE TO:</b>		<b>REPORT TO:</b>		<b>PROJECT INFORMATION:</b>		<b>Laboratory Use Only:</b>	
Company Name: #16786 Terrapure Environmental		Company Name: Brad Mullin - GHD Reporting		Quotation #: B60569		BV Labs Job #:	
Attention: Accounting		Attention: Brad Mullin - GHD Reporting		P.O. #:		Bottle Order #: 	
Address: 65 Green Mountain Rd West Stoney Creek ON L8J 1X5		Address:		Project: GW		COC #:	
Tel: (905) 561-0305 Fax: (905) 561-1674		Tel:		Project Name: GW		Project Manager: Jolanta Goralczyk	
Email: kbailey@terrapureenv.com		Email: bmullin@terrapureenv.com; dtaylor2@terrapureenv.com		Site #:		 C#819873-06-01	

MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BV LABS DRINKING WATER CHAIN OF CUSTODY						ANALYSIS REQUESTED (PLEASE BE SPECIFIC)										Turnaround Time (TAT) Required: Please provide advance notice for rush projects				
Regulation 153 (2011)			Other Regulations			Special Instructions	Field Filtered (please circle): Metals: Hg / Cr VI	List "A" GW Monitoring		List "B" GW Monitoring		Biochemical Oxygen Demand (BOD)						Regular (Standard) TAT: (will be applied if Rush TAT is not specified): <input checked="" type="checkbox"/>		
<input type="checkbox"/> Table 1	<input type="checkbox"/> Res/Park	<input type="checkbox"/> Medium/Fine	<input type="checkbox"/> CCME	<input type="checkbox"/> Sanitary Sewer Bylaw			Y	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>										Standard TAT = 5-7 Working days for most tests. Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.	
<input type="checkbox"/> Table 2	<input type="checkbox"/> Ind/Comm	<input type="checkbox"/> Coarse	<input type="checkbox"/> Reg 558	<input type="checkbox"/> Storm Sewer Bylaw																
<input type="checkbox"/> Table 3	<input type="checkbox"/> Agri/Other	<input type="checkbox"/> For RSC	<input type="checkbox"/> MISA	Municipality _____																
<input type="checkbox"/> Table _____			<input type="checkbox"/> PWDO	<input type="checkbox"/> Reg 406 Table _____																
Include Criteria on Certificate of Analysis (Y/N)? _____						Job Specific Rush TAT (if applies to entire submission) Date Required: _____ Time Required: _____ Rush Confirmation Number: _____ (call lab for #)														
Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix															# of Bottles	Comments
1	76-I	2/10/19	AM	GW															16	
2	76-II			GW															16	
3	76-III			GW															16	
4	45-I			GW															6	
5	45-II			GW															6	
6	14-I			GW															6	
7	42-II			GW															6	
8	42-III			GW															6	
9	31-I			GW															6	
10	31-III			GW															6	

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Laboratory Use Only				
	12/10/19	AM	SEE PAGE 1				Time Sensitive	Temperature (°C) on Recept	Custody Seal Present	Yes	No
									Intact		

\* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BV LABS' STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVLABS.COM/TERMS-AND-CONDITIONS.

\*\* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.

\*\*\* SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVLABS.COM/RESOURCES/CHAIN-OF-CUSTODY-FORMS.

SAMPLES MUST BE KEPT COOL (< 10° C ) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS

White: BV Labs Yellow: Client





Bureau Veritas Laboratories  
6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: (905) 817-5700 Toll-free: 800-563-6266 Fax: (905) 817-5777 www.bvlab.com

CHAIN OF CUSTODY RECORD

<b>INVOICE TO:</b>		<b>REPORT TO:</b>		<b>PROJECT INFORMATION:</b>		<b>Laboratory Use Only:</b>	
Company Name: #16786 Terrapure Environmental	Attention: Accounting	Company Name: Brad Mullin <u>GHD Reporting</u>	Attention: <u>GHD Reporting</u>	Quotation #: B60569	P.O. #:	BV Labs Job #:	Bottle Order #:
Address: 65 Green Mountain Rd West Stoney Creek ON L8J 1X5	Tel: (905) 561-0305 Fax: (905) 561-1674	Address:	Tel: Fax:	Project: GW	Project Name: <u>GW</u>	COC #:	Project Manager:
Email: kbailey@terrapureenv.com	Email: bmullin@terrapureenv.com; dtaylor2@terrapureenv.com			Site #:	Sampled By:		Jolanta Goralczyk

MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BV LABS DRINKING WATER CHAIN OF CUSTODY					ANALYSIS REQUESTED (PLEASE BE SPECIFIC)										Turnaround Time (TAT) Required: Please provide advance notice for rush projects					
Regulation 153 (2011)		Other Regulations		Special Instructions	Field Filtered (please circle): Metals - Hg / Cr VI	List "A" GW Monitoring	List "B" GW Monitoring	Biochemical Oxygen Demand (BOD)											Regular (Standard) TAT: (will be applied if Rush TAT is not specified): Standard TAT = 5-7 Working days for most tests. Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.	
<input type="checkbox"/> Table 1	<input type="checkbox"/> Res/Park	<input type="checkbox"/> Medium/Fine	<input type="checkbox"/> CCME	<input type="checkbox"/> Sanitary Sewer Bylaw															Job Specific Rush TAT (if applies to entire submission) Date Required: _____ Time Required: _____ Rush Confirmation Number: _____ (call lab for #)	
<input type="checkbox"/> Table 2	<input type="checkbox"/> Ind/Comm	<input type="checkbox"/> Coarse	<input type="checkbox"/> Reg 558	<input type="checkbox"/> Storm Sewer Bylaw																
<input type="checkbox"/> Table 3	<input type="checkbox"/> Agri/Other	<input type="checkbox"/> For RSC	<input type="checkbox"/> MISA	Municipality _____																
<input type="checkbox"/> Table _____			<input type="checkbox"/> PWQO	<input type="checkbox"/> Reg 406 Table _____																
Include Criteria on Certificate of Analysis (Y/N)?																				
Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix													# of Bottles	Comments		
1	30-I	21/04/19	AM	GW	Y	✓	✗										6			
2	30-II	↓	↓	GW	Y	✓											6			
3	P1-I	↓	↓	GW	Y	✓											6			
4	P1-II	↓	↓	GW	Y	✓											6			
5	P1-III	↓	↓	GW	Y	✓											6			
6	<del>30-I</del>			<del>GW</del>			✗													
7	<del>30-II</del>			<del>GW</del>			✗													
8	<del>30-III</del>			<del>GW</del>			✗													
9	<del>P1-I</del>			<del>GW</del>			✗													
10	<del>P1-II</del>			<del>GW</del>			✗	✗												

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Laboratory Use Only				
	21/04/20	AM	SEE PAGE 1				Time Sensitive	Temperature (°C) on Recept	Custody Seal Present	Yes	No
									Intact		

\* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BV LABS' STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVLABS.COM/TERMS-AND-CONDITIONS.

\*\* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.

\*\* SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVLABS.COM/RESOURCES/CHAIN-OF-CUSTODY-FORMS.

SAMPLES MUST BE KEPT COOL (< 10° C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS

White: BV Labs Yellow: Client



Your Project #: GW

**Attention: Brad Mullin - GHD Reporting**

Terrapure Environmental  
65 Green Mountain Rd West  
Stoney Creek, ON  
CANADA L8J 1X5

Your C.O.C. #: 819873-08-01, 819873-09-01, 819873-10-01, 819873-11-01

**Report Date: 2021/04/30**  
Report #: R6616579  
Version: 1 - Final

**CERTIFICATE OF ANALYSIS**

**BV LABS JOB #: C1A6137**

**Received: 2021/04/21, 15:15**

Sample Matrix: Water  
# Samples Received: 33

<b>Analyses</b>	<b>Quantity</b>	<b>Date Extracted</b>	<b>Date Analyzed</b>	<b>Laboratory Method</b>	<b>Analytical Method</b>
ABN Compounds in Water by GC/MS	3	2021/04/27	2021/04/28	CAM SOP-00301	EPA 8270 m
ABN Compounds in Water by GC/MS	7	2021/04/27	2021/04/29	CAM SOP-00301	EPA 8270 m
Alkalinity	20	N/A	2021/04/23	CAM SOP-00448	SM 23 2320 B m
Alkalinity	13	N/A	2021/04/26	CAM SOP-00448	SM 23 2320 B m
Anions	2	N/A	2021/04/23	CAM SOP-00435	SM 23 4110 B m
Anions	19	N/A	2021/04/26	CAM SOP-00435	SM 23 4110 B m
Anions	12	N/A	2021/04/27	CAM SOP-00435	SM 23 4110 B m
Biochemical Oxygen Demand (BOD)	2	2021/04/22	2021/04/27	CAM SOP-00427	SM 23 5210B m
Conductivity	20	N/A	2021/04/23	CAM SOP-00414	SM 23 2510 m
Conductivity	13	N/A	2021/04/26	CAM SOP-00414	SM 23 2510 m
Fluoride	20	2021/04/23	2021/04/23	CAM SOP-00449	SM 23 4500-F C m
Fluoride	13	2021/04/23	2021/04/26	CAM SOP-00449	SM 23 4500-F C m
Hardness (calculated as CaCO3)	4	N/A	2021/04/26	CAM SOP 00102/00408/00447	SM 2340 B
Hardness (calculated as CaCO3)	29	N/A	2021/04/28	CAM SOP 00102/00408/00447	SM 2340 B
Dissolved Metals by ICPMS	1	N/A	2021/04/23	CAM SOP-00447	EPA 6020B m
Dissolved Metals by ICPMS	3	N/A	2021/04/26	CAM SOP-00447	EPA 6020B m
Dissolved Metals by ICPMS	7	N/A	2021/04/27	CAM SOP-00447	EPA 6020B m
Dissolved Metals by ICPMS	21	N/A	2021/04/28	CAM SOP-00447	EPA 6020B m
Dissolved Metals by ICPMS	1	N/A	2021/04/29	CAM SOP-00447	EPA 6020B m
Total Ammonia-N	13	N/A	2021/04/26	CAM SOP-00441	USGS I-2522-90 m
Total Ammonia-N	20	N/A	2021/04/27	CAM SOP-00441	USGS I-2522-90 m
Nitrate (NO3) and Nitrite (NO2) in Water (1)	19	N/A	2021/04/23	CAM SOP-00440	SM 23 4500-NO3I/NO2B
Nitrate (NO3) and Nitrite (NO2) in Water (1)	14	N/A	2021/04/26	CAM SOP-00440	SM 23 4500-NO3I/NO2B
OC Pesticides (Selected) & PCB (2)	10	2021/04/26	2021/04/28	CAM SOP-00307	EPA 8081A/8082B m
OC Pesticides Summed Parameters	10	N/A	2021/04/24	CAM SOP-00307	EPA 8081A/8082B m



Your Project #: GW

**Attention: Brad Mullin - GHD Reporting**

Terrapure Environmental  
65 Green Mountain Rd West  
Stoney Creek, ON  
CANADA L8J 1X5

Your C.O.C. #: 819873-08-01, 819873-09-01, 819873-10-01, 819873-11-01

**Report Date: 2021/04/30**  
Report #: R6616579  
Version: 1 - Final

**CERTIFICATE OF ANALYSIS**

**BV LABS JOB #: C1A6137**

**Received: 2021/04/21, 15:15**

Sample Matrix: Water  
# Samples Received: 33

Analyses	Quantity	Date	Date	Laboratory Method	Analytical Method
		Extracted	Analyzed		
pH	20	2021/04/23	2021/04/23	CAM SOP-00413	SM 4500H+ B m
pH	13	2021/04/23	2021/04/26	CAM SOP-00413	SM 4500H+ B m
Phenols (4AAP)	32	N/A	2021/04/24	CAM SOP-00444	OMOE E3179 m
Phenols (4AAP)	1	N/A	2021/04/26	CAM SOP-00444	OMOE E3179 m
Orthophosphate	2	N/A	2021/04/23	CAM SOP-00461	EPA 365.1 m
Orthophosphate	31	N/A	2021/04/26	CAM SOP-00461	EPA 365.1 m
Total Dissolved Solids	30	2021/04/23	2021/04/26	CAM SOP-00428	SM 23 2540C m
Total Dissolved Solids	3	2021/04/24	2021/04/26	CAM SOP-00428	SM 23 2540C m
Total Kjeldahl Nitrogen in Water	9	2021/04/23	2021/04/23	CAM SOP-00938	OMOE E3516 m
Total Kjeldahl Nitrogen in Water	23	2021/04/23	2021/04/26	CAM SOP-00938	OMOE E3516 m
Total Kjeldahl Nitrogen in Water	1	2021/04/23	2021/04/27	CAM SOP-00938	OMOE E3516 m
Total Organic Carbon (TOC) (3)	2	N/A	2021/04/23	CAM SOP-00446	SM 23 5310B m
Total Organic Carbon (TOC) (3)	31	N/A	2021/04/24	CAM SOP-00446	SM 23 5310B m
Volatile Organic Compounds in Water	10	N/A	2021/04/23	CAM SOP-00226	EPA 8260C m
Non-Routine Volatile Organic Compounds	10	N/A	2021/04/23	CAM SOP-00226	EPA 8260 m

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

\* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) Values for calculated parameters may not appear to add up due to rounding of raw data and significant figures.

(2) Chlordane ( Total) = Alpha Chlordane + Gamma Chlordane

(3) Total Organic Carbon (TOC) present in the sample should be considered as non-purgeable TOC.



Your Project #: GW

**Attention: Brad Mullin - GHD Reporting**

Terrapure Environmental  
65 Green Mountain Rd West  
Stoney Creek, ON  
CANADA L8J 1X5

Your C.O.C. #: 819873-08-01, 819873-09-01, 819873-10-01, 819873-11-01

**Report Date: 2021/04/30**  
Report #: R6616579  
Version: 1 - Final

**CERTIFICATE OF ANALYSIS**

**BV LABS JOB #: C1A6137**

**Received: 2021/04/21, 15:15**

Encryption Key



**AUTHORIZED REPORT  
RAPPORT AUTORISÉ**

Bureau Veritas

30 Apr 2021 17:54:23

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

Jolanta Goralczyk, Project Manager  
Email: Jolanta.Goralczyk@bureauveritas.com  
Phone# (905)817-5751

=====  
This report has been generated and distributed using a secure automated process.

BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### RESULTS OF ANALYSES OF WATER

<b>BV Labs ID</b>		PJL762			PJL762			PJL763		
<b>Sampling Date</b>		2021/04/20			2021/04/20			2021/04/20		
<b>COC Number</b>		819873-08-01			819873-08-01			819873-08-01		
	<b>UNITS</b>	<b>P3-II</b>	<b>RDL</b>	<b>QC Batch</b>	<b>P3-II Lab-Dup</b>	<b>RDL</b>	<b>QC Batch</b>	<b>43-I</b>	<b>RDL</b>	<b>QC Batch</b>

<b>Calculated Parameters</b>										
Hardness (CaCO3)	mg/L	780	1.0	7312951				2000	1.0	7312951
<b>Inorganics</b>										
Total Ammonia-N	mg/L	7.7	0.050	7315628				16	0.050	7315628
Conductivity	umho/cm	3500	1.0	7315535				6300	1.0	7315535
Total Dissolved Solids	mg/L	1490	10	7313849				4550	20	7315539
Fluoride (F-)	mg/L	1.1	0.10	7315536				0.80	0.10	7315536
Total Kjeldahl Nitrogen (TKN)	mg/L	8.9	0.20	7315617				17	0.50	7315617
Total Organic Carbon (TOC)	mg/L	14	0.40	7315262				2.9	0.40	7315262
Orthophosphate (P)	mg/L	<0.010	0.010	7316132				<0.010	0.010	7316132
pH	pH	7.93		7315534				7.66		7315534
Phenols-4AAP	mg/L	0.031	0.010	7315010				<0.0010	0.0010	7315010
Alkalinity (Total as CaCO3)	mg/L	160	1.0	7315509				240	1.0	7315509
Nitrite (N)	mg/L	<0.010	0.010	7315413	0.011	0.010	7315413	<0.010	0.010	7315413
Dissolved Chloride (Cl-)	mg/L	650	5.0	7316147				1200	10	7316147
Nitrate (N)	mg/L	<0.10	0.10	7315413	<0.10	0.10	7315413	<0.10	0.10	7315413
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	7315413	<0.10	0.10	7315413	<0.10	0.10	7315413
Dissolved Bromide (Br-)	mg/L	<5.0	5.0	7316147				<10	10	7316147
Dissolved Sulphate (SO4)	mg/L	740	5.0	7316147				1700	10	7316147

RDL = Reportable Detection Limit  
 QC Batch = Quality Control Batch  
 Lab-Dup = Laboratory Initiated Duplicate



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PJL763			PJL764			PJL765		
Sampling Date		2021/04/20			2021/04/20			2021/04/20		
COC Number		819873-08-01			819873-08-01			819873-08-01		
	UNITS	43-I Lab-Dup	RDL	QC Batch	43-II	RDL	QC Batch	2-IV	RDL	QC Batch

Calculated Parameters										
Hardness (CaCO3)	mg/L				1000	1.0	7312951	2100	1.0	7312951
Inorganics										
Total Ammonia-N	mg/L				2.7	0.050	7315628	16	0.050	7315624
Conductivity	umho/cm	6300	1.0	7315535	2700	1.0	7315535	6400	1.0	7316078
Total Dissolved Solids	mg/L				1690	10	7313849	4240	10	7313849
Fluoride (F-)	mg/L	0.80	0.10	7315536	0.66	0.10	7315536	0.80	0.10	7316067
Total Kjeldahl Nitrogen (TKN)	mg/L				2.8	0.10	7315617	17	0.50	7315265
Total Organic Carbon (TOC)	mg/L				1.7	0.40	7315262	2.7	0.40	7315260
Orthophosphate (P)	mg/L				<0.010	0.010	7316132	<0.010	0.010	7316138
pH	pH	7.64		7315534	7.71		7315534	7.58		7316074
Phenols-4AAP	mg/L				<0.0010	0.0010	7315010	<0.0010	0.0010	7315010
Alkalinity (Total as CaCO3)	mg/L	240	1.0	7315509	320	1.0	7315509	230	1.0	7316072
Nitrite (N)	mg/L				<0.010	0.010	7315413	<0.010	0.010	7316103
Dissolved Chloride (Cl-)	mg/L				340	5.0	7316147	1200	10	7316189
Nitrate (N)	mg/L				<0.10	0.10	7315413	<0.10	0.10	7316103
Nitrate + Nitrite (N)	mg/L				<0.10	0.10	7315413	<0.10	0.10	7316103
Dissolved Bromide (Br-)	mg/L				<5.0	5.0	7316147	<10	10	7316189
Dissolved Sulphate (SO4)	mg/L				690	5.0	7316147	1700	10	7316189

RDL = Reportable Detection Limit  
 QC Batch = Quality Control Batch  
 Lab-Dup = Laboratory Initiated Duplicate



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PJL765			PJL766			PJL766		
Sampling Date		2021/04/20			2021/04/20			2021/04/20		
COC Number		819873-08-01			819873-08-01			819873-08-01		
	UNITS	2-IV Lab-Dup	RDL	QC Batch	G11	RDL	QC Batch	G11 Lab-Dup	RDL	QC Batch

Calculated Parameters										
Hardness (CaCO3)	mg/L				670	1.0	7312951			
Inorganics										
Total Ammonia-N	mg/L	16	0.050	7315624	<0.050	0.050	7315628			
Conductivity	umho/cm				5500	1.0	7316078			
Total Dissolved Solids	mg/L				2980	10	7313849	2940	10	7313849
Fluoride (F-)	mg/L				1.2	0.10	7316067			
Total Kjeldahl Nitrogen (TKN)	mg/L				0.22	0.10	7315617			
Total Organic Carbon (TOC)	mg/L	2.7	0.40	7315260	3.0	0.40	7315262			
Orthophosphate (P)	mg/L				<0.010	0.010	7314184			
pH	pH				7.68		7316074			
Phenols-4AAP	mg/L				<0.0010	0.0010	7315010			
Alkalinity (Total as CaCO3)	mg/L				270	1.0	7316072			
Nitrite (N)	mg/L				<0.010	0.010	7316114			
Dissolved Chloride (Cl-)	mg/L				1500	10	7314198			
Nitrate (N)	mg/L				0.26	0.10	7316114			
Nitrate + Nitrite (N)	mg/L				0.26	0.10	7316114			
Dissolved Bromide (Br-)	mg/L				<10	10	7314198			
Dissolved Sulphate (SO4)	mg/L				270	10	7314198			

RDL = Reportable Detection Limit  
 QC Batch = Quality Control Batch  
 Lab-Dup = Laboratory Initiated Duplicate



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PJL767			PJL767			PJL768		
Sampling Date		2021/04/20			2021/04/20			2021/04/20		
COC Number		819873-08-01			819873-08-01			819873-08-01		
	UNITS	57-IR	RDL	QC Batch	57-IR Lab-Dup	RDL	QC Batch	57-II	RDL	QC Batch

#### Calculated Parameters

Hardness (CaCO3)	mg/L	170	1.0	7312951				840	1.0	7312951
------------------	------	-----	-----	---------	--	--	--	-----	-----	---------

#### Inorganics

Total Ammonia-N	mg/L	220	1.0	7315624				0.55	0.050	7315624
Total BOD	mg/L							<2	2	7312486
Conductivity	umho/cm	14000	1.0	7316279	14000	1.0	7316279	3300	1.0	7315535
Total Dissolved Solids	mg/L	7500	20	7315539				780	10	7313849
Fluoride (F-)	mg/L	3.8	0.10	7316262	3.5	0.10	7316262	0.54	0.10	7315536
Total Kjeldahl Nitrogen (TKN)	mg/L	230	10	7315265				0.88	0.10	7315265
Total Organic Carbon (TOC)	mg/L	73	0.40	7315260				3.2	0.40	7315260
Orthophosphate (P)	mg/L	0.020	0.010	7314184				<0.010	0.010	7316132
pH	pH	10.8		7316272	10.8		7316272	12.1		7315534
Phenols-4AAP	mg/L	0.92	0.020	7315010				0.0090	0.0010	7315010
Alkalinity (Total as CaCO3)	mg/L	880	1.0	7316275	890	1.0	7316275	760	1.0	7315509
Nitrite (N)	mg/L	0.021	0.010	7316114				0.012	0.010	7315413
Dissolved Chloride (Cl-)	mg/L	4100	50	7314198				15	1.0	7316147
Nitrate (N)	mg/L	<0.10	0.10	7316114				<0.10	0.10	7315413
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	7316114				<0.10	0.10	7315413
Dissolved Bromide (Br-)	mg/L	<50	50	7314198				<1.0	1.0	7316147
Dissolved Sulphate (SO4)	mg/L	240	50	7314198				29	1.0	7316147

RDL = Reportable Detection Limit  
 QC Batch = Quality Control Batch  
 Lab-Dup = Laboratory Initiated Duplicate





BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PJL769			PJL770			PJL771		
Sampling Date		2021/04/20			2021/04/20			2021/04/20		
COC Number		819873-08-01			819873-08-01			819873-08-01		
	UNITS	G13	RDL	QC Batch	75-I	RDL	QC Batch	75-II	RDL	QC Batch
<b>Calculated Parameters</b>										
Hardness (CaCO3)	mg/L	670	1.0	7312951	2400	1.0	7312951	860	1.0	7312951
<b>Inorganics</b>										
Total Ammonia-N	mg/L	<0.050	0.050	7315624	6.1	0.050	7315624	27	0.050	7315628
Conductivity	umho/cm	2100	1.0	7315535	7700	1.0	7316078	5200	1.0	7316078
Total Dissolved Solids	mg/L	1220	10	7315539	5370	20	7313849	2830	10	7313849
Fluoride (F-)	mg/L	0.99	0.10	7315536	0.83	0.10	7316067	1.1	0.10	7316067
Total Kjeldahl Nitrogen (TKN)	mg/L	0.33	0.10	7315265	7.7	0.50	7315265	29	1.0	7315617
Total Organic Carbon (TOC)	mg/L	2.5	0.40	7315260	2.7	0.40	7315260	7.2	0.40	7315262
Orthophosphate (P)	mg/L	<0.010	0.010	7316132	<0.010	0.010	7316138	<0.010	0.010	7316138
pH	pH	7.77		7315534	7.35		7316074	7.56		7316074
Phenols-4AAP	mg/L	<0.0010	0.0010	7315013	<0.0010	0.0010	7315010	<0.0010	0.0010	7315013
Alkalinity (Total as CaCO3)	mg/L	300	1.0	7315509	210	1.0	7316072	190	1.0	7316072
Nitrite (N)	mg/L	0.031	0.010	7315413	<0.010	0.010	7316103	<0.010	0.010	7316103
Dissolved Chloride (Cl-)	mg/L	320	5.0	7316147	1700	10	7316189	1100	10	7316189
Nitrate (N)	mg/L	2.99	0.10	7315413	<0.10	0.10	7316103	<0.10	0.10	7316103
Nitrate + Nitrite (N)	mg/L	3.02	0.10	7315413	<0.10	0.10	7316103	<0.10	0.10	7316103
Dissolved Bromide (Br-)	mg/L	<5.0	5.0	7316147	10	10	7316189	<10	10	7316189
Dissolved Sulphate (SO4)	mg/L	350	5.0	7316147	1700	10	7316189	800	10	7316189
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

**RESULTS OF ANALYSES OF WATER**

BV Labs ID		PJL772			PJL772			PJL773		
Sampling Date		2021/04/20			2021/04/20			2021/04/20		
COC Number		819873-09-01			819873-09-01			819873-09-01		
	UNITS	75-III	RDL	QC Batch	75-III Lab-Dup	RDL	QC Batch	41-I	RDL	QC Batch

<b>Calculated Parameters</b>										
Hardness (CaCO3)	mg/L	870	1.0	7312951				1900	1.0	7312951
<b>Inorganics</b>										
Total Ammonia-N	mg/L	1.8	0.050	7315624				7.3	0.050	7315628
Conductivity	umho/cm	2700	1.0	7316078				4900	1.0	7316078
Total Dissolved Solids	mg/L	1680	10	7313849				3370	10	7315539
Fluoride (F-)	mg/L	0.32	0.10	7316067				0.76	0.10	7316067
Total Kjeldahl Nitrogen (TKN)	mg/L	2.1	0.10	7315265				8.2	0.20	7315617
Total Organic Carbon (TOC)	mg/L	3.7	0.40	7315260				2.2	0.40	7315262
Orthophosphate (P)	mg/L	<0.010	0.010	7316138				<0.010	0.010	7316138
pH	pH	7.60		7316074				7.53		7316074
Phenols-4AAP	mg/L	<0.0010	0.0010	7315010				<0.0010	0.0010	7315013
Alkalinity (Total as CaCO3)	mg/L	410	1.0	7316072				230	1.0	7316072
Nitrite (N)	mg/L	<0.010	0.010	7316103	<0.010	0.010	7316103	<0.010	0.010	7316114
Dissolved Chloride (Cl-)	mg/L	410	5.0	7316189				780	10	7316189
Nitrate (N)	mg/L	<0.10	0.10	7316103	<0.10	0.10	7316103	<0.10	0.10	7316114
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	7316103	<0.10	0.10	7316103	<0.10	0.10	7316114
Dissolved Bromide (Br-)	mg/L	<5.0	5.0	7316189				<10	10	7316189
Dissolved Sulphate (SO4)	mg/L	480	5.0	7316189				1500	10	7316189

RDL = Reportable Detection Limit  
 QC Batch = Quality Control Batch  
 Lab-Dup = Laboratory Initiated Duplicate



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PJL774			PJL774			PJL775		
Sampling Date		2021/04/20			2021/04/20			2021/04/20		
COC Number		819873-09-01			819873-09-01			819873-09-01		
	UNITS	41-II	RDL	QC Batch	41-II Lab-Dup	RDL	QC Batch	41-III	RDL	QC Batch

Calculated Parameters										
Hardness (CaCO3)	mg/L	510	1.0	7312951				570	1.0	7312951
Inorganics										
Total Ammonia-N	mg/L	<0.050	0.050	7315624				<0.050	0.050	7315628
Conductivity	umho/cm	990	1.0	7316078				1100	1.0	7316078
Total Dissolved Solids	mg/L	525	10	7317387	505	10	7317387	580	10	7317387
Fluoride (F-)	mg/L	0.40	0.10	7316067				0.39	0.10	7316067
Total Kjeldahl Nitrogen (TKN)	mg/L	0.17	0.10	7315265				0.29	0.10	7315617
Total Organic Carbon (TOC)	mg/L	2.1	0.40	7315260				3.1	0.40	7315262
Orthophosphate (P)	mg/L	<0.010	0.010	7316138				<0.010	0.010	7316138
pH	pH	7.87		7316074				7.68		7316074
Phenols-4AAP	mg/L	<0.0010	0.0010	7315013				<0.0010	0.0010	7315013
Alkalinity (Total as CaCO3)	mg/L	420	1.0	7316072				440	1.0	7316072
Nitrite (N)	mg/L	<0.010	0.010	7316103				<0.010	0.010	7316103
Dissolved Chloride (Cl-)	mg/L	38	1.0	7316189				54	1.0	7316189
Nitrate (N)	mg/L	<0.10	0.10	7316103				<0.10	0.10	7316103
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	7316103				<0.10	0.10	7316103
Dissolved Bromide (Br-)	mg/L	<1.0	1.0	7316189				<1.0	1.0	7316189
Dissolved Sulphate (SO4)	mg/L	83	1.0	7316189				110	1.0	7316189

RDL = Reportable Detection Limit  
 QC Batch = Quality Control Batch  
 Lab-Dup = Laboratory Initiated Duplicate



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PJL776			PJL777			PJL778		
Sampling Date		2021/04/20			2021/04/20			2021/04/20		
COC Number		819873-09-01			819873-09-01			819873-09-01		
	UNITS	62-I	RDL	QC Batch	62-II	RDL	QC Batch	62-III	RDL	QC Batch
<b>Calculated Parameters</b>										
Hardness (CaCO3)	mg/L	2100	1.0	7312951	2000	1.0	7312951	600	1.0	7312951
<b>Inorganics</b>										
Total Ammonia-N	mg/L	24	0.050	7315624	34	0.25	7315624	0.21	0.050	7315624
Conductivity	umho/cm	7700	1.0	7316078	7300	1.0	7315535	1500	1.0	7315535
Total Dissolved Solids	mg/L	5240	20	7313849	5000	20	7315539	860	10	7313849
Fluoride (F-)	mg/L	0.93	0.10	7316067	0.97	0.10	7315536	0.19	0.10	7315536
Total Kjeldahl Nitrogen (TKN)	mg/L	26	1.0	7315265	35	1.0	7315265	0.43	0.10	7315265
Total Organic Carbon (TOC)	mg/L	3.6	0.40	7315260	4.6	0.40	7315260	1.8	0.40	7315260
Orthophosphate (P)	mg/L	<0.010	0.010	7316138	<0.010	0.010	7316132	<0.010	0.010	7316132
pH	pH	7.37		7316074	7.61		7315534	7.80		7315534
Phenols-4AAP	mg/L	<0.0010	0.0010	7315010	<0.0010	0.0010	7315013	<0.0010	0.0010	7315013
Alkalinity (Total as CaCO3)	mg/L	190	1.0	7316072	200	1.0	7315509	390	1.0	7315509
Nitrite (N)	mg/L	<0.010	0.010	7316103	<0.010	0.010	7315413	<0.010	0.010	7315413
Dissolved Chloride (Cl-)	mg/L	1600	10	7316189	1400	10	7316147	120	1.0	7316147
Nitrate (N)	mg/L	<0.10	0.10	7316103	<0.10	0.10	7315413	<0.10	0.10	7315413
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	7316103	<0.10	0.10	7315413	<0.10	0.10	7315413
Dissolved Bromide (Br-)	mg/L	<10	10	7316189	<10	10	7316147	<1.0	1.0	7316147
Dissolved Sulphate (SO4)	mg/L	1800	10	7316189	1700	10	7316147	230	1.0	7316147
RDL = Reportable Detection Limit QC Batch = Quality Control Batch										



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PJL779				PJL780				PJL781		
Sampling Date		2021/04/20				2021/04/20				2021/04/20		
COC Number		819873-09-01				819873-09-01				819873-09-01		
	UNITS	62-IV	RDL	QC Batch	4-III	RDL	QC Batch	31-II	RDL	QC Batch		
<b>Calculated Parameters</b>												
Hardness (CaCO <sub>3</sub> )	mg/L	690	1.0	7312951	600	1.0	7312951	150	1.0	7312951		
<b>Inorganics</b>												
Total Ammonia-N	mg/L	0.78	0.050	7315628	0.20	0.050	7315624	0.10	0.050	7315624		
Total BOD	mg/L							<2	2	7312486		
Conductivity	umho/cm	1900	1.0	7316078	1500	1.0	7316078	400	1.0	7315535		
Total Dissolved Solids	mg/L	1150	10	7313849	845	10	7315539	225	10	7315539		
Fluoride (F <sup>-</sup> )	mg/L	0.33	0.10	7316067	0.19	0.10	7316067	0.35	0.10	7315536		
Total Kjeldahl Nitrogen (TKN)	mg/L	1.0	0.10	7315617	0.37	0.10	7315265	0.42	0.10	7315265		
Total Organic Carbon (TOC)	mg/L	3.2	0.40	7315262	1.7	0.40	7315260	7.5	0.40	7315260		
Orthophosphate (P)	mg/L	<0.010	0.010	7316138	<0.010	0.010	7316138	<0.010	0.010	7316132		
pH	pH	7.84		7316074	7.76		7316074	9.23		7315534		
Phenols-4AAP	mg/L	<0.0010	0.0010	7315013	<0.0010	0.0010	7315013	<0.0010	0.0010	7315010		
Alkalinity (Total as CaCO <sub>3</sub> )	mg/L	200	1.0	7316072	380	1.0	7316072	61	1.0	7315509		
Nitrite (N)	mg/L	<0.010	0.010	7316103	<0.010	0.010	7316103	0.146	0.010	7315413		
Dissolved Chloride (Cl <sup>-</sup> )	mg/L	300	5.0	7316189	120	1.0	7316189	18	1.0	7316147		
Nitrate (N)	mg/L	0.36	0.10	7316103	<0.10	0.10	7316103	0.18	0.10	7315413		
Nitrate + Nitrite (N)	mg/L	0.36	0.10	7316103	<0.10	0.10	7316103	0.32	0.10	7315413		
Dissolved Bromide (Br <sup>-</sup> )	mg/L	<5.0	5.0	7316189	<1.0	1.0	7316189	<1.0	1.0	7316147		
Dissolved Sulphate (SO <sub>4</sub> )	mg/L	380	5.0	7316189	240	1.0	7316189	95	1.0	7316147		
RDL = Reportable Detection Limit												
QC Batch = Quality Control Batch												



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PJL781			PJL782			PJL783		
Sampling Date		2021/04/20			2021/04/20			2021/04/20		
COC Number		819873-09-01			819873-10-01			819873-10-01		
	UNITS	31-II Lab-Dup	RDL	QC Batch	67-I	RDL	QC Batch	67-II	RDL	QC Batch

Calculated Parameters										
Hardness (CaCO3)	mg/L				1500	1.0	7312951	1100	1.0	7312951
Inorganics										
Total Ammonia-N	mg/L				41	0.25	7315624	22	0.050	7315628
Conductivity	umho/cm				6500	1.0	7315535	4000	1.0	7315535
Total Dissolved Solids	mg/L				4010	20	7313849	2260	10	7313849
Fluoride (F-)	mg/L				1.1	0.10	7315536	0.67	0.10	7315536
Total Kjeldahl Nitrogen (TKN)	mg/L	0.44	0.10	7315265	41	1.0	7315265	22	1.0	7315617
Total Organic Carbon (TOC)	mg/L				7.7	0.40	7315260	4.9	0.40	7315262
Orthophosphate (P)	mg/L				<0.010	0.010	7316132	<0.010	0.010	7316132
pH	pH				7.80		7315534	7.70		7315534
Phenols-4AAP	mg/L				<0.0010	0.0010	7315013	0.0012	0.0010	7315010
Alkalinity (Total as CaCO3)	mg/L				170	1.0	7315509	350	1.0	7315509
Nitrite (N)	mg/L				<0.010	0.010	7315413	<0.010	0.010	7315413
Dissolved Chloride (Cl-)	mg/L				1300	10	7316147	680	5.0	7316189
Nitrate (N)	mg/L				<0.10	0.10	7315413	<0.10	0.10	7315413
Nitrate + Nitrite (N)	mg/L				<0.10	0.10	7315413	<0.10	0.10	7315413
Dissolved Bromide (Br-)	mg/L				<10	10	7316147	<5.0	5.0	7316189
Dissolved Sulphate (SO4)	mg/L				1400	10	7316147	790	5.0	7316189

RDL = Reportable Detection Limit  
 QC Batch = Quality Control Batch  
 Lab-Dup = Laboratory Initiated Duplicate



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PJL783			PJL784			PJL784		
Sampling Date		2021/04/20			2021/04/20			2021/04/20		
COC Number		819873-10-01			819873-10-01			819873-10-01		
	UNITS	67-II Lab-Dup	RDL	QC Batch	67-III	RDL	QC Batch	67-III Lab-Dup	RDL	QC Batch
<b>Calculated Parameters</b>										
Hardness (CaCO3)	mg/L				620	1.0	7312951			
<b>Inorganics</b>										
Total Ammonia-N	mg/L				8.0	0.050	7315624			
Conductivity	umho/cm				2100	1.0	7316078	2100	1.0	7316078
Total Dissolved Solids	mg/L				1210	10	7313849			
Fluoride (F-)	mg/L				0.58	0.10	7316067	0.56	0.10	7316067
Total Kjeldahl Nitrogen (TKN)	mg/L	26	1.0	7315617	8.3	0.50	7315265			
Total Organic Carbon (TOC)	mg/L				4.7	0.40	7315260			
Orthophosphate (P)	mg/L				<0.010	0.010	7316132			
pH	pH				7.86		7316074	7.84		7316074
Phenols-4AAP	mg/L				0.0091	0.0020	7315010			
Alkalinity (Total as CaCO3)	mg/L				330	1.0	7316072	330	1.0	7316072
Nitrite (N)	mg/L				0.013	0.010	7315413			
Dissolved Chloride (Cl-)	mg/L				300	5.0	7316147			
Nitrate (N)	mg/L				0.27	0.10	7315413			
Nitrate + Nitrite (N)	mg/L				0.28	0.10	7315413			
Dissolved Bromide (Br-)	mg/L				<5.0	5.0	7316147			
Dissolved Sulphate (SO4)	mg/L				350	5.0	7316147			
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate										



**RESULTS OF ANALYSES OF WATER**

<b>BV Labs ID</b>		PJL785			PJL785			PJL786		
<b>Sampling Date</b>		2021/04/20			2021/04/20			2021/04/20		
<b>COC Number</b>		819873-10-01			819873-10-01			819873-10-01		
	<b>UNITS</b>	<b>2-III</b>	<b>RDL</b>	<b>QC Batch</b>	<b>2-III Lab-Dup</b>	<b>RDL</b>	<b>QC Batch</b>	<b>36-IR</b>	<b>RDL</b>	<b>QC Batch</b>

<b>Calculated Parameters</b>										
Hardness (CaCO3)	mg/L	2700	1.0	7312951				2200	1.0	7310369
<b>Inorganics</b>										
Total Ammonia-N	mg/L	37	0.25	7315624				9.3	0.050	7315628
Conductivity	umho/cm	11000	1.0	7315535				6300	1.0	7315535
Total Dissolved Solids	mg/L	6980	20	7313849				4280	10	7313849
Fluoride (F-)	mg/L	1.1	0.10	7315536				1.0	0.10	7315536
Total Kjeldahl Nitrogen (TKN)	mg/L	39	1.0	7315265				9.9	0.50	7315617
Total Organic Carbon (TOC)	mg/L	7.0	0.40	7315260				2.5	0.40	7315262
Orthophosphate (P)	mg/L	0.012	0.010	7316132				<0.010	0.010	7316132
pH	pH	8.17		7315534				7.59		7315534
Phenols-4AAP	mg/L	<0.0010	0.0010	7315013	<0.0010	0.0010	7315013	0.0011	0.0010	7315010
Alkalinity (Total as CaCO3)	mg/L	99	1.0	7315509				260	1.0	7315509
Nitrite (N)	mg/L	<0.010	0.010	7315413				<0.010	0.010	7315413
Dissolved Chloride (Cl-)	mg/L	2500	20	7316147				1100	10	7316147
Nitrate (N)	mg/L	<0.10	0.10	7315413				<0.10	0.10	7315413
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	7315413				<0.10	0.10	7315413
Dissolved Bromide (Br-)	mg/L	<20	20	7316147				<10	10	7316147
Dissolved Sulphate (SO4)	mg/L	1700	20	7316147				1800	10	7316147

RDL = Reportable Detection Limit  
QC Batch = Quality Control Batch  
Lab-Dup = Laboratory Initiated Duplicate





BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PJL787			PJL788			PJL789		
Sampling Date		2021/04/20			2021/04/20			2021/04/20		
COC Number		819873-10-01			819873-10-01			819873-10-01		
	UNITS	36-IIR	RDL	QC Batch	36-IIIR	RDL	QC Batch	36-IVR	RDL	QC Batch
<b>Calculated Parameters</b>										
Hardness (CaCO3)	mg/L	5700	1.0	7312951	2100	1.0	7312951	720	1.0	7312951
<b>Inorganics</b>										
Total Ammonia-N	mg/L	8.8	0.050	7315624	4.0	0.050	7315624	<0.050	0.050	7315628
Conductivity	umho/cm	21000	1.0	7315535	6300	1.0	7315535	1400	1.0	7315535
Total Dissolved Solids	mg/L	12900	20	7313849	4320	10	7315539	880	10	7315539
Fluoride (F-)	mg/L	0.64	0.10	7315536	1.1	0.10	7315536	1.3	0.10	7315536
Total Kjeldahl Nitrogen (TKN)	mg/L	9.5	0.50	7315265	4.1	0.10	7315265	0.22	0.10	7315617
Total Organic Carbon (TOC)	mg/L	2.0	0.40	7315260	1.7	0.40	7315260	1.8	0.40	7315262
Orthophosphate (P)	mg/L	0.020	0.010	7316132	<0.010	0.010	7316132	<0.010	0.010	7316132
pH	pH	7.58		7315534	7.87		7315534	8.03		7315534
Phenols-4AAP	mg/L	0.0018	0.0010	7315010	<0.0010	0.0010	7315010	<0.0010	0.0010	7315013
Alkalinity (Total as CaCO3)	mg/L	260	1.0	7315509	250	1.0	7315509	360	1.0	7315509
Nitrite (N)	mg/L	<0.010	0.010	7315413	0.012	0.010	7315413	<0.010	0.010	7315413
Dissolved Chloride (Cl-)	mg/L	6500	50	7316147	1000	10	7316147	34	1.0	7316147
Nitrate (N)	mg/L	<0.10	0.10	7315413	<0.10	0.10	7315413	0.11	0.10	7315413
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	7315413	<0.10	0.10	7315413	0.11	0.10	7315413
Dissolved Bromide (Br-)	mg/L	71	50	7316147	<10	10	7316147	<1.0	1.0	7316147
Dissolved Sulphate (SO4)	mg/L	1600	50	7316147	2000	10	7316147	360	1.0	7316147
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### RESULTS OF ANALYSES OF WATER

<b>BV Labs ID</b>		PJL789			PJL790			PJL791		
<b>Sampling Date</b>		2021/04/20			2021/04/20			2021/04/20		
<b>COC Number</b>		819873-10-01			819873-10-01			819873-10-01		
	<b>UNITS</b>	<b>36-IVR Lab-Dup</b>	<b>RDL</b>	<b>QC Batch</b>	<b>36-VR</b>	<b>RDL</b>	<b>QC Batch</b>	<b>P4-I</b>	<b>RDL</b>	<b>QC Batch</b>

<b>Calculated Parameters</b>										
Hardness (CaCO3)	mg/L				760	1.0	7312951	2500	1.0	7312951
<b>Inorganics</b>										
Total Ammonia-N	mg/L	<0.050	0.050	7315628	49	0.25	7315628	37	0.25	7315624
Conductivity	umho/cm				6400	1.0	7315535	11000	1.0	7315535
Total Dissolved Solids	mg/L				3510	20	7315539	6350	20	7313849
Fluoride (F-)	mg/L				2.3	0.10	7315536	1.1	0.10	7315536
Total Kjeldahl Nitrogen (TKN)	mg/L				52	2.0	7315617	38	1.0	7315265
Total Organic Carbon (TOC)	mg/L	1.8	0.40	7315262	13	0.40	7315262	7.0	0.40	7315260
Orthophosphate (P)	mg/L				<0.010	0.010	7316132	0.013	0.010	7316132
pH	pH				8.17		7315534	8.13		7315534
Phenols-4AAP	mg/L				0.20	0.010	7315013	<0.0010	0.0010	7315013
Alkalinity (Total as CaCO3)	mg/L				66	1.0	7315509	110	1.0	7315509
Nitrite (N)	mg/L				<0.010	0.010	7315413	<0.010	0.010	7315413
Dissolved Chloride (Cl-)	mg/L				1600	10	7316147	2500	20	7316147
Nitrate (N)	mg/L				<0.10	0.10	7315413	<0.10	0.10	7315413
Nitrate + Nitrite (N)	mg/L				<0.10	0.10	7315413	<0.10	0.10	7315413
Dissolved Bromide (Br-)	mg/L				<10	10	7316147	<20	20	7316147
Dissolved Sulphate (SO4)	mg/L				670	10	7316147	1800	20	7316147

RDL = Reportable Detection Limit  
 QC Batch = Quality Control Batch  
 Lab-Dup = Laboratory Initiated Duplicate



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

**RESULTS OF ANALYSES OF WATER**

BV Labs ID		PJL791			PJL792			PJL792		
Sampling Date		2021/04/20			2021/04/20			2021/04/20		
COC Number		819873-10-01			819873-11-01			819873-11-01		
	UNITS	P4-I Lab-Dup	RDL	QC Batch	P4-II	RDL	QC Batch	P4-II Lab-Dup	RDL	QC Batch
<b>Calculated Parameters</b>										
Hardness (CaCO3)	mg/L				190	1.0	7312951			
<b>Inorganics</b>										
Total Ammonia-N	mg/L				210	1.0	7315628			
Conductivity	umho/cm				13000	1.0	7315535			
Total Dissolved Solids	mg/L				7070	20	7317387			
Fluoride (F-)	mg/L				3.3	0.10	7315536			
Total Kjeldahl Nitrogen (TKN)	mg/L				210	10	7315617			
Total Organic Carbon (TOC)	mg/L				36	0.40	7315262			
Orthophosphate (P)	mg/L	0.013	0.010	7316132	0.052	0.010	7316138			
pH	pH				9.46		7315534			
Phenols-4AAP	mg/L				0.98	0.050	7315013			
Alkalinity (Total as CaCO3)	mg/L				560	1.0	7315509			
Nitrite (N)	mg/L				<0.010	0.010	7316103			
Dissolved Chloride (Cl-)	mg/L				4100	50	7316189	4200	50	7316189
Nitrate (N)	mg/L				<0.10	0.10	7316103			
Nitrate + Nitrite (N)	mg/L				<0.10	0.10	7316103			
Dissolved Bromide (Br-)	mg/L				<50	50	7316189	<50	50	7316189
Dissolved Sulphate (SO4)	mg/L				390	50	7316189	370	50	7316189
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate										



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PJL793			PJL794		
Sampling Date		2021/04/20			2021/04/20		
COC Number		819873-11-01			819873-11-01		
	UNITS	P4-III	RDL	QC Batch	68-IV	RDL	QC Batch
<b>Calculated Parameters</b>							
Hardness (CaCO <sub>3</sub> )	mg/L	2100	1.0	7312951	290	1.0	7312951
<b>Inorganics</b>							
Total Ammonia-N	mg/L	13	0.050	7315624	<0.050	0.050	7315624
Conductivity	umho/cm	9200	1.0	7315535	810	1.0	7315535
Total Dissolved Solids	mg/L	6050	20	7313849	415	10	7313849
Fluoride (F <sup>-</sup> )	mg/L	0.96	0.10	7315536	0.72	0.10	7315536
Total Kjeldahl Nitrogen (TKN)	mg/L	15	0.50	7315265	0.20	0.10	7315265
Total Organic Carbon (TOC)	mg/L	14	0.40	7315260	2.8	0.40	7315260
Orthophosphate (P)	mg/L	<0.010	0.010	7316132	<0.010	0.010	7316132
pH	pH	8.31		7315534	7.96		7315534
Phenols-4AAP	mg/L	<0.0010	0.0010	7315010	<0.0010	0.0010	7315010
Alkalinity (Total as CaCO <sub>3</sub> )	mg/L	120	1.0	7315509	230	1.0	7315509
Nitrite (N)	mg/L	<0.010	0.010	7316114	<0.010	0.010	7315413
Dissolved Chloride (Cl <sup>-</sup> )	mg/L	2300	20	7316147	72	1.0	7316147
Nitrate (N)	mg/L	<0.10	0.10	7316114	0.11	0.10	7315413
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	7316114	0.11	0.10	7315413
Dissolved Bromide (Br <sup>-</sup> )	mg/L	<20	20	7316147	<1.0	1.0	7316147
Dissolved Sulphate (SO <sub>4</sub> )	mg/L	1200	20	7316147	68	1.0	7316147
RDL = Reportable Detection Limit							
QC Batch = Quality Control Batch							



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

BV Labs ID		PJL762			PJL763			PJL764		
Sampling Date		2021/04/20			2021/04/20			2021/04/20		
COC Number		819873-08-01			819873-08-01			819873-08-01		
	UNITS	P3-II	RDL	QC Batch	43-I	RDL	QC Batch	43-II	RDL	QC Batch
<b>Metals</b>										
Dissolved Aluminum (Al)	ug/L	<4.9	4.9	7325001	<4.9	4.9	7314797	<4.9	4.9	7314787
Dissolved Antimony (Sb)	ug/L	<0.50	0.50	7325001	<0.50	0.50	7314797	<0.50	0.50	7314787
Dissolved Arsenic (As)	ug/L	1.8	1.0	7325001	<1.0	1.0	7314797	<1.0	1.0	7314787
Dissolved Barium (Ba)	ug/L	20	2.0	7325001	15	2.0	7314797	16	2.0	7314787
Dissolved Beryllium (Be)	ug/L	<0.40	0.40	7325001	<0.40	0.40	7314797	<0.40	0.40	7314787
Dissolved Bismuth (Bi)	ug/L	<1.0	1.0	7325001	<1.0	1.0	7314797	<1.0	1.0	7314787
Dissolved Boron (B)	ug/L	860	10	7325001	970	10	7314797	690	10	7314787
Dissolved Cadmium (Cd)	ug/L	<0.090	0.090	7325001	<0.090	0.090	7314797	<0.090	0.090	7314787
Dissolved Calcium (Ca)	ug/L	240000	200	7325001	660000	1000	7314797	290000	1000	7314787
Dissolved Chromium (Cr)	ug/L	<5.0	5.0	7325001	<5.0	5.0	7314797	<5.0	5.0	7314787
Dissolved Cobalt (Co)	ug/L	<0.50	0.50	7325001	<0.50	0.50	7314797	<0.50	0.50	7314787
Dissolved Copper (Cu)	ug/L	<0.90	0.90	7325001	<0.90	0.90	7314797	<0.90	0.90	7314787
Dissolved Iron (Fe)	ug/L	330	100	7325001	190	100	7314797	<100	100	7314787
Dissolved Lead (Pb)	ug/L	<0.50	0.50	7325001	<0.50	0.50	7314797	<0.50	0.50	7314787
Dissolved Lithium (Li)	ug/L	53	5.0	7325001	240	5.0	7314797	96	5.0	7314787
Dissolved Magnesium (Mg)	ug/L	44000	50	7325001	90000	50	7314797	72000	50	7314787
Dissolved Manganese (Mn)	ug/L	56	2.0	7325001	67	2.0	7314797	57	2.0	7314787
Dissolved Molybdenum (Mo)	ug/L	<0.50	0.50	7325001	<0.50	0.50	7314797	<0.50	0.50	7314787
Dissolved Nickel (Ni)	ug/L	1.5	1.0	7325001	<1.0	1.0	7314797	<1.0	1.0	7314787
Dissolved Phosphorus (P)	ug/L	<100	100	7325001	<100	100	7314797	<100	100	7314787
Dissolved Potassium (K)	ug/L	32000	200	7325001	38000	200	7314797	15000	200	7314787
Dissolved Selenium (Se)	ug/L	<2.0	2.0	7325001	4.7	2.0	7314797	<2.0	2.0	7314787
Dissolved Silicon (Si)	ug/L	11000	50	7325001	4700	50	7314797	3600	50	7314787
Dissolved Silver (Ag)	ug/L	<0.090	0.090	7325001	<0.090	0.090	7314797	<0.090	0.090	7314787
Dissolved Sodium (Na)	ug/L	230000	100	7325001	600000	500	7314797	180000	100	7314787
Dissolved Strontium (Sr)	ug/L	4400	1.0	7325001	13000	1.0	7314797	11000	1.0	7314787
Dissolved Tellurium (Te)	ug/L	<1.0	1.0	7325001	<1.0	1.0	7314797	<1.0	1.0	7314787
Dissolved Thallium (Tl)	ug/L	<0.050	0.050	7325001	<0.050	0.050	7314797	<0.050	0.050	7314787
Dissolved Tin (Sn)	ug/L	<1.0	1.0	7325001	<1.0	1.0	7314797	<1.0	1.0	7314787
Dissolved Titanium (Ti)	ug/L	<5.0	5.0	7325001	<5.0	5.0	7314797	<5.0	5.0	7314787
Dissolved Tungsten (W)	ug/L	2.5	1.0	7325001	<1.0	1.0	7314797	<1.0	1.0	7314787
Dissolved Uranium (U)	ug/L	<0.10	0.10	7325001	<0.10	0.10	7314797	<0.10	0.10	7314787
Dissolved Vanadium (V)	ug/L	<0.50	0.50	7325001	<0.50	0.50	7314797	<0.50	0.50	7314787
Dissolved Zinc (Zn)	ug/L	<5.0	5.0	7325001	<5.0	5.0	7314797	<5.0	5.0	7314787
Dissolved Zirconium (Zr)	ug/L	<1.0	1.0	7325001	<1.0	1.0	7314797	<1.0	1.0	7314787
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

BV Labs ID		PJL765			PJL766	PJL767			PJL768		
Sampling Date		2021/04/20			2021/04/20	2021/04/20			2021/04/20		
COC Number		819873-08-01			819873-08-01	819873-08-01			819873-08-01		
	UNITS	2-IV	RDL	QC Batch	G11	57-IR	RDL	QC Batch	57-II	RDL	QC Batch

Metals											
Dissolved Aluminum (Al)	ug/L	<25	25	7314803	8.8	4100	4.9	7314787	230	4.9	7314803
Dissolved Antimony (Sb)	ug/L	<2.5	2.5	7314803	<0.50	0.63	0.50	7314787	<0.50	0.50	7314803
Dissolved Arsenic (As)	ug/L	<5.0	5.0	7314803	<1.0	4.2	1.0	7314787	<1.0	1.0	7314803
Dissolved Barium (Ba)	ug/L	15	10	7314803	36	19	2.0	7314787	99	2.0	7314803
Dissolved Beryllium (Be)	ug/L	<2.0	2.0	7314803	<0.40	<0.40	0.40	7314787	<0.40	0.40	7314803
Dissolved Bismuth (Bi)	ug/L	<5.0	5.0	7314803	<1.0	<1.0	1.0	7314787	<1.0	1.0	7314803
Dissolved Boron (B)	ug/L	910	50	7314803	71	440	10	7314787	45	10	7314803
Dissolved Cadmium (Cd)	ug/L	<0.45	0.45	7314803	<0.090	<0.090	0.090	7314787	<0.090	0.090	7314803
Dissolved Calcium (Ca)	ug/L	710000	1000	7314803	200000	66000	200	7314787	340000	200	7314803
Dissolved Chromium (Cr)	ug/L	<25	25	7314803	<5.0	<5.0	5.0	7314787	<5.0	5.0	7314803
Dissolved Cobalt (Co)	ug/L	<2.5	2.5	7314803	<0.50	<0.50	0.50	7314787	<0.50	0.50	7314803
Dissolved Copper (Cu)	ug/L	<4.5	4.5	7314803	3.0	<0.90	0.90	7314787	17	0.90	7314803
Dissolved Iron (Fe)	ug/L	<500	500	7314803	<100	<100	100	7314787	<100	100	7314803
Dissolved Lead (Pb)	ug/L	<2.5	2.5	7314803	<0.50	<0.50	0.50	7314787	12	0.50	7314803
Dissolved Lithium (Li)	ug/L	220	25	7314803	11	28	5.0	7314787	12	5.0	7314803
Dissolved Magnesium (Mg)	ug/L	92000	250	7314803	44000	1100	50	7314787	<50	50	7314803
Dissolved Manganese (Mn)	ug/L	65	10	7314803	5.3	<2.0	2.0	7314787	<2.0	2.0	7314803
Dissolved Molybdenum (Mo)	ug/L	<2.5	2.5	7314803	13	86	0.50	7314787	21	0.50	7314803
Dissolved Nickel (Ni)	ug/L	<5.0	5.0	7314803	33	34	1.0	7314787	1.3	1.0	7314803
Dissolved Phosphorus (P)	ug/L	<500	500	7314803	<100	620	100	7314787	<100	100	7314803
Dissolved Potassium (K)	ug/L	35000	1000	7314803	2600	180000	200	7314787	11000	200	7314803
Dissolved Selenium (Se)	ug/L	<10	10	7314803	<2.0	<2.0	2.0	7314787	<2.0	2.0	7314803
Dissolved Silicon (Si)	ug/L	4400	250	7314803	3000	8600	50	7314787	940	50	7314803
Dissolved Silver (Ag)	ug/L	<0.45	0.45	7314803	<0.090	<0.090	0.090	7314787	<0.090	0.090	7314803
Dissolved Sodium (Na)	ug/L	600000	500	7314803	880000	2700000	500	7314787	12000	100	7314803
Dissolved Strontium (Sr)	ug/L	12000	5.0	7314803	1700	1100	1.0	7314787	420	1.0	7314803
Dissolved Tellurium (Te)	ug/L	<5.0	5.0	7314803	<1.0	<1.0	1.0	7314787	<1.0	1.0	7314803
Dissolved Thallium (Tl)	ug/L	<0.25	0.25	7314803	0.29	<0.050	0.050	7314787	<0.050	0.050	7314803
Dissolved Tin (Sn)	ug/L	<5.0	5.0	7314803	<1.0	<1.0	1.0	7314787	<1.0	1.0	7314803
Dissolved Titanium (Ti)	ug/L	<25	25	7314803	<5.0	<5.0	5.0	7314787	<5.0	5.0	7314803
Dissolved Tungsten (W)	ug/L	<5.0	5.0	7314803	<1.0	23	1.0	7314787	1.8	1.0	7314803
Dissolved Uranium (U)	ug/L	<0.50	0.50	7314803	16	<0.10	0.10	7314787	<0.10	0.10	7314803
Dissolved Vanadium (V)	ug/L	<2.5	2.5	7314803	<0.50	1.0	0.50	7314787	5.2	0.50	7314803
Dissolved Zinc (Zn)	ug/L	<25	25	7314803	730	<5.0	5.0	7314787	<5.0	5.0	7314803
Dissolved Zirconium (Zr)	ug/L	<5.0	5.0	7314803	<1.0	<1.0	1.0	7314787	<1.0	1.0	7314803

RDL = Reportable Detection Limit  
QC Batch = Quality Control Batch



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

BV Labs ID		PJL769		PJL770			PJL771		PJL772		
Sampling Date		2021/04/20		2021/04/20			2021/04/20		2021/04/20		
COC Number		819873-08-01		819873-08-01			819873-08-01		819873-09-01		
	UNITS	G13	RDL	75-I	RDL	QC Batch	75-II	RDL	75-III	RDL	QC Batch
<b>Metals</b>											
Dissolved Aluminum (Al)	ug/L	<4.9	4.9	<4.9	4.9	7314787	<4.9	4.9	<4.9	4.9	7314797
Dissolved Antimony (Sb)	ug/L	<0.50	0.50	<0.50	0.50	7314787	<0.50	0.50	<0.50	0.50	7314797
Dissolved Arsenic (As)	ug/L	<1.0	1.0	<1.0	1.0	7314787	<1.0	1.0	<1.0	1.0	7314797
Dissolved Barium (Ba)	ug/L	29	2.0	12	2.0	7314787	22	2.0	7.3	2.0	7314797
Dissolved Beryllium (Be)	ug/L	<0.40	0.40	<0.40	0.40	7314787	<0.40	0.40	<0.40	0.40	7314797
Dissolved Bismuth (Bi)	ug/L	<1.0	1.0	<1.0	1.0	7314787	<1.0	1.0	<1.0	1.0	7314797
Dissolved Boron (B)	ug/L	270	10	1400	10	7314787	810	10	310	10	7314797
Dissolved Cadmium (Cd)	ug/L	0.36	0.090	<0.090	0.090	7314787	<0.090	0.090	<0.090	0.090	7314797
Dissolved Calcium (Ca)	ug/L	180000	200	750000	1000	7314787	260000	1000	210000	200	7314797
Dissolved Chromium (Cr)	ug/L	<5.0	5.0	<5.0	5.0	7314787	<5.0	5.0	<5.0	5.0	7314797
Dissolved Cobalt (Co)	ug/L	<0.50	0.50	<0.50	0.50	7314787	<0.50	0.50	<0.50	0.50	7314797
Dissolved Copper (Cu)	ug/L	3.1	0.90	<0.90	0.90	7314787	<0.90	0.90	<0.90	0.90	7314797
Dissolved Iron (Fe)	ug/L	<100	100	<100	100	7314787	<100	100	<100	100	7314797
Dissolved Lead (Pb)	ug/L	0.71	0.50	<0.50	0.50	7314787	<0.50	0.50	<0.50	0.50	7314797
Dissolved Lithium (Li)	ug/L	17	5.0	510	25	7314787	82	5.0	35	5.0	7314797
Dissolved Magnesium (Mg)	ug/L	52000	50	130000	50	7314787	50000	50	81000	50	7314797
Dissolved Manganese (Mn)	ug/L	11	2.0	110	2.0	7314787	29	2.0	50	2.0	7314797
Dissolved Molybdenum (Mo)	ug/L	6.2	0.50	<0.50	0.50	7314787	<0.50	0.50	<0.50	0.50	7314797
Dissolved Nickel (Ni)	ug/L	15	1.0	<1.0	1.0	7314787	<1.0	1.0	3.1	1.0	7314797
Dissolved Phosphorus (P)	ug/L	<100	100	<100	100	7314787	<100	100	<100	100	7314797
Dissolved Potassium (K)	ug/L	2000	200	34000	200	7314787	50000	200	11000	200	7314797
Dissolved Selenium (Se)	ug/L	<2.0	2.0	<2.0	2.0	7314787	16	2.0	2.2	2.0	7314797
Dissolved Silicon (Si)	ug/L	3700	50	3600	50	7314787	7100	50	6200	50	7314797
Dissolved Silver (Ag)	ug/L	<0.090	0.090	<0.090	0.090	7314787	<0.090	0.090	<0.090	0.090	7314797
Dissolved Sodium (Na)	ug/L	180000	100	760000	500	7314787	700000	500	250000	100	7314797
Dissolved Strontium (Sr)	ug/L	1700	1.0	13000	1.0	7314787	10000	1.0	2600	1.0	7314797
Dissolved Tellurium (Te)	ug/L	<1.0	1.0	<1.0	1.0	7314787	<1.0	1.0	<1.0	1.0	7314797
Dissolved Thallium (Tl)	ug/L	0.15	0.050	<0.050	0.050	7314787	<0.050	0.050	<0.050	0.050	7314797
Dissolved Tin (Sn)	ug/L	<1.0	1.0	<1.0	1.0	7314787	<1.0	1.0	<1.0	1.0	7314797
Dissolved Titanium (Ti)	ug/L	<5.0	5.0	<5.0	5.0	7314787	<5.0	5.0	<5.0	5.0	7314797
Dissolved Tungsten (W)	ug/L	<1.0	1.0	<1.0	1.0	7314787	<1.0	1.0	<1.0	1.0	7314797
Dissolved Uranium (U)	ug/L	9.7	0.10	<0.10	0.10	7314787	<0.10	0.10	0.30	0.10	7314797
Dissolved Vanadium (V)	ug/L	<0.50	0.50	<0.50	0.50	7314787	<0.50	0.50	<0.50	0.50	7314797
Dissolved Zinc (Zn)	ug/L	670	5.0	<5.0	5.0	7314787	<5.0	5.0	<5.0	5.0	7314797
Dissolved Zirconium (Zr)	ug/L	<1.0	1.0	<1.0	1.0	7314787	<1.0	1.0	<1.0	1.0	7314797
RDL = Reportable Detection Limit											
QC Batch = Quality Control Batch											



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

BV Labs ID		PJL773		PJL774	PJL775			PJL776		
Sampling Date		2021/04/20		2021/04/20	2021/04/20			2021/04/20		
COC Number		819873-09-01		819873-09-01	819873-09-01			819873-09-01		
	UNITS	41-I	RDL	41-II	41-III	RDL	QC Batch	62-I	RDL	QC Batch
<b>Metals</b>										
Dissolved Aluminum (Al)	ug/L	<25	25	<4.9	<4.9	4.9	7314803	<25	25	7314797
Dissolved Antimony (Sb)	ug/L	<2.5	2.5	<0.50	<0.50	0.50	7314803	<2.5	2.5	7314797
Dissolved Arsenic (As)	ug/L	<5.0	5.0	<1.0	<1.0	1.0	7314803	<5.0	5.0	7314797
Dissolved Barium (Ba)	ug/L	15	10	31	35	2.0	7314803	16	10	7314797
Dissolved Beryllium (Be)	ug/L	<2.0	2.0	<0.40	<0.40	0.40	7314803	<2.0	2.0	7314797
Dissolved Bismuth (Bi)	ug/L	<5.0	5.0	<1.0	<1.0	1.0	7314803	<5.0	5.0	7314797
Dissolved Boron (B)	ug/L	520	50	120	120	10	7314803	1400	50	7314797
Dissolved Cadmium (Cd)	ug/L	<0.45	0.45	<0.090	<0.090	0.090	7314803	<0.45	0.45	7314797
Dissolved Calcium (Ca)	ug/L	670000	1000	110000	130000	200	7314803	690000	1000	7314797
Dissolved Chromium (Cr)	ug/L	<25	25	<5.0	<5.0	5.0	7314803	<25	25	7314797
Dissolved Cobalt (Co)	ug/L	<2.5	2.5	<0.50	<0.50	0.50	7314803	<2.5	2.5	7314797
Dissolved Copper (Cu)	ug/L	<4.5	4.5	1.1	1.4	0.90	7314803	<4.5	4.5	7314797
Dissolved Iron (Fe)	ug/L	<500	500	<100	<100	100	7314803	<500	500	7314797
Dissolved Lead (Pb)	ug/L	<2.5	2.5	<0.50	<0.50	0.50	7314803	<2.5	2.5	7314797
Dissolved Lithium (Li)	ug/L	66	25	14	<5.0	5.0	7314803	350	25	7314797
Dissolved Magnesium (Mg)	ug/L	66000	250	58000	59000	50	7314803	100000	250	7314797
Dissolved Manganese (Mn)	ug/L	77	10	21	7.7	2.0	7314803	79	10	7314797
Dissolved Molybdenum (Mo)	ug/L	<2.5	2.5	0.56	<0.50	0.50	7314803	<2.5	2.5	7314797
Dissolved Nickel (Ni)	ug/L	<5.0	5.0	<1.0	<1.0	1.0	7314803	<5.0	5.0	7314797
Dissolved Phosphorus (P)	ug/L	<500	500	<100	<100	100	7314803	<500	500	7314797
Dissolved Potassium (K)	ug/L	20000	1000	1300	660	200	7314803	47000	1000	7314797
Dissolved Selenium (Se)	ug/L	<10	10	<2.0	<2.0	2.0	7314803	<10	10	7314797
Dissolved Silicon (Si)	ug/L	4100	250	7600	6300	50	7314803	3800	250	7314797
Dissolved Silver (Ag)	ug/L	<0.45	0.45	<0.090	<0.090	0.090	7314803	<0.45	0.45	7314797
Dissolved Sodium (Na)	ug/L	390000	500	29000	39000	100	7314803	830000	500	7314797
Dissolved Strontium (Sr)	ug/L	7500	5.0	870	770	1.0	7314803	11000	5.0	7314797
Dissolved Tellurium (Te)	ug/L	<5.0	5.0	<1.0	<1.0	1.0	7314803	<5.0	5.0	7314797
Dissolved Thallium (Tl)	ug/L	<0.25	0.25	<0.050	<0.050	0.050	7314803	<0.25	0.25	7314797
Dissolved Tin (Sn)	ug/L	<5.0	5.0	<1.0	<1.0	1.0	7314803	<5.0	5.0	7314797
Dissolved Titanium (Ti)	ug/L	<25	25	<5.0	<5.0	5.0	7314803	<25	25	7314797
Dissolved Tungsten (W)	ug/L	<5.0	5.0	<1.0	<1.0	1.0	7314803	<5.0	5.0	7314797
Dissolved Uranium (U)	ug/L	<0.50	0.50	1.5	2.4	0.10	7314803	<0.50	0.50	7314797
Dissolved Vanadium (V)	ug/L	<2.5	2.5	<0.50	<0.50	0.50	7314803	<2.5	2.5	7314797
Dissolved Zinc (Zn)	ug/L	<25	25	<5.0	<5.0	5.0	7314803	<25	25	7314797
Dissolved Zirconium (Zr)	ug/L	<5.0	5.0	<1.0	<1.0	1.0	7314803	<5.0	5.0	7314797
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										





BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

BV Labs ID		PJL777		PJL778	PJL779	PJL780	PJL781		
Sampling Date		2021/04/20		2021/04/20	2021/04/20	2021/04/20	2021/04/20		
COC Number		819873-09-01		819873-09-01	819873-09-01	819873-09-01	819873-09-01		
	UNITS	62-II	RDL	62-III	62-IV	4-III	31-II	RDL	QC Batch
<b>Metals</b>									
Dissolved Aluminum (Al)	ug/L	<25	25	<4.9	5.4	11	<4.9	4.9	7314803
Dissolved Antimony (Sb)	ug/L	<2.5	2.5	<0.50	<0.50	<0.50	<0.50	0.50	7314803
Dissolved Arsenic (As)	ug/L	<5.0	5.0	<1.0	<1.0	<1.0	<1.0	1.0	7314803
Dissolved Barium (Ba)	ug/L	16	10	32	110	31	37	2.0	7314803
Dissolved Beryllium (Be)	ug/L	<2.0	2.0	<0.40	<0.40	<0.40	<0.40	0.40	7314803
Dissolved Bismuth (Bi)	ug/L	<5.0	5.0	<1.0	<1.0	<1.0	<1.0	1.0	7314803
Dissolved Boron (B)	ug/L	1400	50	72	120	73	26	10	7314803
Dissolved Cadmium (Cd)	ug/L	<0.45	0.45	<0.090	<0.090	<0.090	<0.090	0.090	7314803
Dissolved Calcium (Ca)	ug/L	670000	1000	150000	180000	150000	45000	200	7314803
Dissolved Chromium (Cr)	ug/L	<25	25	<5.0	<5.0	<5.0	<5.0	5.0	7314803
Dissolved Cobalt (Co)	ug/L	<2.5	2.5	0.54	<0.50	0.56	<0.50	0.50	7314803
Dissolved Copper (Cu)	ug/L	<4.5	4.5	<0.90	1.1	<0.90	12	0.90	7314803
Dissolved Iron (Fe)	ug/L	<500	500	330	<100	340	<100	100	7314803
Dissolved Lead (Pb)	ug/L	<2.5	2.5	<0.50	<0.50	<0.50	<0.50	0.50	7314803
Dissolved Lithium (Li)	ug/L	240	25	18	21	18	15	5.0	7314803
Dissolved Magnesium (Mg)	ug/L	85000	250	56000	56000	56000	8300	50	7314803
Dissolved Manganese (Mn)	ug/L	59	10	85	66	86	<2.0	2.0	7314803
Dissolved Molybdenum (Mo)	ug/L	<2.5	2.5	0.71	1.5	0.77	4.2	0.50	7314803
Dissolved Nickel (Ni)	ug/L	<5.0	5.0	1.9	1.6	1.9	1.5	1.0	7314803
Dissolved Phosphorus (P)	ug/L	<500	500	<100	<100	<100	<100	100	7314803
Dissolved Potassium (K)	ug/L	54000	1000	3400	2700	3500	7700	200	7314803
Dissolved Selenium (Se)	ug/L	<10	10	<2.0	<2.0	<2.0	<2.0	2.0	7314803
Dissolved Silicon (Si)	ug/L	5100	250	5800	5200	6000	1900	50	7314803
Dissolved Silver (Ag)	ug/L	<0.45	0.45	<0.090	<0.090	<0.090	<0.090	0.090	7314803
Dissolved Sodium (Na)	ug/L	820000	500	100000	130000	110000	13000	100	7314803
Dissolved Strontium (Sr)	ug/L	8900	5.0	740	1200	740	330	1.0	7314803
Dissolved Tellurium (Te)	ug/L	<5.0	5.0	<1.0	<1.0	<1.0	<1.0	1.0	7314803
Dissolved Thallium (Tl)	ug/L	<0.25	0.25	<0.050	<0.050	<0.050	<0.050	0.050	7314803
Dissolved Tin (Sn)	ug/L	<5.0	5.0	<1.0	<1.0	<1.0	<1.0	1.0	7314803
Dissolved Titanium (Ti)	ug/L	<25	25	<5.0	<5.0	<5.0	<5.0	5.0	7314803
Dissolved Tungsten (W)	ug/L	<5.0	5.0	<1.0	<1.0	<1.0	<1.0	1.0	7314803
Dissolved Uranium (U)	ug/L	<0.50	0.50	2.1	2.7	2.2	0.23	0.10	7314803
Dissolved Vanadium (V)	ug/L	<2.5	2.5	<0.50	<0.50	<0.50	0.54	0.50	7314803
Dissolved Zinc (Zn)	ug/L	<25	25	39	<5.0	39	<5.0	5.0	7314803
Dissolved Zirconium (Zr)	ug/L	<5.0	5.0	<1.0	<1.0	<1.0	<1.0	1.0	7314803
RDL = Reportable Detection Limit									
QC Batch = Quality Control Batch									



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

BV Labs ID		PJL782		PJL783		PJL784		PJL785	PJL786		
Sampling Date		2021/04/20		2021/04/20		2021/04/20		2021/04/20	2021/04/20		
COC Number		819873-10-01		819873-10-01		819873-10-01		819873-10-01	819873-10-01		
	UNITS	67-I	RDL	67-II	RDL	67-III	RDL	2-III	36-IR	RDL	QC Batch

Metals											
Dissolved Aluminum (Al)	ug/L	<25	25	<4.9	4.9	<4.9	4.9	<25	<25	25	7314803
Dissolved Antimony (Sb)	ug/L	<2.5	2.5	<0.50	0.50	<0.50	0.50	<2.5	<2.5	2.5	7314803
Dissolved Arsenic (As)	ug/L	<5.0	5.0	6.0	1.0	1.1	1.0	<5.0	<5.0	5.0	7314803
Dissolved Barium (Ba)	ug/L	17	10	22	2.0	35	2.0	26	19	10	7314803
Dissolved Beryllium (Be)	ug/L	<2.0	2.0	<0.40	0.40	<0.40	0.40	<2.0	<2.0	2.0	7314803
Dissolved Bismuth (Bi)	ug/L	<5.0	5.0	<1.0	1.0	<1.0	1.0	<5.0	<5.0	5.0	7314803
Dissolved Boron (B)	ug/L	1000	50	1200	10	790	10	1300	2900	50	7314803
Dissolved Cadmium (Cd)	ug/L	<0.45	0.45	<0.090	0.090	<0.090	0.090	<0.45	<0.45	0.45	7314803
Dissolved Calcium (Ca)	ug/L	500000	1000	330000	400	130000	200	870000	710000	1000	7314803
Dissolved Chromium (Cr)	ug/L	<25	25	<5.0	5.0	<5.0	5.0	<25	<25	25	7314803
Dissolved Cobalt (Co)	ug/L	<2.5	2.5	2.2	0.50	<0.50	0.50	<2.5	<2.5	2.5	7314803
Dissolved Copper (Cu)	ug/L	<4.5	4.5	<0.90	0.90	1.1	0.90	<4.5	<4.5	4.5	7314803
Dissolved Iron (Fe)	ug/L	<500	500	4700	100	180	100	<500	<500	500	7314803
Dissolved Lead (Pb)	ug/L	<2.5	2.5	<0.50	0.50	<0.50	0.50	<2.5	<2.5	2.5	7314803
Dissolved Lithium (Li)	ug/L	130	25	74	5.0	55	5.0	400	570	25	7314803
Dissolved Magnesium (Mg)	ug/L	65000	250	79000	50	74000	50	120000	100000	250	7314803
Dissolved Manganese (Mn)	ug/L	47	10	120	2.0	19	2.0	79	59	10	7314803
Dissolved Molybdenum (Mo)	ug/L	<2.5	2.5	1.1	0.50	3.6	0.50	<2.5	<2.5	2.5	7314803
Dissolved Nickel (Ni)	ug/L	<5.0	5.0	6.1	1.0	1.7	1.0	<5.0	<5.0	5.0	7314803
Dissolved Phosphorus (P)	ug/L	560	500	<100	100	<100	100	540	<500	500	7314803
Dissolved Potassium (K)	ug/L	56000	1000	37000	200	14000	200	73000	34000	1000	7314803
Dissolved Selenium (Se)	ug/L	<10	10	<2.0	2.0	<2.0	2.0	<10	<10	10	7314803
Dissolved Silicon (Si)	ug/L	6600	250	7500	50	8000	50	4600	4500	250	7314803
Dissolved Silver (Ag)	ug/L	<0.45	0.45	<0.090	0.090	<0.090	0.090	<0.45	<0.45	0.45	7314803
Dissolved Sodium (Na)	ug/L	760000	500	390000	100	210000	100	1300000	650000	500	7314803
Dissolved Strontium (Sr)	ug/L	8800	5.0	5600	1.0	1400	1.0	11000	7600	5.0	7314803
Dissolved Tellurium (Te)	ug/L	<5.0	5.0	<1.0	1.0	<1.0	1.0	<5.0	<5.0	5.0	7314803
Dissolved Thallium (Tl)	ug/L	<0.25	0.25	<0.050	0.050	<0.050	0.050	<0.25	<0.25	0.25	7314803
Dissolved Tin (Sn)	ug/L	<5.0	5.0	<1.0	1.0	<1.0	1.0	<5.0	<5.0	5.0	7314803
Dissolved Titanium (Ti)	ug/L	<25	25	<5.0	5.0	<5.0	5.0	<25	<25	25	7314803
Dissolved Tungsten (W)	ug/L	<5.0	5.0	1.2	1.0	1.1	1.0	<5.0	<5.0	5.0	7314803
Dissolved Uranium (U)	ug/L	<0.50	0.50	<0.10	0.10	3.8	0.10	<0.50	0.60	0.50	7314803
Dissolved Vanadium (V)	ug/L	<2.5	2.5	<0.50	0.50	<0.50	0.50	<2.5	<2.5	2.5	7314803
Dissolved Zinc (Zn)	ug/L	<25	25	<5.0	5.0	<5.0	5.0	<25	<25	25	7314803
Dissolved Zirconium (Zr)	ug/L	<5.0	5.0	<1.0	1.0	<1.0	1.0	<5.0	<5.0	5.0	7314803

RDL = Reportable Detection Limit  
QC Batch = Quality Control Batch



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

BV Labs ID		PJL787		PJL788			PJL789		
Sampling Date		2021/04/20		2021/04/20			2021/04/20		
COC Number		819873-10-01		819873-10-01			819873-10-01		
	UNITS	36-IIR	RDL	36-IIIR	RDL	QC Batch	36-IVR	RDL	QC Batch
<b>Metals</b>									
Dissolved Aluminum (Al)	ug/L	44	25	27	25	7314803	<4.9	4.9	7314787
Dissolved Antimony (Sb)	ug/L	<2.5	2.5	<2.5	2.5	7314803	<0.50	0.50	7314787
Dissolved Arsenic (As)	ug/L	<5.0	5.0	<5.0	5.0	7314803	<1.0	1.0	7314787
Dissolved Barium (Ba)	ug/L	25	10	<10	10	7314803	13	2.0	7314787
Dissolved Beryllium (Be)	ug/L	<2.0	2.0	<2.0	2.0	7314803	<0.40	0.40	7314787
Dissolved Bismuth (Bi)	ug/L	<5.0	5.0	<5.0	5.0	7314803	<1.0	1.0	7314787
Dissolved Boron (B)	ug/L	5200	50	4400	50	7314803	35	10	7314787
Dissolved Cadmium (Cd)	ug/L	<0.45	0.45	<0.45	0.45	7314803	<0.090	0.090	7314787
Dissolved Calcium (Ca)	ug/L	1600000	2000	630000	1000	7314803	140000	200	7314787
Dissolved Chromium (Cr)	ug/L	<25	25	<25	25	7314803	<5.0	5.0	7314787
Dissolved Cobalt (Co)	ug/L	<2.5	2.5	<2.5	2.5	7314803	<0.50	0.50	7314787
Dissolved Copper (Cu)	ug/L	<4.5	4.5	<4.5	4.5	7314803	1.1	0.90	7314787
Dissolved Iron (Fe)	ug/L	<500	500	<500	500	7314803	<100	100	7314787
Dissolved Lead (Pb)	ug/L	<2.5	2.5	<2.5	2.5	7314803	<0.50	0.50	7314787
Dissolved Lithium (Li)	ug/L	2500	25	970	25	7314803	43	5.0	7314787
Dissolved Magnesium (Mg)	ug/L	390000	250	120000	250	7314803	89000	50	7314787
Dissolved Manganese (Mn)	ug/L	100	10	64	10	7314803	3.0	2.0	7314787
Dissolved Molybdenum (Mo)	ug/L	<2.5	2.5	<2.5	2.5	7314803	12	0.50	7314787
Dissolved Nickel (Ni)	ug/L	<5.0	5.0	<5.0	5.0	7314803	24	1.0	7314787
Dissolved Phosphorus (P)	ug/L	550	500	<500	500	7314803	<100	100	7314787
Dissolved Potassium (K)	ug/L	59000	1000	31000	1000	7314803	2400	200	7314787
Dissolved Selenium (Se)	ug/L	<10	10	<10	10	7314803	<2.0	2.0	7314787
Dissolved Silicon (Si)	ug/L	4800	250	3400	250	7314803	5300	50	7314787
Dissolved Silver (Ag)	ug/L	<0.45	0.45	<0.45	0.45	7314803	<0.090	0.090	7314787
Dissolved Sodium (Na)	ug/L	2500000	500	630000	500	7314803	38000	100	7314787
Dissolved Strontium (Sr)	ug/L	29000	5.0	7200	5.0	7314803	1300	1.0	7314787
Dissolved Tellurium (Te)	ug/L	<5.0	5.0	<5.0	5.0	7314803	<1.0	1.0	7314787
Dissolved Thallium (Tl)	ug/L	<0.25	0.25	<0.25	0.25	7314803	0.096	0.050	7314787
Dissolved Tin (Sn)	ug/L	<5.0	5.0	<5.0	5.0	7314803	<1.0	1.0	7314787
Dissolved Titanium (Ti)	ug/L	<25	25	<25	25	7314803	<5.0	5.0	7314787
Dissolved Tungsten (W)	ug/L	11	5.0	<5.0	5.0	7314803	14	1.0	7314787
Dissolved Uranium (U)	ug/L	<0.50	0.50	9.0	0.50	7314803	24	0.10	7314787
Dissolved Vanadium (V)	ug/L	<2.5	2.5	<2.5	2.5	7314803	<0.50	0.50	7314787
Dissolved Zinc (Zn)	ug/L	<25	25	<25	25	7314803	130	5.0	7314787
Dissolved Zirconium (Zr)	ug/L	<5.0	5.0	<5.0	5.0	7314803	<1.0	1.0	7314787
RDL = Reportable Detection Limit									
QC Batch = Quality Control Batch									



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

BV Labs ID		PJL790			PJL791		PJL792		
Sampling Date		2021/04/20			2021/04/20		2021/04/20		
COC Number		819873-10-01			819873-10-01		819873-11-01		
	UNITS	36-VR	RDL	QC Batch	P4-I	RDL	P4-II	RDL	QC Batch
<b>Metals</b>									
Dissolved Aluminum (Al)	ug/L	290	25	7314803	<4.9	4.9	7.6	4.9	7314787
Dissolved Antimony (Sb)	ug/L	<2.5	2.5	7314803	<0.50	0.50	<0.50	0.50	7314787
Dissolved Arsenic (As)	ug/L	<5.0	5.0	7314803	2.6	1.0	2.9	1.0	7314787
Dissolved Barium (Ba)	ug/L	26	10	7314803	25	2.0	11	2.0	7314787
Dissolved Beryllium (Be)	ug/L	<2.0	2.0	7314803	<0.40	0.40	<0.40	0.40	7314787
Dissolved Bismuth (Bi)	ug/L	<5.0	5.0	7314803	<1.0	1.0	<1.0	1.0	7314787
Dissolved Boron (B)	ug/L	460	50	7314803	1200	10	1300	10	7314787
Dissolved Cadmium (Cd)	ug/L	<0.45	0.45	7314803	<0.090	0.090	<0.090	0.090	7314787
Dissolved Calcium (Ca)	ug/L	230000	1000	7314803	800000	1000	59000	200	7314787
Dissolved Chromium (Cr)	ug/L	<25	25	7314803	<5.0	5.0	<5.0	5.0	7314787
Dissolved Cobalt (Co)	ug/L	<2.5	2.5	7314803	<0.50	0.50	<0.50	0.50	7314787
Dissolved Copper (Cu)	ug/L	<4.5	4.5	7314803	<0.90	0.90	<0.90	0.90	7314787
Dissolved Iron (Fe)	ug/L	<500	500	7314803	<100	100	<100	100	7314787
Dissolved Lead (Pb)	ug/L	<2.5	2.5	7314803	<0.50	0.50	<0.50	0.50	7314787
Dissolved Lithium (Li)	ug/L	43	25	7314803	420	5.0	120	5.0	7314787
Dissolved Magnesium (Mg)	ug/L	44000	250	7314803	120000	50	11000	50	7314787
Dissolved Manganese (Mn)	ug/L	11	10	7314803	75	2.0	10	2.0	7314787
Dissolved Molybdenum (Mo)	ug/L	9.3	2.5	7314803	<0.50	0.50	65	0.50	7314787
Dissolved Nickel (Ni)	ug/L	5.9	5.0	7314803	<1.0	1.0	20	1.0	7314787
Dissolved Phosphorus (P)	ug/L	<500	500	7314803	<100	100	180	100	7314787
Dissolved Potassium (K)	ug/L	40000	1000	7314803	79000	200	140000	200	7314787
Dissolved Selenium (Se)	ug/L	<10	10	7314803	<2.0	2.0	<2.0	2.0	7314787
Dissolved Silicon (Si)	ug/L	4700	250	7314803	4400	50	8300	50	7314787
Dissolved Silver (Ag)	ug/L	<0.45	0.45	7314803	<0.090	0.090	<0.090	0.090	7314787
Dissolved Sodium (Na)	ug/L	1000000	500	7314803	1300000	500	2600000	500	7314787
Dissolved Strontium (Sr)	ug/L	2700	5.0	7314803	11000	1.0	1400	1.0	7314787
Dissolved Tellurium (Te)	ug/L	<5.0	5.0	7314803	<1.0	1.0	<1.0	1.0	7314787
Dissolved Thallium (Tl)	ug/L	<0.25	0.25	7314803	<0.050	0.050	<0.050	0.050	7314787
Dissolved Tin (Sn)	ug/L	<5.0	5.0	7314803	<1.0	1.0	12	1.0	7314787
Dissolved Titanium (Ti)	ug/L	<25	25	7314803	<5.0	5.0	<5.0	5.0	7314787
Dissolved Tungsten (W)	ug/L	6.3	5.0	7314803	<1.0	1.0	15	1.0	7314787
Dissolved Uranium (U)	ug/L	7.3	0.50	7314803	<0.10	0.10	<0.10	0.10	7314787
Dissolved Vanadium (V)	ug/L	<2.5	2.5	7314803	<0.50	0.50	2.3	0.50	7314787
Dissolved Zinc (Zn)	ug/L	<25	25	7314803	<5.0	5.0	<5.0	5.0	7314787
Dissolved Zirconium (Zr)	ug/L	<5.0	5.0	7314803	<1.0	1.0	<1.0	1.0	7314787
RDL = Reportable Detection Limit									
QC Batch = Quality Control Batch									



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

BV Labs ID		PJL793		PJL794	PJL794		
Sampling Date		2021/04/20		2021/04/20	2021/04/20		
COC Number		819873-11-01		819873-11-01	819873-11-01		
	UNITS	P4-III	RDL	68-IV	68-IV Lab-Dup	RDL	QC Batch
<b>Metals</b>							
Dissolved Aluminum (Al)	ug/L	<25	25	<4.9	<4.9	4.9	7314803
Dissolved Antimony (Sb)	ug/L	<2.5	2.5	<0.50	<0.50	0.50	7314803
Dissolved Arsenic (As)	ug/L	<5.0	5.0	<1.0	<1.0	1.0	7314803
Dissolved Barium (Ba)	ug/L	37	10	52	54	2.0	7314803
Dissolved Beryllium (Be)	ug/L	<2.0	2.0	<0.40	<0.40	0.40	7314803
Dissolved Bismuth (Bi)	ug/L	<5.0	5.0	<1.0	<1.0	1.0	7314803
Dissolved Boron (B)	ug/L	350	50	200	200	10	7314803
Dissolved Cadmium (Cd)	ug/L	<0.45	0.45	<0.090	<0.090	0.090	7314803
Dissolved Calcium (Ca)	ug/L	720000	1000	67000	68000	200	7314803
Dissolved Chromium (Cr)	ug/L	<25	25	<5.0	<5.0	5.0	7314803
Dissolved Cobalt (Co)	ug/L	<2.5	2.5	<0.50	<0.50	0.50	7314803
Dissolved Copper (Cu)	ug/L	<4.5	4.5	<0.90	<0.90	0.90	7314803
Dissolved Iron (Fe)	ug/L	<500	500	<100	<100	100	7314803
Dissolved Lead (Pb)	ug/L	<2.5	2.5	<0.50	<0.50	0.50	7314803
Dissolved Lithium (Li)	ug/L	52	25	12	12	5.0	7314803
Dissolved Magnesium (Mg)	ug/L	73000	250	29000	30000	50	7314803
Dissolved Manganese (Mn)	ug/L	77	10	<2.0	<2.0	2.0	7314803
Dissolved Molybdenum (Mo)	ug/L	<2.5	2.5	0.83	0.86	0.50	7314803
Dissolved Nickel (Ni)	ug/L	<5.0	5.0	<1.0	<1.0	1.0	7314803
Dissolved Phosphorus (P)	ug/L	<500	500	<100	<100	100	7314803
Dissolved Potassium (K)	ug/L	42000	1000	5300	5300	200	7314803
Dissolved Selenium (Se)	ug/L	<10	10	<2.0	<2.0	2.0	7314803
Dissolved Silicon (Si)	ug/L	4300	250	2300	2300	50	7314803
Dissolved Silver (Ag)	ug/L	<0.45	0.45	<0.090	<0.090	0.090	7314803
Dissolved Sodium (Na)	ug/L	1200000	500	50000	47000	100	7314803
Dissolved Strontium (Sr)	ug/L	7800	5.0	3600	3600	1.0	7314803
Dissolved Tellurium (Te)	ug/L	<5.0	5.0	<1.0	<1.0	1.0	7314803
Dissolved Thallium (Tl)	ug/L	<0.25	0.25	<0.050	<0.050	0.050	7314803
Dissolved Tin (Sn)	ug/L	<5.0	5.0	<1.0	<1.0	1.0	7314803
Dissolved Titanium (Ti)	ug/L	<25	25	<5.0	<5.0	5.0	7314803
Dissolved Tungsten (W)	ug/L	<5.0	5.0	<1.0	<1.0	1.0	7314803
Dissolved Uranium (U)	ug/L	<0.50	0.50	0.34	0.31	0.10	7314803
Dissolved Vanadium (V)	ug/L	<2.5	2.5	<0.50	<0.50	0.50	7314803
Dissolved Zinc (Zn)	ug/L	120	25	<5.0	<5.0	5.0	7314803
Dissolved Zirconium (Zr)	ug/L	<5.0	5.0	<1.0	<1.0	1.0	7314803
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate							



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### SEMI-VOLATILE ORGANICS BY GC-MS (WATER)

BV Labs ID		PJL768		PJL770	PJL771	PJL772	PJL773		
Sampling Date		2021/04/20		2021/04/20	2021/04/20	2021/04/20	2021/04/20		
COC Number		819873-08-01		819873-08-01	819873-08-01	819873-09-01	819873-09-01		
	UNITS	57-II	RDL	75-I	75-II	75-III	41-I	RDL	QC Batch
<b>Semivolatiles Organics</b>									
Acenaphthene	ug/L	<0.80	0.80	<0.20	<0.20	<0.20	<0.20	0.20	7320061
Acenaphthylene	ug/L	<0.80	0.80	<0.20	<0.20	<0.20	<0.20	0.20	7320061
Anthracene	ug/L	1.7	0.80	<0.20	<0.20	<0.20	<0.20	0.20	7320061
Benzo(a)anthracene	ug/L	1.0	0.80	<0.20	<0.20	<0.20	<0.20	0.20	7320061
Benzo(a)pyrene	ug/L	<0.80	0.80	<0.20	<0.20	<0.20	<0.20	0.20	7320061
Benzo(b/j)fluoranthene	ug/L	<0.80	0.80	<0.20	<0.20	<0.20	<0.20	0.20	7320061
Benzo(g,h,i)perylene	ug/L	<0.80	0.80	<0.20	<0.20	<0.20	<0.20	0.20	7320061
Benzo(k)fluoranthene	ug/L	<0.80	0.80	<0.20	<0.20	<0.20	<0.20	0.20	7320061
1-Chloronaphthalene	ug/L	<4.0	4.0	<1.0	<1.0	<1.0	<1.0	1.0	7320061
2-Chloronaphthalene	ug/L	<2.0	2.0	<0.50	<0.50	<0.50	<0.50	0.50	7320061
Chrysene	ug/L	1.0	0.80	<0.20	<0.20	<0.20	<0.20	0.20	7320061
Dibenzo(a,h)anthracene	ug/L	<0.80	0.80	<0.20	<0.20	<0.20	<0.20	0.20	7320061
Fluoranthene	ug/L	2.7	0.80	<0.20	<0.20	<0.20	<0.20	0.20	7320061
Fluorene	ug/L	<0.80	0.80	<0.20	<0.20	<0.20	<0.20	0.20	7320061
Indeno(1,2,3-cd)pyrene	ug/L	<0.80	0.80	<0.20	<0.20	<0.20	<0.20	0.20	7320061
1-Methylnaphthalene	ug/L	<0.80	0.80	<0.20	<0.20	<0.20	<0.20	0.20	7320061
2-Methylnaphthalene	ug/L	<0.80	0.80	<0.20	<0.20	<0.20	<0.20	0.20	7320061
Naphthalene	ug/L	<0.80	0.80	<0.20	<0.20	<0.20	<0.20	0.20	7320061
5-Nitroacenaphthene	ug/L	<4.0	4.0	<1.0	<1.0	<1.0	<1.0	1.0	7320061
Perylene	ug/L	<0.80	0.80	<0.20	<0.20	<0.20	<0.20	0.20	7320061
Phenanthrene	ug/L	4.9	0.80	<0.20	<0.20	<0.20	<0.20	0.20	7320061
Pyrene	ug/L	3.4	0.80	<0.20	<0.20	<0.20	<0.20	0.20	7320061
1,2-Dichlorobenzene	ug/L	<2.0	2.0	<0.50	<0.50	<0.50	<0.50	0.50	7320061
1,3-Dichlorobenzene	ug/L	<2.0	2.0	<0.50	<0.50	<0.50	<0.50	0.50	7320061
1,4-Dichlorobenzene	ug/L	<2.0	2.0	<0.50	<0.50	<0.50	<0.50	0.50	7320061
Hexachlorobenzene	ug/L	<2.0	2.0	<0.50	<0.50	<0.50	<0.50	0.50	7320061
Pentachlorobenzene	ug/L	<2.0	2.0	<0.50	<0.50	<0.50	<0.50	0.50	7320061
1,2,3,5-Tetrachlorobenzene	ug/L	<2.0	2.0	<0.50	<0.50	<0.50	<0.50	0.50	7320061
1,2,4,5-Tetrachlorobenzene	ug/L	<2.0	2.0	<0.50	<0.50	<0.50	<0.50	0.50	7320061
1,2,3-Trichlorobenzene	ug/L	<2.0	2.0	<0.50	<0.50	<0.50	<0.50	0.50	7320061
1,2,4-Trichlorobenzene	ug/L	<2.0	2.0	<0.50	<0.50	<0.50	<0.50	0.50	7320061
1,3,5-Trichlorobenzene	ug/L	<2.0	2.0	<0.50	<0.50	<0.50	<0.50	0.50	7320061
2-Chlorophenol	ug/L	<1.2	1.2	<0.30	<0.30	<0.30	<0.30	0.30	7320061
4-Chloro-3-Methylphenol	ug/L	<2.0	2.0	<0.50	<0.50	<0.50	<0.50	0.50	7320061
m/p-Cresol	ug/L	<2.0	2.0	<0.50	<0.50	<0.50	<0.50	0.50	7320061
o-Cresol	ug/L	<2.0	2.0	<0.50	<0.50	<0.50	<0.50	0.50	7320061
RDL = Reportable Detection Limit QC Batch = Quality Control Batch									



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### SEMI-VOLATILE ORGANICS BY GC-MS (WATER)

BV Labs ID		PJL768		PJL770	PJL771	PJL772	PJL773		
Sampling Date		2021/04/20		2021/04/20	2021/04/20	2021/04/20	2021/04/20		
COC Number		819873-08-01		819873-08-01	819873-08-01	819873-09-01	819873-09-01		
	UNITS	57-II	RDL	75-I	75-II	75-III	41-I	RDL	QC Batch
1,2,3,4-Tetrachlorobenzene	ug/L	<2.0	2.0	<0.50	<0.50	<0.50	<0.50	0.50	7320061
2,3-Dichlorophenol	ug/L	<2.0	2.0	<0.50	<0.50	<0.50	<0.50	0.50	7320061
2,4-Dichlorophenol	ug/L	<1.2	1.2	<0.30	<0.30	<0.30	<0.30	0.30	7320061
2,5-Dichlorophenol	ug/L	<2.0	2.0	<0.50	<0.50	<0.50	<0.50	0.50	7320061
2,6-Dichlorophenol	ug/L	<2.0	2.0	<0.50	<0.50	<0.50	<0.50	0.50	7320061
3,4-Dichlorophenol	ug/L	<2.0	2.0	<0.50	<0.50	<0.50	<0.50	0.50	7320061
3,5-Dichlorophenol	ug/L	<2.0	2.0	<0.50	<0.50	<0.50	<0.50	0.50	7320061
2,4-Dimethylphenol	ug/L	<2.0	2.0	<0.50	<0.50	<0.50	<0.50	0.50	7320061
2,4-Dinitrophenol	ug/L	<8.0	8.0	<2.0	<2.0	<2.0	<2.0	2.0	7320061
4,6-Dinitro-2-methylphenol	ug/L	<8.0	8.0	<2.0	<2.0	<2.0	<2.0	2.0	7320061
2-Nitrophenol	ug/L	<2.0	2.0	<0.50	<0.50	<0.50	<0.50	0.50	7320061
4-Nitrophenol	ug/L	<5.6	5.6	<1.4	<1.4	<1.4	<1.4	1.4	7320061
Pentachlorophenol	ug/L	<4.0	4.0	<1.0	<1.0	<1.0	<1.0	1.0	7320061
Phenol	ug/L	<2.0	2.0	<0.50	<0.50	<0.50	<0.50	0.50	7320061
2,3,4,5-Tetrachlorophenol	ug/L	<1.6	1.6	<0.40	<0.40	<0.40	<0.40	0.40	7320061
2,3,4,6-Tetrachlorophenol	ug/L	<2.0	2.0	<0.50	<0.50	<0.50	<0.50	0.50	7320061
2,3,5,6-Tetrachlorophenol	ug/L	<2.0	2.0	<0.50	<0.50	<0.50	<0.50	0.50	7320061
2,3,4-Trichlorophenol	ug/L	<2.0	2.0	<0.50	<0.50	<0.50	<0.50	0.50	7320061
2,3,5-Trichlorophenol	ug/L	<2.0	2.0	<0.50	<0.50	<0.50	<0.50	0.50	7320061
2,3,6-Trichlorophenol	ug/L	<2.0	2.0	<0.50	<0.50	<0.50	<0.50	0.50	7320061
2,4,5-Trichlorophenol	ug/L	<2.0	2.0	<0.50	<0.50	<0.50	<0.50	0.50	7320061
2,4,6-Trichlorophenol	ug/L	<2.0	2.0	<0.50	<0.50	<0.50	<0.50	0.50	7320061
3,4,5-Trichlorophenol	ug/L	<2.0	2.0	<0.50	<0.50	<0.50	<0.50	0.50	7320061
Benzyl butyl phthalate	ug/L	<2.0	2.0	<0.50	<0.50	<0.50	<0.50	0.50	7320061
Biphenyl	ug/L	<2.0	2.0	<0.50	<0.50	<0.50	<0.50	0.50	7320061
Bis(2-chloroethyl)ether	ug/L	<2.0	2.0	<0.50	<0.50	<0.50	<0.50	0.50	7320061
Bis(2-chloroethoxy)methane	ug/L	<2.0	2.0	<0.50	<0.50	<0.50	<0.50	0.50	7320061
Bis(2-chloroisopropyl)ether	ug/L	<2.0	2.0	<0.50	<0.50	<0.50	<0.50	0.50	7320061
Bis(2-ethylhexyl)phthalate	ug/L	<8.0	8.0	<2.0	<2.0	<2.0	<2.0	2.0	7320061
4-Bromophenyl phenyl ether	ug/L	<1.2	1.2	<0.30	<0.30	<0.30	<0.30	0.30	7320061
p-Chloroaniline	ug/L	<4.0	4.0	<1.0	<1.0	<1.0	<1.0	1.0	7320061
4-Chlorophenyl phenyl ether	ug/L	<2.0	2.0	<0.50	<0.50	<0.50	<0.50	0.50	7320061
Di-N-butyl phthalate	ug/L	<8.0	8.0	<2.0	<2.0	<2.0	<2.0	2.0	7320061
di-n-octyl phthalate	ug/L	<3.2	3.2	<0.80	<0.80	<0.80	<0.80	0.80	7320061
2,4-Dinitrotoluene	ug/L	<2.0	2.0	<0.50	<0.50	<0.50	<0.50	0.50	7320061
Diethyl phthalate	ug/L	<4.0	4.0	<1.0	<1.0	<1.0	<1.0	1.0	7320061
3,3'-Dichlorobenzidine	ug/L	<2.0	2.0	<0.50	<0.50	<0.50	<0.50	0.50	7320061

RDL = Reportable Detection Limit  
QC Batch = Quality Control Batch





**SEMI-VOLATILE ORGANICS BY GC-MS (WATER)**

BV Labs ID		PJL768		PJL770	PJL771	PJL772	PJL773		
Sampling Date		2021/04/20		2021/04/20	2021/04/20	2021/04/20	2021/04/20		
COC Number		819873-08-01		819873-08-01	819873-08-01	819873-09-01	819873-09-01		
	UNITS	57-II	RDL	75-I	75-II	75-III	41-I	RDL	QC Batch
Dimethyl phthalate	ug/L	<4.0	4.0	<1.0	<1.0	<1.0	<1.0	1.0	7320061
2,6-Dinitrotoluene	ug/L	<2.0	2.0	<0.50	<0.50	<0.50	<0.50	0.50	7320061
Diphenyl Ether	ug/L	<1.2	1.2	<0.30	<0.30	<0.30	<0.30	0.30	7320061
Hexachlorobutadiene	ug/L	<1.6	1.6	<0.40	<0.40	<0.40	<0.40	0.40	7320061
Hexachlorocyclopentadiene	ug/L	<8.0	8.0	<2.0	<2.0	<2.0	<2.0	2.0	7320061
Hexachloroethane	ug/L	<2.0	2.0	<0.50	<0.50	<0.50	<0.50	0.50	7320061
Isophorone	ug/L	<2.0	2.0	<0.50	<0.50	<0.50	<0.50	0.50	7320061
Nitrobenzene	ug/L	<2.0	2.0	<0.50	<0.50	<0.50	<0.50	0.50	7320061
Nitrosodiphenylamine/Diphenylamine	ug/L	<4.0	4.0	<1.0	<1.0	<1.0	<1.0	1.0	7320061
N-Nitroso-di-n-propylamine	ug/L	<2.0	2.0	<0.50	<0.50	<0.50	<0.50	0.50	7320061
<b>Surrogate Recovery (%)</b>									
2,4,6-Tribromophenol	%	29		87	85	66	88		7320061
2-Fluorobiphenyl	%	91		67	66	81	75		7320061
2-Fluorophenol	%	10		47	40	38	45		7320061
D14-Terphenyl	%	114		97	93	95	94		7320061
D5-Nitrobenzene	%	100		80	70	97	87		7320061
D5-Phenol	%	16		31	28	30	31		7320061
RDL = Reportable Detection Limit									
QC Batch = Quality Control Batch									





BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

**SEMI-VOLATILE ORGANICS BY GC-MS (WATER)**

BV Labs ID		PJL774	PJL782	PJL783	PJL784	PJL794		
Sampling Date		2021/04/20	2021/04/20	2021/04/20	2021/04/20	2021/04/20		
COC Number		819873-09-01	819873-10-01	819873-10-01	819873-10-01	819873-11-01		
	UNITS	41-II	67-I	67-II	67-III	68-IV	RDL	QC Batch

Semivolatile Organics								
Acenaphthene	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7320061
Acenaphthylene	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7320061
Anthracene	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7320061
Benzo(a)anthracene	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7320061
Benzo(a)pyrene	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7320061
Benzo(b,j)fluoranthene	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7320061
Benzo(g,h,i)perylene	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7320061
Benzo(k)fluoranthene	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7320061
1-Chloronaphthalene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	7320061
2-Chloronaphthalene	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7320061
Chrysene	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7320061
Dibenzo(a,h)anthracene	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7320061
Fluoranthene	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7320061
Fluorene	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7320061
Indeno(1,2,3-cd)pyrene	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7320061
1-Methylnaphthalene	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7320061
2-Methylnaphthalene	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7320061
Naphthalene	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7320061
5-Nitroacenaphthene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	7320061
Perylene	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7320061
Phenanthrene	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7320061
Pyrene	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7320061
1,2-Dichlorobenzene	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7320061
1,3-Dichlorobenzene	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7320061
1,4-Dichlorobenzene	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7320061
Hexachlorobenzene	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7320061
Pentachlorobenzene	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7320061
1,2,3,5-Tetrachlorobenzene	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7320061
1,2,4,5-Tetrachlorobenzene	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7320061
1,2,3-Trichlorobenzene	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7320061
1,2,4-Trichlorobenzene	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7320061
1,3,5-Trichlorobenzene	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7320061
2-Chlorophenol	ug/L	<0.30	<0.30	<0.30	<0.30	<0.30	0.30	7320061
4-Chloro-3-Methylphenol	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7320061
m/p-Cresol	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7320061
o-Cresol	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7320061

RDL = Reportable Detection Limit  
QC Batch = Quality Control Batch



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

**SEMI-VOLATILE ORGANICS BY GC-MS (WATER)**

BV Labs ID		PJL774	PJL782	PJL783	PJL784	PJL794		
Sampling Date		2021/04/20	2021/04/20	2021/04/20	2021/04/20	2021/04/20		
COC Number		819873-09-01	819873-10-01	819873-10-01	819873-10-01	819873-11-01		
	UNITS	41-II	67-I	67-II	67-III	68-IV	RDL	QC Batch
1,2,3,4-Tetrachlorobenzene	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7320061
2,3-Dichlorophenol	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7320061
2,4-Dichlorophenol	ug/L	<0.30	<0.30	<0.30	<0.30	<0.30	0.30	7320061
2,5-Dichlorophenol	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7320061
2,6-Dichlorophenol	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7320061
3,4-Dichlorophenol	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7320061
3,5-Dichlorophenol	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7320061
2,4-Dimethylphenol	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7320061
2,4-Dinitrophenol	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7320061
4,6-Dinitro-2-methylphenol	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7320061
2-Nitrophenol	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7320061
4-Nitrophenol	ug/L	<1.4	<1.4	<1.4	<1.4	<1.4	1.4	7320061
Pentachlorophenol	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	7320061
Phenol	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7320061
2,3,4,5-Tetrachlorophenol	ug/L	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	7320061
2,3,4,6-Tetrachlorophenol	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7320061
2,3,5,6-Tetrachlorophenol	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7320061
2,3,4-Trichlorophenol	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7320061
2,3,5-Trichlorophenol	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7320061
2,3,6-Trichlorophenol	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7320061
2,4,5-Trichlorophenol	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7320061
2,4,6-Trichlorophenol	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7320061
3,4,5-Trichlorophenol	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7320061
Benzyl butyl phthalate	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7320061
Biphenyl	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7320061
Bis(2-chloroethyl)ether	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7320061
Bis(2-chloroethoxy)methane	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7320061
Bis(2-chloroisopropyl)ether	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7320061
Bis(2-ethylhexyl)phthalate	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7320061
4-Bromophenyl phenyl ether	ug/L	<0.30	<0.30	<0.30	<0.30	<0.30	0.30	7320061
p-Chloroaniline	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	7320061
4-Chlorophenyl phenyl ether	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7320061
Di-N-butyl phthalate	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7320061
di-n-octyl phthalate	ug/L	<0.80	<0.80	<0.80	<0.80	<0.80	0.80	7320061
2,4-Dinitrotoluene	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7320061
Diethyl phthalate	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	7320061
3,3'-Dichlorobenzidine	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7320061

RDL = Reportable Detection Limit  
QC Batch = Quality Control Batch



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

**SEMI-VOLATILE ORGANICS BY GC-MS (WATER)**

BV Labs ID		PJL774	PJL782	PJL783	PJL784	PJL794		
Sampling Date		2021/04/20	2021/04/20	2021/04/20	2021/04/20	2021/04/20		
COC Number		819873-09-01	819873-10-01	819873-10-01	819873-10-01	819873-11-01		
	UNITS	41-II	67-I	67-II	67-III	68-IV	RDL	QC Batch
Dimethyl phthalate	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	7320061
2,6-Dinitrotoluene	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7320061
Diphenyl Ether	ug/L	<0.30	<0.30	<0.30	<0.30	<0.30	0.30	7320061
Hexachlorobutadiene	ug/L	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	7320061
Hexachlorocyclopentadiene	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7320061
Hexachloroethane	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7320061
Isophorone	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7320061
Nitrobenzene	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7320061
Nitrosodiphenylamine/Diphenylamine	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	7320061
N-Nitroso-di-n-propylamine	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7320061
<b>Surrogate Recovery (%)</b>								
2,4,6-Tribromophenol	%	80	90	87	80	89		7320061
2-Fluorobiphenyl	%	76	67	79	73	80		7320061
2-Fluorophenol	%	48	39	46	41	44		7320061
D14-Terphenyl	%	95	91	97	95	96		7320061
D5-Nitrobenzene	%	95	71	90	86	90		7320061
D5-Phenol	%	33	28	32	29	31		7320061
RDL = Reportable Detection Limit QC Batch = Quality Control Batch								



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

**VOLATILE ORGANICS BY GC/MS (WATER)**

BV Labs ID		PJL768	PJL770	PJL770	PJL771	PJL772		
Sampling Date		2021/04/20	2021/04/20	2021/04/20	2021/04/20	2021/04/20		
COC Number		819873-08-01	819873-08-01	819873-08-01	819873-08-01	819873-09-01		
	UNITS	57-II	75-I	75-I Lab-Dup	75-II	75-III	RDL	QC Batch
<b>Volatile Organics</b>								
Acetone (2-Propanone)	ug/L	18	<10	<10	<10	<10	10	7310650
Benzene	ug/L	0.84	<0.10	<0.10	<0.10	<0.10	0.10	7310650
Bromodichloromethane	ug/L	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	7310650
Acrolein	ug/L	<10	<10	<10	<10	<10	10	7313093
Bromoform	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7310650
Bromomethane	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7310650
Carbon Tetrachloride	ug/L	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	7310650
Chlorobenzene	ug/L	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	7310650
Chloroethane	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7310650
Chloroform	ug/L	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	7310650
Acrylonitrile	ug/L	<5.0	<5.0	<5.0	<5.0	<5.0	5.0	7313093
Chloromethane	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7310650
Dibromochloromethane	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7310650
1,2-Dichlorobenzene	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7310650
1,3-Dichlorobenzene	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7310650
1,4-Dichlorobenzene	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7310650
1,1-Dichloroethane	ug/L	0.45	<0.10	<0.10	<0.10	<0.10	0.10	7310650
1,2-Dichloroethane	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7310650
1,1-Dichloroethylene	ug/L	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	7310650
cis-1,2-Dichloroethylene	ug/L	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	7310650
trans-1,2-Dichloroethylene	ug/L	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	7310650
1,2-Dichloropropane	ug/L	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	7310650
cis-1,3-Dichloropropene	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7310650
trans-1,3-Dichloropropene	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7310650
Ethylbenzene	ug/L	0.21	<0.10	<0.10	<0.10	<0.10	0.10	7310650
Ethylene Dibromide	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7310650
Methylene Chloride(Dichloromethane)	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7310650
Methyl Ethyl Ketone (2-Butanone)	ug/L	<5.0	<5.0	<5.0	<5.0	<5.0	5.0	7310650
Methyl Isobutyl Ketone	ug/L	<5.0	<5.0	<5.0	<5.0	<5.0	5.0	7310650
Methyl t-butyl ether (MTBE)	ug/L	<0.20	<0.20	<0.20	0.21	<0.20	0.20	7310650
Styrene	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7310650
1,1,1,2-Tetrachloroethane	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7310650
1,1,2,2-Tetrachloroethane	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7310650
Tetrachloroethylene	ug/L	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	7310650
Toluene	ug/L	1.3	<0.20	<0.20	<0.20	<0.20	0.20	7310650
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate								



**VOLATILE ORGANICS BY GC/MS (WATER)**

BV Labs ID		PJL768	PJL770	PJL770	PJL771	PJL772		
Sampling Date		2021/04/20	2021/04/20	2021/04/20	2021/04/20	2021/04/20		
COC Number		819873-08-01	819873-08-01	819873-08-01	819873-08-01	819873-09-01		
	UNITS	57-II	75-I	75-I Lab-Dup	75-II	75-III	RDL	QC Batch
1,1,1-Trichloroethane	ug/L	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	7310650
1,1,2-Trichloroethane	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7310650
Trichloroethylene	ug/L	0.20	<0.10	<0.10	<0.10	<0.10	0.10	7310650
Trichlorofluoromethane (FREON 11)	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7310650
Vinyl Chloride	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7310650
p+m-Xylene	ug/L	0.50	<0.10	<0.10	<0.10	<0.10	0.10	7310650
Methyl Butyl Ketone (2-Hexanone)	ug/L	<5.0	<5.0	<5.0	<5.0	<5.0	5.0	7313093
o-Xylene	ug/L	1.5	<0.10	<0.10	<0.10	<0.10	0.10	7310650
Total Xylenes	ug/L	2.0	<0.10	<0.10	<0.10	<0.10	0.10	7310650
Total Trihalomethanes	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7310650
<b>Surrogate Recovery (%)</b>								
4-Bromofluorobenzene	%	107	109	113	110	113		7310650
D4-1,2-Dichloroethane	%	85	86	86	83	87		7310650
D8-Toluene	%	97	97	98	97	97		7310650
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate								



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

**VOLATILE ORGANICS BY GC/MS (WATER)**

BV Labs ID		PJL773	PJL774	PJL782	PJL783	PJL784		
Sampling Date		2021/04/20	2021/04/20	2021/04/20	2021/04/20	2021/04/20		
COC Number		819873-09-01	819873-09-01	819873-10-01	819873-10-01	819873-10-01		
	UNITS	41-I	41-II	67-I	67-II	67-III	RDL	QC Batch
<b>Volatile Organics</b>								
Acetone (2-Propanone)	ug/L	<10	<10	<10	<10	<10	10	7310650
Benzene	ug/L	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	7310650
Bromodichloromethane	ug/L	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	7310650
Acrolein	ug/L	<10	<10	<10	<10	<10	10	7313093
Bromoform	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7310650
Bromomethane	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7310650
Carbon Tetrachloride	ug/L	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	7310650
Chlorobenzene	ug/L	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	7310650
Chloroethane	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7310650
Chloroform	ug/L	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	7310650
Acrylonitrile	ug/L	<5.0	<5.0	<5.0	<5.0	<5.0	5.0	7313093
Chloromethane	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7310650
Dibromochloromethane	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7310650
1,2-Dichlorobenzene	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7310650
1,3-Dichlorobenzene	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7310650
1,4-Dichlorobenzene	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7310650
1,1-Dichloroethane	ug/L	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	7310650
1,2-Dichloroethane	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7310650
1,1-Dichloroethylene	ug/L	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	7310650
cis-1,2-Dichloroethylene	ug/L	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	7310650
trans-1,2-Dichloroethylene	ug/L	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	7310650
1,2-Dichloropropane	ug/L	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	7310650
cis-1,3-Dichloropropene	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7310650
trans-1,3-Dichloropropene	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7310650
Ethylbenzene	ug/L	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	7310650
Ethylene Dibromide	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7310650
Methylene Chloride(Dichloromethane)	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7310650
Methyl Ethyl Ketone (2-Butanone)	ug/L	<5.0	<5.0	<5.0	<5.0	<5.0	5.0	7310650
Methyl Isobutyl Ketone	ug/L	<5.0	<5.0	<5.0	<5.0	<5.0	5.0	7310650
Methyl t-butyl ether (MTBE)	ug/L	<0.20	<0.20	0.25	<0.20	<0.20	0.20	7310650
Styrene	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7310650
1,1,1,2-Tetrachloroethane	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7310650
1,1,1,2-Tetrachloroethane	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7310650
Tetrachloroethylene	ug/L	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	7310650
Toluene	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7310650
1,1,1-Trichloroethane	ug/L	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	7310650
RDL = Reportable Detection Limit QC Batch = Quality Control Batch								



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### VOLATILE ORGANICS BY GC/MS (WATER)

BV Labs ID		PJL773	PJL774	PJL782	PJL783	PJL784		
Sampling Date		2021/04/20	2021/04/20	2021/04/20	2021/04/20	2021/04/20		
COC Number		819873-09-01	819873-09-01	819873-10-01	819873-10-01	819873-10-01		
	UNITS	41-I	41-II	67-I	67-II	67-III	RDL	QC Batch
1,1,2-Trichloroethane	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7310650
Trichloroethylene	ug/L	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	7310650
Trichlorofluoromethane (FREON 11)	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7310650
Vinyl Chloride	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7310650
p+m-Xylene	ug/L	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	7310650
Methyl Butyl Ketone (2-Hexanone)	ug/L	<5.0	<5.0	<5.0	<5.0	<5.0	5.0	7313093
o-Xylene	ug/L	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	7310650
Total Xylenes	ug/L	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	7310650
Total Trihalomethanes	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7310650
<b>Surrogate Recovery (%)</b>								
4-Bromofluorobenzene	%	113	109	111	113	113		7310650
D4-1,2-Dichloroethane	%	86	87	86	87	85		7310650
D8-Toluene	%	98	97	97	98	98		7310650
RDL = Reportable Detection Limit QC Batch = Quality Control Batch								



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### VOLATILE ORGANICS BY GC/MS (WATER)

BV Labs ID		PJL794		
Sampling Date		2021/04/20		
COC Number		819873-11-01		
	UNITS	68-IV	RDL	QC Batch
<b>Volatile Organics</b>				
Acetone (2-Propanone)	ug/L	<10	10	7310650
Benzene	ug/L	<0.10	0.10	7310650
Bromodichloromethane	ug/L	<0.10	0.10	7310650
Acrolein	ug/L	<10	10	7313093
Bromoform	ug/L	<0.20	0.20	7310650
Bromomethane	ug/L	<0.50	0.50	7310650
Carbon Tetrachloride	ug/L	<0.10	0.10	7310650
Chlorobenzene	ug/L	<0.10	0.10	7310650
Chloroethane	ug/L	<0.20	0.20	7310650
Chloroform	ug/L	<0.10	0.10	7310650
Acrylonitrile	ug/L	<5.0	5.0	7313093
Chloromethane	ug/L	<0.50	0.50	7310650
Dibromochloromethane	ug/L	<0.20	0.20	7310650
1,2-Dichlorobenzene	ug/L	<0.20	0.20	7310650
1,3-Dichlorobenzene	ug/L	<0.20	0.20	7310650
1,4-Dichlorobenzene	ug/L	<0.20	0.20	7310650
1,1-Dichloroethane	ug/L	<0.10	0.10	7310650
1,2-Dichloroethane	ug/L	<0.20	0.20	7310650
1,1-Dichloroethylene	ug/L	<0.10	0.10	7310650
cis-1,2-Dichloroethylene	ug/L	<0.10	0.10	7310650
trans-1,2-Dichloroethylene	ug/L	<0.10	0.10	7310650
1,2-Dichloropropane	ug/L	<0.10	0.10	7310650
cis-1,3-Dichloropropene	ug/L	<0.20	0.20	7310650
trans-1,3-Dichloropropene	ug/L	<0.20	0.20	7310650
Ethylbenzene	ug/L	<0.10	0.10	7310650
Ethylene Dibromide	ug/L	<0.20	0.20	7310650
Methylene Chloride(Dichloromethane)	ug/L	<0.50	0.50	7310650
Methyl Ethyl Ketone (2-Butanone)	ug/L	<5.0	5.0	7310650
Methyl Isobutyl Ketone	ug/L	<5.0	5.0	7310650
Methyl t-butyl ether (MTBE)	ug/L	<0.20	0.20	7310650
Styrene	ug/L	<0.20	0.20	7310650
1,1,1,2-Tetrachloroethane	ug/L	<0.20	0.20	7310650
1,1,2,2-Tetrachloroethane	ug/L	<0.20	0.20	7310650
Tetrachloroethylene	ug/L	<0.10	0.10	7310650
Toluene	ug/L	<0.20	0.20	7310650
1,1,1-Trichloroethane	ug/L	<0.10	0.10	7310650
RDL = Reportable Detection Limit QC Batch = Quality Control Batch				





BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### VOLATILE ORGANICS BY GC/MS (WATER)

<b>BV Labs ID</b>		PJL794		
<b>Sampling Date</b>		2021/04/20		
<b>COC Number</b>		819873-11-01		
	<b>UNITS</b>	<b>68-IV</b>	<b>RDL</b>	<b>QC Batch</b>
1,1,2-Trichloroethane	ug/L	<0.20	0.20	7310650
Trichloroethylene	ug/L	<0.10	0.10	7310650
Trichlorofluoromethane (FREON 11)	ug/L	<0.20	0.20	7310650
Vinyl Chloride	ug/L	<0.20	0.20	7310650
p+m-Xylene	ug/L	<0.10	0.10	7310650
Methyl Butyl Ketone (2-Hexanone)	ug/L	<5.0	5.0	7313093
o-Xylene	ug/L	<0.10	0.10	7310650
Total Xylenes	ug/L	<0.10	0.10	7310650
Total Trihalomethanes	ug/L	<0.20	0.20	7310650
<b>Surrogate Recovery (%)</b>				
4-Bromofluorobenzene	%	111		7310650
D4-1,2-Dichloroethane	%	87		7310650
D8-Toluene	%	98		7310650
RDL = Reportable Detection Limit QC Batch = Quality Control Batch				



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

**O.REG 153 OC PESTICIDES (WATER)**

<b>BV Labs ID</b>		PJL768	PJL770	PJL771	PJL772	PJL773		
<b>Sampling Date</b>		2021/04/20	2021/04/20	2021/04/20	2021/04/20	2021/04/20		
<b>COC Number</b>		819873-08-01	819873-08-01	819873-08-01	819873-09-01	819873-09-01		
	<b>UNITS</b>	<b>57-II</b>	<b>75-I</b>	<b>75-II</b>	<b>75-III</b>	<b>41-I</b>	<b>RDL</b>	<b>QC Batch</b>

<b>Calculated Parameters</b>								
Chlordane (Total)	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7311812
o,p-DDD + p,p-DDD	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7311812
o,p-DDE + p,p-DDE	ug/L	<0.005	<0.005	<0.005	0.006	<0.005	0.005	7311812
o,p-DDT + p,p-DDT	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7311812
Total Endosulfan	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7311812
Total PCB	ug/L	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	7311812

<b>Pesticides &amp; Herbicides</b>								
Aldrin	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7319009
Dieldrin	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7319009
a-Chlordane	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7319009
g-Chlordane	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7319009
o,p-DDD	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7319009
p,p-DDD	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7319009
o,p-DDE	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7319009
p,p-DDE	ug/L	<0.005	<0.005	<0.005	0.006	<0.005	0.005	7319009
o,p-DDT	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7319009
p,p-DDT	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7319009
Lindane	ug/L	<0.003	<0.003	<0.003	<0.003	<0.003	0.003	7319009
Endosulfan I (alpha)	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7319009
Endosulfan II (beta)	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7319009
Endrin	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7319009
Heptachlor	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7319009
Heptachlor epoxide	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7319009
Hexachlorobenzene	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7319009
Hexachlorobutadiene	ug/L	<0.009	<0.009	<0.009	<0.009	<0.009	0.009	7319009
Hexachloroethane	ug/L	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	7319009
Methoxychlor	ug/L	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	7319009
Aroclor 1242	ug/L	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	7319009
Aroclor 1248	ug/L	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	7319009
Aroclor 1254	ug/L	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	7319009
Aroclor 1260	ug/L	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	7319009
alpha-BHC	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7319009
beta-BHC	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7319009
Endrin aldehyde	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7319009
Endrin ketone	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7319009
Mirex	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	7319009

RDL = Reportable Detection Limit  
QC Batch = Quality Control Batch



**O.REG 153 OC PESTICIDES (WATER)**

BV Labs ID		PJL768	PJL770	PJL771	PJL772	PJL773		
Sampling Date		2021/04/20	2021/04/20	2021/04/20	2021/04/20	2021/04/20		
COC Number		819873-08-01	819873-08-01	819873-08-01	819873-09-01	819873-09-01		
	UNITS	57-II	75-I	75-II	75-III	41-I	RDL	QC Batch
Toxaphene	ug/L	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	7319009
<b>Surrogate Recovery (%)</b>								
2,4,5,6-Tetrachloro-m-xylene	%	81	78	82	74	82		7319009
Decachlorobiphenyl	%	83	89	96	83	98		7319009
RDL = Reportable Detection Limit QC Batch = Quality Control Batch								



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

**O.REG 153 OC PESTICIDES (WATER)**

<b>BV Labs ID</b>		PJL773			PJL774	PJL782	PJL783	PJL784		
<b>Sampling Date</b>		2021/04/20			2021/04/20	2021/04/20	2021/04/20	2021/04/20		
<b>COC Number</b>		819873-09-01			819873-09-01	819873-10-01	819873-10-01	819873-10-01		
	<b>UNITS</b>	<b>41-I Lab-Dup</b>	<b>RDL</b>	<b>QC Batch</b>	<b>41-II</b>	<b>67-I</b>	<b>67-II</b>	<b>67-III</b>	<b>RDL</b>	<b>QC Batch</b>

<b>Calculated Parameters</b>										
Chlordane (Total)	ug/L				<0.005	<0.005	<0.005	<0.005	0.005	7311812
o,p-DDD + p,p-DDD	ug/L				<0.005	<0.005	<0.005	<0.005	0.005	7311812
o,p-DDE + p,p-DDE	ug/L				<0.005	<0.005	<0.005	<0.005	0.005	7311812
o,p-DDT + p,p-DDT	ug/L				<0.005	<0.005	<0.005	<0.005	0.005	7311812
Total Endosulfan	ug/L				<0.005	<0.005	<0.005	<0.005	0.005	7311812
Total PCB	ug/L				<0.05	<0.05	<0.05	<0.05	0.05	7311812

<b>Pesticides &amp; Herbicides</b>										
Aldrin	ug/L	<0.005	0.005	7319009	<0.005	<0.005	<0.005	<0.005	0.005	7319009
Dieldrin	ug/L	<0.005	0.005	7319009	<0.005	<0.005	<0.005	<0.005	0.005	7319009
a-Chlordane	ug/L	<0.005	0.005	7319009	<0.005	<0.005	<0.005	<0.005	0.005	7319009
g-Chlordane	ug/L	<0.005	0.005	7319009	<0.005	<0.005	<0.005	<0.005	0.005	7319009
o,p-DDD	ug/L	<0.005	0.005	7319009	<0.005	<0.005	<0.005	<0.005	0.005	7319009
p,p-DDD	ug/L	<0.005	0.005	7319009	<0.005	<0.005	<0.005	<0.005	0.005	7319009
o,p-DDE	ug/L	<0.005	0.005	7319009	<0.005	<0.005	<0.005	<0.005	0.005	7319009
p,p-DDE	ug/L	<0.005	0.005	7319009	<0.005	<0.005	<0.005	<0.005	0.005	7319009
o,p-DDT	ug/L	<0.005	0.005	7319009	<0.005	<0.005	<0.005	<0.005	0.005	7319009
p,p-DDT	ug/L	<0.005	0.005	7319009	<0.005	<0.005	<0.005	<0.005	0.005	7319009
Lindane	ug/L	<0.003	0.003	7319009	<0.003	<0.003	<0.003	<0.003	0.003	7319009
Endosulfan I (alpha)	ug/L	<0.005	0.005	7319009	<0.005	<0.005	<0.005	<0.005	0.005	7319009
Endosulfan II (beta)	ug/L	<0.005	0.005	7319009	<0.005	<0.005	<0.005	<0.005	0.005	7319009
Endrin	ug/L	<0.005	0.005	7319009	<0.005	<0.005	<0.005	<0.005	0.005	7319009
Heptachlor	ug/L	<0.005	0.005	7319009	<0.005	<0.005	<0.005	<0.005	0.005	7319009
Heptachlor epoxide	ug/L	<0.005	0.005	7319009	<0.005	<0.005	<0.005	<0.005	0.005	7319009
Hexachlorobenzene	ug/L	<0.005	0.005	7319009	<0.005	<0.005	<0.005	<0.005	0.005	7319009
Hexachlorobutadiene	ug/L	<0.009	0.009	7319009	<0.009	<0.009	<0.009	<0.009	0.009	7319009
Hexachloroethane	ug/L	<0.01	0.01	7319009	<0.01	<0.01	<0.01	<0.01	0.01	7319009
Methoxychlor	ug/L	<0.01	0.01	7319009	<0.01	<0.01	<0.01	<0.01	0.01	7319009
Aroclor 1242	ug/L	<0.05	0.05	7319009	<0.05	<0.05	<0.05	<0.05	0.05	7319009
Aroclor 1248	ug/L	<0.05	0.05	7319009	<0.05	<0.05	<0.05	<0.05	0.05	7319009
Aroclor 1254	ug/L	<0.05	0.05	7319009	<0.05	<0.05	<0.05	<0.05	0.05	7319009
Aroclor 1260	ug/L	<0.05	0.05	7319009	<0.05	<0.05	<0.05	<0.05	0.05	7319009
alpha-BHC	ug/L	<0.005	0.005	7319009	<0.005	<0.005	<0.005	<0.005	0.005	7319009
beta-BHC	ug/L	<0.005	0.005	7319009	<0.005	<0.005	<0.005	<0.005	0.005	7319009
Endrin aldehyde	ug/L	<0.005	0.005	7319009	<0.005	<0.005	<0.005	<0.005	0.005	7319009
Endrin ketone	ug/L	<0.005	0.005	7319009	<0.005	<0.005	<0.005	<0.005	0.005	7319009

RDL = Reportable Detection Limit  
 QC Batch = Quality Control Batch  
 Lab-Dup = Laboratory Initiated Duplicate



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

**O.REG 153 OC PESTICIDES (WATER)**

BV Labs ID		PJL773			PJL774	PJL782	PJL783	PJL784		
Sampling Date		2021/04/20			2021/04/20	2021/04/20	2021/04/20	2021/04/20		
COC Number		819873-09-01			819873-09-01	819873-10-01	819873-10-01	819873-10-01		
	UNITS	41-I Lab-Dup	RDL	QC Batch	41-II	67-I	67-II	67-III	RDL	QC Batch
Mirex	ug/L	<0.005	0.005	7319009	<0.005	<0.005	<0.005	<0.005	0.005	7319009
Toxaphene	ug/L	<0.2	0.2	7319009	<0.2	<0.2	<0.2	<0.2	0.2	7319009
Surrogate Recovery (%)										
2,4,5,6-Tetrachloro-m-xylene	%	84		7319009	82	72	76	78		7319009
Decachlorobiphenyl	%	96		7319009	86	89	90	89		7319009
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate										



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### O.REG 153 OC PESTICIDES (WATER)

<b>BV Labs ID</b>		PJL794		
<b>Sampling Date</b>		2021/04/20		
<b>COC Number</b>		819873-11-01		
	<b>UNITS</b>	<b>68-IV</b>	<b>RDL</b>	<b>QC Batch</b>
<b>Calculated Parameters</b>				
Chlordane (Total)	ug/L	<0.005	0.005	7311812
o,p-DDD + p,p-DDD	ug/L	<0.005	0.005	7311812
o,p-DDE + p,p-DDE	ug/L	<0.005	0.005	7311812
o,p-DDT + p,p-DDT	ug/L	<0.005	0.005	7311812
Total Endosulfan	ug/L	<0.005	0.005	7311812
Total PCB	ug/L	<0.05	0.05	7311812
<b>Pesticides &amp; Herbicides</b>				
Aldrin	ug/L	<0.005	0.005	7319009
Dieldrin	ug/L	<0.005	0.005	7319009
a-Chlordane	ug/L	<0.005	0.005	7319009
g-Chlordane	ug/L	<0.005	0.005	7319009
o,p-DDD	ug/L	<0.005	0.005	7319009
p,p-DDD	ug/L	<0.005	0.005	7319009
o,p-DDE	ug/L	<0.005	0.005	7319009
p,p-DDE	ug/L	<0.005	0.005	7319009
o,p-DDT	ug/L	<0.005	0.005	7319009
p,p-DDT	ug/L	<0.005	0.005	7319009
Lindane	ug/L	<0.003	0.003	7319009
Endosulfan I (alpha)	ug/L	<0.005	0.005	7319009
Endosulfan II (beta)	ug/L	<0.005	0.005	7319009
Endrin	ug/L	<0.005	0.005	7319009
Heptachlor	ug/L	<0.005	0.005	7319009
Heptachlor epoxide	ug/L	<0.005	0.005	7319009
Hexachlorobenzene	ug/L	<0.005	0.005	7319009
Hexachlorobutadiene	ug/L	<0.009	0.009	7319009
Hexachloroethane	ug/L	<0.01	0.01	7319009
Methoxychlor	ug/L	<0.01	0.01	7319009
Aroclor 1242	ug/L	<0.05	0.05	7319009
Aroclor 1248	ug/L	<0.05	0.05	7319009
Aroclor 1254	ug/L	<0.05	0.05	7319009
Aroclor 1260	ug/L	<0.05	0.05	7319009
alpha-BHC	ug/L	<0.005	0.005	7319009
beta-BHC	ug/L	<0.005	0.005	7319009
Endrin aldehyde	ug/L	<0.005	0.005	7319009
Endrin ketone	ug/L	<0.005	0.005	7319009
Mirex	ug/L	<0.005	0.005	7319009
RDL = Reportable Detection Limit QC Batch = Quality Control Batch				



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

**O.REG 153 OC PESTICIDES (WATER)**

<b>BV Labs ID</b>		PJL794		
<b>Sampling Date</b>		2021/04/20		
<b>COC Number</b>		819873-11-01		
	<b>UNITS</b>	<b>68-IV</b>	<b>RDL</b>	<b>QC Batch</b>
Toxaphene	ug/L	<0.2	0.2	7319009
<b>Surrogate Recovery (%)</b>				
2,4,5,6-Tetrachloro-m-xylene	%	75		7319009
Decachlorobiphenyl	%	103		7319009
RDL = Reportable Detection Limit				
QC Batch = Quality Control Batch				



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### TEST SUMMARY

**BV Labs ID:** PJL762  
**Sample ID:** P3-II  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7315509	N/A	2021/04/23	Surinder Rai
Anions	IC	7316147	N/A	2021/04/26	Fari Dehdezi
Conductivity	AT	7315535	N/A	2021/04/23	Surinder Rai
Fluoride	ISE	7315536	2021/04/23	2021/04/23	Surinder Rai
Hardness (calculated as CaCO3)		7312951	N/A	2021/04/28	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7325001	N/A	2021/04/29	Nan Raykha
Total Ammonia-N	LACH/NH4	7315628	N/A	2021/04/26	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7315413	N/A	2021/04/23	Chandra Nandlal
pH	AT	7315534	2021/04/23	2021/04/23	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315010	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7316132	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7313849	2021/04/23	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7315617	2021/04/23	2021/04/26	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7315262	N/A	2021/04/24	Nimarta Singh

**BV Labs ID:** PJL762 Dup  
**Sample ID:** P3-II  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7315413	N/A	2021/04/23	Chandra Nandlal

**BV Labs ID:** PJL763  
**Sample ID:** 43-I  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7315509	N/A	2021/04/23	Surinder Rai
Anions	IC	7316147	N/A	2021/04/26	Fari Dehdezi
Conductivity	AT	7315535	N/A	2021/04/23	Surinder Rai
Fluoride	ISE	7315536	2021/04/23	2021/04/23	Surinder Rai
Hardness (calculated as CaCO3)		7312951	N/A	2021/04/26	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314797	N/A	2021/04/26	Arefa Dabhad
Total Ammonia-N	LACH/NH4	7315628	N/A	2021/04/26	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7315413	N/A	2021/04/23	Chandra Nandlal
pH	AT	7315534	2021/04/23	2021/04/23	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315010	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7316132	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7315539	2021/04/23	2021/04/26	Shaneil Hall
Total Kjeldahl Nitrogen in Water	SKAL	7315617	2021/04/23	2021/04/26	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7315262	N/A	2021/04/24	Nimarta Singh





BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### TEST SUMMARY

**BV Labs ID:** PJL763 Dup  
**Sample ID:** 43-I  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7315509	N/A	2021/04/23	Surinder Rai
Conductivity	AT	7315535	N/A	2021/04/23	Surinder Rai
Fluoride	ISE	7315536	2021/04/23	2021/04/23	Surinder Rai
pH	AT	7315534	2021/04/23	2021/04/23	Surinder Rai

**BV Labs ID:** PJL764  
**Sample ID:** 43-II  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7315509	N/A	2021/04/23	Surinder Rai
Anions	IC	7316147	N/A	2021/04/26	Fari Dehdezi
Conductivity	AT	7315535	N/A	2021/04/23	Surinder Rai
Fluoride	ISE	7315536	2021/04/23	2021/04/23	Surinder Rai
Hardness (calculated as CaCO3)		7312951	N/A	2021/04/28	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314787	N/A	2021/04/27	Azita Fazaeli
Total Ammonia-N	LACH/NH4	7315628	N/A	2021/04/26	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7315413	N/A	2021/04/23	Chandra Nandlal
pH	AT	7315534	2021/04/23	2021/04/23	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315010	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7316132	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7313849	2021/04/23	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7315617	2021/04/23	2021/04/23	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7315262	N/A	2021/04/24	Nimarta Singh

**BV Labs ID:** PJL765  
**Sample ID:** 2-IV  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7316072	N/A	2021/04/26	Surinder Rai
Anions	IC	7316189	N/A	2021/04/27	Fari Dehdezi
Conductivity	AT	7316078	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7316067	2021/04/23	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7312951	N/A	2021/04/28	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314803	N/A	2021/04/28	Arefa Dabhad
Total Ammonia-N	LACH/NH4	7315624	N/A	2021/04/27	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316103	N/A	2021/04/26	Chandra Nandlal
pH	AT	7316074	2021/04/23	2021/04/26	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315010	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7316138	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7313849	2021/04/23	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7315265	2021/04/23	2021/04/26	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7315260	N/A	2021/04/23	Nimarta Singh



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### TEST SUMMARY

**BV Labs ID:** PJL765 Dup  
**Sample ID:** 2-IV  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Ammonia-N	LACH/NH4	7315624	N/A	2021/04/27	Alina Dobreanu
Total Organic Carbon (TOC)	TOCV/NDIR	7315260	N/A	2021/04/23	Nimarta Singh

**BV Labs ID:** PJL766  
**Sample ID:** G11  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7316072	N/A	2021/04/26	Surinder Rai
Anions	IC	7314198	N/A	2021/04/23	Fari Dehdezi
Conductivity	AT	7316078	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7316067	2021/04/23	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7312951	N/A	2021/04/28	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314787	N/A	2021/04/27	Azita Fazaeli
Total Ammonia-N	LACH/NH4	7315628	N/A	2021/04/26	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316114	N/A	2021/04/26	Chandra Nandlal
pH	AT	7316074	2021/04/23	2021/04/26	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315010	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7314184	N/A	2021/04/23	Avneet Kour Sudan
Total Dissolved Solids	BAL	7313849	2021/04/23	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7315617	2021/04/23	2021/04/23	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7315262	N/A	2021/04/24	Nimarta Singh

**BV Labs ID:** PJL766 Dup  
**Sample ID:** G11  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Dissolved Solids	BAL	7313849	2021/04/23	2021/04/26	Shivani Desai

**BV Labs ID:** PJL767  
**Sample ID:** 57-IR  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7316275	N/A	2021/04/26	Surinder Rai
Anions	IC	7314198	N/A	2021/04/23	Fari Dehdezi
Conductivity	AT	7316279	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7316262	2021/04/23	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7312951	N/A	2021/04/28	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314787	N/A	2021/04/27	Azita Fazaeli
Total Ammonia-N	LACH/NH4	7315624	N/A	2021/04/27	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316114	N/A	2021/04/26	Chandra Nandlal
pH	AT	7316272	2021/04/23	2021/04/26	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315010	N/A	2021/04/24	Bramdeo Motiram



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### TEST SUMMARY

**BV Labs ID:** PJL767  
**Sample ID:** 57-IR  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Orthophosphate	KONE	7314184	N/A	2021/04/23	Avneet Kour Sudan
Total Dissolved Solids	BAL	7315539	2021/04/23	2021/04/26	Shaneil Hall
Total Kjeldahl Nitrogen in Water	SKAL	7315265	2021/04/23	2021/04/26	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7315260	N/A	2021/04/24	Nimarta Singh

**BV Labs ID:** PJL767 Dup  
**Sample ID:** 57-IR  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7316275	N/A	2021/04/26	Surinder Rai
Conductivity	AT	7316279	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7316262	2021/04/23	2021/04/26	Surinder Rai
pH	AT	7316272	2021/04/23	2021/04/26	Surinder Rai

**BV Labs ID:** PJL768  
**Sample ID:** 57-II  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in Water by GC/MS	GC/MS	7320061	2021/04/27	2021/04/28	Anh Lieu
Alkalinity	AT	7315509	N/A	2021/04/23	Surinder Rai
Anions	IC	7316147	N/A	2021/04/26	Fari Dehdezi
Biochemical Oxygen Demand (BOD)	DO	7312486	2021/04/22	2021/04/27	Surleen Kaur Romana
Conductivity	AT	7315535	N/A	2021/04/23	Surinder Rai
Fluoride	ISE	7315536	2021/04/23	2021/04/23	Surinder Rai
Hardness (calculated as CaCO3)		7312951	N/A	2021/04/28	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314803	N/A	2021/04/28	Arefa Dabhad
Total Ammonia-N	LACH/NH4	7315624	N/A	2021/04/27	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7315413	N/A	2021/04/23	Chandra Nandlal
OC Pesticides (Selected) & PCB	GC/ECD	7319009	2021/04/26	2021/04/28	Li Peng
OC Pesticides Summed Parameters	CALC	7311812	N/A	2021/04/24	Automated Statchk
pH	AT	7315534	2021/04/23	2021/04/23	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315010	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7316132	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7313849	2021/04/23	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7315265	2021/04/23	2021/04/26	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7315260	N/A	2021/04/24	Nimarta Singh
Volatile Organic Compounds in Water	P&T/MS	7310650	N/A	2021/04/23	Dina Wang
Non-Routine Volatile Organic Compounds	P&T/MS	7313093	N/A	2021/04/23	Dina Wang



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### TEST SUMMARY

**BV Labs ID:** PJL769  
**Sample ID:** G13  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7315509	N/A	2021/04/23	Surinder Rai
Anions	IC	7316147	N/A	2021/04/26	Fari Dehdezi
Conductivity	AT	7315535	N/A	2021/04/23	Surinder Rai
Fluoride	ISE	7315536	2021/04/23	2021/04/23	Surinder Rai
Hardness (calculated as CaCO3)		7312951	N/A	2021/04/28	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314787	N/A	2021/04/27	Azita Fazaeli
Total Ammonia-N	LACH/NH4	7315624	N/A	2021/04/27	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7315413	N/A	2021/04/23	Chandra Nandlal
pH	AT	7315534	2021/04/23	2021/04/23	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315013	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7316132	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7315539	2021/04/23	2021/04/26	Shaneil Hall
Total Kjeldahl Nitrogen in Water	SKAL	7315265	2021/04/23	2021/04/23	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7315260	N/A	2021/04/24	Nimarta Singh

**BV Labs ID:** PJL770  
**Sample ID:** 75-I  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in Water by GC/MS	GC/MS	7320061	2021/04/27	2021/04/28	Anh Lieu
Alkalinity	AT	7316072	N/A	2021/04/26	Surinder Rai
Anions	IC	7316189	N/A	2021/04/27	Fari Dehdezi
Conductivity	AT	7316078	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7316067	2021/04/23	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7312951	N/A	2021/04/28	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314787	N/A	2021/04/27	Azita Fazaeli
Total Ammonia-N	LACH/NH4	7315624	N/A	2021/04/27	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316103	N/A	2021/04/26	Chandra Nandlal
OC Pesticides (Selected) & PCB	GC/ECD	7319009	2021/04/26	2021/04/28	Li Peng
OC Pesticides Summed Parameters	CALC	7311812	N/A	2021/04/24	Automated Statchk
pH	AT	7316074	2021/04/23	2021/04/26	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315010	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7316138	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7313849	2021/04/23	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7315265	2021/04/23	2021/04/26	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7315260	N/A	2021/04/24	Nimarta Singh
Volatile Organic Compounds in Water	P&T/MS	7310650	N/A	2021/04/23	Dina Wang
Non-Routine Volatile Organic Compounds	P&T/MS	7313093	N/A	2021/04/23	Dina Wang



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### TEST SUMMARY

**BV Labs ID:** PJJ770 Dup  
**Sample ID:** 75-I  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Volatile Organic Compounds in Water	P&T/MS	7310650	N/A	2021/04/23	Dina Wang
Non-Routine Volatile Organic Compounds	P&T/MS	7313093	N/A	2021/04/23	Dina Wang

**BV Labs ID:** PJJ771  
**Sample ID:** 75-II  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in Water by GC/MS	GC/MS	7320061	2021/04/27	2021/04/28	Anh Lieu
Alkalinity	AT	7316072	N/A	2021/04/26	Surinder Rai
Anions	IC	7316189	N/A	2021/04/27	Fari Dehdezi
Conductivity	AT	7316078	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7316067	2021/04/23	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7312951	N/A	2021/04/26	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314797	N/A	2021/04/26	Arefa Dabhad
Total Ammonia-N	LACH/NH4	7315628	N/A	2021/04/26	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316103	N/A	2021/04/26	Chandra Nandlal
OC Pesticides (Selected) & PCB	GC/ECD	7319009	2021/04/26	2021/04/28	Li Peng
OC Pesticides Summed Parameters	CALC	7311812	N/A	2021/04/24	Automated Statchk
pH	AT	7316074	2021/04/23	2021/04/26	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315013	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7316138	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7313849	2021/04/23	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7315617	2021/04/23	2021/04/26	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7315262	N/A	2021/04/24	Nimarta Singh
Volatile Organic Compounds in Water	P&T/MS	7310650	N/A	2021/04/23	Dina Wang
Non-Routine Volatile Organic Compounds	P&T/MS	7313093	N/A	2021/04/23	Dina Wang

**BV Labs ID:** PJJ772  
**Sample ID:** 75-III  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in Water by GC/MS	GC/MS	7320061	2021/04/27	2021/04/29	Anh Lieu
Alkalinity	AT	7316072	N/A	2021/04/26	Surinder Rai
Anions	IC	7316189	N/A	2021/04/27	Fari Dehdezi
Conductivity	AT	7316078	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7316067	2021/04/23	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7312951	N/A	2021/04/26	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314797	N/A	2021/04/26	Arefa Dabhad
Total Ammonia-N	LACH/NH4	7315624	N/A	2021/04/27	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316103	N/A	2021/04/26	Chandra Nandlal
OC Pesticides (Selected) & PCB	GC/ECD	7319009	2021/04/26	2021/04/28	Li Peng
OC Pesticides Summed Parameters	CALC	7311812	N/A	2021/04/24	Automated Statchk
pH	AT	7316074	2021/04/23	2021/04/26	Surinder Rai



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### TEST SUMMARY

**BV Labs ID:** PJL772  
**Sample ID:** 75-III  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Phenols (4AAP)	TECH/PHEN	7315010	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7316138	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7313849	2021/04/23	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7315265	2021/04/23	2021/04/26	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7315260	N/A	2021/04/24	Nimarta Singh
Volatile Organic Compounds in Water	P&T/MS	7310650	N/A	2021/04/23	Dina Wang
Non-Routine Volatile Organic Compounds	P&T/MS	7313093	N/A	2021/04/23	Dina Wang

**BV Labs ID:** PJL772 Dup  
**Sample ID:** 75-III  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316103	N/A	2021/04/26	Chandra Nandlal

**BV Labs ID:** PJL773  
**Sample ID:** 41-I  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in Water by GC/MS	GC/MS	7320061	2021/04/27	2021/04/29	Anh Lieu
Alkalinity	AT	7316072	N/A	2021/04/26	Surinder Rai
Anions	IC	7316189	N/A	2021/04/27	Fari Dehdezi
Conductivity	AT	7316078	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7316067	2021/04/23	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7312951	N/A	2021/04/28	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314803	N/A	2021/04/28	Arefa Dabhad
Total Ammonia-N	LACH/NH4	7315628	N/A	2021/04/26	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316114	N/A	2021/04/26	Chandra Nandlal
OC Pesticides (Selected) & PCB	GC/ECD	7319009	2021/04/26	2021/04/28	Li Peng
OC Pesticides Summed Parameters	CALC	7311812	N/A	2021/04/24	Automated Statchk
pH	AT	7316074	2021/04/23	2021/04/26	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315013	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7316138	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7315539	2021/04/23	2021/04/26	Shaneil Hall
Total Kjeldahl Nitrogen in Water	SKAL	7315617	2021/04/23	2021/04/26	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7315262	N/A	2021/04/24	Nimarta Singh
Volatile Organic Compounds in Water	P&T/MS	7310650	N/A	2021/04/23	Dina Wang
Non-Routine Volatile Organic Compounds	P&T/MS	7313093	N/A	2021/04/23	Dina Wang



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### TEST SUMMARY

**BV Labs ID:** PJJ773 Dup  
**Sample ID:** 41-I  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
OC Pesticides (Selected) & PCB	GC/ECD	7319009	2021/04/26	2021/04/28	Li Peng

**BV Labs ID:** PJJ774  
**Sample ID:** 41-II  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in Water by GC/MS	GC/MS	7320061	2021/04/27	2021/04/29	Anh Lieu
Alkalinity	AT	7316072	N/A	2021/04/26	Surinder Rai
Anions	IC	7316189	N/A	2021/04/27	Fari Dehdezi
Conductivity	AT	7316078	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7316067	2021/04/23	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7312951	N/A	2021/04/28	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314803	N/A	2021/04/28	Arefa Dabhad
Total Ammonia-N	LACH/NH4	7315624	N/A	2021/04/27	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316103	N/A	2021/04/26	Chandra Nandlal
OC Pesticides (Selected) & PCB	GC/ECD	7319009	2021/04/26	2021/04/28	Li Peng
OC Pesticides Summed Parameters	CALC	7311812	N/A	2021/04/24	Automated Statchk
pH	AT	7316074	2021/04/23	2021/04/26	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315013	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7316138	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7317387	2021/04/24	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7315265	2021/04/23	2021/04/23	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7315260	N/A	2021/04/24	Nimarta Singh
Volatile Organic Compounds in Water	P&T/MS	7310650	N/A	2021/04/23	Dina Wang
Non-Routine Volatile Organic Compounds	P&T/MS	7313093	N/A	2021/04/23	Dina Wang

**BV Labs ID:** PJJ774 Dup  
**Sample ID:** 41-II  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Dissolved Solids	BAL	7317387	2021/04/24	2021/04/26	Shivani Desai

**BV Labs ID:** PJJ775  
**Sample ID:** 41-III  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7316072	N/A	2021/04/26	Surinder Rai
Anions	IC	7316189	N/A	2021/04/27	Fari Dehdezi
Conductivity	AT	7316078	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7316067	2021/04/23	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7312951	N/A	2021/04/28	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314803	N/A	2021/04/28	Arefa Dabhad





BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### TEST SUMMARY

**BV Labs ID:** PJL775  
**Sample ID:** 41-III  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Ammonia-N	LACH/NH4	7315628	N/A	2021/04/26	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316103	N/A	2021/04/26	Chandra Nandlal
pH	AT	7316074	2021/04/23	2021/04/26	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315013	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7316138	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7317387	2021/04/24	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7315617	2021/04/23	2021/04/23	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7315262	N/A	2021/04/24	Nimarta Singh

**BV Labs ID:** PJL776  
**Sample ID:** 62-I  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7316072	N/A	2021/04/26	Surinder Rai
Anions	IC	7316189	N/A	2021/04/27	Fari Dehdezi
Conductivity	AT	7316078	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7316067	2021/04/23	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7312951	N/A	2021/04/26	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314797	N/A	2021/04/23	Arefa Dabhad
Total Ammonia-N	LACH/NH4	7315624	N/A	2021/04/27	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316103	N/A	2021/04/26	Chandra Nandlal
pH	AT	7316074	2021/04/23	2021/04/26	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315010	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7316138	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7313849	2021/04/23	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7315265	2021/04/23	2021/04/26	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7315260	N/A	2021/04/24	Nimarta Singh

**BV Labs ID:** PJL777  
**Sample ID:** 62-II  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7315509	N/A	2021/04/23	Surinder Rai
Anions	IC	7316147	N/A	2021/04/26	Fari Dehdezi
Conductivity	AT	7315535	N/A	2021/04/23	Surinder Rai
Fluoride	ISE	7315536	2021/04/23	2021/04/23	Surinder Rai
Hardness (calculated as CaCO3)		7312951	N/A	2021/04/28	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314803	N/A	2021/04/28	Arefa Dabhad
Total Ammonia-N	LACH/NH4	7315624	N/A	2021/04/27	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7315413	N/A	2021/04/23	Chandra Nandlal
pH	AT	7315534	2021/04/23	2021/04/23	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315013	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7316132	N/A	2021/04/26	Avneet Kour Sudan





BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### TEST SUMMARY

**BV Labs ID:** PJL777  
**Sample ID:** 62-II  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Dissolved Solids	BAL	7315539	2021/04/23	2021/04/26	Shaneil Hall
Total Kjeldahl Nitrogen in Water	SKAL	7315265	2021/04/23	2021/04/26	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7315260	N/A	2021/04/24	Nimarta Singh

**BV Labs ID:** PJL778  
**Sample ID:** 62-III  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7315509	N/A	2021/04/23	Surinder Rai
Anions	IC	7316147	N/A	2021/04/26	Fari Dehdezi
Conductivity	AT	7315535	N/A	2021/04/23	Surinder Rai
Fluoride	ISE	7315536	2021/04/23	2021/04/23	Surinder Rai
Hardness (calculated as CaCO3)		7312951	N/A	2021/04/28	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314803	N/A	2021/04/28	Arefa Dabhad
Total Ammonia-N	LACH/NH4	7315624	N/A	2021/04/27	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7315413	N/A	2021/04/23	Chandra Nandlal
pH	AT	7315534	2021/04/23	2021/04/23	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315013	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7316132	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7313849	2021/04/23	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7315265	2021/04/23	2021/04/26	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7315260	N/A	2021/04/24	Nimarta Singh

**BV Labs ID:** PJL779  
**Sample ID:** 62-IV  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7316072	N/A	2021/04/26	Surinder Rai
Anions	IC	7316189	N/A	2021/04/27	Fari Dehdezi
Conductivity	AT	7316078	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7316067	2021/04/23	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7312951	N/A	2021/04/28	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314803	N/A	2021/04/28	Arefa Dabhad
Total Ammonia-N	LACH/NH4	7315628	N/A	2021/04/26	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316103	N/A	2021/04/26	Chandra Nandlal
pH	AT	7316074	2021/04/23	2021/04/26	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315013	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7316138	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7313849	2021/04/23	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7315617	2021/04/23	2021/04/23	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7315262	N/A	2021/04/24	Nimarta Singh



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### TEST SUMMARY

**BV Labs ID:** PJL780  
**Sample ID:** 4-III  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7316072	N/A	2021/04/26	Surinder Rai
Anions	IC	7316189	N/A	2021/04/27	Fari Dehdezi
Conductivity	AT	7316078	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7316067	2021/04/23	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7312951	N/A	2021/04/28	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314803	N/A	2021/04/28	Arefa Dabhad
Total Ammonia-N	LACH/NH4	7315624	N/A	2021/04/27	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316103	N/A	2021/04/26	Chandra Nandlal
pH	AT	7316074	2021/04/23	2021/04/26	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315013	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7316138	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7315539	2021/04/23	2021/04/26	Shaneil Hall
Total Kjeldahl Nitrogen in Water	SKAL	7315265	2021/04/23	2021/04/26	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7315260	N/A	2021/04/24	Nimarta Singh

**BV Labs ID:** PJL781  
**Sample ID:** 31-II  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7315509	N/A	2021/04/23	Surinder Rai
Anions	IC	7316147	N/A	2021/04/26	Fari Dehdezi
Biochemical Oxygen Demand (BOD)	DO	7312486	2021/04/22	2021/04/27	Surleen Kaur Romana
Conductivity	AT	7315535	N/A	2021/04/23	Surinder Rai
Fluoride	ISE	7315536	2021/04/23	2021/04/23	Surinder Rai
Hardness (calculated as CaCO3)		7312951	N/A	2021/04/28	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314803	N/A	2021/04/28	Arefa Dabhad
Total Ammonia-N	LACH/NH4	7315624	N/A	2021/04/27	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7315413	N/A	2021/04/23	Chandra Nandlal
pH	AT	7315534	2021/04/23	2021/04/23	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315010	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7316132	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7315539	2021/04/23	2021/04/26	Shaneil Hall
Total Kjeldahl Nitrogen in Water	SKAL	7315265	2021/04/23	2021/04/23	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7315260	N/A	2021/04/23	Nimarta Singh

**BV Labs ID:** PJL781 Dup  
**Sample ID:** 31-II  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Kjeldahl Nitrogen in Water	SKAL	7315265	2021/04/23	2021/04/23	Rajni Tyagi



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### TEST SUMMARY

**BV Labs ID:** PJL782  
**Sample ID:** 67-I  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in Water by GC/MS	GC/MS	7320061	2021/04/27	2021/04/29	Anh Lieu
Alkalinity	AT	7315509	N/A	2021/04/23	Surinder Rai
Anions	IC	7316147	N/A	2021/04/26	Fari Dehdezi
Conductivity	AT	7315535	N/A	2021/04/23	Surinder Rai
Fluoride	ISE	7315536	2021/04/23	2021/04/23	Surinder Rai
Hardness (calculated as CaCO3)		7312951	N/A	2021/04/28	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314803	N/A	2021/04/28	Arefa Dabhad
Total Ammonia-N	LACH/NH4	7315624	N/A	2021/04/27	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7315413	N/A	2021/04/23	Chandra Nandlal
OC Pesticides (Selected) & PCB	GC/ECD	7319009	2021/04/26	2021/04/28	Li Peng
OC Pesticides Summed Parameters	CALC	7311812	N/A	2021/04/24	Automated Statchk
pH	AT	7315534	2021/04/23	2021/04/23	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315013	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7316132	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7313849	2021/04/23	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7315265	2021/04/23	2021/04/26	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7315260	N/A	2021/04/24	Nimarta Singh
Volatile Organic Compounds in Water	P&T/MS	7310650	N/A	2021/04/23	Dina Wang
Non-Routine Volatile Organic Compounds	P&T/MS	7313093	N/A	2021/04/23	Dina Wang

**BV Labs ID:** PJL783  
**Sample ID:** 67-II  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in Water by GC/MS	GC/MS	7320061	2021/04/27	2021/04/29	Anh Lieu
Alkalinity	AT	7315509	N/A	2021/04/23	Surinder Rai
Anions	IC	7316189	N/A	2021/04/27	Fari Dehdezi
Conductivity	AT	7315535	N/A	2021/04/23	Surinder Rai
Fluoride	ISE	7315536	2021/04/23	2021/04/23	Surinder Rai
Hardness (calculated as CaCO3)		7312951	N/A	2021/04/28	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314803	N/A	2021/04/28	Arefa Dabhad
Total Ammonia-N	LACH/NH4	7315628	N/A	2021/04/26	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7315413	N/A	2021/04/23	Chandra Nandlal
OC Pesticides (Selected) & PCB	GC/ECD	7319009	2021/04/26	2021/04/28	Li Peng
OC Pesticides Summed Parameters	CALC	7311812	N/A	2021/04/24	Automated Statchk
pH	AT	7315534	2021/04/23	2021/04/23	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315010	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7316132	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7313849	2021/04/23	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7315617	2021/04/23	2021/04/26	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7315262	N/A	2021/04/24	Nimarta Singh
Volatile Organic Compounds in Water	P&T/MS	7310650	N/A	2021/04/23	Dina Wang
Non-Routine Volatile Organic Compounds	P&T/MS	7313093	N/A	2021/04/23	Dina Wang



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### TEST SUMMARY

**BV Labs ID:** PJL783 Dup  
**Sample ID:** 67-II  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Kjeldahl Nitrogen in Water	SKAL	7315617	2021/04/23	2021/04/26	Rajni Tyagi

**BV Labs ID:** PJL784  
**Sample ID:** 67-III  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in Water by GC/MS	GC/MS	7320061	2021/04/27	2021/04/29	Anh Lieu
Alkalinity	AT	7316072	N/A	2021/04/26	Surinder Rai
Anions	IC	7316147	N/A	2021/04/26	Fari Dehdezi
Conductivity	AT	7316078	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7316067	2021/04/23	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7312951	N/A	2021/04/28	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314803	N/A	2021/04/28	Arefa Dabhad
Total Ammonia-N	LACH/NH4	7315624	N/A	2021/04/27	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7315413	N/A	2021/04/23	Chandra Nandlal
OC Pesticides (Selected) & PCB	GC/ECD	7319009	2021/04/26	2021/04/28	Li Peng
OC Pesticides Summed Parameters	CALC	7311812	N/A	2021/04/24	Automated Statchk
pH	AT	7316074	2021/04/23	2021/04/26	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315010	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7316132	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7313849	2021/04/23	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7315265	2021/04/23	2021/04/26	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7315260	N/A	2021/04/24	Nimarta Singh
Volatile Organic Compounds in Water	P&T/MS	7310650	N/A	2021/04/23	Dina Wang
Non-Routine Volatile Organic Compounds	P&T/MS	7313093	N/A	2021/04/23	Dina Wang

**BV Labs ID:** PJL784 Dup  
**Sample ID:** 67-III  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7316072	N/A	2021/04/26	Surinder Rai
Conductivity	AT	7316078	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7316067	2021/04/23	2021/04/26	Surinder Rai
pH	AT	7316074	2021/04/23	2021/04/26	Surinder Rai

**BV Labs ID:** PJL785  
**Sample ID:** 2-III  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7315509	N/A	2021/04/23	Surinder Rai
Anions	IC	7316147	N/A	2021/04/26	Fari Dehdezi
Conductivity	AT	7315535	N/A	2021/04/23	Surinder Rai



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### TEST SUMMARY

**BV Labs ID:** PJL785  
**Sample ID:** 2-III  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Fluoride	ISE	7315536	2021/04/23	2021/04/23	Surinder Rai
Hardness (calculated as CaCO3)		7312951	N/A	2021/04/28	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314803	N/A	2021/04/28	Arefa Dabhad
Total Ammonia-N	LACH/NH4	7315624	N/A	2021/04/27	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7315413	N/A	2021/04/23	Chandra Nandlal
pH	AT	7315534	2021/04/23	2021/04/23	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315013	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7316132	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7313849	2021/04/23	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7315265	2021/04/23	2021/04/26	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7315260	N/A	2021/04/24	Nimarta Singh

**BV Labs ID:** PJL785 Dup  
**Sample ID:** 2-III  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Phenols (4AAP)	TECH/PHEN	7315013	N/A	2021/04/24	Bramdeo Motiram

**BV Labs ID:** PJL786  
**Sample ID:** 36-IR  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7315509	N/A	2021/04/23	Surinder Rai
Anions	IC	7316147	N/A	2021/04/26	Fari Dehdezi
Conductivity	AT	7315535	N/A	2021/04/23	Surinder Rai
Fluoride	ISE	7315536	2021/04/23	2021/04/23	Surinder Rai
Hardness (calculated as CaCO3)		7310369	N/A	2021/04/28	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314803	N/A	2021/04/28	Arefa Dabhad
Total Ammonia-N	LACH/NH4	7315628	N/A	2021/04/26	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7315413	N/A	2021/04/23	Chandra Nandlal
pH	AT	7315534	2021/04/23	2021/04/23	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315010	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7316132	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7313849	2021/04/23	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7315617	2021/04/23	2021/04/26	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7315262	N/A	2021/04/24	Nimarta Singh

**BV Labs ID:** PJL787  
**Sample ID:** 36-IIR  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7315509	N/A	2021/04/23	Surinder Rai



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### TEST SUMMARY

**BV Labs ID:** PJL787  
**Sample ID:** 36-IIR  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Anions	IC	7316147	N/A	2021/04/26	Fari Dehdezi
Conductivity	AT	7315535	N/A	2021/04/23	Surinder Rai
Fluoride	ISE	7315536	2021/04/23	2021/04/23	Surinder Rai
Hardness (calculated as CaCO3)		7312951	N/A	2021/04/28	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314803	N/A	2021/04/28	Arefa Dabhad
Total Ammonia-N	LACH/NH4	7315624	N/A	2021/04/27	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7315413	N/A	2021/04/23	Chandra Nandlal
pH	AT	7315534	2021/04/23	2021/04/23	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315010	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7316132	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7313849	2021/04/23	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7315265	2021/04/23	2021/04/26	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7315260	N/A	2021/04/24	Nimarta Singh

**BV Labs ID:** PJL788  
**Sample ID:** 36-IIIR  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7315509	N/A	2021/04/23	Surinder Rai
Anions	IC	7316147	N/A	2021/04/26	Fari Dehdezi
Conductivity	AT	7315535	N/A	2021/04/23	Surinder Rai
Fluoride	ISE	7315536	2021/04/23	2021/04/23	Surinder Rai
Hardness (calculated as CaCO3)		7312951	N/A	2021/04/28	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314803	N/A	2021/04/28	Arefa Dabhad
Total Ammonia-N	LACH/NH4	7315624	N/A	2021/04/27	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7315413	N/A	2021/04/23	Chandra Nandlal
pH	AT	7315534	2021/04/23	2021/04/23	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315010	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7316132	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7315539	2021/04/23	2021/04/26	Shaneil Hall
Total Kjeldahl Nitrogen in Water	SKAL	7315265	2021/04/23	2021/04/23	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7315260	N/A	2021/04/24	Nimarta Singh

**BV Labs ID:** PJL789  
**Sample ID:** 36-IVR  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7315509	N/A	2021/04/23	Surinder Rai
Anions	IC	7316147	N/A	2021/04/26	Fari Dehdezi
Conductivity	AT	7315535	N/A	2021/04/23	Surinder Rai
Fluoride	ISE	7315536	2021/04/23	2021/04/23	Surinder Rai
Hardness (calculated as CaCO3)		7312951	N/A	2021/04/28	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314787	N/A	2021/04/27	Azita Fazaeli



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### TEST SUMMARY

**BV Labs ID:** PJL789  
**Sample ID:** 36-IVR  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Ammonia-N	LACH/NH4	7315628	N/A	2021/04/26	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7315413	N/A	2021/04/23	Chandra Nandlal
pH	AT	7315534	2021/04/23	2021/04/23	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315013	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7316132	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7315539	2021/04/23	2021/04/26	Shaneil Hall
Total Kjeldahl Nitrogen in Water	SKAL	7315617	2021/04/23	2021/04/26	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7315262	N/A	2021/04/24	Nimarta Singh

**BV Labs ID:** PJL789 Dup  
**Sample ID:** 36-IVR  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Ammonia-N	LACH/NH4	7315628	N/A	2021/04/26	Alina Dobreanu
Total Organic Carbon (TOC)	TOCV/NDIR	7315262	N/A	2021/04/24	Nimarta Singh

**BV Labs ID:** PJL790  
**Sample ID:** 36-VR  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7315509	N/A	2021/04/23	Surinder Rai
Anions	IC	7316147	N/A	2021/04/26	Fari Dehdezi
Conductivity	AT	7315535	N/A	2021/04/23	Surinder Rai
Fluoride	ISE	7315536	2021/04/23	2021/04/23	Surinder Rai
Hardness (calculated as CaCO3)		7312951	N/A	2021/04/28	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314803	N/A	2021/04/28	Arefa Dabhad
Total Ammonia-N	LACH/NH4	7315628	N/A	2021/04/26	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7315413	N/A	2021/04/23	Chandra Nandlal
pH	AT	7315534	2021/04/23	2021/04/23	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315013	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7316132	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7315539	2021/04/23	2021/04/26	Shaneil Hall
Total Kjeldahl Nitrogen in Water	SKAL	7315617	2021/04/23	2021/04/26	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7315262	N/A	2021/04/24	Nimarta Singh

**BV Labs ID:** PJL791  
**Sample ID:** P4-I  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7315509	N/A	2021/04/23	Surinder Rai
Anions	IC	7316147	N/A	2021/04/26	Fari Dehdezi
Conductivity	AT	7315535	N/A	2021/04/23	Surinder Rai





BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### TEST SUMMARY

**BV Labs ID:** PJL791  
**Sample ID:** P4-I  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Fluoride	ISE	7315536	2021/04/23	2021/04/23	Surinder Rai
Hardness (calculated as CaCO3)		7312951	N/A	2021/04/28	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314787	N/A	2021/04/27	Azita Fazaeli
Total Ammonia-N	LACH/NH4	7315624	N/A	2021/04/27	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7315413	N/A	2021/04/23	Chandra Nandlal
pH	AT	7315534	2021/04/23	2021/04/23	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315013	N/A	2021/04/26	Bramdeo Motiram
Orthophosphate	KONE	7316132	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7313849	2021/04/23	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7315265	2021/04/23	2021/04/26	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7315260	N/A	2021/04/24	Nimarta Singh

**BV Labs ID:** PJL791 Dup  
**Sample ID:** P4-I  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Orthophosphate	KONE	7316132	N/A	2021/04/26	Avneet Kour Sudan

**BV Labs ID:** PJL792  
**Sample ID:** P4-II  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7315509	N/A	2021/04/23	Surinder Rai
Anions	IC	7316189	N/A	2021/04/27	Fari Dehdezi
Conductivity	AT	7315535	N/A	2021/04/23	Surinder Rai
Fluoride	ISE	7315536	2021/04/23	2021/04/23	Surinder Rai
Hardness (calculated as CaCO3)		7312951	N/A	2021/04/28	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314787	N/A	2021/04/28	Azita Fazaeli
Total Ammonia-N	LACH/NH4	7315628	N/A	2021/04/26	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316103	N/A	2021/04/26	Chandra Nandlal
pH	AT	7315534	2021/04/23	2021/04/23	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315013	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7316138	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7317387	2021/04/24	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7315617	2021/04/23	2021/04/27	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7315262	N/A	2021/04/24	Nimarta Singh

**BV Labs ID:** PJL792 Dup  
**Sample ID:** P4-II  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Anions	IC	7316189	N/A	2021/04/27	Fari Dehdezi





BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### TEST SUMMARY

**BV Labs ID:** PJL793  
**Sample ID:** P4-III  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7315509	N/A	2021/04/23	Surinder Rai
Anions	IC	7316147	N/A	2021/04/26	Fari Dehdezi
Conductivity	AT	7315535	N/A	2021/04/23	Surinder Rai
Fluoride	ISE	7315536	2021/04/23	2021/04/23	Surinder Rai
Hardness (calculated as CaCO3)		7312951	N/A	2021/04/28	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314803	N/A	2021/04/28	Arefa Dabhad
Total Ammonia-N	LACH/NH4	7315624	N/A	2021/04/27	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316114	N/A	2021/04/26	Chandra Nandlal
pH	AT	7315534	2021/04/23	2021/04/23	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315010	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7316132	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7313849	2021/04/23	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7315265	2021/04/23	2021/04/26	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7315260	N/A	2021/04/24	Nimarta Singh

**BV Labs ID:** PJJ794  
**Sample ID:** 68-IV  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in Water by GC/MS	GC/MS	7320061	2021/04/27	2021/04/29	Anh Lieu
Alkalinity	AT	7315509	N/A	2021/04/23	Surinder Rai
Anions	IC	7316147	N/A	2021/04/26	Fari Dehdezi
Conductivity	AT	7315535	N/A	2021/04/23	Surinder Rai
Fluoride	ISE	7315536	2021/04/23	2021/04/23	Surinder Rai
Hardness (calculated as CaCO3)		7312951	N/A	2021/04/28	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7314803	N/A	2021/04/28	Arefa Dabhad
Total Ammonia-N	LACH/NH4	7315624	N/A	2021/04/27	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7315413	N/A	2021/04/23	Chandra Nandlal
OC Pesticides (Selected) & PCB	GC/ECD	7319009	2021/04/26	2021/04/28	Li Peng
OC Pesticides Summed Parameters	CALC	7311812	N/A	2021/04/24	Automated Statchk
pH	AT	7315534	2021/04/23	2021/04/23	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315010	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7316132	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7313849	2021/04/23	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7315265	2021/04/23	2021/04/23	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7315260	N/A	2021/04/24	Nimarta Singh
Volatile Organic Compounds in Water	P&T/MS	7310650	N/A	2021/04/23	Dina Wang
Non-Routine Volatile Organic Compounds	P&T/MS	7313093	N/A	2021/04/23	Dina Wang



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### TEST SUMMARY

**BV Labs ID:** PJL794 Dup  
**Sample ID:** 68-IV  
**Matrix:** Water

**Collected:** 2021/04/20  
**Shipped:**  
**Received:** 2021/04/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Metals by ICPMS	ICP/MS	7314803	N/A	2021/04/28	Arefa Dabhad



### GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	2.0°C
Package 2	3.7°C
Package 3	0.7°C
Package 4	1.3°C
Package 5	0.7°C
Package 6	1.0°C
Package 7	0.7°C
Package 8	0.3°C
Package 9	1.3°C
Package 10	0.7°C

Anions Analysis: Due to the sample matrix, sample required dilution. Detection limits were adjusted accordingly.

Sample PJJ765 [2-IV] : Metals Analysis: Due to the sample matrix, sample required dilution. Detection limits were adjusted accordingly.

Sample PJJ768 [57-II] : ABN analysis: Due to the nature of the sample matrix, sample required dilution. Detection limits were adjusted accordingly.

Sample PJJ773 [41-I] : Metals Analysis: Due to the sample matrix, sample required dilution. Detection limits were adjusted accordingly.

Sample PJJ776 [62-I] : Metals Analysis: Due to the sample matrix, sample required dilution. Detection limits were adjusted accordingly.

Sample PJJ777 [62-II] : Metals Analysis: Due to the sample matrix, sample required dilution. Detection limits were adjusted accordingly.

Sample PJJ782 [67-I] : Metals Analysis: Due to the sample matrix, sample required dilution. Detection limits were adjusted accordingly.

Sample PJJ785 [2-III] : Metals Analysis: Due to the sample matrix, sample required dilution. Detection limits were adjusted accordingly.

Sample PJJ786 [36-IR] : Metals Analysis: Due to the sample matrix, sample required dilution. Detection limits were adjusted accordingly.

Sample PJJ787 [36-IIR] : Metals Analysis: Due to the sample matrix, sample required dilution. Detection limits were adjusted accordingly.

Sample PJJ788 [36-IIIR] : Metals Analysis: Due to the sample matrix, sample required dilution. Detection limits were adjusted accordingly.

Sample PJJ790 [36-VR] : Metals Analysis: Due to the sample matrix, sample required dilution. Detection limits were adjusted accordingly.

Sample PJJ791 [P4-I] : ortho-Phosphate > Total Phosphorus: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Sample PJJ793 [P4-III] : Metals Analysis: Due to the sample matrix, sample required dilution. Detection limits were adjusted accordingly.

**Results relate only to the items tested.**



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

### QUALITY ASSURANCE REPORT

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7310650	4-Bromofluorobenzene	2021/04/23	110	70 - 130	112	70 - 130	109	%				
7310650	D4-1,2-Dichloroethane	2021/04/23	83	70 - 130	81	70 - 130	85	%				
7310650	D8-Toluene	2021/04/23	102	70 - 130	102	70 - 130	97	%				
7319009	2,4,5,6-Tetrachloro-m-xylene	2021/04/28	76	50 - 130	80	50 - 130	72	%				
7319009	Decachlorobiphenyl	2021/04/28	96	50 - 130	93	50 - 130	83	%				
7320061	2,4,6-Tribromophenol	2021/04/28	116	10 - 130	87	10 - 130	68	%				
7320061	2-Fluorobiphenyl	2021/04/28	74	30 - 130	66	30 - 130	73	%				
7320061	2-Fluorophenol	2021/04/28	38	10 - 130	56	10 - 130	43	%				
7320061	D14-Terphenyl	2021/04/28	116	30 - 130	99	30 - 130	95	%				
7320061	D5-Nitrobenzene	2021/04/28	83	30 - 130	93	30 - 130	93	%				
7320061	D5-Phenol	2021/04/28	34	10 - 130	38	10 - 130	32	%				
7310650	1,1,1,2-Tetrachloroethane	2021/04/23	91	70 - 130	92	70 - 130	<0.20	ug/L	NC	30		
7310650	1,1,1-Trichloroethane	2021/04/23	94	70 - 130	91	70 - 130	<0.10	ug/L	NC	30		
7310650	1,1,2,2-Tetrachloroethane	2021/04/23	93	70 - 130	88	70 - 130	<0.20	ug/L	NC	30		
7310650	1,1,2-Trichloroethane	2021/04/23	91	70 - 130	85	70 - 130	<0.20	ug/L	NC	30		
7310650	1,1-Dichloroethane	2021/04/23	90	70 - 130	87	70 - 130	<0.10	ug/L	NC	30		
7310650	1,1-Dichloroethylene	2021/04/23	85	70 - 130	79	70 - 130	<0.10	ug/L	NC	30		
7310650	1,2-Dichlorobenzene	2021/04/23	92	70 - 130	93	70 - 130	<0.20	ug/L	NC	30		
7310650	1,2-Dichloroethane	2021/04/23	74	70 - 130	72	70 - 130	<0.20	ug/L	NC	30		
7310650	1,2-Dichloropropane	2021/04/23	95	70 - 130	91	70 - 130	<0.10	ug/L	NC	30		
7310650	1,3-Dichlorobenzene	2021/04/23	89	70 - 130	90	70 - 130	<0.20	ug/L	NC	30		
7310650	1,4-Dichlorobenzene	2021/04/23	102	70 - 130	104	70 - 130	<0.20	ug/L	NC	30		
7310650	Acetone (2-Propanone)	2021/04/23	73	60 - 140	67	60 - 140	<10	ug/L	NC	30		
7310650	Benzene	2021/04/23	93	70 - 130	90	70 - 130	<0.10	ug/L	NC	30		
7310650	Bromodichloromethane	2021/04/23	89	70 - 130	87	70 - 130	<0.10	ug/L	NC	30		
7310650	Bromoform	2021/04/23	94	70 - 130	93	70 - 130	<0.20	ug/L	NC	30		
7310650	Bromomethane	2021/04/23	47 (1)	60 - 140	47 (1)	60 - 140	<0.50	ug/L	NC	30		
7310650	Carbon Tetrachloride	2021/04/23	96	70 - 130	95	70 - 130	<0.10	ug/L	NC	30		
7310650	Chlorobenzene	2021/04/23	94	70 - 130	95	70 - 130	<0.10	ug/L	NC	30		
7310650	Chloroethane	2021/04/23	82	70 - 130	65 (1)	70 - 130	<0.20	ug/L	NC	30		
7310650	Chloroform	2021/04/23	87	70 - 130	86	70 - 130	<0.10	ug/L	NC	30		



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7310650	Chloromethane	2021/04/23	82	60 - 140	70	60 - 140	<0.50	ug/L	NC	30		
7310650	cis-1,2-Dichloroethylene	2021/04/23	95	70 - 130	95	70 - 130	<0.10	ug/L	NC	30		
7310650	cis-1,3-Dichloropropene	2021/04/23	96	70 - 130	92	70 - 130	<0.20	ug/L	NC	30		
7310650	Dibromochloromethane	2021/04/23	90	70 - 130	87	70 - 130	<0.20	ug/L	NC	30		
7310650	Ethylbenzene	2021/04/23	92	70 - 130	92	70 - 130	<0.10	ug/L	NC	30		
7310650	Ethylene Dibromide	2021/04/23	87	70 - 130	85	70 - 130	<0.20	ug/L	NC	30		
7310650	Methyl Ethyl Ketone (2-Butanone)	2021/04/23	88	60 - 140	78	60 - 140	<5.0	ug/L	NC	30		
7310650	Methyl Isobutyl Ketone	2021/04/23	85	70 - 130	75	70 - 130	<5.0	ug/L	NC	30		
7310650	Methyl t-butyl ether (MTBE)	2021/04/23	86	70 - 130	76	70 - 130	<0.20	ug/L	NC	30		
7310650	Methylene Chloride(Dichloromethane)	2021/04/23	98	70 - 130	89	70 - 130	<0.50	ug/L	NC	30		
7310650	o-Xylene	2021/04/23	96	70 - 130	94	70 - 130	<0.10	ug/L	NC	30		
7310650	p+m-Xylene	2021/04/23	103	70 - 130	101	70 - 130	<0.10	ug/L	NC	30		
7310650	Styrene	2021/04/23	107	70 - 130	106	70 - 130	<0.20	ug/L	NC	30		
7310650	Tetrachloroethylene	2021/04/23	101	70 - 130	103	70 - 130	<0.10	ug/L	NC	30		
7310650	Toluene	2021/04/23	98	70 - 130	96	70 - 130	<0.20	ug/L	NC	30		
7310650	Total Trihalomethanes	2021/04/23					<0.20	ug/L	NC	30		
7310650	Total Xylenes	2021/04/23					<0.10	ug/L	NC	30		
7310650	trans-1,2-Dichloroethylene	2021/04/23	101	70 - 130	98	70 - 130	<0.10	ug/L	NC	30		
7310650	trans-1,3-Dichloropropene	2021/04/23	94	70 - 130	92	70 - 130	<0.20	ug/L	NC	30		
7310650	Trichloroethylene	2021/04/23	101	70 - 130	102	70 - 130	<0.10	ug/L	NC	30		
7310650	Trichlorofluoromethane (FREON 11)	2021/04/23	85	70 - 130	74	70 - 130	<0.20	ug/L	NC	30		
7310650	Vinyl Chloride	2021/04/23	92	70 - 130	77	70 - 130	<0.20	ug/L	NC	30		
7312486	Total BOD	2021/04/27					<2	mg/L	NC	30	100	80 - 120
7313093	Acrolein	2021/04/23	102	60 - 140	93	60 - 140	<10	ug/L	NC	30		
7313093	Acrylonitrile	2021/04/23	101	60 - 140	91	60 - 140	<5.0	ug/L	NC	30		
7313093	Methyl Butyl Ketone (2-Hexanone)	2021/04/23	103	60 - 140	92	60 - 140	<5.0	ug/L	NC	30		
7313849	Total Dissolved Solids	2021/04/26					<10	mg/L	1.2	25	98	90 - 110
7314184	Orthophosphate (P)	2021/04/23	122	75 - 125	101	80 - 120	<0.010	mg/L	2.5	25		
7314198	Dissolved Bromide (Br-)	2021/04/23	110	80 - 120	109	80 - 120	<1.0	mg/L	NC	20		
7314198	Dissolved Chloride (Cl-)	2021/04/23	97	80 - 120	96	70 - 130	<1.0	mg/L	2.2	20		
7314198	Dissolved Sulphate (SO4)	2021/04/23	NC	80 - 120	99	80 - 120	<1.0	mg/L	0.64	20		



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7314787	Dissolved Aluminum (Al)	2021/04/28	98	80 - 120	94	80 - 120	<4.9	ug/L	NC	20		
7314787	Dissolved Antimony (Sb)	2021/04/27	104	80 - 120	101	80 - 120	<0.50	ug/L				
7314787	Dissolved Arsenic (As)	2021/04/27	104	80 - 120	100	80 - 120	<1.0	ug/L				
7314787	Dissolved Barium (Ba)	2021/04/27	98	80 - 120	99	80 - 120	<2.0	ug/L				
7314787	Dissolved Beryllium (Be)	2021/04/27	103	80 - 120	102	80 - 120	<0.40	ug/L				
7314787	Dissolved Bismuth (Bi)	2021/04/27	96	80 - 120	100	80 - 120	<1.0	ug/L				
7314787	Dissolved Boron (B)	2021/04/28	NC	80 - 120	99	80 - 120	<10	ug/L	4.4	20		
7314787	Dissolved Cadmium (Cd)	2021/04/28	100	80 - 120	99	80 - 120	<0.090	ug/L	NC	20		
7314787	Dissolved Calcium (Ca)	2021/04/28	NC	80 - 120	94	80 - 120	<200	ug/L	5.7	20		
7314787	Dissolved Chromium (Cr)	2021/04/28	101	80 - 120	98	80 - 120	<5.0	ug/L	NC	20		
7314787	Dissolved Cobalt (Co)	2021/04/27	100	80 - 120	98	80 - 120	<0.50	ug/L				
7314787	Dissolved Copper (Cu)	2021/04/28	100	80 - 120	99	80 - 120	<0.90	ug/L	6.6	20		
7314787	Dissolved Iron (Fe)	2021/04/28	98	80 - 120	98	80 - 120	<100	ug/L	0.99	20		
7314787	Dissolved Lead (Pb)	2021/04/28	98	80 - 120	99	80 - 120	<0.50	ug/L	NC	20		
7314787	Dissolved Lithium (Li)	2021/04/27	107	80 - 120	108	80 - 120	<5.0	ug/L				
7314787	Dissolved Magnesium (Mg)	2021/04/28	NC	80 - 120	101	80 - 120	<50	ug/L	0.24	20		
7314787	Dissolved Manganese (Mn)	2021/04/28	100	80 - 120	100	80 - 120	<2.0	ug/L	0.15	20		
7314787	Dissolved Molybdenum (Mo)	2021/04/27	108	80 - 120	100	80 - 120	<0.50	ug/L				
7314787	Dissolved Nickel (Ni)	2021/04/27	96	80 - 120	97	80 - 120	<1.0	ug/L				
7314787	Dissolved Phosphorus (P)	2021/04/27	97	80 - 120	106	80 - 120	<100	ug/L				
7314787	Dissolved Potassium (K)	2021/04/28	100	80 - 120	99	80 - 120	<200	ug/L	1.3	20		
7314787	Dissolved Selenium (Se)	2021/04/27	102	80 - 120	96	80 - 120	<2.0	ug/L				
7314787	Dissolved Silicon (Si)	2021/04/27	95	80 - 120	92	80 - 120	<50	ug/L				
7314787	Dissolved Silver (Ag)	2021/04/27	83	80 - 120	92	80 - 120	<0.090	ug/L				
7314787	Dissolved Sodium (Na)	2021/04/28	97	80 - 120	98	80 - 120	<100	ug/L	0.20	20		
7314787	Dissolved Strontium (Sr)	2021/04/27	NC	80 - 120	98	80 - 120	<1.0	ug/L				
7314787	Dissolved Tellurium (Te)	2021/04/27	97	80 - 120	94	80 - 120	<1.0	ug/L				
7314787	Dissolved Thallium (Tl)	2021/04/27	99	80 - 120	100	80 - 120	<0.050	ug/L				
7314787	Dissolved Tin (Sn)	2021/04/27	104	80 - 120	100	80 - 120	<1.0	ug/L				
7314787	Dissolved Titanium (Ti)	2021/04/27	95	80 - 120	90	80 - 120	<5.0	ug/L				
7314787	Dissolved Tungsten (W)	2021/04/27	106	80 - 120	101	80 - 120	<1.0	ug/L				



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7314787	Dissolved Uranium (U)	2021/04/27	101	80 - 120	101	80 - 120	<0.10	ug/L				
7314787	Dissolved Vanadium (V)	2021/04/27	102	80 - 120	99	80 - 120	<0.50	ug/L				
7314787	Dissolved Zinc (Zn)	2021/04/28	97	80 - 120	98	80 - 120	<5.0	ug/L	NC	20		
7314787	Dissolved Zirconium (Zr)	2021/04/27	110	80 - 120	103	80 - 120	<1.0	ug/L				
7314797	Dissolved Aluminum (Al)	2021/04/23	102	80 - 120	101	80 - 120	<4.9	ug/L				
7314797	Dissolved Antimony (Sb)	2021/04/23	107	80 - 120	102	80 - 120	<0.50	ug/L	NC	20		
7314797	Dissolved Arsenic (As)	2021/04/23	101	80 - 120	98	80 - 120	<1.0	ug/L	NC	20		
7314797	Dissolved Barium (Ba)	2021/04/23	103	80 - 120	103	80 - 120	<2.0	ug/L	0.37	20		
7314797	Dissolved Beryllium (Be)	2021/04/23	101	80 - 120	97	80 - 120	<0.40	ug/L	NC	20		
7314797	Dissolved Bismuth (Bi)	2021/04/23	98	80 - 120	102	80 - 120	<1.0	ug/L				
7314797	Dissolved Boron (B)	2021/04/23	101	80 - 120	97	80 - 120	<10	ug/L	4.5	20		
7314797	Dissolved Cadmium (Cd)	2021/04/23	100	80 - 120	99	80 - 120	<0.090	ug/L	NC	20		
7314797	Dissolved Calcium (Ca)	2021/04/23	NC	80 - 120	99	80 - 120	<200	ug/L				
7314797	Dissolved Chromium (Cr)	2021/04/23	95	80 - 120	94	80 - 120	<5.0	ug/L	NC	20		
7314797	Dissolved Cobalt (Co)	2021/04/23	96	80 - 120	96	80 - 120	<0.50	ug/L	0.13	20		
7314797	Dissolved Copper (Cu)	2021/04/23	97	80 - 120	96	80 - 120	<0.90	ug/L	1.2	20		
7314797	Dissolved Iron (Fe)	2021/04/23	94	80 - 120	94	80 - 120	<100	ug/L				
7314797	Dissolved Lead (Pb)	2021/04/23	96	80 - 120	99	80 - 120	<0.50	ug/L	NC	20		
7314797	Dissolved Lithium (Li)	2021/04/23	109	80 - 120	105	80 - 120	<5.0	ug/L				
7314797	Dissolved Magnesium (Mg)	2021/04/23	NC	80 - 120	96	80 - 120	<50	ug/L				
7314797	Dissolved Manganese (Mn)	2021/04/23	NC	80 - 120	97	80 - 120	<2.0	ug/L				
7314797	Dissolved Molybdenum (Mo)	2021/04/23	101	80 - 120	97	80 - 120	<0.50	ug/L	0.25	20		
7314797	Dissolved Nickel (Ni)	2021/04/23	93	80 - 120	95	80 - 120	<1.0	ug/L	3.5	20		
7314797	Dissolved Phosphorus (P)	2021/04/23	111	80 - 120	107	80 - 120	<100	ug/L				
7314797	Dissolved Potassium (K)	2021/04/23	100	80 - 120	97	80 - 120	<200	ug/L				
7314797	Dissolved Selenium (Se)	2021/04/23	100	80 - 120	102	80 - 120	<2.0	ug/L	NC	20		
7314797	Dissolved Silicon (Si)	2021/04/23	100	80 - 120	99	80 - 120	<50	ug/L				
7314797	Dissolved Silver (Ag)	2021/04/23	90	80 - 120	93	80 - 120	<0.090	ug/L	NC	20		
7314797	Dissolved Sodium (Na)	2021/04/23	NC	80 - 120	96	80 - 120	<100	ug/L	2.5	20		
7314797	Dissolved Strontium (Sr)	2021/04/23	NC	80 - 120	96	80 - 120	<1.0	ug/L				
7314797	Dissolved Tellurium (Te)	2021/04/23	104	80 - 120	97	80 - 120	<1.0	ug/L				



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7314797	Dissolved Thallium (Tl)	2021/04/23	98	80 - 120	98	80 - 120	<0.050	ug/L	NC	20		
7314797	Dissolved Tin (Sn)	2021/04/23	106	80 - 120	101	80 - 120	<1.0	ug/L				
7314797	Dissolved Titanium (Ti)	2021/04/23	100	80 - 120	100	80 - 120	<5.0	ug/L				
7314797	Dissolved Tungsten (W)	2021/04/23	100	80 - 120	96	80 - 120	<1.0	ug/L				
7314797	Dissolved Uranium (U)	2021/04/23	102	80 - 120	99	80 - 120	<0.10	ug/L	1.5	20		
7314797	Dissolved Vanadium (V)	2021/04/23	99	80 - 120	96	80 - 120	<0.50	ug/L	NC	20		
7314797	Dissolved Zinc (Zn)	2021/04/23	94	80 - 120	96	80 - 120	<5.0	ug/L	NC	20		
7314797	Dissolved Zirconium (Zr)	2021/04/23	108	80 - 120	101	80 - 120	<1.0	ug/L				
7314803	Dissolved Aluminum (Al)	2021/04/28	101	80 - 120	100	80 - 120	<4.9	ug/L	NC	20		
7314803	Dissolved Antimony (Sb)	2021/04/28	100	80 - 120	97	80 - 120	<0.50	ug/L	NC	20		
7314803	Dissolved Arsenic (As)	2021/04/28	97	80 - 120	99	80 - 120	<1.0	ug/L	NC	20		
7314803	Dissolved Barium (Ba)	2021/04/28	98	80 - 120	97	80 - 120	<2.0	ug/L	5.0	20		
7314803	Dissolved Beryllium (Be)	2021/04/28	99	80 - 120	103	80 - 120	<0.40	ug/L	NC	20		
7314803	Dissolved Bismuth (Bi)	2021/04/28	94	80 - 120	94	80 - 120	<1.0	ug/L	NC	20		
7314803	Dissolved Boron (B)	2021/04/28	92	80 - 120	98	80 - 120	<10	ug/L	3.6	20		
7314803	Dissolved Cadmium (Cd)	2021/04/28	97	80 - 120	97	80 - 120	<0.090	ug/L	NC	20		
7314803	Dissolved Calcium (Ca)	2021/04/28	NC	80 - 120	103	80 - 120	<200	ug/L	1.5	20		
7314803	Dissolved Chromium (Cr)	2021/04/28	95	80 - 120	96	80 - 120	<5.0	ug/L	NC	20		
7314803	Dissolved Cobalt (Co)	2021/04/28	96	80 - 120	99	80 - 120	<0.50	ug/L	NC	20		
7314803	Dissolved Copper (Cu)	2021/04/28	96	80 - 120	98	80 - 120	<0.90	ug/L	NC	20		
7314803	Dissolved Iron (Fe)	2021/04/28	94	80 - 120	97	80 - 120	<100	ug/L	NC	20		
7314803	Dissolved Lead (Pb)	2021/04/28	95	80 - 120	96	80 - 120	<0.50	ug/L	NC	20		
7314803	Dissolved Lithium (Li)	2021/04/28	98	80 - 120	106	80 - 120	<5.0	ug/L	1.8	20		
7314803	Dissolved Magnesium (Mg)	2021/04/28	NC	80 - 120	101	80 - 120	<50	ug/L	3.6	20		
7314803	Dissolved Manganese (Mn)	2021/04/28	94	80 - 120	97	80 - 120	<2.0	ug/L	NC	20		
7314803	Dissolved Molybdenum (Mo)	2021/04/28	99	80 - 120	95	80 - 120	<0.50	ug/L	3.9	20		
7314803	Dissolved Nickel (Ni)	2021/04/28	94	80 - 120	97	80 - 120	<1.0	ug/L	NC	20		
7314803	Dissolved Phosphorus (P)	2021/04/28	98	80 - 120	101	80 - 120	<100	ug/L	NC	20		
7314803	Dissolved Potassium (K)	2021/04/28	100	80 - 120	97	80 - 120	<200	ug/L	0.70	20		
7314803	Dissolved Selenium (Se)	2021/04/28	100	80 - 120	101	80 - 120	<2.0	ug/L	NC	20		
7314803	Dissolved Silicon (Si)	2021/04/28	107	80 - 120	102	80 - 120	<50	ug/L	2.0	20		





BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7314803	Dissolved Silver (Ag)	2021/04/28	75 (2)	80 - 120	87	80 - 120	<0.090	ug/L	NC	20		
7314803	Dissolved Sodium (Na)	2021/04/28	NC	80 - 120	96	80 - 120	<100	ug/L	4.5	20		
7314803	Dissolved Strontium (Sr)	2021/04/28	NC	80 - 120	95	80 - 120	<1.0	ug/L	2.4	20		
7314803	Dissolved Tellurium (Te)	2021/04/28	95	80 - 120	96	80 - 120	<1.0	ug/L	NC	20		
7314803	Dissolved Thallium (Tl)	2021/04/28	94	80 - 120	99	80 - 120	<0.050	ug/L	NC	20		
7314803	Dissolved Tin (Sn)	2021/04/28	99	80 - 120	96	80 - 120	<1.0	ug/L	NC	20		
7314803	Dissolved Titanium (Ti)	2021/04/28	99	80 - 120	95	80 - 120	<5.0	ug/L	NC	20		
7314803	Dissolved Tungsten (W)	2021/04/28	101	80 - 120	100	80 - 120	<1.0	ug/L	NC	20		
7314803	Dissolved Uranium (U)	2021/04/28	96	80 - 120	100	80 - 120	<0.10	ug/L	7.7	20		
7314803	Dissolved Vanadium (V)	2021/04/28	98	80 - 120	98	80 - 120	<0.50	ug/L	NC	20		
7314803	Dissolved Zinc (Zn)	2021/04/28	94	80 - 120	97	80 - 120	<5.0	ug/L	NC	20		
7314803	Dissolved Zirconium (Zr)	2021/04/28	102	80 - 120	99	80 - 120	<1.0	ug/L	NC	20		
7315010	Phenols-4AAP	2021/04/24	100	80 - 120	98	80 - 120	<0.0010	mg/L	NC	20		
7315013	Phenols-4AAP	2021/04/24	102	80 - 120	100	80 - 120	<0.0010	mg/L	NC	20		
7315260	Total Organic Carbon (TOC)	2021/04/23	95	80 - 120	98	80 - 120	<0.40	mg/L	0.55	20		
7315262	Total Organic Carbon (TOC)	2021/04/24	95	80 - 120	100	80 - 120	<0.40	mg/L	0.34	20		
7315265	Total Kjeldahl Nitrogen (TKN)	2021/04/23	97	80 - 120	93	80 - 120	<0.10	mg/L	4.7	20	94	80 - 120
7315413	Nitrate (N)	2021/04/23	103	80 - 120	101	80 - 120	<0.10	mg/L	NC	20		
7315413	Nitrite (N)	2021/04/23	101	80 - 120	103	80 - 120	<0.010	mg/L	6.8	20		
7315509	Alkalinity (Total as CaCO3)	2021/04/23			97	85 - 115	<1.0	mg/L	1.4	20		
7315534	pH	2021/04/23			102	98 - 103			0.19	N/A		
7315535	Conductivity	2021/04/23			101	85 - 115	<1.0	umho/cm	0.16	25		
7315536	Fluoride (F-)	2021/04/23	88	80 - 120	104	80 - 120	<0.10	mg/L	0	20		
7315539	Total Dissolved Solids	2021/04/26					<10	mg/L	0	25	98	90 - 110
7315617	Total Kjeldahl Nitrogen (TKN)	2021/04/26	NC	80 - 120	96	80 - 120	<0.10	mg/L	16	20	97	80 - 120
7315624	Total Ammonia-N	2021/04/27	NC	75 - 125	100	80 - 120	<0.050	mg/L	0.56	20		
7315628	Total Ammonia-N	2021/04/26	99	75 - 125	100	80 - 120	<0.050	mg/L	NC	20		
7316067	Fluoride (F-)	2021/04/26	97	80 - 120	101	80 - 120	<0.10	mg/L	2.8	20		
7316072	Alkalinity (Total as CaCO3)	2021/04/26			94	85 - 115	<1.0	mg/L	0.51	20		
7316074	pH	2021/04/26			102	98 - 103			0.29	N/A		



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7316078	Conductivity	2021/04/26			100	85 - 115	<1.0	umho/cm	0	25		
7316103	Nitrate (N)	2021/04/26	100	80 - 120	100	80 - 120	<0.10	mg/L	NC	20		
7316103	Nitrite (N)	2021/04/26	102	80 - 120	102	80 - 120	<0.010	mg/L	NC	20		
7316114	Nitrate (N)	2021/04/26	NC	80 - 120	99	80 - 120	<0.10	mg/L	1.5	20		
7316114	Nitrite (N)	2021/04/26	103	80 - 120	103	80 - 120	<0.010	mg/L	NC	20		
7316132	Orthophosphate (P)	2021/04/26	105	75 - 125	101	80 - 120	<0.010	mg/L	1.8	25		
7316138	Orthophosphate (P)	2021/04/26	106	75 - 125	101	80 - 120	<0.010	mg/L	16	25		
7316147	Dissolved Bromide (Br-)	2021/04/26	111	80 - 120	113	80 - 120	<1.0	mg/L	NC	20		
7316147	Dissolved Chloride (Cl-)	2021/04/26	NC	80 - 120	99	70 - 130	<1.0	mg/L	2.9	20		
7316147	Dissolved Sulphate (SO4)	2021/04/26	NC	80 - 120	102	80 - 120	<1.0	mg/L	3.2	20		
7316189	Dissolved Bromide (Br-)	2021/04/27	106	80 - 120	109	80 - 120	<1.0	mg/L	NC	20		
7316189	Dissolved Chloride (Cl-)	2021/04/27	NC	80 - 120	96	70 - 130	<1.0	mg/L	0.69	20		
7316189	Dissolved Sulphate (SO4)	2021/04/27	NC	80 - 120	98	80 - 120	<1.0	mg/L	4.8	20		
7316262	Fluoride (F-)	2021/04/26	28 (2)	80 - 120	98	80 - 120	<0.10	mg/L	7.5	20		
7316272	pH	2021/04/26			102	98 - 103			0.088	N/A		
7316275	Alkalinity (Total as CaCO3)	2021/04/26			94	85 - 115	<1.0	mg/L	1.7	20		
7316279	Conductivity	2021/04/26			101	85 - 115	<1.0	umho/cm	0.076	25		
7317387	Total Dissolved Solids	2021/04/26					<10	mg/L	3.9	25	98	90 - 110
7319009	a-Chlordane	2021/04/28	91	50 - 130	94	50 - 130	<0.005	ug/L	NC	30		
7319009	Aldrin	2021/04/28	80	50 - 130	79	50 - 130	<0.005	ug/L	NC	30		
7319009	alpha-BHC	2021/04/28	86	30 - 130	93	30 - 130	<0.005	ug/L	NC	40		
7319009	Aroclor 1242	2021/04/28					<0.05	ug/L	NC	30		
7319009	Aroclor 1248	2021/04/28					<0.05	ug/L	NC	30		
7319009	Aroclor 1254	2021/04/28					<0.05	ug/L	NC	30		
7319009	Aroclor 1260	2021/04/28					<0.05	ug/L	NC	30		
7319009	beta-BHC	2021/04/28	83	30 - 130	86	30 - 130	<0.005	ug/L	NC	40		
7319009	Dieldrin	2021/04/28	106	50 - 130	112	50 - 130	<0.005	ug/L	NC	30		
7319009	Endosulfan I (alpha)	2021/04/28	80	50 - 130	87	50 - 130	<0.005	ug/L	NC	30		
7319009	Endosulfan II (beta)	2021/04/28	87	50 - 130	92	50 - 130	<0.005	ug/L	NC	30		



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7319009	Endrin aldehyde	2021/04/28	85	30 - 130	98	30 - 130	<0.005	ug/L	NC	40		
7319009	Endrin ketone	2021/04/28	100	30 - 130	106	30 - 130	<0.005	ug/L	NC	40		
7319009	Endrin	2021/04/28	96	50 - 130	102	50 - 130	<0.005	ug/L	NC	30		
7319009	g-Chlordane	2021/04/28	94	50 - 130	96	50 - 130	<0.005	ug/L	NC	30		
7319009	Heptachlor epoxide	2021/04/28	91	50 - 130	95	50 - 130	<0.005	ug/L	NC	30		
7319009	Heptachlor	2021/04/28	84	50 - 130	86	50 - 130	<0.005	ug/L	NC	30		
7319009	Hexachlorobenzene	2021/04/28	80	50 - 130	89	50 - 130	<0.005	ug/L	NC	30		
7319009	Hexachlorobutadiene	2021/04/28	80	50 - 130	92	50 - 130	<0.009	ug/L	NC	30		
7319009	Hexachloroethane	2021/04/28	70	50 - 130	78	50 - 130	<0.01	ug/L	NC	30		
7319009	Lindane	2021/04/28	89	50 - 130	95	50 - 130	<0.003	ug/L	NC	30		
7319009	Methoxychlor	2021/04/28	113	50 - 130	119	50 - 130	<0.01	ug/L	NC	30		
7319009	Mirex	2021/04/28	93	30 - 130	95	30 - 130	<0.005	ug/L	NC	40		
7319009	o,p-DDD	2021/04/28	105	50 - 130	108	50 - 130	<0.005	ug/L	NC	30		
7319009	o,p-DDE	2021/04/28	91	50 - 130	93	50 - 130	<0.005	ug/L	NC	30		
7319009	o,p-DDT	2021/04/28	102	50 - 130	104	50 - 130	<0.005	ug/L	NC	30		
7319009	p,p-DDD	2021/04/28	106	50 - 130	105	50 - 130	<0.005	ug/L	NC	30		
7319009	p,p-DDE	2021/04/28	80	50 - 130	84	50 - 130	<0.005	ug/L	NC	30		
7319009	p,p-DDT	2021/04/28	100	50 - 130	106	50 - 130	<0.005	ug/L	NC	30		
7319009	Toxaphene	2021/04/28					<0.2	ug/L	NC	40		
7320061	1,2,3,4-Tetrachlorobenzene	2021/04/28	60	30 - 130	50	30 - 130	<0.50	ug/L	NC	40		
7320061	1,2,3,5-Tetrachlorobenzene	2021/04/28	60	30 - 130	55	30 - 130	<0.50	ug/L	NC	40		
7320061	1,2,3-Trichlorobenzene	2021/04/28	52	30 - 130	56	30 - 130	<0.50	ug/L	NC	40		
7320061	1,2,4,5-Tetrachlorobenzene	2021/04/28	56	30 - 130	52	30 - 130	<0.50	ug/L	NC	40		
7320061	1,2,4-Trichlorobenzene	2021/04/28	50	30 - 130	52	30 - 130	<0.50	ug/L	NC	40		
7320061	1,2-Dichlorobenzene	2021/04/28	51	30 - 130	52	30 - 130	<0.50	ug/L	NC	40		
7320061	1,3,5-Trichlorobenzene	2021/04/28	62	30 - 130	63	30 - 130	<0.50	ug/L	NC	40		
7320061	1,3-Dichlorobenzene	2021/04/28	41	30 - 130	46	30 - 130	<0.50	ug/L	NC	40		
7320061	1,4-Dichlorobenzene	2021/04/28	46	30 - 130	49	30 - 130	<0.50	ug/L	NC	40		
7320061	1-Chloronaphthalene	2021/04/28	69	30 - 130	56	30 - 130	<1.0	ug/L	NC	40		
7320061	1-Methylnaphthalene	2021/04/28	83	30 - 130	81	30 - 130	<0.20	ug/L	NC	40		
7320061	2,3,4,5-Tetrachlorophenol	2021/04/28	104	10 - 130	82	10 - 130	<0.40	ug/L	NC	40		



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7320061	2,3,4,6-Tetrachlorophenol	2021/04/28	121	10 - 130	99	10 - 130	<0.50	ug/L	NC	40		
7320061	2,3,4-Trichlorophenol	2021/04/28	103	10 - 130	81	10 - 130	<0.50	ug/L	NC	40		
7320061	2,3,5,6-Tetrachlorophenol	2021/04/28	130	10 - 130	94	10 - 130	<0.50	ug/L	NC	40		
7320061	2,3,5-Trichlorophenol	2021/04/28	107	10 - 130	81	10 - 130	<0.50	ug/L	NC	40		
7320061	2,3,6-Trichlorophenol	2021/04/28	106	10 - 130	81	10 - 130	<0.50	ug/L	NC	40		
7320061	2,3-Dichlorophenol	2021/04/28	78	10 - 130	74	10 - 130	<0.50	ug/L	NC	40		
7320061	2,4,5-Trichlorophenol	2021/04/28	114	10 - 130	86	10 - 130	<0.50	ug/L	NC	40		
7320061	2,4,6-Trichlorophenol	2021/04/28	103	10 - 130	83	10 - 130	<0.50	ug/L	NC	40		
7320061	2,4-Dichlorophenol	2021/04/28	85	10 - 130	76	10 - 130	<0.30	ug/L	NC	40		
7320061	2,4-Dimethylphenol	2021/04/28	48	10 - 130	55	10 - 130	<0.50	ug/L	NC	40		
7320061	2,4-Dinitrophenol	2021/04/28	78	10 - 130	87	10 - 130	<2.0	ug/L	NC	40		
7320061	2,4-Dinitrotoluene	2021/04/28	110	30 - 130	97	30 - 130	<0.50	ug/L	NC	40		
7320061	2,5-Dichlorophenol	2021/04/28	77	10 - 130	78	10 - 130	<0.50	ug/L	NC	40		
7320061	2,6-Dichlorophenol	2021/04/28	81	10 - 130	82	10 - 130	<0.50	ug/L	NC	40		
7320061	2,6-Dinitrotoluene	2021/04/28	93	30 - 130	84	30 - 130	<0.50	ug/L	NC	40		
7320061	2-Chloronaphthalene	2021/04/28	92	30 - 130	75	30 - 130	<0.50	ug/L	NC	40		
7320061	2-Chlorophenol	2021/04/28	67	10 - 130	78	10 - 130	<0.30	ug/L	NC	40		
7320061	2-Methylnaphthalene	2021/04/28	76	30 - 130	74	30 - 130	<0.20	ug/L	NC	40		
7320061	2-Nitrophenol	2021/04/28	67	10 - 130	80	10 - 130	<0.50	ug/L	NC	40		
7320061	3,3'-Dichlorobenzidine	2021/04/28	0.00 (2)	30 - 130	75	30 - 130	<0.50	ug/L	NC	40		
7320061	3,4,5-Trichlorophenol	2021/04/28	109	10 - 130	89	10 - 130	<0.50	ug/L	NC	40		
7320061	3,4-Dichlorophenol	2021/04/28	116	10 - 130	93	10 - 130	<0.50	ug/L	NC	40		
7320061	3,5-Dichlorophenol	2021/04/28	132 (2)	10 - 130	104	10 - 130	<0.50	ug/L	NC	40		
7320061	4,6-Dinitro-2-methylphenol	2021/04/28	118	10 - 130	112	10 - 130	<2.0	ug/L	NC	40		
7320061	4-Bromophenyl phenyl ether	2021/04/28	102	30 - 130	79	30 - 130	<0.30	ug/L	NC	40		
7320061	4-Chloro-3-Methylphenol	2021/04/28	104	10 - 130	89	10 - 130	<0.50	ug/L	NC	40		
7320061	4-Chlorophenyl phenyl ether	2021/04/28	99	30 - 130	78	30 - 130	<0.50	ug/L	NC	40		
7320061	4-Nitrophenol	2021/04/28	49	10 - 130	46	10 - 130	<1.4	ug/L	NC	40		
7320061	5-Nitroacenaphthene	2021/04/28	111	30 - 130	95	30 - 130	<1.0	ug/L				
7320061	Acenaphthene	2021/04/28	105	30 - 130	85	30 - 130	<0.20	ug/L	NC	40		
7320061	Acenaphthylene	2021/04/28	96	30 - 130	81	30 - 130	<0.20	ug/L	NC	40		



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7320061	Anthracene	2021/04/28	118	30 - 130	91	30 - 130	<0.20	ug/L	NC	40		
7320061	Benzo(a)anthracene	2021/04/28	121	30 - 130	98	30 - 130	<0.20	ug/L	NC	40		
7320061	Benzo(a)pyrene	2021/04/28	104	30 - 130	91	30 - 130	<0.20	ug/L	NC	40		
7320061	Benzo(b,j)fluoranthene	2021/04/28	115	30 - 130	97	30 - 130	<0.20	ug/L	NC	40		
7320061	Benzo(g,h,i)perylene	2021/04/28	113	30 - 130	100	30 - 130	<0.20	ug/L	NC	40		
7320061	Benzo(k)fluoranthene	2021/04/28	121	30 - 130	102	30 - 130	<0.20	ug/L	NC	40		
7320061	Benzyl butyl phthalate	2021/04/28	126	30 - 130	105	30 - 130	<0.50	ug/L	NC	40		
7320061	Biphenyl	2021/04/28	92	30 - 130	74	30 - 130	<0.50	ug/L	NC	40		
7320061	Bis(2-chloroethoxy)methane	2021/04/28	68	30 - 130	76	30 - 130	<0.50	ug/L	NC	40		
7320061	Bis(2-chloroethyl)ether	2021/04/28	71	30 - 130	82	30 - 130	<0.50	ug/L	NC	40		
7320061	Bis(2-chloroisopropyl)ether	2021/04/28	62	30 - 130	73	30 - 130	<0.50	ug/L	NC	40		
7320061	Bis(2-ethylhexyl)phthalate	2021/04/28	125	30 - 130	104	30 - 130	<2.0	ug/L	NC	40		
7320061	Chrysene	2021/04/28	127	30 - 130	101	30 - 130	<0.20	ug/L	NC	40		
7320061	Dibenzo(a,h)anthracene	2021/04/28	110	30 - 130	101	30 - 130	<0.20	ug/L	NC	40		
7320061	Diethyl phthalate	2021/04/28	114	30 - 130	94	30 - 130	<1.0	ug/L	NC	40		
7320061	Dimethyl phthalate	2021/04/28	106	30 - 130	88	30 - 130	<1.0	ug/L	NC	40		
7320061	Di-N-butyl phthalate	2021/04/28	147 (2)	30 - 130	105	30 - 130	<2.0	ug/L	NC	40		
7320061	di-n-octyl phthalate	2021/04/28	126	30 - 130	103	30 - 130	<0.80	ug/L	NC	40		
7320061	Diphenyl Ether	2021/04/28	69	30 - 130	61	30 - 130	<0.30	ug/L	NC	40		
7320061	Fluoranthene	2021/04/28	141 (2)	30 - 130	96	30 - 130	<0.20	ug/L	NC	40		
7320061	Fluorene	2021/04/28	113	30 - 130	87	30 - 130	<0.20	ug/L	NC	40		
7320061	Hexachlorobenzene	2021/04/28	105	30 - 130	83	30 - 130	<0.50	ug/L	NC	40		
7320061	Hexachlorobutadiene	2021/04/28	39	30 - 130	40	30 - 130	<0.40	ug/L	NC	40		
7320061	Hexachlorocyclopentadiene	2021/04/28	52	30 - 130	47	30 - 130	<2.0	ug/L	NC	40		
7320061	Hexachloroethane	2021/04/28	37	30 - 130	43	30 - 130	<0.50	ug/L	NC	40		
7320061	Indeno(1,2,3-cd)pyrene	2021/04/28	113	30 - 130	95	30 - 130	<0.20	ug/L	NC	40		
7320061	Isophorone	2021/04/28	95	30 - 130	104	30 - 130	<0.50	ug/L	NC	40		
7320061	m/p-Cresol	2021/04/28	74	10 - 130	71	10 - 130	<0.50	ug/L	NC	40		
7320061	Naphthalene	2021/04/28	62	30 - 130	65	30 - 130	<0.20	ug/L	NC	40		
7320061	Nitrobenzene	2021/04/28	74	30 - 130	82	30 - 130	<0.50	ug/L	NC	40		
7320061	Nitrosodiphenylamine/Diphenylamine	2021/04/28	126	30 - 130	99	30 - 130	<1.0	ug/L	NC	40		



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7320061	N-Nitroso-di-n-propylamine	2021/04/28	99	30 - 130	105	30 - 130	<0.50	ug/L	NC	40		
7320061	o-Cresol	2021/04/28	70	10 - 130	74	10 - 130	<0.50	ug/L	NC	40		
7320061	p-Chloroaniline	2021/04/28	30	30 - 130	92	30 - 130	<1.0	ug/L	NC	40		
7320061	Pentachlorobenzene	2021/04/28	85	30 - 130	62	30 - 130	<0.50	ug/L	NC	40		
7320061	Pentachlorophenol	2021/04/28	116	10 - 130	81	10 - 130	<1.0	ug/L	NC	40		
7320061	Perylene	2021/04/28	113	30 - 130	93	30 - 130	<0.20	ug/L	NC	40		
7320061	Phenanthrene	2021/04/28	138 (2)	30 - 130	93	30 - 130	<0.20	ug/L	NC	40		
7320061	Phenol	2021/04/28	35	10 - 130	39	10 - 130	<0.50	ug/L	NC	40		
7320061	Pyrene	2021/04/28	138 (2)	30 - 130	104	30 - 130	<0.20	ug/L	NC	40		
7325001	Dissolved Aluminum (Al)	2021/04/29	118	80 - 120	95	80 - 120	<4.9	ug/L				
7325001	Dissolved Antimony (Sb)	2021/04/30	105	80 - 120	100	80 - 120	<0.50	ug/L	NC	20		
7325001	Dissolved Arsenic (As)	2021/04/30	99	80 - 120	101	80 - 120	<1.0	ug/L	NC	20		
7325001	Dissolved Barium (Ba)	2021/04/30	104	80 - 120	99	80 - 120	<2.0	ug/L	1.0	20		
7325001	Dissolved Beryllium (Be)	2021/04/30	96	80 - 120	96	80 - 120	<0.40	ug/L	NC	20		
7325001	Dissolved Bismuth (Bi)	2021/04/29	87	80 - 120	95	80 - 120	<1.0	ug/L				
7325001	Dissolved Boron (B)	2021/04/30	91	80 - 120	93	80 - 120	<10	ug/L	4.0	20		
7325001	Dissolved Cadmium (Cd)	2021/04/30	96	80 - 120	98	80 - 120	<0.090	ug/L	NC	20		
7325001	Dissolved Calcium (Ca)	2021/04/29	NC	80 - 120	93	80 - 120	<200	ug/L				
7325001	Dissolved Chromium (Cr)	2021/04/30	102	80 - 120	99	80 - 120	<5.0	ug/L	NC	20		
7325001	Dissolved Cobalt (Co)	2021/04/30	96	80 - 120	97	80 - 120	<0.50	ug/L	7.3	20		
7325001	Dissolved Copper (Cu)	2021/04/30	100	80 - 120	99	80 - 120	<0.90	ug/L	3.0	20		
7325001	Dissolved Iron (Fe)	2021/04/29	99	80 - 120	99	80 - 120	<100	ug/L				
7325001	Dissolved Lead (Pb)	2021/04/30	88	80 - 120	94	80 - 120	<0.50	ug/L	NC	20		
7325001	Dissolved Lithium (Li)	2021/04/29	106	80 - 120	99	80 - 120	<5.0	ug/L				
7325001	Dissolved Magnesium (Mg)	2021/04/29	NC	80 - 120	103	80 - 120	<50	ug/L				
7325001	Dissolved Manganese (Mn)	2021/04/29	100	80 - 120	101	80 - 120	<2.0	ug/L				
7325001	Dissolved Molybdenum (Mo)	2021/04/30	107	80 - 120	97	80 - 120	<0.50	ug/L	4.3	20		
7325001	Dissolved Nickel (Ni)	2021/04/30	93	80 - 120	99	80 - 120	<1.0	ug/L	7.4	20		
7325001	Dissolved Phosphorus (P)	2021/04/29	133 (2)	80 - 120	105	80 - 120	<100	ug/L				
7325001	Dissolved Potassium (K)	2021/04/29	108	80 - 120	102	80 - 120	<200	ug/L				
7325001	Dissolved Selenium (Se)	2021/04/30	96	80 - 120	94	80 - 120	<2.0	ug/L	NC	20		



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7325001	Dissolved Silicon (Si)	2021/04/29	117	80 - 120	94	80 - 120	<50	ug/L				
7325001	Dissolved Silver (Ag)	2021/04/30	90	80 - 120	95	80 - 120	<0.090	ug/L	NC	20		
7325001	Dissolved Sodium (Na)	2021/04/30	NC	80 - 120	101	80 - 120	<100	ug/L	2.2	20		
7325001	Dissolved Strontium (Sr)	2021/04/29	NC	80 - 120	101	80 - 120	<1.0	ug/L				
7325001	Dissolved Tellurium (Te)	2021/04/29	97	80 - 120	100	80 - 120	<1.0	ug/L				
7325001	Dissolved Thallium (Tl)	2021/04/30	89	80 - 120	96	80 - 120	<0.050	ug/L	NC	20		
7325001	Dissolved Tin (Sn)	2021/04/29	106	80 - 120	100	80 - 120	<1.0	ug/L				
7325001	Dissolved Titanium (Ti)	2021/04/29	102	80 - 120	94	80 - 120	<5.0	ug/L				
7325001	Dissolved Tungsten (W)	2021/04/29	97	80 - 120	94	80 - 120	<1.0	ug/L				
7325001	Dissolved Uranium (U)	2021/04/30	93	80 - 120	96	80 - 120	<0.10	ug/L	0.58	20		
7325001	Dissolved Vanadium (V)	2021/04/30	107	80 - 120	101	80 - 120	<0.50	ug/L	3.5	20		
7325001	Dissolved Zinc (Zn)	2021/04/30	91	80 - 120	99	80 - 120	<5.0	ug/L	NC	20		
7325001	Dissolved Zirconium (Zr)	2021/04/29	114	80 - 120	102	80 - 120	<1.0	ug/L				

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

(1) The recovery was below the lower control limit. This may represent a low bias in some results for this specific analyte.

(2) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.



BUREAU  
VERITAS

BV Labs Job #: C1A6137  
Report Date: 2021/04/30

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: BM

### VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

---

Brad Newman, B.Sc., C.Chem., Scientific Service Specialist

---

Eva Pranjic, M.Sc., C.Chem, Scientific Specialist

---

BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.





Bureau Veritas Laboratories  
6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: (905) 817-5700 Toll-free 800-563-6266 Fax: (905) 817-5777 www.bvlabs.com

21-Apr-21 15:15  
Jolanta Goralczyk  
C1A6137

Page 10/14

INVOICE TO:		REPORT TO:		PROJECT INFORMATION:	
Company Name: #16786 Terrapure Environmental		Company Name: Brad Mullin - GHD Reporting		Quotation #: B60569	
Attention: Accounting		Attention: Brad Mullin - GHD Reporting		P.O. #: GW	
Address: 65 Green Mountain Rd West		Address:		Project: GW	
Address: Stoney Creek ON L8J 1X5		Address:		Project Name: IA5 ENV-1377	
Tel: (905) 561-0305 Fax: (905) 561-1674		Tel: Fax:		COC #: C#819873-08-01	
Email: kbailey@terrapureenv.com		Email: bmullin@terrapureenv.com; dtaylor2@terrapureenv.com		Sampled By:	

MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BV LABS DRINKING WATER CHAIN OF CUSTODY				ANALYSIS REQUESTED (PLEASE BE SPECIFIC)							Turnaround Time (TAT) Required:	
Regulation 153 (2011)		Other Regulations		Special Instructions		Field Filled (please circle): Metals: Hg / Cr / V	Lit "A" GW Monitoring	Lit "B" GW Monitoring	Biochemical Oxygen Demand (BOD)	Regular (Standard) TAT:		
<input type="checkbox"/> Table 1	<input type="checkbox"/> Res/Park	<input type="checkbox"/> Medium/Fine	<input type="checkbox"/> CCME	<input type="checkbox"/> Sanitary Sewer Bylaw						Please provide advance notice for rush projects		
<input type="checkbox"/> Table 2	<input type="checkbox"/> Ind/Comm	<input type="checkbox"/> Coarse	<input type="checkbox"/> Reg 558	<input type="checkbox"/> Storm Sewer Bylaw							<input checked="" type="checkbox"/>	
<input type="checkbox"/> Table 3	<input type="checkbox"/> Agri/Other	<input type="checkbox"/> For RSC	<input type="checkbox"/> MISA	Municipality _____							<input type="checkbox"/>	
<input type="checkbox"/> Table _____			<input type="checkbox"/> PWQG	Reg 406 Table _____							<input type="checkbox"/>	
Include Criteria on Certificate of Analysis (Y/N)?												
Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix							# of Bottles	Comments
1	P3-II	21/04/20	AM	GW	Y	X					6	
2	43-I			GW	Y	X					6	
3	43-II			GW	Y	X					6	
4	2-IV			GW	Y	X					6	
5	G11			GW	Y	X					6	
6	57-IR			GW	Y	X					6	
7	57-II			GW	Y	X	X	X			15	
8	G13			GW	Y	X	X				14	
9	75-I			GW	Y	X	X				14	
10	75-II			GW	Y	X	X				14	

RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Laboratory Use Only				
<i>[Signature]</i>	21/04/21	AM	KAVITHASELVAN JK	21/04/21	15:15		Time Sensitive	Temperature (°C) on Receipt	Custody Seal Present	Yes	No
								ACTR	Intact	<input checked="" type="checkbox"/>	<input type="checkbox"/>

\* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BV LABS' STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVLABS.COM/TERMS-AND-CONDITIONS.

\* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.

\*\* SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVLABS.COM/RESOURCES/CHAIN-OF-CUSTODY-FORMS.

SAMPLES MUST BE KEPT COOL (< 10° C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS

White: BV Labs Yellow: Client



<b>INVOICE TO:</b> Company Name: #16786 Terrapure Environmental Attention: Accounting Address: 65 Green Mountain Rd West Stoney Creek ON L8J 1X5 Tel: (905) 561-0305 Fax: (905) 561-1674 Email: kbailey@terrapureenv.com		<b>REPORT TO:</b> Company Name: Brad Mullin - GHD Reporting Attention: Brad Mullin - GHD Reporting Address: Tel: Fax: Email: bmullin@terrapureenv.com; dtaylor2@terrapureenv.com		<b>PROJECT INFORMATION:</b> Quotation #: B60569 P.O. #: Project: GW Project Name: GW Site #: Sampled By:		<b>Laboratory Use Only:</b> BV Labs Job #: Bottle Order #: COC #: Project Manager: Jolanta Goralczyk C#819873-09-01	
--	--	--	--	--	--	--	--

MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BV LABS DRINKING WATER CHAIN OF CUSTODY						ANALYSIS REQUESTED (PLEASE BE SPECIFIC)										Turnaround Time (TAT) Required: Please provide advance notice for rush projects					
Regulation 153 (2011)		Other Regulations		Special Instructions		Field Filtered (please circle): Metals (Hg / Cr / V)	List "A" GW Monitoring	List "B" GW Monitoring	Biochemical Oxygen Demand (BOD)											Regular (Standard) TAT: (will be applied if Rush TAT is not specified): Standard TAT = 5-7 Working days for most tests. Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.	
Table 1	Res/Park	Medium/Fine	CCME	Sanitary Sewer Bylaw																Job Specific Rush TAT (if applies to entire submission) Date Required: _____ Time Required: _____ Rush Confirmation Number: _____ (call lab for #)	
Table 2	Ind/Comm	Coarse	Reg 558	Storm Sewer Bylaw																	
Table 3	Agri/Other	For RSC	MISA	Municipality																	
Table			PWQO	Reg 406 Table																	
Include Criteria on Certificate of Analysis (Y/N)?																					
Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix													# of Bottles	Comments			
1	75-III	21/04/20	AM	GW	Y	X	X										14				
2	41-I			GW	Y	X	X										14				
3	41-II			GW	Y	X	X										14				
4	41-III			GW	Y	X											6				
5	62-I			GW	Y	X											6				
6	62-II			GW	Y	X											6				
7	62-III			GW	Y	X											6				
8	62-IV			GW	Y	X											6				
9	4-III			GW	Y	X											6				
10	31-II			GW	Y	X											6				

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Laboratory Use Only				
<i>[Signature]</i>	21/04/21	AM	SEE PAGE 1				Time Sensitive	Temperature (°C) on Receptacle	Custody Seal	Yes	No
								ACT2	Present		
									Intact		

\* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BV LABS' STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVLABS.COM/TERMS-AND-CONDITIONS.

\*\* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.

\*\* SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVLABS.COM/RESOURCES/CHAIN-OF-CUSTODY-FORMS.

SAMPLES MUST BE KEPT COOL (< 10° C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS

White: BV Labs Yellow: Client





<b>INVOICE TO:</b>		<b>REPORT TO:</b>		<b>PROJECT INFORMATION:</b>		<b>Laboratory Use Only:</b>	
Company Name: #16786 Terrapure Environmental	Attention: Accounting	Address: 65 Green Mountain Rd West Stoney Creek ON L8J 1X5	Tel: (905) 561-0305 Fax: (905) 561-1674	Company Name: Brad Mullin - GHD Reporting	Attention: Brad Mullin - GHD Reporting	Address:	Tel: Fax:
Email: kbailey@terrapureenv.com		Email: bmullin@terrapureenv.com; dtaylor2@terrapureenv.com		Quotation #: B60569	P.O. #:	Project: GW	Site #:
				Sampled By:	BV Labs Job #:	Bottle Order #:	
					COC #:	Project Manager:	Jolanta Goralczyk

MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BV LABS DRINKING WATER CHAIN OF CUSTODY					ANALYSIS REQUESTED (PLEASE BE SPECIFIC)										Turnaround Time (TAT) Required: Please provide advance notice for rush projects									
Regulation 153 (2011)			Other Regulations			Special Instructions	Field Filtered (please circle): Metals / Cr / VI	List "A" GW Monitoring	List "B" GW Monitoring	Biochemical Oxygen Demand (BOD)														
<input type="checkbox"/> Table 1	<input type="checkbox"/> Res/Park	<input type="checkbox"/> Medium/Fine	<input type="checkbox"/> CCME	<input type="checkbox"/> Sanitary Sewer Bylaw																				
<input type="checkbox"/> Table 2	<input type="checkbox"/> Ind/Comm	<input type="checkbox"/> Coarse	<input type="checkbox"/> Reg 558	<input type="checkbox"/> Storm Sewer Bylaw																				
<input type="checkbox"/> Table 3	<input type="checkbox"/> Agri/Other	<input type="checkbox"/> For RSC	<input type="checkbox"/> MISA	Municipality _____																				
<input type="checkbox"/> Table _____			<input type="checkbox"/> PWQO	<input type="checkbox"/> Reg 406 Table _____																				
<input type="checkbox"/> Other _____																								
Include Criteria on Certificate of Analysis (Y/N)?																								
Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix																				
1	67-I	2/04/20	AM	GW	Y	X	X																	14
2	67-II			GW	Y	X	X																	14
3	67-III			GW	Y	X	X																	14
4	2-III			GW	Y	X																		6
5	36-I			GW	Y	X																		6
6	36-II			GW	Y	X																		6
7	36-III			GW	Y	X																		6
8	36-IV			GW	Y	X																		6
9	36-V			GW	Y	X																		6
10	P4-I			GW	Y	X																		6

* RELINQUISHED BY: (Signature/Print)		Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)		Date: (YY/MM/DD)	Time	# jars used and not submitted	Laboratory Use Only				
				SEE PAGE - 1					Time Sensitive	Temperature (°C) on Recept	Custody Seal Present	Yes	No
										ACTR	Intact		

\* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BV LABS' STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVLABS.COM/TERMS-AND-CONDITIONS.

\* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.

\*\* SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVLABS.COM/RESOURCES/CHAIN-OF-CUSTODY-FORMS.

SAMPLES MUST BE KEPT COOL (< 10° C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS

White: BV Labs Yellow: Client



INVOICE TO:	REPORT TO:	PROJECT INFORMATION:	Laboratory Use Only:
Company Name: #16786 Terrapure Environmental	Company Name: Brad Mullin - GHD Reporting	Quotation #: B60569	BV Labs Job #: <span style="border: 1px solid black; padding: 2px;"> </span> Bottle Order #: <span style="border: 1px solid black; padding: 2px;"> </span>
Attention: Accounting	Attention: Brad Mullin - GHD Reporting	P.O. #: <span style="border: 1px solid black; padding: 2px;"> </span>	 819873
Address: 65 Green Mountain Rd West Stoney Creek ON L8J 1X5	Address: <span style="border: 1px solid black; padding: 2px;"> </span>	Project: GW	
Tel: (905) 561-0305 Fax: (905) 561-1674	Tel: <span style="border: 1px solid black; padding: 2px;"> </span> Fax: <span style="border: 1px solid black; padding: 2px;"> </span>	Project Name: GW	COC #: <span style="border: 1px solid black; padding: 2px;"> </span> Project Manager: Jolanta Goralczyk
Email: kbailey@terrapureenv.com	Email: bmullin@terrapureenv.com; dtaylor2@terrapureenv.com	Site #: <span style="border: 1px solid black; padding: 2px;"> </span> Sampled By: <span style="border: 1px solid black; padding: 2px;"> </span>	 C#819873-11-01

MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BV LABS DRINKING WATER CHAIN OF CUSTODY						ANALYSIS REQUESTED (PLEASE BE SPECIFIC)					Turnaround Time (TAT) Required: <small>Please provide advance notice for rush projects</small>				
Regulation 153 (2011)		Other Regulations		Special Instructions		Field Filtered (please circle): (Metals - Hg / Cr VI)	List "A" GW Monitoring	List "B" GW Monitoring	Biochemical Oxygen Demand (BOD)					Regular (Standard) TAT: <small>(will be applied if Rush TAT is not specified)</small>	
<input type="checkbox"/> Table 1	<input type="checkbox"/> Res/Park	<input type="checkbox"/> Medium/Fine	<input type="checkbox"/> CCME	<input type="checkbox"/> Sanitary Sewer Bylaw											
<input type="checkbox"/> Table 2	<input type="checkbox"/> Ind/Comm	<input type="checkbox"/> Coarse	<input type="checkbox"/> Reg 558	<input type="checkbox"/> Storm Sewer Bylaw											
<input type="checkbox"/> Table 3	<input type="checkbox"/> Agri/Other	<input type="checkbox"/> For RSC	<input type="checkbox"/> MISA	Municipality _____											
<input type="checkbox"/> Table _____			<input type="checkbox"/> PWQO	Reg 406 Table _____											
<input type="checkbox"/> Other _____															
Include Criteria on Certificate of Analysis (Y/N)?															
Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix										# of Bottles	Comments
1	P4-II	21/04/20	AM	GW	Y	X								6	
2	P4-III	↓	↓	GW	Y	X								6	
3	68-10	↓	↓	GW	Y	X	X							14	
4															
5															
6															
7															
8															
9															
10															

* RELINQUISHED BY: (Signature/Print) 	Date: (YY/MM/DD) 21/04/21	Time AM	RECEIVED BY: (Signature/Print) SEE PAGE - 1	Date: (YY/MM/DD)	Time	# jars used and not submitted	Laboratory Use Only						
							Time Sensitive	Temperature (°C) on Receipt ACT2	Custody Seal Present	Yes	No		
<small>* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BV LABS' STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVLABS.COM/TERMS-AND-CONDITIONS.            * IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.            ** SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVLABS.COM/RESOURCES/CHAIN-OF-CUSTODY-FORMS.</small>							<small>SAMPLES MUST BE KEPT COOL (&lt; 10° C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS</small>				White: BV Labs	Yellow: Client	



Your Project #: GW

**Attention: Brad Mullin - GHD Reporting**

Terrapure Environmental  
65 Green Mountain Rd West  
Stoney Creek, ON  
CANADA L8J 1X5

Your C.O.C. #: 819873-12-01, 819873-13-01, 819873-14-01, 819873-15-01, 819873-17-01

**Report Date: 2021/05/04**  
Report #: R6621051  
Version: 1 - Final

**CERTIFICATE OF ANALYSIS**

**BV LABS JOB #: C1A7341**

**Received: 2021/04/22, 15:34**

Sample Matrix: Water  
# Samples Received: 41

<b>Analyses</b>	<b>Quantity</b>	<b>Date Extracted</b>	<b>Date Analyzed</b>	<b>Laboratory Method</b>	<b>Analytical Method</b>
ABN Compounds in Water by GC/MS	3	2021/04/30	2021/05/03	CAM SOP-00301	EPA 8270 m
Alkalinity	20	N/A	2021/04/23	CAM SOP-00448	SM 23 2320 B m
Alkalinity	20	N/A	2021/04/26	CAM SOP-00448	SM 23 2320 B m
Alkalinity	1	N/A	2021/05/03	CAM SOP-00448	SM 23 2320 B m
Anions	7	N/A	2021/04/27	CAM SOP-00435	SM 23 4110 B m
Anions	33	N/A	2021/04/28	CAM SOP-00435	SM 23 4110 B m
Anions	1	N/A	2021/05/03	CAM SOP-00435	SM 23 4110 B m
Conductivity	20	N/A	2021/04/23	CAM SOP-00414	SM 23 2510 m
Conductivity	21	N/A	2021/04/26	CAM SOP-00414	SM 23 2510 m
Fluoride	20	2021/04/23	2021/04/23	CAM SOP-00449	SM 23 4500-F C m
Fluoride	15	2021/04/23	2021/04/26	CAM SOP-00449	SM 23 4500-F C m
Fluoride	6	2021/04/24	2021/04/26	CAM SOP-00449	SM 23 4500-F C m
Hardness (calculated as CaCO3)	1	N/A	2021/04/27	CAM SOP 00102/00408/00447	SM 2340 B
Hardness (calculated as CaCO3)	20	N/A	2021/04/29	CAM SOP 00102/00408/00447	SM 2340 B
Hardness (calculated as CaCO3)	20	N/A	2021/04/30	CAM SOP 00102/00408/00447	SM 2340 B
Dissolved Metals by ICPMS	1	N/A	2021/04/27	CAM SOP-00447	EPA 6020B m
Dissolved Metals by ICPMS	22	N/A	2021/04/29	CAM SOP-00447	EPA 6020B m
Dissolved Metals by ICPMS	18	N/A	2021/04/30	CAM SOP-00447	EPA 6020B m
Total Ammonia-N	10	N/A	2021/04/27	CAM SOP-00441	USGS I-2522-90 m
Total Ammonia-N	31	N/A	2021/04/28	CAM SOP-00441	USGS I-2522-90 m
Nitrate (NO3) and Nitrite (NO2) in Water (1)	29	N/A	2021/04/26	CAM SOP-00440	SM 23 4500-NO3I/NO2B
Nitrate (NO3) and Nitrite (NO2) in Water (1)	11	N/A	2021/04/27	CAM SOP-00440	SM 23 4500-NO3I/NO2B
Nitrate (NO3) and Nitrite (NO2) in Water (1)	1	N/A	2021/04/28	CAM SOP-00440	SM 23 4500-NO3I/NO2B
OC Pesticides (Selected) & PCB (2)	3	2021/04/28	2021/04/29	CAM SOP-00307	EPA 8081A/8082B m



Your Project #: GW

**Attention: Brad Mullin - GHD Reporting**

Terrapure Environmental  
65 Green Mountain Rd West  
Stoney Creek, ON  
CANADA L8J 1X5

Your C.O.C. #: 819873-12-01, 819873-13-01, 819873-14-01, 819873-15-01, 819873-17-01

**Report Date: 2021/05/04**  
Report #: R6621051  
Version: 1 - Final

**CERTIFICATE OF ANALYSIS**

**BV LABS JOB #: C1A7341**

**Received: 2021/04/22, 15:34**

Sample Matrix: Water  
# Samples Received: 41

Analyses	Date		Laboratory Method	Analytical Method
	Quantity	Extracted		
OC Pesticides Summed Parameters	3	N/A	2021/04/25 CAM SOP-00307	EPA 8081A/8082B m
pH	20	2021/04/23	2021/04/23 CAM SOP-00413	SM 4500H+ B m
pH	15	2021/04/23	2021/04/26 CAM SOP-00413	SM 4500H+ B m
pH	6	2021/04/24	2021/04/26 CAM SOP-00413	SM 4500H+ B m
Phenols (4AAP)	4	N/A	2021/04/23 CAM SOP-00444	OMOE E3179 m
Phenols (4AAP)	5	N/A	2021/04/24 CAM SOP-00444	OMOE E3179 m
Phenols (4AAP)	20	N/A	2021/04/26 CAM SOP-00444	OMOE E3179 m
Phenols (4AAP)	12	N/A	2021/04/27 CAM SOP-00444	OMOE E3179 m
Orthophosphate	41	N/A	2021/04/26 CAM SOP-00461	EPA 365.1 m
Total Dissolved Solids	20	2021/04/23	2021/04/26 CAM SOP-00428	SM 23 2540C m
Total Dissolved Solids	21	2021/04/24	2021/04/26 CAM SOP-00428	SM 23 2540C m
Total Kjeldahl Nitrogen in Water	1	2021/04/23	2021/04/28 CAM SOP-00938	OMOE E3516 m
Total Kjeldahl Nitrogen in Water	9	2021/04/26	2021/04/27 CAM SOP-00938	OMOE E3516 m
Total Kjeldahl Nitrogen in Water	18	2021/04/26	2021/04/28 CAM SOP-00938	OMOE E3516 m
Total Kjeldahl Nitrogen in Water	13	2021/04/26	2021/04/29 CAM SOP-00938	OMOE E3516 m
Total Organic Carbon (TOC) (3)	1	N/A	2021/04/23 CAM SOP-00446	SM 23 5310B m
Total Organic Carbon (TOC) (3)	40	N/A	2021/04/27 CAM SOP-00446	SM 23 5310B m
Volatile Organic Compounds in Water	3	N/A	2021/04/24 CAM SOP-00226	EPA 8260C m
Non-Routine Volatile Organic Compounds	3	N/A	2021/04/24 CAM SOP-00226	EPA 8260 m

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

\* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) Values for calculated parameters may not appear to add up due to rounding of raw data and significant figures.

(2) Chlordane ( Total) = Alpha Chlordane + Gamma Chlordane

(3) Total Organic Carbon (TOC) present in the sample should be considered as non-purgeable TOC.





Your Project #: GW

**Attention: Brad Mullin - GHD Reporting**

Terrapure Environmental  
65 Green Mountain Rd West  
Stoney Creek, ON  
CANADA L8J 1X5

Your C.O.C. #: 819873-12-01, 819873-13-01, 819873-14-01, 819873-15-01, 819873-17-01

**Report Date: 2021/05/04**  
Report #: R6621051  
Version: 1 - Final

**CERTIFICATE OF ANALYSIS**

**BV LABS JOB #: C1A7341**

**Received: 2021/04/22, 15:34**

Encryption Key



**AUTHORIZED REPORT  
RAPPORT AUTORISÉ**

Bureau Veritas

04 May 2021 17:18:14

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

Jolanta Goralczyk, Project Manager

Email: Jolanta.Goralczyk@bureauveritas.com

Phone# (905)817-5751

=====

This report has been generated and distributed using a secure automated process.

BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

**RESULTS OF ANALYSES OF WATER**

BV Labs ID		PJS018			PJS018			PJS020		
Sampling Date		2021/04/21			2021/04/21			2021/04/21		
COC Number		819873-12-01			819873-12-01			819873-12-01		
	UNITS	49-II	RDL	QC Batch	49-II Lab-Dup	RDL	QC Batch	49-IV	RDL	QC Batch
<b>Calculated Parameters</b>										
Hardness (CaCO3)	mg/L	2200	1.0	7312475				1200	1.0	7312475
<b>Inorganics</b>										
Total Ammonia-N	mg/L	1.3	0.050	7320554	1.3	0.050	7320554	0.39	0.050	7320554
Conductivity	umho/cm	3900	1.0	7315600				3800	1.0	7315600
Total Dissolved Solids	mg/L	3200	10	7314915				2230	10	7314914
Fluoride (F-)	mg/L	1.3	0.10	7315601				1.4	0.10	7315601
Total Kjeldahl Nitrogen (TKN)	mg/L	1.5	0.10	7319050				0.48	0.10	7319050
Total Organic Carbon (TOC)	mg/L	2.7	0.40	7319696				2.9	0.40	7319696
Orthophosphate (P)	mg/L	0.014	0.010	7316138	0.011	0.010	7316138	<0.010	0.010	7316138
pH	pH	7.55		7315599				7.62		7315599
Phenols-4AAP	mg/L	<0.0010	0.0010	7314999				<0.0010	0.0010	7314999
Alkalinity (Total as CaCO3)	mg/L	360	1.0	7315541				320	1.0	7315541
Nitrite (N)	mg/L	<0.010	0.010	7316114				<0.010	0.010	7316114
Dissolved Chloride (Cl-)	mg/L	290	5.0	7316189				720	5.0	7316189
Nitrate (N)	mg/L	<0.10	0.10	7316114				<0.10	0.10	7316114
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	7316114				<0.10	0.10	7316114
Dissolved Bromide (Br-)	mg/L	<5.0	5.0	7316189				<5.0	5.0	7316189
Dissolved Sulphate (SO4)	mg/L	1800	5.0	7316189				710	5.0	7316189
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate										





BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PJS021			PJS022			PJS023		
Sampling Date		2021/04/21			2021/04/21			2021/04/21		
COC Number		819873-12-01			819873-12-01			819873-12-01		
	UNITS	49-V	RDL	QC Batch	60-I	RDL	QC Batch	60-II	RDL	QC Batch
<b>Calculated Parameters</b>										
Hardness (CaCO3)	mg/L	2200	1.0	7312475	1700	1.0	7312475	1400	1.0	7312475
<b>Inorganics</b>										
Total Ammonia-N	mg/L	1.4	0.050	7319134	5.5	0.050	7319134	2.7	0.050	7319134
Conductivity	umho/cm	3600	1.0	7315600	6000	1.0	7316078	3300	1.0	7316279
Total Dissolved Solids	mg/L	2930	10	7314914	3490	10	7314914	2180	10	7314914
Fluoride (F-)	mg/L	1.4	0.10	7315601	0.68	0.10	7316067	0.95	0.10	7316262
Total Kjeldahl Nitrogen (TKN)	mg/L	1.6	0.10	7319691	5.8	1.0	7319691	3.0	0.10	7319691
Total Organic Carbon (TOC)	mg/L	3.5	0.40	7319696	8.9	0.40	7319696	3.1	0.40	7319696
Orthophosphate (P)	mg/L	0.017	0.010	7316127	<0.010	0.010	7316138	<0.010	0.010	7316138
pH	pH	7.60		7315599	7.76		7316074	7.84		7316272
Phenols-4AAP	mg/L	<0.0010	0.0010	7310091	<0.0010	0.0010	7315039	<0.0010	0.0010	7314999
Alkalinity (Total as CaCO3)	mg/L	370	1.0	7315541	150	1.0	7316072	240	1.0	7316275
Nitrite (N)	mg/L	<0.010	0.010	7316113	<0.010	0.010	7316097	<0.010	0.010	7316097
Dissolved Chloride (Cl-)	mg/L	180	5.0	7316155	1500	10	7316189	490	5.0	7316295
Nitrate (N)	mg/L	<0.10	0.10	7316113	<0.10	0.10	7316097	<0.10	0.10	7316097
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	7316113	<0.10	0.10	7316097	<0.10	0.10	7316097
Dissolved Bromide (Br-)	mg/L	<5.0	5.0	7316155	<10	10	7316189	<5.0	5.0	7316295
Dissolved Sulphate (SO4)	mg/L	1800	5.0	7316155	1000	10	7316189	870	5.0	7316295
RDL = Reportable Detection Limit QC Batch = Quality Control Batch										



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PJS024			PJS024			PJS025		
Sampling Date		2021/04/21			2021/04/21			2021/04/21		
COC Number		819873-12-01			819873-12-01			819873-12-01		
	UNITS	60-III	RDL	QC Batch	60-III Lab-Dup	RDL	QC Batch	60-IV	RDL	QC Batch

Calculated Parameters										
Hardness (CaCO3)	mg/L	1400	1.0	7312475				2100	1.0	7312475
Inorganics										
Total Ammonia-N	mg/L	0.57	0.050	7315702				8.1	0.050	7319134
Conductivity	umho/cm	3300	1.0	7317416				6800	1.0	7317416
Total Dissolved Solids	mg/L	2120	10	7314914				4830	20	7314915
Fluoride (F-)	mg/L	0.63	0.10	7317417				0.98	0.10	7317417
Total Kjeldahl Nitrogen (TKN)	mg/L	0.70	0.10	7315856	0.80	0.10	7315856	8.7	1.0	7319691
Total Organic Carbon (TOC)	mg/L	5.6	0.40	7315839	5.6	0.40	7315839	3.6	0.40	7319696
Orthophosphate (P)	mg/L	<0.010	0.010	7317207				<0.010	0.010	7317207
pH	pH	7.59		7317415				7.64		7317415
Phenols-4AAP	mg/L	<0.0010	0.0010	7310091				<0.0010	0.0010	7315039
Alkalinity (Total as CaCO3)	mg/L	410	1.0	7317410				180	1.0	7317410
Nitrite (N)	mg/L	0.031	0.010	7317216				<0.010	0.010	7316721
Dissolved Chloride (Cl-)	mg/L	400	5.0	7317436				1300	10	7316295
Nitrate (N)	mg/L	0.56	0.10	7317216				<0.10	0.10	7316721
Nitrate + Nitrite (N)	mg/L	0.59	0.10	7317216				<0.10	0.10	7316721
Dissolved Bromide (Br-)	mg/L	<5.0	5.0	7317436				<10	10	7316295
Dissolved Sulphate (SO4)	mg/L	930	5.0	7317436				1800	10	7316295

RDL = Reportable Detection Limit  
 QC Batch = Quality Control Batch  
 Lab-Dup = Laboratory Initiated Duplicate



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PJS026			PJS027			PJS027		
Sampling Date		2021/04/21			2021/04/21			2021/04/21		
COC Number		819873-12-01			819873-12-01			819873-12-01		
	UNITS	3-II	RDL	QC Batch	11-III	RDL	QC Batch	11-III Lab-Dup	RDL	QC Batch

Calculated Parameters										
Hardness (CaCO3)	mg/L	1100	1.0	7312475	2300	1.0	7312475			
Inorganics										
Total Ammonia-N	mg/L	0.38	0.050	7319134	8.1	0.050	7320554			
Conductivity	umho/cm	3800	1.0	7315600	6700	1.0	7315600	6700	1.0	7315600
Total Dissolved Solids	mg/L	2260	10	7317387	5090	20	7314915	5110	20	7314915
Fluoride (F-)	mg/L	1.4	0.10	7315601	0.96	0.10	7315601	0.97	0.10	7315601
Total Kjeldahl Nitrogen (TKN)	mg/L	0.56	0.10	7319691	8.3	1.0	7319050			
Total Organic Carbon (TOC)	mg/L	3.0	0.40	7319696	3.7	0.40	7319696	3.7	0.40	7319696
Orthophosphate (P)	mg/L	<0.010	0.010	7316127	<0.010	0.010	7316127			
pH	pH	7.64		7315599	7.57		7315599	7.59		7315599
Phenols-4AAP	mg/L	<0.0010	0.0010	7315036	<0.0010	0.0010	7315039			
Alkalinity (Total as CaCO3)	mg/L	320	1.0	7315541	180	1.0	7315541	180	1.0	7315541
Nitrite (N)	mg/L	<0.010	0.010	7316113	<0.010	0.010	7316113			
Dissolved Chloride (Cl-)	mg/L	710	5.0	7316155	1300	10	7316155			
Nitrate (N)	mg/L	<0.10	0.10	7316113	<0.10	0.10	7316113			
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	7316113	<0.10	0.10	7316113			
Dissolved Bromide (Br-)	mg/L	<5.0	5.0	7316155	<10	10	7316155			
Dissolved Sulphate (SO4)	mg/L	690	5.0	7316155	1800	10	7316155			

RDL = Reportable Detection Limit  
 QC Batch = Quality Control Batch  
 Lab-Dup = Laboratory Initiated Duplicate



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PJS028			PJS029			PJS030		
Sampling Date		2021/04/21			2021/04/21			2021/04/21		
COC Number		819873-12-01			819873-13-01			819873-13-01		
	UNITS	46-IR	RDL	QC Batch	P5-IR	RDL	QC Batch	P5-IIR	RDL	QC Batch
<b>Calculated Parameters</b>										
Hardness (CaCO3)	mg/L	1900	1.0	7312475	1800	1.0	7312475	1600	1.0	7312475
<b>Inorganics</b>										
Total Ammonia-N	mg/L	32 (1)	0.25	7320554	56	0.25	7320906	1.9	0.050	7320906
Conductivity	umho/cm	6800	1.0	7316279	7200	1.0	7315600	3300	1.0	7316279
Total Dissolved Solids	mg/L	4630	20	7314914	5030	20	7314915	2600	10	7314915
Fluoride (F-)	mg/L	1.0	0.10	7316262	1.5	0.10	7315601	0.50	0.10	7316262
Total Kjeldahl Nitrogen (TKN)	mg/L	32 (1)	2.0	7319050	56	2.0	7319050	2.1	0.10	7318988
Total Organic Carbon (TOC)	mg/L	6.7	0.40	7319696	10	0.40	7318993	2.4	0.40	7318993
Orthophosphate (P)	mg/L	<0.010	0.010	7316127	0.012	0.010	7316127	<0.010	0.010	7317207
pH	pH	7.72		7316272	7.56		7315599	7.58		7316272
Phenols-4AAP	mg/L	<0.0010	0.0010	7315039	0.0075	0.0050	7315039	<0.0010	0.0010	7315039
Alkalinity (Total as CaCO3)	mg/L	160	1.0	7316275	72	1.0	7315541	260	1.0	7316275
Nitrite (N)	mg/L	<0.010	0.010	7316113	<0.010	0.010	7316113	<0.010	0.010	7316721
Dissolved Chloride (Cl-)	mg/L	1300	10	7316155	1300	10	7316155	340	5.0	7316295
Nitrate (N)	mg/L	<0.10	0.10	7316113	<0.10	0.10	7316113	<0.10	0.10	7316721
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	7316113	<0.10	0.10	7316113	<0.10	0.10	7316721
Dissolved Bromide (Br-)	mg/L	<10	10	7316155	<10	10	7316155	<5.0	5.0	7316295
Dissolved Sulphate (SO4)	mg/L	1800	10	7316155	2000	10	7316155	1300	5.0	7316295
RDL = Reportable Detection Limit QC Batch = Quality Control Batch (1) TKN < NH4: Both values fall within acceptable RPD limits for duplicates and are likely equivalent.										



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PJS031			PJS031			PJS032		
Sampling Date		2021/04/21			2021/04/21			2021/04/21		
COC Number		819873-13-01			819873-13-01			819873-13-01		
	UNITS	46-IIR	RDL	QC Batch	46-IIR Lab-Dup	RDL	QC Batch	P5-IVR	RDL	QC Batch

Calculated Parameters										
Hardness (CaCO3)	mg/L	780	1.0	7312475				770	1.0	7312475
Inorganics										
Total Ammonia-N	mg/L	0.19	0.050	7320906				0.48	0.050	7320906
Conductivity	umho/cm	2400	1.0	7315600				1400	1.0	7315600
Total Dissolved Solids	mg/L	1490	10	7314915				925	10	7314915
Fluoride (F-)	mg/L	0.40	0.10	7315601				0.56	0.10	7315601
Total Kjeldahl Nitrogen (TKN)	mg/L	0.30	0.10	7319050	0.29	0.10	7319050	0.83	0.10	7318988
Total Organic Carbon (TOC)	mg/L	3.2	0.40	7318993				8.4	0.40	7318993
Orthophosphate (P)	mg/L	<0.010	0.010	7316127				0.026	0.010	7316127
pH	pH	7.77		7315599				7.48		7315599
Phenols-4AAP	mg/L	<0.0010	0.0010	7315039				0.0014	0.0010	7315039
Alkalinity (Total as CaCO3)	mg/L	180	1.0	7315541				430	1.0	7315541
Nitrite (N)	mg/L	<0.010	0.010	7316113				<0.010	0.010	7316113
Dissolved Chloride (Cl-)	mg/L	370	5.0	7316155				25	1.0	7316155
Nitrate (N)	mg/L	<0.10	0.10	7316113				<0.10	0.10	7316113
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	7316113				<0.10	0.10	7316113
Dissolved Bromide (Br-)	mg/L	<5.0	5.0	7316155				<1.0	1.0	7316155
Dissolved Sulphate (SO4)	mg/L	570	5.0	7316155				360	1.0	7316155

RDL = Reportable Detection Limit  
 QC Batch = Quality Control Batch  
 Lab-Dup = Laboratory Initiated Duplicate



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

**RESULTS OF ANALYSES OF WATER**

BV Labs ID		PJS033			PJS033			PJS034		
Sampling Date		2021/04/21			2021/04/21			2021/04/21		
COC Number		819873-13-01			819873-13-01			819873-13-01		
	UNITS	46-IIIR	RDL	QC Batch	46-IIIR Lab-Dup	RDL	QC Batch	P7-IR	RDL	QC Batch

Calculated Parameters										
Hardness (CaCO3)	mg/L	660	1.0	7312475				520	1.0	7312475
Inorganics										
Total Ammonia-N	mg/L	<0.050	0.050	7320554				21	0.050	7320906
Conductivity	umho/cm	1800	1.0	7317416	1800	1.0	7317416	2100	1.0	7316279
Total Dissolved Solids	mg/L	1070	10	7314915				1490	10	7314915
Fluoride (F-)	mg/L	0.18	0.10	7317417	0.15	0.10	7317417	1.3	0.10	7316262
Total Kjeldahl Nitrogen (TKN)	mg/L	0.56	0.10	7319050				21	2.0	7318988
Total Organic Carbon (TOC)	mg/L	11	0.40	7319696				17	0.40	7318993
Orthophosphate (P)	mg/L	<0.010	0.010	7316127				<0.010	0.010	7316138
pH	pH	7.67		7317415	7.66		7317415	9.00		7316272
Phenols-4AAP	mg/L	0.0038	0.0010	7315039				0.89	0.020	7315036
Alkalinity (Total as CaCO3)	mg/L	310	1.0	7317410	310	1.0	7317410	42	1.0	7316275
Nitrite (N)	mg/L	<0.010	0.010	7316113				<0.010	0.010	7316097
Dissolved Chloride (Cl-)	mg/L	170	5.0	7316155				270	5.0	7316295
Nitrate (N)	mg/L	<0.10	0.10	7316113				<0.10	0.10	7316097
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	7316113				<0.10	0.10	7316097
Dissolved Bromide (Br-)	mg/L	<5.0	5.0	7316155				<5.0	5.0	7316295
Dissolved Sulphate (SO4)	mg/L	400	5.0	7316155				550	5.0	7316295

RDL = Reportable Detection Limit  
QC Batch = Quality Control Batch  
Lab-Dup = Laboratory Initiated Duplicate



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PJS034			PJS035			PJS036		
Sampling Date		2021/04/21			2021/04/21			2021/04/21		
COC Number		819873-13-01			819873-13-01			819873-13-01		
	UNITS	P7-IR Lab-Dup	RDL	QC Batch	P7-II	RDL	QC Batch	P7-III	RDL	QC Batch

Calculated Parameters										
Hardness (CaCO3)	mg/L				1500	1.0	7312475	720	1.0	7312475
Inorganics										
Total Ammonia-N	mg/L	21	0.050	7320906	21	0.050	7320906	43 (1)	0.25	7320906
Conductivity	umho/cm				5000	1.0	7316279	4900	1.0	7315600
Total Dissolved Solids	mg/L				3290	10	7314915	2750	10	7314915
Fluoride (F-)	mg/L				0.88	0.10	7316262	1.5	0.10	7315601
Total Kjeldahl Nitrogen (TKN)	mg/L				22	2.0	7319050	43 (1)	2.0	7319050
Total Organic Carbon (TOC)	mg/L				10	0.40	7318993	14	0.40	7318993
Orthophosphate (P)	mg/L				0.089	0.010	7317207	0.023	0.010	7316127
pH	pH				8.37		7316272	8.99		7315599
Phenols-4AAP	mg/L				0.22	0.010	7315039	0.28	0.020	7315039
Alkalinity (Total as CaCO3)	mg/L				94	1.0	7316275	140	1.0	7315541
Nitrite (N)	mg/L				0.023	0.010	7316721	0.041	0.010	7316113
Dissolved Chloride (Cl-)	mg/L				830	10	7316295	970	10	7316155
Nitrate (N)	mg/L				0.13	0.10	7316721	1.46	0.10	7316113
Nitrate + Nitrite (N)	mg/L				0.15	0.10	7316721	1.50	0.10	7316113
Dissolved Bromide (Br-)	mg/L				<10	10	7316295	<10	10	7316155
Dissolved Sulphate (SO4)	mg/L				1600	10	7316295	1100	10	7316155

RDL = Reportable Detection Limit  
 QC Batch = Quality Control Batch  
 Lab-Dup = Laboratory Initiated Duplicate  
 (1) TKN < NH4: Both values fall within acceptable RPD limits for duplicates and are likely equivalent.



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PJS037			PJS038			PJS039		
Sampling Date		2021/04/21			2021/04/21			2021/04/21		
COC Number		819873-13-01			819873-13-01			819873-14-01		
	UNITS	P7-IV	RDL	QC Batch	4-IV	RDL	QC Batch	4-I	RDL	QC Batch
<b>Calculated Parameters</b>										
Hardness (CaCO3)	mg/L	160	1.0	7312475	1900	1.0	7313707	1000	1.0	7313707
<b>Inorganics</b>										
Total Ammonia-N	mg/L	23	0.050	7320906	32 (1)	0.25	7320906	22	0.050	7320554
Conductivity	umho/cm	1700	1.0	7315600	6800	1.0	7315600	3300	1.0	7315600
Total Dissolved Solids	mg/L	1030	10	7314915	4610	20	7314915	2260	10	7314914
Fluoride (F-)	mg/L	1.6	0.10	7315601	1.0	0.10	7315601	1.3	0.10	7315601
Total Kjeldahl Nitrogen (TKN)	mg/L	23	2.0	7318988	29 (1)	2.0	7318988	28	2.0	7319691
Total Organic Carbon (TOC)	mg/L	21	0.40	7318993	6.4	0.40	7318993	18	0.40	7319696
Orthophosphate (P)	mg/L	<0.010	0.010	7316127	<0.010	0.010	7316127	0.011	0.010	7316127
pH	pH	9.34		7315599	7.76		7315599	8.92		7315599
Phenols-4AAP	mg/L	1.2	0.020	7315036	0.0011	0.0010	7315036	0.90	0.020	7315036
Alkalinity (Total as CaCO3)	mg/L	100	1.0	7315541	160	1.0	7315541	48	1.0	7315541
Nitrite (N)	mg/L	<0.010	0.010	7316113	<0.010	0.010	7316113	<0.010	0.010	7316113
Dissolved Chloride (Cl-)	mg/L	110	5.0	7316155	1300	10	7316155	410	5.0	7316155
Nitrate (N)	mg/L	<0.10	0.10	7316113	<0.10	0.10	7316113	<0.10	0.10	7316113
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	7316113	<0.10	0.10	7316113	<0.10	0.10	7316113
Dissolved Bromide (Br-)	mg/L	<5.0	5.0	7316155	<10	10	7316155	<5.0	5.0	7316155
Dissolved Sulphate (SO4)	mg/L	530	5.0	7316155	1800	10	7316155	1200	5.0	7316155

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

(1) TKN < NH4: Both values fall within acceptable RPD limits for duplicates and are likely equivalent.





BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PJS039			PJS040			PJS041		
Sampling Date		2021/04/21			2021/04/21			2021/04/21		
COC Number		819873-14-01			819873-14-01			819873-14-01		
	UNITS	4-I Lab-Dup	RDL	QC Batch	3-I	RDL	QC Batch	40-I	RDL	QC Batch

Calculated Parameters										
Hardness (CaCO3)	mg/L				1400	1.0	7313707	1400	1.0	7313707
Inorganics										
Total Ammonia-N	mg/L				4.9	0.050	7319134	2.6	0.050	7319134
Conductivity	umho/cm				3800	1.0	7317416	3900	1.0	7317416
Total Dissolved Solids	mg/L				2410	10	7314914	2440	10	7314915
Fluoride (F-)	mg/L				1.0	0.10	7317417	1.2	0.10	7317417
Total Kjeldahl Nitrogen (TKN)	mg/L				5.1	1.0	7319691	3.3	0.10	7319691
Total Organic Carbon (TOC)	mg/L				2.8	0.40	7319696	3.2	0.40	7319696
Orthophosphate (P)	mg/L				<0.010	0.010	7317207	<0.010	0.010	7317207
pH	pH				7.74		7317415	7.75		7317415
Phenols-4AAP	mg/L				<0.0010	0.0010	7315036	<0.0010	0.0010	7315036
Alkalinity (Total as CaCO3)	mg/L				240	1.0	7317410	210	1.0	7317410
Nitrite (N)	mg/L				<0.010	0.010	7316721	<0.010	0.010	7316721
Dissolved Chloride (Cl-)	mg/L	400	5.0	7316155	590	5.0	7316295	510	5.0	7316155
Nitrate (N)	mg/L				<0.10	0.10	7316721	1.13	0.10	7316721
Nitrate + Nitrite (N)	mg/L				<0.10	0.10	7316721	1.13	0.10	7316721
Dissolved Bromide (Br-)	mg/L	<5.0	5.0	7316155	<5.0	5.0	7316295	<5.0	5.0	7316155
Dissolved Sulphate (SO4)	mg/L	1200	5.0	7316155	1000	5.0	7316295	1200	5.0	7316155

RDL = Reportable Detection Limit  
 QC Batch = Quality Control Batch  
 Lab-Dup = Laboratory Initiated Duplicate



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PJS042			PJS043			PJS044		
Sampling Date		2021/04/21			2021/04/21			2021/04/21		
COC Number		819873-14-01			819873-14-01			819873-14-01		
	UNITS	40-II	RDL	QC Batch	40-III	RDL	QC Batch	29-I	RDL	QC Batch
<b>Calculated Parameters</b>										
Hardness (CaCO3)	mg/L	1300	1.0	7313707	1300	1.0	7313707	1800	1.0	7313707
<b>Inorganics</b>										
Total Ammonia-N	mg/L	5.1 (1)	0.050	7320906	5.3	0.050	7320906	13	0.050	7320554
Conductivity	umho/cm	3800	1.0	7316078	3800	1.0	7316078	5000	1.0	7317416
Total Dissolved Solids	mg/L	2390	10	7314914	2320	10	7314914	3540	10	7314915
Fluoride (F-)	mg/L	1.1	0.10	7316067	1.1	0.10	7316067	1.2	0.10	7317417
Total Kjeldahl Nitrogen (TKN)	mg/L	4.8 (1)	0.20	7318988	8.1	1.0	7319691	14	1.0	7319050
Total Organic Carbon (TOC)	mg/L	2.8	0.40	7318993	3.0	0.40	7319696	5.2	0.40	7319696
Orthophosphate (P)	mg/L	<0.010	0.010	7316138	<0.010	0.010	7316138	<0.010	0.010	7317207
pH	pH	7.69		7316074	7.72		7316074	7.85		7317415
Phenols-4AAP	mg/L	<0.0010	0.0010	7315039	<0.0010	0.0010	7315036	<0.0010	0.0010	7315039
Alkalinity (Total as CaCO3)	mg/L	240	1.0	7316072	240	1.0	7316072	190	1.0	7317410
Nitrite (N)	mg/L	<0.010	0.010	7316097	<0.010	0.010	7316103	<0.010	0.010	7316721
Dissolved Chloride (Cl-)	mg/L	580	5.0	7316189	580	5.0	7316189	720	10	7316295
Nitrate (N)	mg/L	<0.10	0.10	7316097	<0.10	0.10	7316103	<0.10	0.10	7316721
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	7316097	<0.10	0.10	7316103	<0.10	0.10	7316721
Dissolved Bromide (Br-)	mg/L	<5.0	5.0	7316189	<5.0	5.0	7316189	<10	10	7316295
Dissolved Sulphate (SO4)	mg/L	1000	5.0	7316189	1000	5.0	7316189	1700	10	7316295
RDL = Reportable Detection Limit QC Batch = Quality Control Batch (1) TKN < NH4: Both values fall within acceptable RPD limits for duplicates and are likely equivalent.										



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PJS045			PJS046			PJS047		
Sampling Date		2021/04/21			2021/04/21			2021/04/21		
COC Number		819873-14-01			819873-14-01			819873-14-01		
	UNITS	29-II	RDL	QC Batch	29-IV	RDL	QC Batch	12-IV	RDL	QC Batch
<b>Calculated Parameters</b>										
Hardness (CaCO3)	mg/L	960	1.0	7313707	1800	1.0	7313707	1900	1.0	7313707
<b>Inorganics</b>										
Total Ammonia-N	mg/L	<0.050	0.050	7320554	15	0.050	7320554	15	0.050	7319134
Conductivity	umho/cm	2800	1.0	7315600	5000	1.0	7316279	5000	1.0	7315600
Total Dissolved Solids	mg/L	1730	10	7314915	3340	10	7314914	3630	10	7314915
Fluoride (F-)	mg/L	0.89	0.10	7315601	1.3	0.10	7316262	1.3	0.10	7315601
Total Kjeldahl Nitrogen (TKN)	mg/L	0.36	0.10	7319050	15	1.0	7319050	16	2.0	7319691
Total Organic Carbon (TOC)	mg/L	4.7	0.40	7319696	5.2	0.40	7319696	5.1	0.40	7320430
Orthophosphate (P)	mg/L	<0.010	0.010	7316127	<0.010	0.010	7316138	<0.010	0.010	7316127
pH	pH	7.81		7315599	7.67		7316272	7.67		7315599
Phenols-4AAP	mg/L	<0.0010	0.0010	7315039	<0.0010	0.0010	7315039	<0.0010	0.0010	7315036
Alkalinity (Total as CaCO3)	mg/L	140	1.0	7315541	180	1.0	7316275	180	1.0	7315541
Nitrite (N)	mg/L	<0.010	0.010	7316113	<0.010	0.010	7316097	<0.010	0.010	7316113
Dissolved Chloride (Cl-)	mg/L	400	5.0	7316155	750	10	7316295	750	10	7316155
Nitrate (N)	mg/L	0.35	0.10	7316113	<0.10	0.10	7316097	<0.10	0.10	7316113
Nitrate + Nitrite (N)	mg/L	0.35	0.10	7316113	<0.10	0.10	7316097	<0.10	0.10	7316113
Dissolved Bromide (Br-)	mg/L	<5.0	5.0	7316155	<10	10	7316295	<10	10	7316155
Dissolved Sulphate (SO4)	mg/L	790	5.0	7316155	1700	10	7316295	1700	10	7316155
RDL = Reportable Detection Limit QC Batch = Quality Control Batch										



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### RESULTS OF ANALYSES OF WATER

<b>BV Labs ID</b>		PJS048			PJS048			PJS049		
<b>Sampling Date</b>		2021/04/21			2021/04/21			2021/04/21		
<b>COC Number</b>		819873-14-01			819873-14-01			819873-15-01		
	<b>UNITS</b>	<b>P3-III</b>	<b>RDL</b>	<b>QC Batch</b>	<b>P3-III Lab-Dup</b>	<b>RDL</b>	<b>QC Batch</b>	<b>47-I</b>	<b>RDL</b>	<b>QC Batch</b>

<b>Calculated Parameters</b>										
Hardness (CaCO3)	mg/L	1300	1.0	7313707				1800	1.0	7313707
<b>Inorganics</b>										
Total Ammonia-N	mg/L	0.66	0.050	7320906				5.0	0.050	7320906
Conductivity	umho/cm	3500	1.0	7315600				4200	1.0	7316279
Total Dissolved Solids	mg/L	2210	10	7314914				3120	10	7314915
Fluoride (F-)	mg/L	0.49	0.10	7315601				0.92	0.10	7316262
Total Kjeldahl Nitrogen (TKN)	mg/L	0.76	0.10	7318988				5.3	0.20	7319050
Total Organic Carbon (TOC)	mg/L	4.0	0.40	7318993				2.6	0.40	7318993
Orthophosphate (P)	mg/L	<0.010	0.010	7316127				<0.010	0.010	7317207
pH	pH	7.57		7315599				7.64		7316272
Phenols-4AAP	mg/L	<0.0010	0.0010	7315039	<0.0010	0.0010	7315039	<0.0010	0.0010	7315039
Alkalinity (Total as CaCO3)	mg/L	260	1.0	7315541				220	1.0	7316275
Nitrite (N)	mg/L	0.015	0.010	7316113				<0.010	0.010	7316721
Dissolved Chloride (Cl-)	mg/L	670	5.0	7316155				480	10	7316295
Nitrate (N)	mg/L	0.53	0.10	7316113				<0.10	0.10	7316721
Nitrate + Nitrite (N)	mg/L	0.54	0.10	7316113				<0.10	0.10	7316721
Dissolved Bromide (Br-)	mg/L	<5.0	5.0	7316155				<10	10	7316295
Dissolved Sulphate (SO4)	mg/L	650	5.0	7316155				1700	10	7316295

RDL = Reportable Detection Limit  
 QC Batch = Quality Control Batch  
 Lab-Dup = Laboratory Initiated Duplicate



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PJS050		PJS051			PJS052		
Sampling Date		2021/04/21		2021/04/21			2021/04/21		
COC Number		819873-15-01		819873-15-01			819873-15-01		
	UNITS	47-IIR	QC Batch	47-III	RDL	QC Batch	61-I	RDL	QC Batch
<b>Calculated Parameters</b>									
Hardness (CaCO <sub>3</sub> )	mg/L	580	7313707	1400	1.0	7313707	2100	1.0	7313707
<b>Inorganics</b>									
Total Ammonia-N	mg/L	<0.050	7319134	1.3	0.050	7320906	4.2	0.050	7320554
Conductivity	umho/cm	1700	7316279	3100	1.0	7316279	5200	1.0	7316279
Total Dissolved Solids	mg/L	1050	7314914	2100	10	7314914	3570	10	7314914
Fluoride (F <sup>-</sup> )	mg/L	0.56	7316262	0.61	0.10	7316262	0.72	0.10	7316262
Total Kjeldahl Nitrogen (TKN)	mg/L	0.32	7319691	1.4	0.10	7319050	4.4	0.10	7319050
Total Organic Carbon (TOC)	mg/L	4.6	7319696	3.1	0.40	7318993	1.9	0.40	7319696
Orthophosphate (P)	mg/L	<0.010	7317207	<0.010	0.010	7316127	<0.010	0.010	7317207
pH	pH	7.69	7316272	7.55		7316272	7.43		7316272
Phenols-4AAP	mg/L	<0.0010	7315039	<0.0010	0.0010	7315036	<0.0010	0.0010	7315039
Alkalinity (Total as CaCO <sub>3</sub> )	mg/L	260	7316275	310	1.0	7316275	280	1.0	7329204
Nitrite (N)	mg/L	<0.010	7316721	<0.010	0.010	7316113	<0.010	0.010	7316721
Dissolved Chloride (Cl <sup>-</sup> )	mg/L	240	7316295	430	5.0	7316155	750	10	7329902
Nitrate (N)	mg/L	<0.10	7316721	<0.10	0.10	7316113	<0.10	0.10	7316721
Nitrate + Nitrite (N)	mg/L	<0.10	7316721	<0.10	0.10	7316113	<0.10	0.10	7316721
Dissolved Bromide (Br <sup>-</sup> )	mg/L	<5.0	7316295	<5.0	5.0	7316155	<10	10	7329902
Dissolved Sulphate (SO <sub>4</sub> )	mg/L	340	7316295	860	5.0	7316155	1700	10	7329902
RDL = Reportable Detection Limit									
QC Batch = Quality Control Batch									



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PJS053			PJS053			PJS054		
Sampling Date		2021/04/21			2021/04/21			2021/04/21		
COC Number		819873-15-01			819873-15-01			819873-15-01		
	UNITS	61-III	RDL	QC Batch	61-III Lab-Dup	RDL	QC Batch	48-I	RDL	QC Batch

Calculated Parameters										
Hardness (CaCO3)	mg/L	2200	1.0	7313707				2900	1.0	7313707
Inorganics										
Total Ammonia-N	mg/L	3.0	0.050	7320906				3.1	0.050	7320906
Conductivity	umho/cm	5000	1.0	7316078				8000	1.0	7315600
Total Dissolved Solids	mg/L	3300	10	7314914				5550	20	7314914
Fluoride (F-)	mg/L	0.77	0.10	7316067				0.77	0.10	7315601
Total Kjeldahl Nitrogen (TKN)	mg/L	3.3	0.10	7318988				3.2	0.10	7319050
Total Organic Carbon (TOC)	mg/L	2.1	0.40	7318993				1.4	0.40	7318993
Orthophosphate (P)	mg/L	<0.010	0.010	7317207	<0.010	0.010	7317207	<0.010	0.010	7316127
pH	pH	7.49		7316074				7.41		7315599
Phenols-4AAP	mg/L	<0.0010	0.0010	7315036				<0.0010	0.0010	7310279
Alkalinity (Total as CaCO3)	mg/L	320	1.0	7316072				330	1.0	7315541
Nitrite (N)	mg/L	<0.010	0.010	7316103				<0.010	0.010	7316113
Dissolved Chloride (Cl-)	mg/L	800	10	7316189				1700	20	7316155
Nitrate (N)	mg/L	<0.10	0.10	7316103				<0.10	0.10	7316113
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	7316103				<0.10	0.10	7316113
Dissolved Bromide (Br-)	mg/L	<10	10	7316189				<20	20	7316155
Dissolved Sulphate (SO4)	mg/L	1500	10	7316189				1700	20	7316155

RDL = Reportable Detection Limit  
 QC Batch = Quality Control Batch  
 Lab-Dup = Laboratory Initiated Duplicate



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PJS055			PJS055			PJS056		
Sampling Date		2021/04/21			2021/04/21			2021/04/21		
COC Number		819873-15-01			819873-15-01			819873-15-01		
	UNITS	48-II	RDL	QC Batch	48-II Lab-Dup	RDL	QC Batch	48-IV	RDL	QC Batch

Calculated Parameters										
Hardness (CaCO3)	mg/L	1800	1.0	7313707				1100	1.0	7313707
Inorganics										
Total Ammonia-N	mg/L	1.5	0.050	7320906				0.074	0.050	7320906
Conductivity	umho/cm	4200	1.0	7315600				3700	1.0	7316279
Total Dissolved Solids	mg/L	3140	10	7314914	3240	10	7314914	2260	10	7314914
Fluoride (F-)	mg/L	0.78	0.10	7315601				0.49	0.10	7316262
Total Kjeldahl Nitrogen (TKN)	mg/L	1.6	0.10	7319050				0.24	0.10	7318988
Total Organic Carbon (TOC)	mg/L	2.2	0.40	7318993				2.2	0.40	7318993
Orthophosphate (P)	mg/L	0.012	0.010	7316127				<0.010	0.010	7317207
pH	pH	7.60		7315599				7.65		7316272
Phenols-4AAP	mg/L	<0.0010	0.0010	7315036				<0.0010	0.0010	7310279
Alkalinity (Total as CaCO3)	mg/L	330	1.0	7315541				340	1.0	7316275
Nitrite (N)	mg/L	<0.010	0.010	7316721				<0.010	0.010	7316721
Dissolved Chloride (Cl-)	mg/L	510	10	7316295	510	10	7316295	700	5.0	7316295
Nitrate (N)	mg/L	<0.10	0.10	7316721				<0.10	0.10	7316721
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	7316721				<0.10	0.10	7316721
Dissolved Bromide (Br-)	mg/L	<10	10	7316295	<10	10	7316295	<5.0	5.0	7316295
Dissolved Sulphate (SO4)	mg/L	1600	10	7316295	1600	10	7316295	640	5.0	7316295

RDL = Reportable Detection Limit  
 QC Batch = Quality Control Batch  
 Lab-Dup = Laboratory Initiated Duplicate



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PJS056			PJS057			PJS057		
Sampling Date		2021/04/21			2021/04/21			2021/04/21		
COC Number		819873-15-01			819873-15-01			819873-15-01		
	UNITS	48-IV Lab-Dup	RDL	QC Batch	48-V	RDL	QC Batch	48-V Lab-Dup	RDL	QC Batch

Calculated Parameters										
Hardness (CaCO3)	mg/L				1700	1.0	7313707			
Inorganics										
Total Ammonia-N	mg/L				1.2	0.050	7320906			
Conductivity	umho/cm				4400	1.0	7315600			
Total Dissolved Solids	mg/L				3310	10	7314915			
Fluoride (F-)	mg/L				0.75	0.10	7315601			
Total Kjeldahl Nitrogen (TKN)	mg/L				1.4	0.10	7319050			
Total Organic Carbon (TOC)	mg/L	2.1	0.40	7318993	2.4	0.40	7318993			
Orthophosphate (P)	mg/L				<0.010	0.010	7316127	<0.010	0.010	7316127
pH	pH				7.53		7315599			
Phenols-4AAP	mg/L				<0.0010	0.0010	7310279			
Alkalinity (Total as CaCO3)	mg/L				340	1.0	7315541			
Nitrite (N)	mg/L				<0.010	0.010	7316113			
Dissolved Chloride (Cl-)	mg/L				580	10	7316155			
Nitrate (N)	mg/L				<0.10	0.10	7316113			
Nitrate + Nitrite (N)	mg/L				<0.10	0.10	7316113			
Dissolved Bromide (Br-)	mg/L				<10	10	7316155			
Dissolved Sulphate (SO4)	mg/L				1500	10	7316155			

RDL = Reportable Detection Limit  
 QC Batch = Quality Control Batch  
 Lab-Dup = Laboratory Initiated Duplicate





BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PJS058			PJS058			PJS059		
Sampling Date		2021/04/21			2021/04/21			2021/04/21		
COC Number		819873-15-01			819873-15-01			819873-17-01		
	UNITS	11-I	RDL	QC Batch	11-I Lab-Dup	RDL	QC Batch	11-II	RDL	QC Batch

Calculated Parameters										
Hardness (CaCO3)	mg/L	1800	1.0	7313707				2900	1.0	7313707
Inorganics										
Total Ammonia-N	mg/L	5.0	0.050	7320906				3.1	0.050	7320554
Conductivity	umho/cm	4100	1.0	7315600				8000	1.0	7315600
Total Dissolved Solids	mg/L	2930	10	7314914				5760	20	7314915
Fluoride (F-)	mg/L	0.94	0.10	7315601				0.77	0.10	7315601
Total Kjeldahl Nitrogen (TKN)	mg/L	5.0	0.20	7318988				4.0	0.10	7319691
Total Organic Carbon (TOC)	mg/L	2.7	0.40	7318993				1.5	0.40	7319696
Orthophosphate (P)	mg/L	<0.010	0.010	7316138				<0.010	0.010	7316127
pH	pH	7.65		7315599				7.37		7315599
Phenols-4AAP	mg/L	<0.0010	0.0010	7310279				<0.0010	0.0010	7315039
Alkalinity (Total as CaCO3)	mg/L	220	1.0	7315541				310	1.0	7315541
Nitrite (N)	mg/L	<0.010	0.010	7316113	<0.010	0.010	7316113	<0.010	0.010	7316113
Dissolved Chloride (Cl-)	mg/L	470	10	7316189				1800	20	7316155
Nitrate (N)	mg/L	<0.10	0.10	7316113	<0.10	0.10	7316113	<0.10	0.10	7316113
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	7316113	<0.10	0.10	7316113	<0.10	0.10	7316113
Dissolved Bromide (Br-)	mg/L	<10	10	7316189				<20	20	7316155
Dissolved Sulphate (SO4)	mg/L	1600	10	7316189				1700	20	7316155

RDL = Reportable Detection Limit  
 QC Batch = Quality Control Batch  
 Lab-Dup = Laboratory Initiated Duplicate



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

BV Labs ID		PJS018		PJS020		PJS021		PJS022		
Sampling Date		2021/04/21		2021/04/21		2021/04/21		2021/04/21		
COC Number		819873-12-01		819873-12-01		819873-12-01		819873-12-01		
	UNITS	49-II	RDL	49-IV	RDL	49-V	RDL	60-I	RDL	QC Batch
<b>Metals</b>										
Dissolved Aluminum (Al)	ug/L	<4.9	4.9	<4.9	4.9	<4.9	4.9	<4.9	4.9	7317421
Dissolved Antimony (Sb)	ug/L	<0.50	0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7317421
Dissolved Arsenic (As)	ug/L	<1.0	1.0	1.5	1.0	1.1	1.0	<1.0	1.0	7317421
Dissolved Barium (Ba)	ug/L	32	2.0	57	2.0	53	2.0	27	2.0	7317421
Dissolved Beryllium (Be)	ug/L	<0.40	0.40	<0.40	0.40	<0.40	0.40	<0.40	0.40	7317421
Dissolved Bismuth (Bi)	ug/L	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	7317421
Dissolved Boron (B)	ug/L	460	10	70	10	740	10	540	10	7317421
Dissolved Cadmium (Cd)	ug/L	<0.090	0.090	<0.090	0.090	<0.090	0.090	<0.090	0.090	7317421
Dissolved Calcium (Ca)	ug/L	480000	400	250000	200	500000	400	500000	400	7317421
Dissolved Chromium (Cr)	ug/L	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	7317421
Dissolved Cobalt (Co)	ug/L	<0.50	0.50	2.9	0.50	<0.50	0.50	<0.50	0.50	7317421
Dissolved Copper (Cu)	ug/L	<0.90	0.90	<0.90	0.90	<0.90	0.90	<0.90	0.90	7317421
Dissolved Iron (Fe)	ug/L	<100	100	1800	100	480	100	<100	100	7317421
Dissolved Lead (Pb)	ug/L	<0.50	0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7317421
Dissolved Lithium (Li)	ug/L	130	5.0	49	5.0	160	5.0	69	5.0	7317421
Dissolved Magnesium (Mg)	ug/L	230000	50	130000	50	220000	50	110000	50	7317421
Dissolved Manganese (Mn)	ug/L	59	2.0	41	2.0	220	2.0	87	2.0	7317421
Dissolved Molybdenum (Mo)	ug/L	<0.50	0.50	6.3	0.50	<0.50	0.50	<0.50	0.50	7317421
Dissolved Nickel (Ni)	ug/L	<1.0	1.0	9.3	1.0	<1.0	1.0	<1.0	1.0	7317421
Dissolved Phosphorus (P)	ug/L	<100	100	<100	100	120	100	<100	100	7317421
Dissolved Potassium (K)	ug/L	12000	200	5600	200	13000	200	33000	200	7317421
Dissolved Selenium (Se)	ug/L	<2.0	2.0	<2.0	2.0	<2.0	2.0	<2.0	2.0	7317421
Dissolved Silicon (Si)	ug/L	7000	50	4600	50	9700	50	4000	50	7317421
Dissolved Silver (Ag)	ug/L	<0.090	0.090	<0.090	0.090	<0.090	0.090	<0.090	0.090	7317421
Dissolved Sodium (Na)	ug/L	220000	100	400000	100	150000	100	680000	500	7317421
Dissolved Strontium (Sr)	ug/L	5600	1.0	3500	1.0	5300	1.0	7000	1.0	7317421
Dissolved Tellurium (Te)	ug/L	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	7317421
Dissolved Thallium (Tl)	ug/L	<0.050	0.050	<0.050	0.050	<0.050	0.050	<0.050	0.050	7317421
Dissolved Tin (Sn)	ug/L	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	7317421
Dissolved Titanium (Ti)	ug/L	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	7317421
Dissolved Tungsten (W)	ug/L	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	7317421
Dissolved Uranium (U)	ug/L	1.6	0.10	4.9	0.10	2.9	0.10	<0.10	0.10	7317421
Dissolved Vanadium (V)	ug/L	<0.50	0.50	<0.50	0.50	1.9	0.50	<0.50	0.50	7317421
Dissolved Zinc (Zn)	ug/L	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	7317421
Dissolved Zirconium (Zr)	ug/L	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	7317421
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

**ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)**

BV Labs ID		PJS023		PJS024			PJS025		PJS026		
Sampling Date		2021/04/21		2021/04/21			2021/04/21		2021/04/21		
COC Number		819873-12-01		819873-12-01			819873-12-01		819873-12-01		
	UNITS	60-II	RDL	60-III	RDL	QC Batch	60-IV	RDL	3-II	RDL	QC Batch
<b>Metals</b>											
Dissolved Aluminum (Al)	ug/L	<4.9	4.9	<4.9	4.9	7317421	<4.9	4.9	<4.9	4.9	7317424
Dissolved Antimony (Sb)	ug/L	<0.50	0.50	<0.50	0.50	7317421	<0.50	0.50	<0.50	0.50	7317424
Dissolved Arsenic (As)	ug/L	<1.0	1.0	<1.0	1.0	7317421	<1.0	1.0	1.5	1.0	7317424
Dissolved Barium (Ba)	ug/L	22	2.0	42	2.0	7317421	15	2.0	55	2.0	7317424
Dissolved Beryllium (Be)	ug/L	<0.40	0.40	<0.40	0.40	7317421	<0.40	0.40	<0.40	0.40	7317424
Dissolved Bismuth (Bi)	ug/L	<1.0	1.0	<1.0	1.0	7317421	<1.0	1.0	<1.0	1.0	7317424
Dissolved Boron (B)	ug/L	480	10	790	10	7317421	1400	10	81	10	7317424
Dissolved Cadmium (Cd)	ug/L	<0.090	0.090	<0.090	0.090	7317421	<0.090	0.090	<0.090	0.090	7317424
Dissolved Calcium (Ca)	ug/L	390000	200	420000	400	7317421	670000	1000	240000	200	7317424
Dissolved Chromium (Cr)	ug/L	<5.0	5.0	<5.0	5.0	7317421	<5.0	5.0	<5.0	5.0	7317424
Dissolved Cobalt (Co)	ug/L	<0.50	0.50	<0.50	0.50	7317421	<0.50	0.50	3.1	0.50	7317424
Dissolved Copper (Cu)	ug/L	<0.90	0.90	<0.90	0.90	7317421	<0.90	0.90	<0.90	0.90	7317424
Dissolved Iron (Fe)	ug/L	250	100	<100	100	7317421	140	100	1600	100	7317424
Dissolved Lead (Pb)	ug/L	<0.50	0.50	<0.50	0.50	7317421	<0.50	0.50	<0.50	0.50	7317424
Dissolved Lithium (Li)	ug/L	77	5.0	21	5.0	7317421	340	5.0	45	5.0	7317424
Dissolved Magnesium (Mg)	ug/L	94000	50	85000	50	7317421	120000	50	130000	50	7317424
Dissolved Manganese (Mn)	ug/L	130	2.0	100	2.0	7317421	95	2.0	42	2.0	7317424
Dissolved Molybdenum (Mo)	ug/L	0.77	0.50	0.78	0.50	7317421	<0.50	0.50	6.7	0.50	7317424
Dissolved Nickel (Ni)	ug/L	<1.0	1.0	2.3	1.0	7317421	<1.0	1.0	10	1.0	7317424
Dissolved Phosphorus (P)	ug/L	<100	100	<100	100	7317421	<100	100	<100	100	7317424
Dissolved Potassium (K)	ug/L	20000	200	15000	200	7317421	39000	200	5200	200	7317424
Dissolved Selenium (Se)	ug/L	<2.0	2.0	<2.0	2.0	7317421	2.4	2.0	<2.0	2.0	7317424
Dissolved Silicon (Si)	ug/L	4900	50	5200	50	7317421	3300	50	4500	50	7317424
Dissolved Silver (Ag)	ug/L	<0.090	0.090	<0.090	0.090	7317421	<0.090	0.090	<0.090	0.090	7317424
Dissolved Sodium (Na)	ug/L	280000	100	270000	100	7317421	680000	500	400000	100	7317424
Dissolved Strontium (Sr)	ug/L	3800	1.0	5000	1.0	7317421	8500	1.0	3300	1.0	7317424
Dissolved Tellurium (Te)	ug/L	<1.0	1.0	<1.0	1.0	7317421	<1.0	1.0	<1.0	1.0	7317424
Dissolved Thallium (Tl)	ug/L	<0.050	0.050	<0.050	0.050	7317421	<0.050	0.050	<0.050	0.050	7317424
Dissolved Tin (Sn)	ug/L	<1.0	1.0	<1.0	1.0	7317421	<1.0	1.0	<1.0	1.0	7317424
Dissolved Titanium (Ti)	ug/L	<5.0	5.0	<5.0	5.0	7317421	<5.0	5.0	<5.0	5.0	7317424
Dissolved Tungsten (W)	ug/L	<1.0	1.0	<1.0	1.0	7317421	<1.0	1.0	<1.0	1.0	7317424
Dissolved Uranium (U)	ug/L	0.49	0.10	3.2	0.10	7317421	0.18	0.10	5.1	0.10	7317424
Dissolved Vanadium (V)	ug/L	<0.50	0.50	<0.50	0.50	7317421	<0.50	0.50	<0.50	0.50	7317424
Dissolved Zinc (Zn)	ug/L	<5.0	5.0	40	5.0	7317421	<5.0	5.0	<5.0	5.0	7317424
Dissolved Zirconium (Zr)	ug/L	<1.0	1.0	<1.0	1.0	7317421	<1.0	1.0	<1.0	1.0	7317424
RDL = Reportable Detection Limit											
QC Batch = Quality Control Batch											



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

BV Labs ID		PJS027		PJS028		PJS029		
Sampling Date		2021/04/21		2021/04/21		2021/04/21		
COC Number		819873-12-01		819873-12-01		819873-13-01		
	UNITS	11-III	QC Batch	46-IR	QC Batch	P5-IR	RDL	QC Batch
<b>Metals</b>								
Dissolved Aluminum (Al)	ug/L	<4.9	7317421	<4.9	7317424	5.5	4.9	7317421
Dissolved Antimony (Sb)	ug/L	<0.50	7317421	<0.50	7317424	<0.50	0.50	7317421
Dissolved Arsenic (As)	ug/L	<1.0	7317421	<1.0	7317424	<1.0	1.0	7317421
Dissolved Barium (Ba)	ug/L	16	7317421	23	7317424	28	2.0	7317421
Dissolved Beryllium (Be)	ug/L	<0.40	7317421	<0.40	7317424	<0.40	0.40	7317421
Dissolved Bismuth (Bi)	ug/L	<1.0	7317421	<1.0	7317424	<1.0	1.0	7317421
Dissolved Boron (B)	ug/L	1300	7317421	890	7317424	760	10	7317421
Dissolved Cadmium (Cd)	ug/L	<0.090	7317421	<0.090	7317424	<0.090	0.090	7317421
Dissolved Calcium (Ca)	ug/L	710000	7317421	630000	7317424	630000	1000	7317421
Dissolved Chromium (Cr)	ug/L	<5.0	7317421	<5.0	7317424	<5.0	5.0	7317421
Dissolved Cobalt (Co)	ug/L	<0.50	7317421	<0.50	7317424	<0.50	0.50	7317421
Dissolved Copper (Cu)	ug/L	<0.90	7317421	<0.90	7317424	<0.90	0.90	7317421
Dissolved Iron (Fe)	ug/L	410	7317421	<100	7317424	<100	100	7317421
Dissolved Lead (Pb)	ug/L	<0.50	7317421	<0.50	7317424	<0.50	0.50	7317421
Dissolved Lithium (Li)	ug/L	350	7317421	120	7317424	76	5.0	7317421
Dissolved Magnesium (Mg)	ug/L	130000	7317421	70000	7317424	53000	50	7317421
Dissolved Manganese (Mn)	ug/L	100	7317421	93	7317424	43	2.0	7317421
Dissolved Molybdenum (Mo)	ug/L	<0.50	7317421	<0.50	7317424	<0.50	0.50	7317421
Dissolved Nickel (Ni)	ug/L	<1.0	7317421	<1.0	7317424	2.1	1.0	7317421
Dissolved Phosphorus (P)	ug/L	<100	7317421	<100	7317424	<100	100	7317421
Dissolved Potassium (K)	ug/L	42000	7317421	53000	7317424	75000	200	7317421
Dissolved Selenium (Se)	ug/L	<2.0	7317421	2.6	7317424	<2.0	2.0	7317421
Dissolved Silicon (Si)	ug/L	3400	7317421	4000	7317424	5700	50	7317421
Dissolved Silver (Ag)	ug/L	<0.090	7317421	<0.090	7317424	<0.090	0.090	7317421
Dissolved Sodium (Na)	ug/L	710000	7317421	740000	7317424	940000	500	7317421
Dissolved Strontium (Sr)	ug/L	8300	7317421	8500	7317424	5400	1.0	7317421
Dissolved Tellurium (Te)	ug/L	<1.0	7317421	<1.0	7317424	<1.0	1.0	7317421
Dissolved Thallium (Tl)	ug/L	<0.050	7317421	<0.050	7317424	<0.050	0.050	7317421
Dissolved Tin (Sn)	ug/L	<1.0	7317421	<1.0	7317424	<1.0	1.0	7317421
Dissolved Titanium (Ti)	ug/L	<5.0	7317421	<5.0	7317424	<5.0	5.0	7317421
Dissolved Tungsten (W)	ug/L	<1.0	7317421	<1.0	7317424	2.8	1.0	7317421
Dissolved Uranium (U)	ug/L	0.19	7317421	<0.10	7317424	<0.10	0.10	7317421
Dissolved Vanadium (V)	ug/L	<0.50	7317421	<0.50	7317424	<0.50	0.50	7317421
Dissolved Zinc (Zn)	ug/L	<5.0	7317421	<5.0	7317424	<5.0	5.0	7317421
Dissolved Zirconium (Zr)	ug/L	<1.0	7317421	<1.0	7317424	<1.0	1.0	7317421
RDL = Reportable Detection Limit								
QC Batch = Quality Control Batch								



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

BV Labs ID		PJS030			PJS031		PJS032		PJS033		
Sampling Date		2021/04/21			2021/04/21		2021/04/21		2021/04/21		
COC Number		819873-13-01			819873-13-01		819873-13-01		819873-13-01		
	UNITS	P5-IIR	RDL	QC Batch	46-IIR	RDL	P5-IVR	RDL	46-IIIR	RDL	QC Batch
<b>Metals</b>											
Dissolved Aluminum (Al)	ug/L	<4.9	4.9	7317426	<4.9	4.9	<4.9	4.9	<4.9	4.9	7317424
Dissolved Antimony (Sb)	ug/L	<0.50	0.50	7317426	<0.50	0.50	<0.50	0.50	<0.50	0.50	7317424
Dissolved Arsenic (As)	ug/L	<1.0	1.0	7317426	<1.0	1.0	<1.0	1.0	<1.0	1.0	7317424
Dissolved Barium (Ba)	ug/L	13	2.0	7317426	76	2.0	41	2.0	20	2.0	7317424
Dissolved Beryllium (Be)	ug/L	<0.40	0.40	7317426	<0.40	0.40	<0.40	0.40	<0.40	0.40	7317424
Dissolved Bismuth (Bi)	ug/L	<1.0	1.0	7317426	<1.0	1.0	<1.0	1.0	<1.0	1.0	7317424
Dissolved Boron (B)	ug/L	370	10	7317426	230	10	150	10	110	10	7317424
Dissolved Cadmium (Cd)	ug/L	<0.090	0.090	7317426	<0.090	0.090	<0.090	0.090	0.13	0.090	7317424
Dissolved Calcium (Ca)	ug/L	490000	1000	7317426	200000	200	200000	400	170000	200	7317424
Dissolved Chromium (Cr)	ug/L	<5.0	5.0	7317426	<5.0	5.0	<5.0	5.0	<5.0	5.0	7317424
Dissolved Cobalt (Co)	ug/L	<0.50	0.50	7317426	<0.50	0.50	0.52	0.50	<0.50	0.50	7317424
Dissolved Copper (Cu)	ug/L	<0.90	0.90	7317426	<0.90	0.90	<0.90	0.90	1.0	0.90	7317424
Dissolved Iron (Fe)	ug/L	<100	100	7317426	<100	100	2500	100	<100	100	7317424
Dissolved Lead (Pb)	ug/L	<0.50	0.50	7317426	<0.50	0.50	<0.50	0.50	<0.50	0.50	7317424
Dissolved Lithium (Li)	ug/L	68	5.0	7317426	27	5.0	6.1	5.0	5.6	5.0	7317424
Dissolved Magnesium (Mg)	ug/L	95000	50	7317426	67000	50	65000	50	57000	50	7317424
Dissolved Manganese (Mn)	ug/L	63	2.0	7317426	100	2.0	430	2.0	49	2.0	7317424
Dissolved Molybdenum (Mo)	ug/L	<0.50	0.50	7317426	3.3	0.50	0.75	0.50	3.2	0.50	7317424
Dissolved Nickel (Ni)	ug/L	<1.0	1.0	7317426	<1.0	1.0	1.7	1.0	2.7	1.0	7317424
Dissolved Phosphorus (P)	ug/L	<100	100	7317426	<100	100	<100	100	<100	100	7317424
Dissolved Potassium (K)	ug/L	12000	200	7317426	10000	200	6500	200	1200	200	7317424
Dissolved Selenium (Se)	ug/L	<2.0	2.0	7317426	<2.0	2.0	<2.0	2.0	<2.0	2.0	7317424
Dissolved Silicon (Si)	ug/L	3300	50	7317426	4600	50	4000	50	4100	50	7317424
Dissolved Silver (Ag)	ug/L	<0.090	0.090	7317426	<0.090	0.090	<0.090	0.090	<0.090	0.090	7317424
Dissolved Sodium (Na)	ug/L	110000	100	7317426	220000	100	37000	100	140000	100	7317424
Dissolved Strontium (Sr)	ug/L	6500	1.0	7317426	2800	1.0	5300	1.0	580	1.0	7317424
Dissolved Tellurium (Te)	ug/L	<1.0	1.0	7317426	<1.0	1.0	<1.0	1.0	<1.0	1.0	7317424
Dissolved Thallium (Tl)	ug/L	<0.050	0.050	7317426	<0.050	0.050	<0.050	0.050	<0.050	0.050	7317424
Dissolved Tin (Sn)	ug/L	<1.0	1.0	7317426	<1.0	1.0	<1.0	1.0	<1.0	1.0	7317424
Dissolved Titanium (Ti)	ug/L	<5.0	5.0	7317426	<5.0	5.0	<5.0	5.0	<5.0	5.0	7317424
Dissolved Tungsten (W)	ug/L	<1.0	1.0	7317426	<1.0	1.0	<1.0	1.0	<1.0	1.0	7317424
Dissolved Uranium (U)	ug/L	<0.10	0.10	7317426	2.1	0.10	5.7	0.10	5.7	0.10	7317424
Dissolved Vanadium (V)	ug/L	<0.50	0.50	7317426	<0.50	0.50	1.6	0.50	<0.50	0.50	7317424
Dissolved Zinc (Zn)	ug/L	<5.0	5.0	7317426	<5.0	5.0	41	5.0	8.2	5.0	7317424
Dissolved Zirconium (Zr)	ug/L	<1.0	1.0	7317426	<1.0	1.0	<1.0	1.0	<1.0	1.0	7317424
RDL = Reportable Detection Limit											
QC Batch = Quality Control Batch											



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

BV Labs ID		PJS034			PJS035		PJS036		
Sampling Date		2021/04/21			2021/04/21		2021/04/21		
COC Number		819873-13-01			819873-13-01		819873-13-01		
	UNITS	P7-IR	RDL	QC Batch	P7-II	RDL	P7-III	RDL	QC Batch
<b>Metals</b>									
Dissolved Aluminum (Al)	ug/L	<4.9	4.9	7317424	13	4.9	36	4.9	7317421
Dissolved Antimony (Sb)	ug/L	<0.50	0.50	7317424	<0.50	0.50	<0.50	0.50	7317421
Dissolved Arsenic (As)	ug/L	4.1	1.0	7317424	1.3	1.0	1.3	1.0	7317421
Dissolved Barium (Ba)	ug/L	41	2.0	7317424	28	2.0	53	2.0	7317421
Dissolved Beryllium (Be)	ug/L	<0.40	0.40	7317424	<0.40	0.40	<0.40	0.40	7317421
Dissolved Bismuth (Bi)	ug/L	<1.0	1.0	7317424	<1.0	1.0	<1.0	1.0	7317421
Dissolved Boron (B)	ug/L	500	10	7317424	440	10	710	10	7317421
Dissolved Cadmium (Cd)	ug/L	<0.090	0.090	7317424	<0.090	0.090	<0.090	0.090	7317421
Dissolved Calcium (Ca)	ug/L	190000	200	7317424	530000	1000	240000	200	7317421
Dissolved Chromium (Cr)	ug/L	<5.0	5.0	7317424	<5.0	5.0	<5.0	5.0	7317421
Dissolved Cobalt (Co)	ug/L	<0.50	0.50	7317424	<0.50	0.50	<0.50	0.50	7317421
Dissolved Copper (Cu)	ug/L	<0.90	0.90	7317424	<0.90	0.90	<0.90	0.90	7317421
Dissolved Iron (Fe)	ug/L	<100	100	7317424	<100	100	<100	100	7317421
Dissolved Lead (Pb)	ug/L	<0.50	0.50	7317424	<0.50	0.50	<0.50	0.50	7317421
Dissolved Lithium (Li)	ug/L	71	5.0	7317424	45	5.0	59	5.0	7317421
Dissolved Magnesium (Mg)	ug/L	11000	50	7317424	39000	50	29000	50	7317421
Dissolved Manganese (Mn)	ug/L	<2.0	2.0	7317424	8.6	2.0	5.3	2.0	7317421
Dissolved Molybdenum (Mo)	ug/L	32	0.50	7317424	17	0.50	15	0.50	7317421
Dissolved Nickel (Ni)	ug/L	13	1.0	7317424	4.5	1.0	6.8	1.0	7317421
Dissolved Phosphorus (P)	ug/L	<100	100	7317424	170	100	170	100	7317421
Dissolved Potassium (K)	ug/L	85000	200	7317424	64000	200	64000	200	7317421
Dissolved Selenium (Se)	ug/L	5.3	2.0	7317424	<2.0	2.0	<2.0	2.0	7317421
Dissolved Silicon (Si)	ug/L	6500	50	7317424	8000	50	6400	50	7317421
Dissolved Silver (Ag)	ug/L	<0.090	0.090	7317424	<0.090	0.090	<0.090	0.090	7317421
Dissolved Sodium (Na)	ug/L	300000	100	7317424	490000	500	730000	500	7317421
Dissolved Strontium (Sr)	ug/L	2800	1.0	7317424	4200	1.0	2800	1.0	7317421
Dissolved Tellurium (Te)	ug/L	<1.0	1.0	7317424	<1.0	1.0	<1.0	1.0	7317421
Dissolved Thallium (Tl)	ug/L	<0.050	0.050	7317424	<0.050	0.050	<0.050	0.050	7317421
Dissolved Tin (Sn)	ug/L	<1.0	1.0	7317424	<1.0	1.0	<1.0	1.0	7317421
Dissolved Titanium (Ti)	ug/L	<5.0	5.0	7317424	<5.0	5.0	<5.0	5.0	7317421
Dissolved Tungsten (W)	ug/L	13	1.0	7317424	5.4	1.0	7.3	1.0	7317421
Dissolved Uranium (U)	ug/L	<0.10	0.10	7317424	<0.10	0.10	0.35	0.10	7317421
Dissolved Vanadium (V)	ug/L	3.2	0.50	7317424	0.92	0.50	1.1	0.50	7317421
Dissolved Zinc (Zn)	ug/L	<5.0	5.0	7317424	<5.0	5.0	<5.0	5.0	7317421
Dissolved Zirconium (Zr)	ug/L	<1.0	1.0	7317424	<1.0	1.0	<1.0	1.0	7317421
RDL = Reportable Detection Limit									
QC Batch = Quality Control Batch									



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

BV Labs ID		PJS037			PJS038		PJS039	PJS040		
Sampling Date		2021/04/21			2021/04/21		2021/04/21	2021/04/21		
COC Number		819873-13-01			819873-13-01		819873-14-01	819873-14-01		
	UNITS	P7-IV	RDL	QC Batch	4-IV	RDL	4-I	3-I	RDL	QC Batch
<b>Metals</b>										
Dissolved Aluminum (Al)	ug/L	17	4.9	7317424	<4.9	4.9	93	<4.9	4.9	7317421
Dissolved Antimony (Sb)	ug/L	<0.50	0.50	7317424	<0.50	0.50	<0.50	<0.50	0.50	7317421
Dissolved Arsenic (As)	ug/L	1.6	1.0	7317424	<1.0	1.0	3.5	<1.0	1.0	7317421
Dissolved Barium (Ba)	ug/L	5.3	2.0	7317424	24	2.0	43	22	2.0	7317421
Dissolved Beryllium (Be)	ug/L	<0.40	0.40	7317424	<0.40	0.40	<0.40	<0.40	0.40	7317421
Dissolved Bismuth (Bi)	ug/L	<1.0	1.0	7317424	<1.0	1.0	<1.0	<1.0	1.0	7317421
Dissolved Boron (B)	ug/L	610	10	7317424	820	10	470	580	10	7317421
Dissolved Cadmium (Cd)	ug/L	<0.090	0.090	7317424	<0.090	0.090	<0.090	<0.090	0.090	7317421
Dissolved Calcium (Ca)	ug/L	54000	200	7317424	650000	1000	390000	390000	200	7317421
Dissolved Chromium (Cr)	ug/L	<5.0	5.0	7317424	<5.0	5.0	<5.0	<5.0	5.0	7317421
Dissolved Cobalt (Co)	ug/L	<0.50	0.50	7317424	<0.50	0.50	<0.50	<0.50	0.50	7317421
Dissolved Copper (Cu)	ug/L	<0.90	0.90	7317424	<0.90	0.90	<0.90	<0.90	0.90	7317421
Dissolved Iron (Fe)	ug/L	<100	100	7317424	<100	100	<100	540	100	7317421
Dissolved Lead (Pb)	ug/L	<0.50	0.50	7317424	<0.50	0.50	<0.50	<0.50	0.50	7317421
Dissolved Lithium (Li)	ug/L	19	5.0	7317424	130	5.0	80	93	5.0	7317421
Dissolved Magnesium (Mg)	ug/L	6400	50	7317424	75000	50	13000	98000	50	7317421
Dissolved Manganese (Mn)	ug/L	<2.0	2.0	7317424	95	2.0	8.6	140	2.0	7317421
Dissolved Molybdenum (Mo)	ug/L	40	0.50	7317424	<0.50	0.50	6.6	1.2	0.50	7317421
Dissolved Nickel (Ni)	ug/L	16	1.0	7317424	<1.0	1.0	13	1.1	1.0	7317421
Dissolved Phosphorus (P)	ug/L	<100	100	7317424	<100	100	120	<100	100	7317421
Dissolved Potassium (K)	ug/L	62000	200	7317424	57000	200	86000	22000	200	7317421
Dissolved Selenium (Se)	ug/L	5.5	2.0	7317424	<2.0	2.0	3.3	<2.0	2.0	7317421
Dissolved Silicon (Si)	ug/L	10000	50	7317424	4100	50	5900	5800	50	7317421
Dissolved Silver (Ag)	ug/L	<0.090	0.090	7317424	<0.090	0.090	<0.090	<0.090	0.090	7317421
Dissolved Sodium (Na)	ug/L	230000	100	7317424	770000	500	320000	350000	100	7317421
Dissolved Strontium (Sr)	ug/L	990	1.0	7317424	8400	1.0	3400	4300	1.0	7317421
Dissolved Tellurium (Te)	ug/L	<1.0	1.0	7317424	<1.0	1.0	<1.0	<1.0	1.0	7317421
Dissolved Thallium (Tl)	ug/L	<0.050	0.050	7317424	<0.050	0.050	<0.050	<0.050	0.050	7317421
Dissolved Tin (Sn)	ug/L	<1.0	1.0	7317424	<1.0	1.0	<1.0	<1.0	1.0	7317421
Dissolved Titanium (Ti)	ug/L	<5.0	5.0	7317424	<5.0	5.0	<5.0	<5.0	5.0	7317421
Dissolved Tungsten (W)	ug/L	17	1.0	7317424	<1.0	1.0	14	<1.0	1.0	7317421
Dissolved Uranium (U)	ug/L	<0.10	0.10	7317424	0.11	0.10	0.25	1.1	0.10	7317421
Dissolved Vanadium (V)	ug/L	1.0	0.50	7317424	<0.50	0.50	5.2	<0.50	0.50	7317421
Dissolved Zinc (Zn)	ug/L	<5.0	5.0	7317424	<5.0	5.0	<5.0	<5.0	5.0	7317421
Dissolved Zirconium (Zr)	ug/L	<1.0	1.0	7317424	<1.0	1.0	<1.0	<1.0	1.0	7317421
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										





BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

BV Labs ID		PJS041	PJS042	PJS042		PJS043		PJS044		
Sampling Date		2021/04/21	2021/04/21	2021/04/21		2021/04/21		2021/04/21		
COC Number		819873-14-01	819873-14-01	819873-14-01		819873-14-01		819873-14-01		
	UNITS	40-I	40-II	40-II Lab-Dup	QC Batch	40-III	RDL	29-I	RDL	QC Batch
<b>Metals</b>										
Dissolved Aluminum (Al)	ug/L	<4.9	13	<4.9	7317421	<4.9	4.9	<4.9	4.9	7317424
Dissolved Antimony (Sb)	ug/L	<0.50	<0.50	<0.50	7317421	<0.50	0.50	<0.50	0.50	7317424
Dissolved Arsenic (As)	ug/L	<1.0	<1.0	<1.0	7317421	<1.0	1.0	<1.0	1.0	7317424
Dissolved Barium (Ba)	ug/L	18	22	21	7317421	20	2.0	21	2.0	7317424
Dissolved Beryllium (Be)	ug/L	<0.40	<0.40	<0.40	7317421	<0.40	0.40	<0.40	0.40	7317424
Dissolved Bismuth (Bi)	ug/L	<1.0	<1.0	<1.0	7317421	<1.0	1.0	<1.0	1.0	7317424
Dissolved Boron (B)	ug/L	720	560	560	7317421	600	10	1000	10	7317424
Dissolved Cadmium (Cd)	ug/L	0.11	<0.090	<0.090	7317421	<0.090	0.090	<0.090	0.090	7317424
Dissolved Calcium (Ca)	ug/L	430000	370000	370000	7317421	360000	200	590000	1000	7317424
Dissolved Chromium (Cr)	ug/L	<5.0	<5.0	<5.0	7317421	<5.0	5.0	<5.0	5.0	7317424
Dissolved Cobalt (Co)	ug/L	<0.50	<0.50	<0.50	7317421	<0.50	0.50	<0.50	0.50	7317424
Dissolved Copper (Cu)	ug/L	1.4	<0.90	<0.90	7317421	<0.90	0.90	<0.90	0.90	7317424
Dissolved Iron (Fe)	ug/L	<100	570	570	7317421	680	100	<100	100	7317424
Dissolved Lead (Pb)	ug/L	0.98	<0.50	<0.50	7317421	<0.50	0.50	<0.50	0.50	7317424
Dissolved Lithium (Li)	ug/L	93	90	91	7317421	80	5.0	76	5.0	7317424
Dissolved Magnesium (Mg)	ug/L	75000	96000	98000	7317421	92000	50	78000	50	7317424
Dissolved Manganese (Mn)	ug/L	57	140	140	7317421	130	2.0	120	2.0	7317424
Dissolved Molybdenum (Mo)	ug/L	3.9	1.1	1.1	7317421	2.6	0.50	<0.50	0.50	7317424
Dissolved Nickel (Ni)	ug/L	1.4	<1.0	<1.0	7317421	1.0	1.0	1.4	1.0	7317424
Dissolved Phosphorus (P)	ug/L	<100	<100	<100	7317421	<100	100	<100	100	7317424
Dissolved Potassium (K)	ug/L	24000	22000	22000	7317421	21000	200	36000	200	7317424
Dissolved Selenium (Se)	ug/L	<2.0	<2.0	<2.0	7317421	<2.0	2.0	<2.0	2.0	7317424
Dissolved Silicon (Si)	ug/L	4900	5500	5600	7317421	5500	50	4600	50	7317424
Dissolved Silver (Ag)	ug/L	<0.090	<0.090	<0.090	7317421	<0.090	0.090	<0.090	0.090	7317424
Dissolved Sodium (Na)	ug/L	300000	340000	340000	7317421	320000	100	440000	100	7317424
Dissolved Strontium (Sr)	ug/L	3700	4300	4400	7317421	4100	1.0	4900	1.0	7317424
Dissolved Tellurium (Te)	ug/L	<1.0	<1.0	<1.0	7317421	<1.0	1.0	<1.0	1.0	7317424
Dissolved Thallium (Tl)	ug/L	<0.050	<0.050	<0.050	7317421	<0.050	0.050	<0.050	0.050	7317424
Dissolved Tin (Sn)	ug/L	<1.0	<1.0	<1.0	7317421	<1.0	1.0	<1.0	1.0	7317424
Dissolved Titanium (Ti)	ug/L	<5.0	<5.0	<5.0	7317421	<5.0	5.0	<5.0	5.0	7317424
Dissolved Tungsten (W)	ug/L	<1.0	<1.0	<1.0	7317421	<1.0	1.0	<1.0	1.0	7317424
Dissolved Uranium (U)	ug/L	1.2	1.0	1.0	7317421	1.2	0.10	<0.10	0.10	7317424
Dissolved Vanadium (V)	ug/L	<0.50	<0.50	<0.50	7317421	<0.50	0.50	<0.50	0.50	7317424
Dissolved Zinc (Zn)	ug/L	<5.0	<5.0	<5.0	7317421	8.0	5.0	<5.0	5.0	7317424
Dissolved Zirconium (Zr)	ug/L	<1.0	<1.0	<1.0	7317421	<1.0	1.0	<1.0	1.0	7317424

RDL = Reportable Detection Limit  
QC Batch = Quality Control Batch  
Lab-Dup = Laboratory Initiated Duplicate





BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

BV Labs ID		PJS045	PJS045		PJS046		PJS047		
Sampling Date		2021/04/21	2021/04/21		2021/04/21		2021/04/21		
COC Number		819873-14-01	819873-14-01		819873-14-01		819873-14-01		
	UNITS	29-II	29-II Lab-Dup	RDL	29-IV	QC Batch	12-IV	RDL	QC Batch
<b>Metals</b>									
Dissolved Aluminum (Al)	ug/L	<4.9	<4.9	4.9	<4.9	7317424	<4.9	4.9	7317421
Dissolved Antimony (Sb)	ug/L	2.3	2.4	0.50	<0.50	7317424	<0.50	0.50	7317421
Dissolved Arsenic (As)	ug/L	<1.0	<1.0	1.0	<1.0	7317424	<1.0	1.0	7317421
Dissolved Barium (Ba)	ug/L	68	67	2.0	25	7317424	25	2.0	7317421
Dissolved Beryllium (Be)	ug/L	<0.40	<0.40	0.40	<0.40	7317424	<0.40	0.40	7317421
Dissolved Bismuth (Bi)	ug/L	<1.0	<1.0	1.0	<1.0	7317424	<1.0	1.0	7317421
Dissolved Boron (B)	ug/L	460	470	10	770	7317424	700	10	7317421
Dissolved Cadmium (Cd)	ug/L	0.23	0.20	0.090	<0.090	7317424	<0.090	0.090	7317421
Dissolved Calcium (Ca)	ug/L	270000	270000	200	580000	7317424	620000	1000	7317421
Dissolved Chromium (Cr)	ug/L	<5.0	<5.0	5.0	<5.0	7317424	<5.0	5.0	7317421
Dissolved Cobalt (Co)	ug/L	0.60	0.58	0.50	<0.50	7317424	<0.50	0.50	7317421
Dissolved Copper (Cu)	ug/L	2.6	2.6	0.90	<0.90	7317424	<0.90	0.90	7317421
Dissolved Iron (Fe)	ug/L	<100	<100	100	320	7317424	350	100	7317421
Dissolved Lead (Pb)	ug/L	0.83	0.82	0.50	<0.50	7317424	<0.50	0.50	7317421
Dissolved Lithium (Li)	ug/L	44	44	5.0	60	7317424	63	5.0	7317421
Dissolved Magnesium (Mg)	ug/L	68000	68000	50	75000	7317424	76000	50	7317421
Dissolved Manganese (Mn)	ug/L	110	110	2.0	240	7317424	240	2.0	7317421
Dissolved Molybdenum (Mo)	ug/L	26	26	0.50	<0.50	7317424	<0.50	0.50	7317421
Dissolved Nickel (Ni)	ug/L	6.0	5.9	1.0	1.2	7317424	1.3	1.0	7317421
Dissolved Phosphorus (P)	ug/L	<100	<100	100	<100	7317424	<100	100	7317421
Dissolved Potassium (K)	ug/L	23000	22000	200	35000	7317424	36000	200	7317421
Dissolved Selenium (Se)	ug/L	<2.0	<2.0	2.0	<2.0	7317424	<2.0	2.0	7317421
Dissolved Silicon (Si)	ug/L	1700	1700	50	6000	7317424	5900	50	7317421
Dissolved Silver (Ag)	ug/L	<0.090	<0.090	0.090	<0.090	7317424	<0.090	0.090	7317421
Dissolved Sodium (Na)	ug/L	250000	250000	100	460000	7317424	480000	100	7317421
Dissolved Strontium (Sr)	ug/L	2800	2700	1.0	5100	7317424	5000	1.0	7317421
Dissolved Tellurium (Te)	ug/L	<1.0	<1.0	1.0	<1.0	7317424	<1.0	1.0	7317421
Dissolved Thallium (Tl)	ug/L	0.21	0.23	0.050	<0.050	7317424	<0.050	0.050	7317421
Dissolved Tin (Sn)	ug/L	3.2	3.2	1.0	<1.0	7317424	<1.0	1.0	7317421
Dissolved Titanium (Ti)	ug/L	<5.0	<5.0	5.0	<5.0	7317424	<5.0	5.0	7317421
Dissolved Tungsten (W)	ug/L	<1.0	<1.0	1.0	<1.0	7317424	<1.0	1.0	7317421
Dissolved Uranium (U)	ug/L	1.8	1.8	0.10	0.20	7317424	0.22	0.10	7317421
Dissolved Vanadium (V)	ug/L	<0.50	<0.50	0.50	<0.50	7317424	<0.50	0.50	7317421
Dissolved Zinc (Zn)	ug/L	51	51	5.0	<5.0	7317424	<5.0	5.0	7317421
Dissolved Zirconium (Zr)	ug/L	<1.0	<1.0	1.0	<1.0	7317424	<1.0	1.0	7317421
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate									



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

BV Labs ID		PJS048		PJS049			PJS050		PJS051		
Sampling Date		2021/04/21		2021/04/21			2021/04/21		2021/04/21		
COC Number		819873-14-01		819873-15-01			819873-15-01		819873-15-01		
	UNITS	P3-III	RDL	47-I	RDL	QC Batch	47-IIR	RDL	47-III	RDL	QC Batch
<b>Metals</b>											
Dissolved Aluminum (Al)	ug/L	9.4	4.9	<4.9	4.9	7317421	<4.9	4.9	<4.9	4.9	7317424
Dissolved Antimony (Sb)	ug/L	<0.50	0.50	<0.50	0.50	7317421	<0.50	0.50	<0.50	0.50	7317424
Dissolved Arsenic (As)	ug/L	<1.0	1.0	<1.0	1.0	7317421	<1.0	1.0	<1.0	1.0	7317424
Dissolved Barium (Ba)	ug/L	37	2.0	17	2.0	7317421	61	2.0	21	2.0	7317424
Dissolved Beryllium (Be)	ug/L	<0.40	0.40	<0.40	0.40	7317421	<0.40	0.40	<0.40	0.40	7317424
Dissolved Bismuth (Bi)	ug/L	<1.0	1.0	<1.0	1.0	7317421	<1.0	1.0	<1.0	1.0	7317424
Dissolved Boron (B)	ug/L	310	10	810	10	7317421	150	10	1300	10	7317424
Dissolved Cadmium (Cd)	ug/L	0.21	0.090	<0.090	0.090	7317421	<0.090	0.090	<0.090	0.090	7317424
Dissolved Calcium (Ca)	ug/L	340000	400	580000	1000	7317421	170000	200	450000	400	7317424
Dissolved Chromium (Cr)	ug/L	<5.0	5.0	<5.0	5.0	7317421	<5.0	5.0	<5.0	5.0	7317424
Dissolved Cobalt (Co)	ug/L	<0.50	0.50	<0.50	0.50	7317421	<0.50	0.50	<0.50	0.50	7317424
Dissolved Copper (Cu)	ug/L	<0.90	0.90	<0.90	0.90	7317421	<0.90	0.90	<0.90	0.90	7317424
Dissolved Iron (Fe)	ug/L	390	100	<100	100	7317421	<100	100	<100	100	7317424
Dissolved Lead (Pb)	ug/L	<0.50	0.50	<0.50	0.50	7317421	1.3	0.50	<0.50	0.50	7317424
Dissolved Lithium (Li)	ug/L	62	5.0	96	5.0	7317421	<5.0	5.0	55	5.0	7317424
Dissolved Magnesium (Mg)	ug/L	110000	50	95000	50	7317421	41000	50	78000	50	7317424
Dissolved Manganese (Mn)	ug/L	110	2.0	110	2.0	7317421	95	2.0	64	2.0	7317424
Dissolved Molybdenum (Mo)	ug/L	0.66	0.50	<0.50	0.50	7317421	3.3	0.50	<0.50	0.50	7317424
Dissolved Nickel (Ni)	ug/L	4.6	1.0	<1.0	1.0	7317421	1.4	1.0	<1.0	1.0	7317424
Dissolved Phosphorus (P)	ug/L	<100	100	<100	100	7317421	<100	100	<100	100	7317424
Dissolved Potassium (K)	ug/L	20000	200	25000	200	7317421	4000	200	15000	200	7317424
Dissolved Selenium (Se)	ug/L	<2.0	2.0	<2.0	2.0	7317421	<2.0	2.0	<2.0	2.0	7317424
Dissolved Silicon (Si)	ug/L	5100	50	3700	50	7317421	4300	50	4400	50	7317424
Dissolved Silver (Ag)	ug/L	<0.090	0.090	<0.090	0.090	7317421	<0.090	0.090	<0.090	0.090	7317424
Dissolved Sodium (Na)	ug/L	330000	100	300000	100	7317421	130000	100	160000	100	7317424
Dissolved Strontium (Sr)	ug/L	6300	1.0	4400	1.0	7317421	2800	1.0	5900	1.0	7317424
Dissolved Tellurium (Te)	ug/L	<1.0	1.0	<1.0	1.0	7317421	<1.0	1.0	<1.0	1.0	7317424
Dissolved Thallium (Tl)	ug/L	<0.050	0.050	<0.050	0.050	7317421	<0.050	0.050	<0.050	0.050	7317424
Dissolved Tin (Sn)	ug/L	<1.0	1.0	<1.0	1.0	7317421	<1.0	1.0	<1.0	1.0	7317424
Dissolved Titanium (Ti)	ug/L	<5.0	5.0	<5.0	5.0	7317421	<5.0	5.0	<5.0	5.0	7317424
Dissolved Tungsten (W)	ug/L	<1.0	1.0	<1.0	1.0	7317421	<1.0	1.0	<1.0	1.0	7317424
Dissolved Uranium (U)	ug/L	0.32	0.10	0.19	0.10	7317421	2.8	0.10	0.19	0.10	7317424
Dissolved Vanadium (V)	ug/L	<0.50	0.50	<0.50	0.50	7317421	<0.50	0.50	<0.50	0.50	7317424
Dissolved Zinc (Zn)	ug/L	<5.0	5.0	<5.0	5.0	7317421	220	5.0	<5.0	5.0	7317424
Dissolved Zirconium (Zr)	ug/L	<1.0	1.0	<1.0	1.0	7317421	<1.0	1.0	<1.0	1.0	7317424
RDL = Reportable Detection Limit											
QC Batch = Quality Control Batch											



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

BV Labs ID		PJS052		PJS053		PJS054			PJS055		
Sampling Date		2021/04/21		2021/04/21		2021/04/21			2021/04/21		
COC Number		819873-15-01		819873-15-01		819873-15-01			819873-15-01		
	UNITS	61-I	QC Batch	61-III	RDL	48-I	RDL	QC Batch	48-II	RDL	QC Batch
<b>Metals</b>											
Dissolved Aluminum (Al)	ug/L	<4.9	7317421	<4.9	4.9	<4.9	4.9	7317424	<4.9	4.9	7317421
Dissolved Antimony (Sb)	ug/L	<0.50	7317421	<0.50	0.50	<0.50	0.50	7317424	<0.50	0.50	7317421
Dissolved Arsenic (As)	ug/L	<1.0	7317421	<1.0	1.0	<1.0	1.0	7317424	<1.0	1.0	7317421
Dissolved Barium (Ba)	ug/L	15	7317421	21	2.0	13	2.0	7317424	32	2.0	7317421
Dissolved Beryllium (Be)	ug/L	<0.40	7317421	<0.40	0.40	<0.40	0.40	7317424	<0.40	0.40	7317421
Dissolved Bismuth (Bi)	ug/L	<1.0	7317421	<1.0	1.0	<1.0	1.0	7317424	<1.0	1.0	7317421
Dissolved Boron (B)	ug/L	1500	7317421	2400	10	2200	10	7317424	1400	10	7317421
Dissolved Cadmium (Cd)	ug/L	<0.090	7317421	<0.090	0.090	<0.090	0.090	7317424	<0.090	0.090	7317421
Dissolved Calcium (Ca)	ug/L	660000	7317421	720000	1000	830000	1000	7317424	570000	1000	7317421
Dissolved Chromium (Cr)	ug/L	<5.0	7317421	<5.0	5.0	<5.0	5.0	7317424	<5.0	5.0	7317421
Dissolved Cobalt (Co)	ug/L	<0.50	7317421	<0.50	0.50	<0.50	0.50	7317424	<0.50	0.50	7317421
Dissolved Copper (Cu)	ug/L	<0.90	7317421	<0.90	0.90	<0.90	0.90	7317424	<0.90	0.90	7317421
Dissolved Iron (Fe)	ug/L	<100	7317421	190	100	<100	100	7317424	<100	100	7317421
Dissolved Lead (Pb)	ug/L	<0.50	7317421	<0.50	0.50	<0.50	0.50	7317424	<0.50	0.50	7317421
Dissolved Lithium (Li)	ug/L	250	7317421	200	5.0	730	25	7317424	160	5.0	7317421
Dissolved Magnesium (Mg)	ug/L	110000	7317421	95000	50	200000	50	7317424	98000	50	7317421
Dissolved Manganese (Mn)	ug/L	100	7317421	72	2.0	97	2.0	7317424	140	2.0	7317421
Dissolved Molybdenum (Mo)	ug/L	<0.50	7317421	<0.50	0.50	<0.50	0.50	7317424	<0.50	0.50	7317421
Dissolved Nickel (Ni)	ug/L	<1.0	7317421	<1.0	1.0	<1.0	1.0	7317424	<1.0	1.0	7317421
Dissolved Phosphorus (P)	ug/L	<100	7317421	<100	100	<100	100	7317424	<100	100	7317421
Dissolved Potassium (K)	ug/L	29000	7317421	29000	200	28000	200	7317424	16000	200	7317421
Dissolved Selenium (Se)	ug/L	<2.0	7317421	<2.0	2.0	<2.0	2.0	7317424	<2.0	2.0	7317421
Dissolved Silicon (Si)	ug/L	3900	7317421	3700	50	4000	50	7317424	4700	50	7317421
Dissolved Silver (Ag)	ug/L	<0.090	7317421	<0.090	0.090	<0.090	0.090	7317424	<0.090	0.090	7317421
Dissolved Sodium (Na)	ug/L	440000	7317421	330000	100	710000	500	7317424	360000	100	7317421
Dissolved Strontium (Sr)	ug/L	5800	7317421	9100	1.0	12000	1.0	7317424	5000	1.0	7317421
Dissolved Tellurium (Te)	ug/L	<1.0	7317421	<1.0	1.0	<1.0	1.0	7317424	<1.0	1.0	7317421
Dissolved Thallium (Tl)	ug/L	<0.050	7317421	<0.050	0.050	<0.050	0.050	7317424	<0.050	0.050	7317421
Dissolved Tin (Sn)	ug/L	<1.0	7317421	<1.0	1.0	<1.0	1.0	7317424	<1.0	1.0	7317421
Dissolved Titanium (Ti)	ug/L	<5.0	7317421	<5.0	5.0	<5.0	5.0	7317424	<5.0	5.0	7317421
Dissolved Tungsten (W)	ug/L	<1.0	7317421	<1.0	1.0	<1.0	1.0	7317424	<1.0	1.0	7317421
Dissolved Uranium (U)	ug/L	<0.10	7317421	0.25	0.10	0.47	0.10	7317424	0.68	0.10	7317421
Dissolved Vanadium (V)	ug/L	<0.50	7317421	<0.50	0.50	<0.50	0.50	7317424	<0.50	0.50	7317421
Dissolved Zinc (Zn)	ug/L	<5.0	7317421	<5.0	5.0	<5.0	5.0	7317424	<5.0	5.0	7317421
Dissolved Zirconium (Zr)	ug/L	<1.0	7317421	<1.0	1.0	<1.0	1.0	7317424	<1.0	1.0	7317421
RDL = Reportable Detection Limit											
QC Batch = Quality Control Batch											



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

BV Labs ID		PJS056		PJS057	PJS058		PJS059		
Sampling Date		2021/04/21		2021/04/21	2021/04/21		2021/04/21		
COC Number		819873-15-01		819873-15-01	819873-15-01		819873-17-01		
	UNITS	48-IV	RDL	48-V	11-I	RDL	11-II	RDL	QC Batch
<b>Metals</b>									
Dissolved Aluminum (Al)	ug/L	<4.9	4.9	<4.9	<4.9	4.9	<4.9	4.9	7317424
Dissolved Antimony (Sb)	ug/L	<0.50	0.50	<0.50	<0.50	0.50	<0.50	0.50	7317424
Dissolved Arsenic (As)	ug/L	<1.0	1.0	<1.0	<1.0	1.0	<1.0	1.0	7317424
Dissolved Barium (Ba)	ug/L	55	2.0	34	16	2.0	13	2.0	7317424
Dissolved Beryllium (Be)	ug/L	<0.40	0.40	<0.40	<0.40	0.40	<0.40	0.40	7317424
Dissolved Bismuth (Bi)	ug/L	<1.0	1.0	<1.0	<1.0	1.0	<1.0	1.0	7317424
Dissolved Boron (B)	ug/L	95	10	1200	870	10	2300	10	7317424
Dissolved Cadmium (Cd)	ug/L	0.21	0.090	<0.090	<0.090	0.090	<0.090	0.090	7317424
Dissolved Calcium (Ca)	ug/L	290000	200	550000	570000	1000	820000	1000	7317424
Dissolved Chromium (Cr)	ug/L	<5.0	5.0	<5.0	<5.0	5.0	<5.0	5.0	7317424
Dissolved Cobalt (Co)	ug/L	<0.50	0.50	<0.50	<0.50	0.50	<0.50	0.50	7317424
Dissolved Copper (Cu)	ug/L	<0.90	0.90	<0.90	<0.90	0.90	<0.90	0.90	7317424
Dissolved Iron (Fe)	ug/L	110	100	550	<100	100	<100	100	7317424
Dissolved Lead (Pb)	ug/L	<0.50	0.50	<0.50	<0.50	0.50	<0.50	0.50	7317424
Dissolved Lithium (Li)	ug/L	43	5.0	120	90	5.0	730	25	7317424
Dissolved Magnesium (Mg)	ug/L	100000	50	92000	93000	50	200000	50	7317424
Dissolved Manganese (Mn)	ug/L	100	2.0	150	100	2.0	98	2.0	7317424
Dissolved Molybdenum (Mo)	ug/L	1.6	0.50	<0.50	<0.50	0.50	<0.50	0.50	7317424
Dissolved Nickel (Ni)	ug/L	1.9	1.0	<1.0	<1.0	1.0	<1.0	1.0	7317424
Dissolved Phosphorus (P)	ug/L	<100	100	<100	<100	100	<100	100	7317424
Dissolved Potassium (K)	ug/L	4800	200	13000	25000	200	28000	200	7317424
Dissolved Selenium (Se)	ug/L	<2.0	2.0	<2.0	<2.0	2.0	3.0	2.0	7317424
Dissolved Silicon (Si)	ug/L	6300	50	4900	3700	50	4000	50	7317424
Dissolved Silver (Ag)	ug/L	<0.090	0.090	<0.090	<0.090	0.090	<0.090	0.090	7317424
Dissolved Sodium (Na)	ug/L	390000	100	370000	290000	100	700000	500	7317424
Dissolved Strontium (Sr)	ug/L	2000	1.0	4600	4500	1.0	12000	1.0	7317424
Dissolved Tellurium (Te)	ug/L	<1.0	1.0	<1.0	<1.0	1.0	<1.0	1.0	7317424
Dissolved Thallium (Tl)	ug/L	<0.050	0.050	<0.050	<0.050	0.050	<0.050	0.050	7317424
Dissolved Tin (Sn)	ug/L	<1.0	1.0	<1.0	<1.0	1.0	<1.0	1.0	7317424
Dissolved Titanium (Ti)	ug/L	<5.0	5.0	<5.0	<5.0	5.0	<5.0	5.0	7317424
Dissolved Tungsten (W)	ug/L	1.3	1.0	<1.0	<1.0	1.0	<1.0	1.0	7317424
Dissolved Uranium (U)	ug/L	8.3	0.10	1.2	0.18	0.10	0.49	0.10	7317424
Dissolved Vanadium (V)	ug/L	<0.50	0.50	<0.50	<0.50	0.50	<0.50	0.50	7317424
Dissolved Zinc (Zn)	ug/L	110	5.0	<5.0	<5.0	5.0	<5.0	5.0	7317424
Dissolved Zirconium (Zr)	ug/L	<1.0	1.0	<1.0	<1.0	1.0	<1.0	1.0	7317424
RDL = Reportable Detection Limit									
QC Batch = Quality Control Batch									



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### SEMI-VOLATILE ORGANICS BY GC-MS (WATER)

BV Labs ID		PJS049	PJS050	PJS051	PJS051		
Sampling Date		2021/04/21	2021/04/21	2021/04/21	2021/04/21		
COC Number		819873-15-01	819873-15-01	819873-15-01	819873-15-01		
	UNITS	47-I	47-IIR	47-III	47-III Lab-Dup	RDL	QC Batch
<b>Semivolatiles Organics</b>							
Acenaphthene	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	7327273
Acenaphthylene	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	7327273
Anthracene	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	7327273
Benzo(a)anthracene	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	7327273
Benzo(a)pyrene	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	7327273
Benzo(b/j)fluoranthene	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	7327273
Benzo(g,h,i)perylene	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	7327273
Benzo(k)fluoranthene	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	7327273
1-Chloronaphthalene	ug/L	<1.0	<1.0	<1.0	<1.0	1.0	7327273
2-Chloronaphthalene	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	7327273
Chrysene	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	7327273
Dibenzo(a,h)anthracene	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	7327273
Fluoranthene	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	7327273
Fluorene	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	7327273
Indeno(1,2,3-cd)pyrene	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	7327273
1-Methylnaphthalene	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	7327273
2-Methylnaphthalene	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	7327273
Naphthalene	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	7327273
5-Nitroacenaphthene	ug/L	<1.0	<1.0	<1.0	<1.0	1.0	7327273
Perylene	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	7327273
Phenanthrene	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	7327273
Pyrene	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	7327273
1,2-Dichlorobenzene	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	7327273
1,3-Dichlorobenzene	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	7327273
1,4-Dichlorobenzene	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	7327273
Hexachlorobenzene	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	7327273
Pentachlorobenzene	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	7327273
1,2,3,5-Tetrachlorobenzene	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	7327273
1,2,4,5-Tetrachlorobenzene	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	7327273
1,2,3-Trichlorobenzene	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	7327273
1,2,4-Trichlorobenzene	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	7327273
1,3,5-Trichlorobenzene	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	7327273
2-Chlorophenol	ug/L	<0.30	<0.30	<0.30	<0.30	0.30	7327273
4-Chloro-3-Methylphenol	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	7327273
m/p-Cresol	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	7327273
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate							



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### SEMI-VOLATILE ORGANICS BY GC-MS (WATER)

BV Labs ID		PJS049	PJS050	PJS051	PJS051		
Sampling Date		2021/04/21	2021/04/21	2021/04/21	2021/04/21		
COC Number		819873-15-01	819873-15-01	819873-15-01	819873-15-01		
	UNITS	47-I	47-IIR	47-III	47-III Lab-Dup	RDL	QC Batch
o-Cresol	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	7327273
1,2,3,4-Tetrachlorobenzene	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	7327273
2,3-Dichlorophenol	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	7327273
2,4-Dichlorophenol	ug/L	<0.30	<0.30	<0.30	<0.30	0.30	7327273
2,5-Dichlorophenol	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	7327273
2,6-Dichlorophenol	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	7327273
3,4-Dichlorophenol	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	7327273
3,5-Dichlorophenol	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	7327273
2,4-Dimethylphenol	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	7327273
2,4-Dinitrophenol	ug/L	<2.0	<2.0	<2.0	<2.0	2.0	7327273
4,6-Dinitro-2-methylphenol	ug/L	<2.0	<2.0	<2.0	<2.0	2.0	7327273
2-Nitrophenol	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	7327273
4-Nitrophenol	ug/L	<1.4	<1.4	<1.4	<1.4	1.4	7327273
Pentachlorophenol	ug/L	<1.0	<1.0	<1.0	<1.0	1.0	7327273
Phenol	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	7327273
2,3,4,5-Tetrachlorophenol	ug/L	<0.40	<0.40	<0.40	<0.40	0.40	7327273
2,3,4,6-Tetrachlorophenol	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	7327273
2,3,5,6-Tetrachlorophenol	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	7327273
2,3,4-Trichlorophenol	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	7327273
2,3,5-Trichlorophenol	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	7327273
2,3,6-Trichlorophenol	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	7327273
2,4,5-Trichlorophenol	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	7327273
2,4,6-Trichlorophenol	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	7327273
3,4,5-Trichlorophenol	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	7327273
Benzyl butyl phthalate	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	7327273
Biphenyl	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	7327273
Bis(2-chloroethyl)ether	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	7327273
Bis(2-chloroethoxy)methane	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	7327273
Bis(2-chloroisopropyl)ether	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	7327273
Bis(2-ethylhexyl)phthalate	ug/L	<2.0	<2.0	<2.0	<2.0	2.0	7327273
4-Bromophenyl phenyl ether	ug/L	<0.30	<0.30	<0.30	<0.30	0.30	7327273
p-Chloroaniline	ug/L	<1.0	<1.0	<1.0	<1.0	1.0	7327273
4-Chlorophenyl phenyl ether	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	7327273
Di-N-butyl phthalate	ug/L	<2.0	<2.0	<2.0	<2.0	2.0	7327273
di-n-octyl phthalate	ug/L	<0.80	<0.80	<0.80	<0.80	0.80	7327273
2,4-Dinitrotoluene	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	7327273

RDL = Reportable Detection Limit  
QC Batch = Quality Control Batch  
Lab-Dup = Laboratory Initiated Duplicate



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

**SEMI-VOLATILE ORGANICS BY GC-MS (WATER)**

BV Labs ID		PJS049	PJS050	PJS051	PJS051		
Sampling Date		2021/04/21	2021/04/21	2021/04/21	2021/04/21		
COC Number		819873-15-01	819873-15-01	819873-15-01	819873-15-01		
	UNITS	47-I	47-IIR	47-III	47-III Lab-Dup	RDL	QC Batch
Diethyl phthalate	ug/L	<1.0	<1.0	<1.0	<1.0	1.0	7327273
3,3'-Dichlorobenzidine	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	7327273
Dimethyl phthalate	ug/L	<1.0	<1.0	<1.0	<1.0	1.0	7327273
2,6-Dinitrotoluene	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	7327273
Diphenyl Ether	ug/L	<0.30	<0.30	<0.30	<0.30	0.30	7327273
Hexachlorobutadiene	ug/L	<0.40	<0.40	<0.40	<0.40	0.40	7327273
Hexachlorocyclopentadiene	ug/L	<2.0	<2.0	<2.0	<2.0	2.0	7327273
Hexachloroethane	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	7327273
Isophorone	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	7327273
Nitrobenzene	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	7327273
Nitrosodiphenylamine/Diphenylamine	ug/L	<1.0	<1.0	<1.0	<1.0	1.0	7327273
N-Nitroso-di-n-propylamine	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	7327273
<b>Surrogate Recovery (%)</b>							
2,4,6-Tribromophenol	%	54	52	55	70		7327273
2-Fluorobiphenyl	%	62	69	63	66		7327273
2-Fluorophenol	%	24	19	20	34		7327273
D14-Terphenyl	%	94	93	92	95		7327273
D5-Nitrobenzene	%	79	82	76	78		7327273
D5-Phenol	%	19	15	16	21		7327273
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate							





BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### VOLATILE ORGANICS BY GC/MS (WATER)

BV Labs ID		PJS049		PJS050	PJS050		PJS051		
Sampling Date		2021/04/21		2021/04/21	2021/04/21		2021/04/21		
COC Number		819873-15-01		819873-15-01	819873-15-01		819873-15-01		
	UNITS	47-I	RDL	47-IIR	47-IIR Lab-Dup	RDL	47-III	RDL	QC Batch
<b>Volatile Organics</b>									
Acetone (2-Propanone)	ug/L	<10	10	<10	<10	10	<10	10	7315367
Benzene	ug/L	<0.10	0.10	<0.10	<0.10	0.10	<0.10	0.10	7315367
Bromodichloromethane	ug/L	<0.10	0.10	<0.10	<0.10	0.10	<0.10	0.10	7315367
Acrolein	ug/L	<10	10	<10	<10	10	<10	10	7315375
Bromoform	ug/L	<0.20	0.20	<0.20	<0.20	0.20	<0.20	0.20	7315367
Bromomethane	ug/L	<0.50	0.50	<0.50	<0.50	0.50	<0.50	0.50	7315367
Carbon Tetrachloride	ug/L	<0.10	0.10	<0.10	<0.10	0.10	<0.10	0.10	7315367
Chlorobenzene	ug/L	<0.10	0.10	<0.10	<0.10	0.10	<0.10	0.10	7315367
Chloroethane	ug/L	<2.0 (1)	2.0	<0.20	<0.20	0.20	<5.0 (1)	5.0	7315367
Chloroform	ug/L	<0.10	0.10	<0.10	<0.10	0.10	<0.10	0.10	7315367
Acrylonitrile	ug/L	<5.0	5.0	<5.0	<5.0	5.0	<5.0	5.0	7315375
Chloromethane	ug/L	<0.50	0.50	<0.50	<0.50	0.50	<0.50	0.50	7315367
Dibromochloromethane	ug/L	<0.20	0.20	<0.20	<0.20	0.20	<0.20	0.20	7315367
1,2-Dichlorobenzene	ug/L	<0.20	0.20	<0.20	<0.20	0.20	<0.20	0.20	7315367
1,3-Dichlorobenzene	ug/L	<0.20	0.20	<0.20	<0.20	0.20	<0.20	0.20	7315367
1,4-Dichlorobenzene	ug/L	<0.20	0.20	<0.20	<0.20	0.20	<0.20	0.20	7315367
1,1-Dichloroethane	ug/L	<0.10	0.10	<0.10	<0.10	0.10	<0.10	0.10	7315367
1,2-Dichloroethane	ug/L	<0.20	0.20	<0.20	<0.20	0.20	<0.20	0.20	7315367
1,1-Dichloroethylene	ug/L	<0.10	0.10	<0.10	<0.10	0.10	<0.10	0.10	7315367
cis-1,2-Dichloroethylene	ug/L	<0.10	0.10	<0.10	<0.10	0.10	<0.10	0.10	7315367
trans-1,2-Dichloroethylene	ug/L	<0.10	0.10	<0.10	<0.10	0.10	<0.10	0.10	7315367
1,2-Dichloropropane	ug/L	<0.10	0.10	<0.10	<0.10	0.10	<0.10	0.10	7315367
cis-1,3-Dichloropropene	ug/L	<0.20	0.20	<0.20	<0.20	0.20	<0.20	0.20	7315367
trans-1,3-Dichloropropene	ug/L	<0.20	0.20	<0.20	<0.20	0.20	<0.20	0.20	7315367
Ethylbenzene	ug/L	<0.10	0.10	<0.10	<0.10	0.10	<0.10	0.10	7315367
Ethylene Dibromide	ug/L	<0.20	0.20	<0.20	<0.20	0.20	<0.20	0.20	7315367
Methylene Chloride(Dichloromethane)	ug/L	<0.50	0.50	<0.50	<0.50	0.50	<0.50	0.50	7315367
Methyl Ethyl Ketone (2-Butanone)	ug/L	<5.0	5.0	<5.0	<5.0	5.0	<5.0	5.0	7315367
Methyl Isobutyl Ketone	ug/L	<5.0	5.0	<5.0	<5.0	5.0	<5.0	5.0	7315367
Methyl t-butyl ether (MTBE)	ug/L	<0.20	0.20	<0.20	<0.20	0.20	<0.20	0.20	7315367
Styrene	ug/L	<0.20	0.20	<0.20	<0.20	0.20	<0.20	0.20	7315367
1,1,1,2-Tetrachloroethane	ug/L	<0.20	0.20	<0.20	<0.20	0.20	<0.20	0.20	7315367
1,1,2,2-Tetrachloroethane	ug/L	<0.20	0.20	<0.20	<0.20	0.20	<0.20	0.20	7315367
Tetrachloroethylene	ug/L	<0.10	0.10	<0.10	<0.10	0.10	<0.10	0.10	7315367
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate (1) The detection limit was raised due to background interferences.									





**VOLATILE ORGANICS BY GC/MS (WATER)**

BV Labs ID		PJS049		PJS050	PJS050		PJS051		
Sampling Date		2021/04/21		2021/04/21	2021/04/21		2021/04/21		
COC Number		819873-15-01		819873-15-01	819873-15-01		819873-15-01		
	UNITS	47-I	RDL	47-IIR	47-IIR Lab-Dup	RDL	47-III	RDL	QC Batch
Toluene	ug/L	<0.20	0.20	<0.20	<0.20	0.20	<0.20	0.20	7315367
1,1,1-Trichloroethane	ug/L	<0.10	0.10	<0.10	<0.10	0.10	<0.10	0.10	7315367
1,1,2-Trichloroethane	ug/L	<0.20	0.20	<0.20	<0.20	0.20	<0.20	0.20	7315367
Trichloroethylene	ug/L	<0.10	0.10	<0.10	<0.10	0.10	<0.10	0.10	7315367
Trichlorofluoromethane (FREON 11)	ug/L	<0.20	0.20	<0.20	<0.20	0.20	<0.20	0.20	7315367
Vinyl Chloride	ug/L	<0.20	0.20	<0.20	<0.20	0.20	<0.20	0.20	7315367
p+m-Xylene	ug/L	<0.10	0.10	<0.10	<0.10	0.10	<0.10	0.10	7315367
Methyl Butyl Ketone (2-Hexanone)	ug/L	<5.0	5.0	<5.0	<5.0	5.0	<5.0	5.0	7315375
o-Xylene	ug/L	<0.10	0.10	<0.10	<0.10	0.10	<0.10	0.10	7315367
Total Xylenes	ug/L	<0.10	0.10	<0.10	<0.10	0.10	<0.10	0.10	7315367
Total Trihalomethanes	ug/L	<0.20	0.20	<0.20	<0.20	0.20	<0.20	0.20	7315367
<b>Surrogate Recovery (%)</b>									
4-Bromofluorobenzene	%	111		108	111		108		7315367
D4-1,2-Dichloroethane	%	87		85	85		86		7315367
D8-Toluene	%	98		96	98		98		7315367
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate									



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### O.REG 153 OC PESTICIDES (WATER)

BV Labs ID		PJS049	PJS050	PJS051		
Sampling Date		2021/04/21	2021/04/21	2021/04/21		
COC Number		819873-15-01	819873-15-01	819873-15-01		
	UNITS	47-I	47-IIR	47-III	RDL	QC Batch
<b>Calculated Parameters</b>						
Chlordane (Total)	ug/L	<0.005	<0.005	<0.005	0.005	7312719
o,p-DDD + p,p-DDD	ug/L	<0.005	<0.005	<0.005	0.005	7312719
o,p-DDE + p,p-DDE	ug/L	<0.005	<0.005	<0.005	0.005	7312719
o,p-DDT + p,p-DDT	ug/L	<0.005	<0.005	<0.005	0.005	7312719
Total Endosulfan	ug/L	<0.005	<0.005	<0.005	0.005	7312719
Total PCB	ug/L	<0.05	<0.05	<0.05	0.05	7312719
<b>Pesticides &amp; Herbicides</b>						
Aldrin	ug/L	<0.005	<0.005	<0.005	0.005	7322724
Dieldrin	ug/L	<0.005	<0.005	<0.005	0.005	7322724
a-Chlordane	ug/L	<0.005	<0.005	<0.005	0.005	7322724
g-Chlordane	ug/L	<0.005	<0.005	<0.005	0.005	7322724
o,p-DDD	ug/L	<0.005	<0.005	<0.005	0.005	7322724
p,p-DDD	ug/L	<0.005	<0.005	<0.005	0.005	7322724
o,p-DDE	ug/L	<0.005	<0.005	<0.005	0.005	7322724
p,p-DDE	ug/L	<0.005	<0.005	<0.005	0.005	7322724
o,p-DDT	ug/L	<0.005	<0.005	<0.005	0.005	7322724
p,p-DDT	ug/L	<0.005	<0.005	<0.005	0.005	7322724
Lindane	ug/L	<0.003	<0.003	<0.003	0.003	7322724
Endosulfan I (alpha)	ug/L	<0.005	<0.005	<0.005	0.005	7322724
Endosulfan II (beta)	ug/L	<0.005	<0.005	<0.005	0.005	7322724
Endrin	ug/L	<0.005	<0.005	<0.005	0.005	7322724
Heptachlor	ug/L	<0.005	<0.005	<0.005	0.005	7322724
Heptachlor epoxide	ug/L	<0.005	<0.005	<0.005	0.005	7322724
Hexachlorobenzene	ug/L	<0.005	<0.005	<0.005	0.005	7322724
Hexachlorobutadiene	ug/L	<0.009	<0.009	<0.009	0.009	7322724
Hexachloroethane	ug/L	<0.01	<0.01	<0.01	0.01	7322724
Methoxychlor	ug/L	<0.01	<0.01	<0.01	0.01	7322724
Aroclor 1242	ug/L	<0.05	<0.05	<0.05	0.05	7322724
Aroclor 1248	ug/L	<0.05	<0.05	<0.05	0.05	7322724
Aroclor 1254	ug/L	<0.05	<0.05	<0.05	0.05	7322724
Aroclor 1260	ug/L	<0.05	<0.05	<0.05	0.05	7322724
alpha-BHC	ug/L	<0.005	<0.005	<0.005	0.005	7322724
beta-BHC	ug/L	<0.005	<0.005	<0.005	0.005	7322724
Endrin aldehyde	ug/L	<0.005	<0.005	<0.005	0.005	7322724
Endrin ketone	ug/L	<0.005	<0.005	<0.005	0.005	7322724
Mirex	ug/L	<0.005	<0.005	<0.005	0.005	7322724
RDL = Reportable Detection Limit QC Batch = Quality Control Batch						



**O.REG 153 OC PESTICIDES (WATER)**

BV Labs ID		PJS049	PJS050	PJS051		
Sampling Date		2021/04/21	2021/04/21	2021/04/21		
COC Number		819873-15-01	819873-15-01	819873-15-01		
	<b>UNITS</b>	<b>47-I</b>	<b>47-IIR</b>	<b>47-III</b>	<b>RDL</b>	<b>QC Batch</b>
Toxaphene	ug/L	<0.2	<0.2	<0.2	0.2	7322724
<b>Surrogate Recovery (%)</b>						
2,4,5,6-Tetrachloro-m-xylene	%	84	83	83		7322724
Decachlorobiphenyl	%	95	94	95		7322724
RDL = Reportable Detection Limit QC Batch = Quality Control Batch						



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### TEST SUMMARY

**BV Labs ID:** PJS018  
**Sample ID:** 49-II  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7315541	N/A	2021/04/23	Surinder Rai
Anions	IC	7316189	N/A	2021/04/27	Fari Dehdezi
Conductivity	AT	7315600	N/A	2021/04/23	Surinder Rai
Fluoride	ISE	7315601	2021/04/23	2021/04/23	Surinder Rai
Hardness (calculated as CaCO3)		7312475	N/A	2021/04/29	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7317421	N/A	2021/04/29	Nan Raykha
Total Ammonia-N	LACH/NH4	7320554	N/A	2021/04/28	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316114	N/A	2021/04/26	Chandra Nandlal
pH	AT	7315599	2021/04/23	2021/04/23	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7314999	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7316138	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7314915	2021/04/23	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7319050	2021/04/26	2021/04/27	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7319696	N/A	2021/04/27	Anna-Kay Gooden

**BV Labs ID:** PJS018 Dup  
**Sample ID:** 49-II  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Ammonia-N	LACH/NH4	7320554	N/A	2021/04/28	Alina Dobreanu
Orthophosphate	KONE	7316138	N/A	2021/04/26	Avneet Kour Sudan

**BV Labs ID:** PJS020  
**Sample ID:** 49-IV  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7315541	N/A	2021/04/23	Surinder Rai
Anions	IC	7316189	N/A	2021/04/27	Fari Dehdezi
Conductivity	AT	7315600	N/A	2021/04/23	Surinder Rai
Fluoride	ISE	7315601	2021/04/23	2021/04/23	Surinder Rai
Hardness (calculated as CaCO3)		7312475	N/A	2021/04/29	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7317421	N/A	2021/04/29	Nan Raykha
Total Ammonia-N	LACH/NH4	7320554	N/A	2021/04/28	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316114	N/A	2021/04/26	Chandra Nandlal
pH	AT	7315599	2021/04/23	2021/04/23	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7314999	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7316138	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7314914	2021/04/24	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7319050	2021/04/26	2021/04/27	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7319696	N/A	2021/04/27	Anna-Kay Gooden



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### TEST SUMMARY

**BV Labs ID:** PJS021  
**Sample ID:** 49-V  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7315541	N/A	2021/04/23	Surinder Rai
Anions	IC	7316155	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7315600	N/A	2021/04/23	Surinder Rai
Fluoride	ISE	7315601	2021/04/23	2021/04/23	Surinder Rai
Hardness (calculated as CaCO3)		7312475	N/A	2021/04/29	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7317421	N/A	2021/04/29	Nan Raykha
Total Ammonia-N	LACH/NH4	7319134	N/A	2021/04/27	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316113	N/A	2021/04/26	Chandra Nandlal
pH	AT	7315599	2021/04/23	2021/04/23	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7310091	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7316127	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7314914	2021/04/24	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7319691	2021/04/26	2021/04/29	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7319696	N/A	2021/04/27	Anna-Kay Gooden

**BV Labs ID:** PJS022  
**Sample ID:** 60-I  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7316072	N/A	2021/04/26	Surinder Rai
Anions	IC	7316189	N/A	2021/04/27	Fari Dehdezi
Conductivity	AT	7316078	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7316067	2021/04/23	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7312475	N/A	2021/04/29	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7317421	N/A	2021/04/29	Nan Raykha
Total Ammonia-N	LACH/NH4	7319134	N/A	2021/04/27	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316097	N/A	2021/04/26	Chandra Nandlal
pH	AT	7316074	2021/04/23	2021/04/26	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315039	N/A	2021/04/27	Bramdeo Motiram
Orthophosphate	KONE	7316138	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7314914	2021/04/24	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7319691	2021/04/26	2021/04/29	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7319696	N/A	2021/04/27	Anna-Kay Gooden

**BV Labs ID:** PJS023  
**Sample ID:** 60-II  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7316275	N/A	2021/04/26	Surinder Rai
Anions	IC	7316295	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7316279	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7316262	2021/04/23	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7312475	N/A	2021/04/29	Automated Statchk



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### TEST SUMMARY

**BV Labs ID:** PJS023  
**Sample ID:** 60-II  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Metals by ICPMS	ICP/MS	7317421	N/A	2021/04/29	Nan Raykha
Total Ammonia-N	LACH/NH4	7319134	N/A	2021/04/27	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316097	N/A	2021/04/26	Chandra Nandlal
pH	AT	7316272	2021/04/23	2021/04/26	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7314999	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7316138	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7314914	2021/04/24	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7319691	2021/04/26	2021/04/29	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7319696	N/A	2021/04/27	Anna-Kay Gooden

**BV Labs ID:** PJS024  
**Sample ID:** 60-III  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7317410	N/A	2021/04/26	Surinder Rai
Anions	IC	7317436	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7317416	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7317417	2021/04/24	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7312475	N/A	2021/04/29	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7317421	N/A	2021/04/29	Nan Raykha
Total Ammonia-N	LACH/NH4	7315702	N/A	2021/04/27	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7317216	N/A	2021/04/28	Chandra Nandlal
pH	AT	7317415	2021/04/24	2021/04/26	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7310091	N/A	2021/04/23	Bramdeo Motiram
Orthophosphate	KONE	7317207	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7314914	2021/04/24	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7315856	2021/04/23	2021/04/28	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7315839	N/A	2021/04/23	Nimarta Singh

**BV Labs ID:** PJS024 Dup  
**Sample ID:** 60-III  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Kjeldahl Nitrogen in Water	SKAL	7315856	2021/04/23	2021/04/28	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7315839	N/A	2021/04/23	Nimarta Singh

**BV Labs ID:** PJS025  
**Sample ID:** 60-IV  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7317410	N/A	2021/04/26	Surinder Rai
Anions	IC	7316295	N/A	2021/04/28	Fari Dehdezi



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### TEST SUMMARY

**BV Labs ID:** PJS025  
**Sample ID:** 60-IV  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Conductivity	AT	7317416	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7317417	2021/04/24	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7312475	N/A	2021/04/30	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7317424	N/A	2021/04/30	Azita Fazaeli
Total Ammonia-N	LACH/NH4	7319134	N/A	2021/04/27	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316721	N/A	2021/04/27	Chandra Nandlal
pH	AT	7317415	2021/04/24	2021/04/26	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315039	N/A	2021/04/27	Bramdeo Motiram
Orthophosphate	KONE	7317207	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7314915	2021/04/23	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7319691	2021/04/26	2021/04/29	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7319696	N/A	2021/04/27	Anna-Kay Gooden

**BV Labs ID:** PJS026  
**Sample ID:** 3-II  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7315541	N/A	2021/04/23	Surinder Rai
Anions	IC	7316155	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7315600	N/A	2021/04/23	Surinder Rai
Fluoride	ISE	7315601	2021/04/23	2021/04/23	Surinder Rai
Hardness (calculated as CaCO3)		7312475	N/A	2021/04/30	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7317424	N/A	2021/04/30	Azita Fazaeli
Total Ammonia-N	LACH/NH4	7319134	N/A	2021/04/27	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316113	N/A	2021/04/26	Chandra Nandlal
pH	AT	7315599	2021/04/23	2021/04/23	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315036	N/A	2021/04/26	Bramdeo Motiram
Orthophosphate	KONE	7316127	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7317387	2021/04/24	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7319691	2021/04/26	2021/04/29	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7319696	N/A	2021/04/27	Anna-Kay Gooden

**BV Labs ID:** PJS027  
**Sample ID:** 11-III  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7315541	N/A	2021/04/23	Surinder Rai
Anions	IC	7316155	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7315600	N/A	2021/04/23	Surinder Rai
Fluoride	ISE	7315601	2021/04/23	2021/04/23	Surinder Rai
Hardness (calculated as CaCO3)		7312475	N/A	2021/04/29	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7317421	N/A	2021/04/29	Nan Raykha
Total Ammonia-N	LACH/NH4	7320554	N/A	2021/04/28	Alina Dobreanu



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### TEST SUMMARY

**BV Labs ID:** PJS027  
**Sample ID:** 11-III  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316113	N/A	2021/04/26	Chandra Nandlal
pH	AT	7315599	2021/04/23	2021/04/23	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315039	N/A	2021/04/27	Bramdeo Motiram
Orthophosphate	KONE	7316127	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7314915	2021/04/23	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7319050	2021/04/26	2021/04/28	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7319696	N/A	2021/04/27	Anna-Kay Gooden

**BV Labs ID:** PJS027 Dup  
**Sample ID:** 11-III  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7315541	N/A	2021/04/23	Surinder Rai
Conductivity	AT	7315600	N/A	2021/04/23	Surinder Rai
Fluoride	ISE	7315601	2021/04/23	2021/04/23	Surinder Rai
pH	AT	7315599	2021/04/23	2021/04/23	Surinder Rai
Total Dissolved Solids	BAL	7314915	2021/04/23	2021/04/26	Shivani Desai
Total Organic Carbon (TOC)	TOCV/NDIR	7319696	N/A	2021/04/27	Anna-Kay Gooden

**BV Labs ID:** PJS028  
**Sample ID:** 46-IR  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7316275	N/A	2021/04/26	Surinder Rai
Anions	IC	7316155	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7316279	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7316262	2021/04/23	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7312475	N/A	2021/04/30	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7317424	N/A	2021/04/30	Azita Fazaeli
Total Ammonia-N	LACH/NH4	7320554	N/A	2021/04/28	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316113	N/A	2021/04/26	Chandra Nandlal
pH	AT	7316272	2021/04/23	2021/04/26	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315039	N/A	2021/04/27	Bramdeo Motiram
Orthophosphate	KONE	7316127	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7314914	2021/04/24	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7319050	2021/04/26	2021/04/28	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7319696	N/A	2021/04/27	Anna-Kay Gooden





BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### TEST SUMMARY

**BV Labs ID:** PJS029  
**Sample ID:** P5-IR  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7315541	N/A	2021/04/23	Surinder Rai
Anions	IC	7316155	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7315600	N/A	2021/04/23	Surinder Rai
Fluoride	ISE	7315601	2021/04/23	2021/04/23	Surinder Rai
Hardness (calculated as CaCO3)		7312475	N/A	2021/04/29	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7317421	N/A	2021/04/29	Nan Raykha
Total Ammonia-N	LACH/NH4	7320906	N/A	2021/04/28	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316113	N/A	2021/04/26	Chandra Nandlal
pH	AT	7315599	2021/04/23	2021/04/23	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315039	N/A	2021/04/27	Bramdeo Motiram
Orthophosphate	KONE	7316127	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7314915	2021/04/23	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7319050	2021/04/26	2021/04/28	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7318993	N/A	2021/04/27	Nimarta Singh

**BV Labs ID:** PJS030  
**Sample ID:** P5-IIR  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7316275	N/A	2021/04/26	Surinder Rai
Anions	IC	7316295	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7316279	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7316262	2021/04/23	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7312475	N/A	2021/04/27	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7317426	N/A	2021/04/27	Azita Fazaeli
Total Ammonia-N	LACH/NH4	7320906	N/A	2021/04/28	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316721	N/A	2021/04/27	Chandra Nandlal
pH	AT	7316272	2021/04/23	2021/04/26	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315039	N/A	2021/04/26	Bramdeo Motiram
Orthophosphate	KONE	7317207	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7314915	2021/04/23	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7318988	2021/04/26	2021/04/28	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7318993	N/A	2021/04/27	Nimarta Singh

**BV Labs ID:** PJS031  
**Sample ID:** 46-IIR  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7315541	N/A	2021/04/23	Surinder Rai
Anions	IC	7316155	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7315600	N/A	2021/04/23	Surinder Rai
Fluoride	ISE	7315601	2021/04/23	2021/04/23	Surinder Rai
Hardness (calculated as CaCO3)		7312475	N/A	2021/04/30	Automated Statchk



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### TEST SUMMARY

**BV Labs ID:** PJS031  
**Sample ID:** 46-IIR  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Metals by ICPMS	ICP/MS	7317424	N/A	2021/04/30	Azita Fazaeli
Total Ammonia-N	LACH/NH4	7320906	N/A	2021/04/28	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316113	N/A	2021/04/26	Chandra Nandlal
pH	AT	7315599	2021/04/23	2021/04/23	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315039	N/A	2021/04/26	Bramdeo Motiram
Orthophosphate	KONE	7316127	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7314915	2021/04/23	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7319050	2021/04/26	2021/04/27	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7318993	N/A	2021/04/27	Nimarta Singh

**BV Labs ID:** PJS031 Dup  
**Sample ID:** 46-IIR  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Kjeldahl Nitrogen in Water	SKAL	7319050	2021/04/26	2021/04/27	Rajni Tyagi

**BV Labs ID:** PJS032  
**Sample ID:** P5-IVR  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7315541	N/A	2021/04/23	Surinder Rai
Anions	IC	7316155	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7315600	N/A	2021/04/23	Surinder Rai
Fluoride	ISE	7315601	2021/04/23	2021/04/23	Surinder Rai
Hardness (calculated as CaCO3)		7312475	N/A	2021/04/30	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7317424	N/A	2021/04/30	Azita Fazaeli
Total Ammonia-N	LACH/NH4	7320906	N/A	2021/04/28	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316113	N/A	2021/04/26	Chandra Nandlal
pH	AT	7315599	2021/04/23	2021/04/23	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315039	N/A	2021/04/27	Bramdeo Motiram
Orthophosphate	KONE	7316127	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7314915	2021/04/23	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7318988	2021/04/26	2021/04/27	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7318993	N/A	2021/04/27	Nimarta Singh

**BV Labs ID:** PJS033  
**Sample ID:** 46-IIIR  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7317410	N/A	2021/04/26	Surinder Rai
Anions	IC	7316155	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7317416	N/A	2021/04/26	Surinder Rai



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### TEST SUMMARY

**BV Labs ID:** PJS033  
**Sample ID:** 46-IIIR  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Fluoride	ISE	7317417	2021/04/24	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7312475	N/A	2021/04/30	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7317424	N/A	2021/04/30	Azita Fazaeli
Total Ammonia-N	LACH/NH4	7320554	N/A	2021/04/28	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316113	N/A	2021/04/26	Chandra Nandlal
pH	AT	7317415	2021/04/24	2021/04/26	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315039	N/A	2021/04/27	Bramdeo Motiram
Orthophosphate	KONE	7316127	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7314915	2021/04/23	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7319050	2021/04/26	2021/04/27	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7319696	N/A	2021/04/27	Anna-Kay Gooden

**BV Labs ID:** PJS033 Dup  
**Sample ID:** 46-IIIR  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7317410	N/A	2021/04/26	Surinder Rai
Conductivity	AT	7317416	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7317417	2021/04/24	2021/04/26	Surinder Rai
pH	AT	7317415	2021/04/24	2021/04/26	Surinder Rai

**BV Labs ID:** PJS034  
**Sample ID:** P7-IR  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7316275	N/A	2021/04/26	Surinder Rai
Anions	IC	7316295	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7316279	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7316262	2021/04/23	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7312475	N/A	2021/04/30	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7317424	N/A	2021/04/30	Azita Fazaeli
Total Ammonia-N	LACH/NH4	7320906	N/A	2021/04/28	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316097	N/A	2021/04/26	Chandra Nandlal
pH	AT	7316272	2021/04/23	2021/04/26	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315036	N/A	2021/04/26	Bramdeo Motiram
Orthophosphate	KONE	7316138	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7314915	2021/04/23	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7318988	2021/04/26	2021/04/28	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7318993	N/A	2021/04/27	Nimarta Singh



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### TEST SUMMARY

**BV Labs ID:** PJS034 Dup  
**Sample ID:** P7-IR  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Ammonia-N	LACH/NH4	7320906	N/A	2021/04/28	Alina Dobreanu

**BV Labs ID:** PJS035  
**Sample ID:** P7-II  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7316275	N/A	2021/04/26	Surinder Rai
Anions	IC	7316295	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7316279	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7316262	2021/04/23	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7312475	N/A	2021/04/29	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7317421	N/A	2021/04/29	Nan Raykha
Total Ammonia-N	LACH/NH4	7320906	N/A	2021/04/28	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316721	N/A	2021/04/27	Chandra Nandlal
pH	AT	7316272	2021/04/23	2021/04/26	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315039	N/A	2021/04/27	Bramdeo Motiram
Orthophosphate	KONE	7317207	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7314915	2021/04/23	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7319050	2021/04/26	2021/04/28	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7318993	N/A	2021/04/27	Nimarta Singh

**BV Labs ID:** PJS036  
**Sample ID:** P7-III  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7315541	N/A	2021/04/23	Surinder Rai
Anions	IC	7316155	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7315600	N/A	2021/04/23	Surinder Rai
Fluoride	ISE	7315601	2021/04/23	2021/04/23	Surinder Rai
Hardness (calculated as CaCO3)		7312475	N/A	2021/04/29	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7317421	N/A	2021/04/29	Nan Raykha
Total Ammonia-N	LACH/NH4	7320906	N/A	2021/04/28	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316113	N/A	2021/04/26	Chandra Nandlal
pH	AT	7315599	2021/04/23	2021/04/23	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315039	N/A	2021/04/27	Bramdeo Motiram
Orthophosphate	KONE	7316127	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7314915	2021/04/23	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7319050	2021/04/26	2021/04/28	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7318993	N/A	2021/04/27	Nimarta Singh



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### TEST SUMMARY

**BV Labs ID:** PJS037  
**Sample ID:** P7-IV  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7315541	N/A	2021/04/23	Surinder Rai
Anions	IC	7316155	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7315600	N/A	2021/04/23	Surinder Rai
Fluoride	ISE	7315601	2021/04/23	2021/04/23	Surinder Rai
Hardness (calculated as CaCO3)		7312475	N/A	2021/04/30	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7317424	N/A	2021/04/30	Azita Fazaeli
Total Ammonia-N	LACH/NH4	7320906	N/A	2021/04/28	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316113	N/A	2021/04/26	Chandra Nandlal
pH	AT	7315599	2021/04/23	2021/04/23	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315036	N/A	2021/04/26	Bramdeo Motiram
Orthophosphate	KONE	7316127	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7314915	2021/04/23	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7318988	2021/04/26	2021/04/28	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7318993	N/A	2021/04/27	Nimarta Singh

**BV Labs ID:** PJS038  
**Sample ID:** 4-IV  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7315541	N/A	2021/04/23	Surinder Rai
Anions	IC	7316155	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7315600	N/A	2021/04/23	Surinder Rai
Fluoride	ISE	7315601	2021/04/23	2021/04/23	Surinder Rai
Hardness (calculated as CaCO3)		7313707	N/A	2021/04/29	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7317421	N/A	2021/04/29	Nan Raykha
Total Ammonia-N	LACH/NH4	7320906	N/A	2021/04/28	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316113	N/A	2021/04/26	Chandra Nandlal
pH	AT	7315599	2021/04/23	2021/04/23	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315036	N/A	2021/04/26	Bramdeo Motiram
Orthophosphate	KONE	7316127	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7314915	2021/04/23	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7318988	2021/04/26	2021/04/28	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7318993	N/A	2021/04/27	Nimarta Singh

**BV Labs ID:** PJS039  
**Sample ID:** 4-I  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7315541	N/A	2021/04/23	Surinder Rai
Anions	IC	7316155	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7315600	N/A	2021/04/23	Surinder Rai
Fluoride	ISE	7315601	2021/04/23	2021/04/23	Surinder Rai
Hardness (calculated as CaCO3)		7313707	N/A	2021/04/29	Automated Statchk



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### TEST SUMMARY

**BV Labs ID:** PJS039  
**Sample ID:** 4-I  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Metals by ICPMS	ICP/MS	7317421	N/A	2021/04/29	Nan Raykha
Total Ammonia-N	LACH/NH4	7320554	N/A	2021/04/28	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316113	N/A	2021/04/26	Chandra Nandlal
pH	AT	7315599	2021/04/23	2021/04/23	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315036	N/A	2021/04/26	Bramdeo Motiram
Orthophosphate	KONE	7316127	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7314914	2021/04/24	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7319691	2021/04/26	2021/04/29	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7319696	N/A	2021/04/27	Anna-Kay Gooden

**BV Labs ID:** PJS039 Dup  
**Sample ID:** 4-I  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Anions	IC	7316155	N/A	2021/04/28	Fari Dehdezi

**BV Labs ID:** PJS040  
**Sample ID:** 3-I  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7317410	N/A	2021/04/26	Surinder Rai
Anions	IC	7316295	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7317416	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7317417	2021/04/24	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7313707	N/A	2021/04/29	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7317421	N/A	2021/04/29	Nan Raykha
Total Ammonia-N	LACH/NH4	7319134	N/A	2021/04/27	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316721	N/A	2021/04/27	Chandra Nandlal
pH	AT	7317415	2021/04/24	2021/04/26	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315036	N/A	2021/04/26	Bramdeo Motiram
Orthophosphate	KONE	7317207	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7314914	2021/04/24	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7319691	2021/04/26	2021/04/29	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7319696	N/A	2021/04/27	Anna-Kay Gooden

**BV Labs ID:** PJS041  
**Sample ID:** 40-I  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7317410	N/A	2021/04/26	Surinder Rai
Anions	IC	7316155	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7317416	N/A	2021/04/26	Surinder Rai



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### TEST SUMMARY

**BV Labs ID:** PJS041  
**Sample ID:** 40-I  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Fluoride	ISE	7317417	2021/04/24	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7313707	N/A	2021/04/29	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7317421	N/A	2021/04/29	Nan Raykha
Total Ammonia-N	LACH/NH4	7319134	N/A	2021/04/27	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316721	N/A	2021/04/27	Chandra Nandlal
pH	AT	7317415	2021/04/24	2021/04/26	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315036	N/A	2021/04/26	Bramdeo Motiram
Orthophosphate	KONE	7317207	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7314915	2021/04/23	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7319691	2021/04/26	2021/04/29	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7319696	N/A	2021/04/27	Anna-Kay Gooden

**BV Labs ID:** PJS042  
**Sample ID:** 40-II  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7316072	N/A	2021/04/26	Surinder Rai
Anions	IC	7316189	N/A	2021/04/27	Fari Dehdezi
Conductivity	AT	7316078	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7316067	2021/04/23	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7313707	N/A	2021/04/29	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7317421	N/A	2021/04/29	Nan Raykha
Total Ammonia-N	LACH/NH4	7320906	N/A	2021/04/28	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316097	N/A	2021/04/26	Chandra Nandlal
pH	AT	7316074	2021/04/23	2021/04/26	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315039	N/A	2021/04/27	Bramdeo Motiram
Orthophosphate	KONE	7316138	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7314914	2021/04/24	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7318988	2021/04/26	2021/04/28	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7318993	N/A	2021/04/27	Nimarta Singh

**BV Labs ID:** PJS042 Dup  
**Sample ID:** 40-II  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Metals by ICPMS	ICP/MS	7317421	N/A	2021/04/29	Nan Raykha

**BV Labs ID:** PJS043  
**Sample ID:** 40-III  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7316072	N/A	2021/04/26	Surinder Rai





BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### TEST SUMMARY

**BV Labs ID:** PJS043  
**Sample ID:** 40-III  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Anions	IC	7316189	N/A	2021/04/27	Fari Dehdezi
Conductivity	AT	7316078	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7316067	2021/04/23	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7313707	N/A	2021/04/30	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7317424	N/A	2021/04/30	Azita Fazaeli
Total Ammonia-N	LACH/NH4	7320906	N/A	2021/04/28	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316103	N/A	2021/04/26	Chandra Nandlal
pH	AT	7316074	2021/04/23	2021/04/26	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315036	N/A	2021/04/26	Bramdeo Motiram
Orthophosphate	KONE	7316138	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7314914	2021/04/24	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7319691	2021/04/26	2021/04/29	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7319696	N/A	2021/04/27	Anna-Kay Gooden

**BV Labs ID:** PJS044  
**Sample ID:** 29-I  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7317410	N/A	2021/04/26	Surinder Rai
Anions	IC	7316295	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7317416	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7317417	2021/04/24	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7313707	N/A	2021/04/30	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7317424	N/A	2021/04/30	Azita Fazaeli
Total Ammonia-N	LACH/NH4	7320554	N/A	2021/04/28	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316721	N/A	2021/04/27	Chandra Nandlal
pH	AT	7317415	2021/04/24	2021/04/26	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315039	N/A	2021/04/27	Bramdeo Motiram
Orthophosphate	KONE	7317207	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7314915	2021/04/23	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7319050	2021/04/26	2021/04/28	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7319696	N/A	2021/04/27	Anna-Kay Gooden

**BV Labs ID:** PJS045  
**Sample ID:** 29-II  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7315541	N/A	2021/04/23	Surinder Rai
Anions	IC	7316155	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7315600	N/A	2021/04/23	Surinder Rai
Fluoride	ISE	7315601	2021/04/23	2021/04/23	Surinder Rai
Hardness (calculated as CaCO3)		7313707	N/A	2021/04/30	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7317424	N/A	2021/04/30	Azita Fazaeli





BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### TEST SUMMARY

**BV Labs ID:** PJS045  
**Sample ID:** 29-II  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Ammonia-N	LACH/NH4	7320554	N/A	2021/04/28	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316113	N/A	2021/04/26	Chandra Nandlal
pH	AT	7315599	2021/04/23	2021/04/23	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315039	N/A	2021/04/26	Bramdeo Motiram
Orthophosphate	KONE	7316127	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7314915	2021/04/23	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7319050	2021/04/26	2021/04/28	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7319696	N/A	2021/04/27	Anna-Kay Gooden

**BV Labs ID:** PJS045 Dup  
**Sample ID:** 29-II  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Metals by ICPMS	ICP/MS	7317424	N/A	2021/04/30	Azita Fazaeli

**BV Labs ID:** PJS046  
**Sample ID:** 29-IV  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7316275	N/A	2021/04/26	Surinder Rai
Anions	IC	7316295	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7316279	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7316262	2021/04/23	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7313707	N/A	2021/04/30	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7317424	N/A	2021/04/30	Azita Fazaeli
Total Ammonia-N	LACH/NH4	7320554	N/A	2021/04/28	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316097	N/A	2021/04/26	Chandra Nandlal
pH	AT	7316272	2021/04/23	2021/04/26	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315039	N/A	2021/04/26	Bramdeo Motiram
Orthophosphate	KONE	7316138	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7314914	2021/04/24	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7319050	2021/04/26	2021/04/28	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7319696	N/A	2021/04/27	Anna-Kay Gooden

**BV Labs ID:** PJS047  
**Sample ID:** 12-IV  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7315541	N/A	2021/04/23	Surinder Rai
Anions	IC	7316155	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7315600	N/A	2021/04/23	Surinder Rai
Fluoride	ISE	7315601	2021/04/23	2021/04/23	Surinder Rai



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### TEST SUMMARY

**BV Labs ID:** PJS047  
**Sample ID:** 12-IV  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Hardness (calculated as CaCO3)		7313707	N/A	2021/04/29	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7317421	N/A	2021/04/29	Nan Raykha
Total Ammonia-N	LACH/NH4	7319134	N/A	2021/04/27	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316113	N/A	2021/04/26	Chandra Nandlal
pH	AT	7315599	2021/04/23	2021/04/23	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315036	N/A	2021/04/26	Bramdeo Motiram
Orthophosphate	KONE	7316127	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7314915	2021/04/23	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7319691	2021/04/26	2021/04/29	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7320430	N/A	2021/04/27	Anna-Kay Gooden

**BV Labs ID:** PJS048  
**Sample ID:** P3-III  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7315541	N/A	2021/04/23	Surinder Rai
Anions	IC	7316155	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7315600	N/A	2021/04/23	Surinder Rai
Fluoride	ISE	7315601	2021/04/23	2021/04/23	Surinder Rai
Hardness (calculated as CaCO3)		7313707	N/A	2021/04/29	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7317421	N/A	2021/04/29	Nan Raykha
Total Ammonia-N	LACH/NH4	7320906	N/A	2021/04/28	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316113	N/A	2021/04/26	Chandra Nandlal
pH	AT	7315599	2021/04/23	2021/04/23	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315039	N/A	2021/04/26	Bramdeo Motiram
Orthophosphate	KONE	7316127	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7314914	2021/04/24	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7318988	2021/04/26	2021/04/28	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7318993	N/A	2021/04/27	Nimarta Singh

**BV Labs ID:** PJS048 Dup  
**Sample ID:** P3-III  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Phenols (4AAP)	TECH/PHEN	7315039	N/A	2021/04/26	Bramdeo Motiram

**BV Labs ID:** PJS049  
**Sample ID:** 47-I  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in Water by GC/MS	GC/MS	7327273	2021/04/30	2021/05/03	Anh Lieu
Alkalinity	AT	7316275	N/A	2021/04/26	Surinder Rai



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### TEST SUMMARY

**BV Labs ID:** PJS049  
**Sample ID:** 47-I  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Anions	IC	7316295	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7316279	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7316262	2021/04/23	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7313707	N/A	2021/04/29	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7317421	N/A	2021/04/29	Nan Raykha
Total Ammonia-N	LACH/NH4	7320906	N/A	2021/04/28	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316721	N/A	2021/04/27	Chandra Nandlal
OC Pesticides (Selected) & PCB	GC/ECD	7322724	2021/04/28	2021/04/29	Li Peng
OC Pesticides Summed Parameters	CALC	7312719	N/A	2021/04/25	Automated Statchk
pH	AT	7316272	2021/04/23	2021/04/26	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315039	N/A	2021/04/26	Bramdeo Motiram
Orthophosphate	KONE	7317207	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7314915	2021/04/23	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7319050	2021/04/26	2021/04/29	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7318993	N/A	2021/04/27	Nimarta Singh
Volatile Organic Compounds in Water	P&T/MS	7315367	N/A	2021/04/24	Dina Wang
Non-Routine Volatile Organic Compounds	P&T/MS	7315375	N/A	2021/04/24	Dina Wang

**BV Labs ID:** PJS050  
**Sample ID:** 47-IIR  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in Water by GC/MS	GC/MS	7327273	2021/04/30	2021/05/03	Anh Lieu
Alkalinity	AT	7316275	N/A	2021/04/26	Surinder Rai
Anions	IC	7316295	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7316279	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7316262	2021/04/23	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7313707	N/A	2021/04/30	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7317424	N/A	2021/04/29	Azita Fazaeli
Total Ammonia-N	LACH/NH4	7319134	N/A	2021/04/27	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316721	N/A	2021/04/27	Chandra Nandlal
OC Pesticides (Selected) & PCB	GC/ECD	7322724	2021/04/28	2021/04/29	Li Peng
OC Pesticides Summed Parameters	CALC	7312719	N/A	2021/04/25	Automated Statchk
pH	AT	7316272	2021/04/23	2021/04/26	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315039	N/A	2021/04/26	Bramdeo Motiram
Orthophosphate	KONE	7317207	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7314914	2021/04/24	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7319691	2021/04/26	2021/04/29	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7319696	N/A	2021/04/27	Anna-Kay Gooden
Volatile Organic Compounds in Water	P&T/MS	7315367	N/A	2021/04/24	Dina Wang
Non-Routine Volatile Organic Compounds	P&T/MS	7315375	N/A	2021/04/24	Dina Wang



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### TEST SUMMARY

**BV Labs ID:** PJS050 Dup  
**Sample ID:** 47-IIR  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Volatile Organic Compounds in Water	P&T/MS	7315367	N/A	2021/04/24	Dina Wang
Non-Routine Volatile Organic Compounds	P&T/MS	7315375	N/A	2021/04/24	Dina Wang

**BV Labs ID:** PJS051  
**Sample ID:** 47-III  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in Water by GC/MS	GC/MS	7327273	2021/04/30	2021/05/03	Anh Lieu
Alkalinity	AT	7316275	N/A	2021/04/26	Surinder Rai
Anions	IC	7316155	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7316279	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7316262	2021/04/23	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7313707	N/A	2021/04/30	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7317424	N/A	2021/04/30	Azita Fazaeli
Total Ammonia-N	LACH/NH4	7320906	N/A	2021/04/28	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316113	N/A	2021/04/26	Chandra Nandlal
OC Pesticides (Selected) & PCB	GC/ECD	7322724	2021/04/28	2021/04/29	Li Peng
OC Pesticides Summed Parameters	CALC	7312719	N/A	2021/04/25	Automated Statchk
pH	AT	7316272	2021/04/23	2021/04/26	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315036	N/A	2021/04/26	Bramdeo Motiram
Orthophosphate	KONE	7316127	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7314914	2021/04/24	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7319050	2021/04/26	2021/04/28	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7318993	N/A	2021/04/27	Nimarta Singh
Volatile Organic Compounds in Water	P&T/MS	7315367	N/A	2021/04/24	Dina Wang
Non-Routine Volatile Organic Compounds	P&T/MS	7315375	N/A	2021/04/24	Dina Wang

**BV Labs ID:** PJS051 Dup  
**Sample ID:** 47-III  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in Water by GC/MS	GC/MS	7327273	2021/04/30	2021/05/03	Anh Lieu

**BV Labs ID:** PJS052  
**Sample ID:** 61-I  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7329204	N/A	2021/05/03	Yogesh Patel
Anions	IC	7329902	N/A	2021/05/03	Fari Dehdezi
Conductivity	AT	7316279	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7316262	2021/04/23	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7313707	N/A	2021/04/29	Automated Statchk



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### TEST SUMMARY

**BV Labs ID:** PJS052  
**Sample ID:** 61-I  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Metals by ICPMS	ICP/MS	7317421	N/A	2021/04/29	Nan Raykha
Total Ammonia-N	LACH/NH4	7320554	N/A	2021/04/28	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316721	N/A	2021/04/27	Chandra Nandlal
pH	AT	7316272	2021/04/23	2021/04/26	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315039	N/A	2021/04/27	Bramdeo Motiram
Orthophosphate	KONE	7317207	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7314914	2021/04/24	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7319050	2021/04/26	2021/04/27	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7319696	N/A	2021/04/27	Anna-Kay Gooden

**BV Labs ID:** PJS053  
**Sample ID:** 61-III  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7316072	N/A	2021/04/26	Surinder Rai
Anions	IC	7316189	N/A	2021/04/27	Fari Dehdezi
Conductivity	AT	7316078	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7316067	2021/04/23	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7313707	N/A	2021/04/30	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7317424	N/A	2021/04/30	Azita Fazaeli
Total Ammonia-N	LACH/NH4	7320906	N/A	2021/04/28	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316103	N/A	2021/04/26	Chandra Nandlal
pH	AT	7316074	2021/04/23	2021/04/26	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315036	N/A	2021/04/26	Bramdeo Motiram
Orthophosphate	KONE	7317207	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7314914	2021/04/24	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7318988	2021/04/26	2021/04/27	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7318993	N/A	2021/04/27	Nimarta Singh

**BV Labs ID:** PJS053 Dup  
**Sample ID:** 61-III  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Orthophosphate	KONE	7317207	N/A	2021/04/26	Avneet Kour Sudan

**BV Labs ID:** PJS054  
**Sample ID:** 48-I  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7315541	N/A	2021/04/23	Surinder Rai
Anions	IC	7316155	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7315600	N/A	2021/04/23	Surinder Rai



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### TEST SUMMARY

**BV Labs ID:** PJS054  
**Sample ID:** 48-I  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Fluoride	ISE	7315601	2021/04/23	2021/04/23	Surinder Rai
Hardness (calculated as CaCO3)		7313707	N/A	2021/04/30	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7317424	N/A	2021/04/30	Azita Fazaeli
Total Ammonia-N	LACH/NH4	7320906	N/A	2021/04/28	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316113	N/A	2021/04/26	Chandra Nandlal
pH	AT	7315599	2021/04/23	2021/04/23	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7310279	N/A	2021/04/24	Bramdeo Motiram
Orthophosphate	KONE	7316127	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7314914	2021/04/24	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7319050	2021/04/26	2021/04/28	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7318993	N/A	2021/04/27	Nimarta Singh

**BV Labs ID:** PJS055  
**Sample ID:** 48-II  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7315541	N/A	2021/04/23	Surinder Rai
Anions	IC	7316295	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7315600	N/A	2021/04/23	Surinder Rai
Fluoride	ISE	7315601	2021/04/23	2021/04/23	Surinder Rai
Hardness (calculated as CaCO3)		7313707	N/A	2021/04/29	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7317421	N/A	2021/04/29	Nan Raykha
Total Ammonia-N	LACH/NH4	7320906	N/A	2021/04/28	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316721	N/A	2021/04/27	Chandra Nandlal
pH	AT	7315599	2021/04/23	2021/04/23	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315036	N/A	2021/04/26	Bramdeo Motiram
Orthophosphate	KONE	7316127	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7314914	2021/04/24	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7319050	2021/04/26	2021/04/28	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7318993	N/A	2021/04/27	Nimarta Singh

**BV Labs ID:** PJS055 Dup  
**Sample ID:** 48-II  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Anions	IC	7316295	N/A	2021/04/28	Fari Dehdezi
Total Dissolved Solids	BAL	7314914	2021/04/24	2021/04/26	Shivani Desai



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### TEST SUMMARY

**BV Labs ID:** PJS056  
**Sample ID:** 48-IV  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7316275	N/A	2021/04/26	Surinder Rai
Anions	IC	7316295	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7316279	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7316262	2021/04/23	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7313707	N/A	2021/04/30	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7317424	N/A	2021/04/29	Azita Fazaeli
Total Ammonia-N	LACH/NH4	7320906	N/A	2021/04/28	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316721	N/A	2021/04/27	Chandra Nandlal
pH	AT	7316272	2021/04/23	2021/04/26	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7310279	N/A	2021/04/23	Bramdeo Motiram
Orthophosphate	KONE	7317207	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7314914	2021/04/24	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7318988	2021/04/26	2021/04/27	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7318993	N/A	2021/04/27	Nimarta Singh

**BV Labs ID:** PJS056 Dup  
**Sample ID:** 48-IV  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Organic Carbon (TOC)	TOCV/NDIR	7318993	N/A	2021/04/27	Nimarta Singh

**BV Labs ID:** PJS057  
**Sample ID:** 48-V  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7315541	N/A	2021/04/23	Surinder Rai
Anions	IC	7316155	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7315600	N/A	2021/04/23	Surinder Rai
Fluoride	ISE	7315601	2021/04/23	2021/04/23	Surinder Rai
Hardness (calculated as CaCO3)		7313707	N/A	2021/04/30	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7317424	N/A	2021/04/30	Azita Fazaeli
Total Ammonia-N	LACH/NH4	7320906	N/A	2021/04/28	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316113	N/A	2021/04/26	Chandra Nandlal
pH	AT	7315599	2021/04/23	2021/04/23	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7310279	N/A	2021/04/23	Bramdeo Motiram
Orthophosphate	KONE	7316127	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7314915	2021/04/23	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7319050	2021/04/26	2021/04/27	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7318993	N/A	2021/04/27	Nimarta Singh





BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### TEST SUMMARY

**BV Labs ID:** PJS057 Dup  
**Sample ID:** 48-V  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Orthophosphate	KONE	7316127	N/A	2021/04/26	Avneet Kour Sudan

**BV Labs ID:** PJS058  
**Sample ID:** 11-I  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7315541	N/A	2021/04/23	Surinder Rai
Anions	IC	7316189	N/A	2021/04/27	Fari Dehdezi
Conductivity	AT	7315600	N/A	2021/04/23	Surinder Rai
Fluoride	ISE	7315601	2021/04/23	2021/04/23	Surinder Rai
Hardness (calculated as CaCO3)		7313707	N/A	2021/04/30	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7317424	N/A	2021/04/30	Azita Fazaeli
Total Ammonia-N	LACH/NH4	7320906	N/A	2021/04/28	Alina Doboreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316113	N/A	2021/04/26	Chandra Nandlal
pH	AT	7315599	2021/04/23	2021/04/23	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7310279	N/A	2021/04/23	Bramdeo Motiram
Orthophosphate	KONE	7316138	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7314914	2021/04/24	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7318988	2021/04/26	2021/04/28	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7318993	N/A	2021/04/27	Nimarta Singh

**BV Labs ID:** PJS058 Dup  
**Sample ID:** 11-I  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316113	N/A	2021/04/26	Chandra Nandlal

**BV Labs ID:** PJS059  
**Sample ID:** 11-II  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7315541	N/A	2021/04/23	Surinder Rai
Anions	IC	7316155	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7315600	N/A	2021/04/23	Surinder Rai
Fluoride	ISE	7315601	2021/04/23	2021/04/23	Surinder Rai
Hardness (calculated as CaCO3)		7313707	N/A	2021/04/30	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7317424	N/A	2021/04/30	Azita Fazaeli
Total Ammonia-N	LACH/NH4	7320554	N/A	2021/04/28	Alina Doboreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7316113	N/A	2021/04/26	Chandra Nandlal
pH	AT	7315599	2021/04/23	2021/04/23	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7315039	N/A	2021/04/26	Bramdeo Motiram
Orthophosphate	KONE	7316127	N/A	2021/04/26	Avneet Kour Sudan





BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### TEST SUMMARY

**BV Labs ID:** PJS059  
**Sample ID:** 11-II  
**Matrix:** Water

**Collected:** 2021/04/21  
**Shipped:**  
**Received:** 2021/04/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Dissolved Solids	BAL	7314915	2021/04/23	2021/04/26	Shivani Desai
Total Kjeldahl Nitrogen in Water	SKAL	7319691	2021/04/26	2021/04/29	Rajni Tyagi
Total Organic Carbon (TOC)	TOCV/NDIR	7319696	N/A	2021/04/27	Anna-Kay Gooden



### GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	1.0°C
Package 2	0.3°C
Package 3	1.3°C
Package 4	2.3°C
Package 5	1.7°C
Package 6	-0.3°C
Package 7	0.7°C
Package 8	2.0°C

Anions Analysis: Due to the sample matrix, sample required dilution. Detection limits were adjusted accordingly.

Sample PJS018 [49-II] : ortho-Phosphate > Total Phosphorus: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Sample PJS024 [60-III] : Anions Analysis: Due to the sample matrix, sample required dilution. Detection limits were adjusted accordingly.

Sample PJS028 [46-IR] : TKN < Ammonia: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Sample PJS029 [P5-IR] : ortho-Phosphate > Total Phosphorus: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Sample PJS032 [P5-IVR] : ortho-Phosphate > Total Phosphorus: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Sample PJS036 [P7-III] : TKN < Ammonia: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Sample PJS038 [4-IV] : TKN < Ammonia: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Sample PJS042 [40-II] : TKN < Ammonia: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Sample PJS046 [29-IV] : TKN < Ammonia: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Sample PJS055 [48-II] : ortho-Phosphate > Total Phosphorus: Both values fall within the method uncertainty for duplicates and are likely equivalent.

**Results relate only to the items tested.**



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

### QUALITY ASSURANCE REPORT

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7315367	4-Bromofluorobenzene	2021/04/24	108	70 - 130	112	70 - 130	109	%				
7315367	D4-1,2-Dichloroethane	2021/04/24	81	70 - 130	84	70 - 130	85	%				
7315367	D8-Toluene	2021/04/24	99	70 - 130	99	70 - 130	97	%				
7322724	2,4,5,6-Tetrachloro-m-xylene	2021/04/28	81	50 - 130	70	50 - 130	65	%				
7322724	Decachlorobiphenyl	2021/04/28	102	50 - 130	88	50 - 130	80	%				
7327273	2,4,6-Tribromophenol	2021/04/30	82	10 - 130	86	10 - 130	59	%				
7327273	2-Fluorobiphenyl	2021/04/30	64	30 - 130	68	30 - 130	66	%				
7327273	2-Fluorophenol	2021/04/30	36	10 - 130	37	10 - 130	31	%				
7327273	D14-Terphenyl	2021/04/30	95	30 - 130	100	30 - 130	87	%				
7327273	D5-Nitrobenzene	2021/04/30	80	30 - 130	86	30 - 130	80	%				
7327273	D5-Phenol	2021/04/30	23	10 - 130	24	10 - 130	20	%				
7310091	Phenols-4AAP	2021/04/23	101	80 - 120	103	80 - 120	<0.0010	mg/L	NC	20		
7310279	Phenols-4AAP	2021/04/23	100	80 - 120	103	80 - 120	<0.0010	mg/L	NC	20		
7314914	Total Dissolved Solids	2021/04/26					<10	mg/L	3.3	25	100	90 - 110
7314915	Total Dissolved Solids	2021/04/26					<10	mg/L	0.39	25	97	90 - 110
7314999	Phenols-4AAP	2021/04/24	99	80 - 120	99	80 - 120	<0.0010	mg/L	4.6	20		
7315036	Phenols-4AAP	2021/04/26	105	80 - 120	106	80 - 120	<0.0010	mg/L	NC	20		
7315039	Phenols-4AAP	2021/04/26	97	80 - 120	97	80 - 120	<0.0010	mg/L	NC	20		
7315367	1,1,1,2-Tetrachloroethane	2021/04/24	91	70 - 130	91	70 - 130	<0.20	ug/L	NC	30		
7315367	1,1,1-Trichloroethane	2021/04/24	94	70 - 130	89	70 - 130	<0.10	ug/L	NC	30		
7315367	1,1,2,2-Tetrachloroethane	2021/04/24	88	70 - 130	93	70 - 130	<0.20	ug/L	NC	30		
7315367	1,1,2-Trichloroethane	2021/04/24	86	70 - 130	86	70 - 130	<0.20	ug/L	NC	30		
7315367	1,1-Dichloroethane	2021/04/24	89	70 - 130	85	70 - 130	<0.10	ug/L	NC	30		
7315367	1,1-Dichloroethylene	2021/04/24	68 (1)	70 - 130	66 (1)	70 - 130	<0.10	ug/L	NC	30		
7315367	1,2-Dichlorobenzene	2021/04/24	95	70 - 130	92	70 - 130	<0.20	ug/L	NC	30		
7315367	1,2-Dichloroethane	2021/04/24	74	70 - 130	74	70 - 130	<0.20	ug/L	NC	30		
7315367	1,2-Dichloropropane	2021/04/24	96	70 - 130	92	70 - 130	<0.10	ug/L	NC	30		
7315367	1,3-Dichlorobenzene	2021/04/24	92	70 - 130	88	70 - 130	<0.20	ug/L	NC	30		
7315367	1,4-Dichlorobenzene	2021/04/24	106	70 - 130	102	70 - 130	<0.20	ug/L	NC	30		
7315367	Acetone (2-Propanone)	2021/04/24	58 (1)	60 - 140	59 (1)	60 - 140	<10	ug/L	NC	30		
7315367	Benzene	2021/04/24	93	70 - 130	90	70 - 130	<0.10	ug/L	NC	30		



BUREAU  
VERITAS

BV Labs Job #: C1A7341

Report Date: 2021/05/04

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental

Client Project #: GW

Sampler Initials: DT

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7315367	Bromodichloromethane	2021/04/24	90	70 - 130	88	70 - 130	<0.10	ug/L	NC	30		
7315367	Bromoform	2021/04/24	92	70 - 130	96	70 - 130	<0.20	ug/L	NC	30		
7315367	Bromomethane	2021/04/24	46 (1)	60 - 140	48 (1)	60 - 140	<0.50	ug/L	NC	30		
7315367	Carbon Tetrachloride	2021/04/24	100	70 - 130	95	70 - 130	<0.10	ug/L	NC	30		
7315367	Chlorobenzene	2021/04/24	95	70 - 130	92	70 - 130	<0.10	ug/L	NC	30		
7315367	Chloroethane	2021/04/24	68 (1)	70 - 130	67 (1)	70 - 130	<0.20	ug/L	NC	30		
7315367	Chloroform	2021/04/24	88	70 - 130	86	70 - 130	<0.10	ug/L	NC	30		
7315367	Chloromethane	2021/04/24	75	60 - 140	74	60 - 140	<0.50	ug/L	NC	30		
7315367	cis-1,2-Dichloroethylene	2021/04/24	98	70 - 130	94	70 - 130	<0.10	ug/L	NC	30		
7315367	cis-1,3-Dichloropropene	2021/04/24	95	70 - 130	94	70 - 130	<0.20	ug/L	NC	30		
7315367	Dibromochloromethane	2021/04/24	86	70 - 130	88	70 - 130	<0.20	ug/L	NC	30		
7315367	Ethylbenzene	2021/04/24	91	70 - 130	89	70 - 130	<0.10	ug/L	NC	30		
7315367	Ethylene Dibromide	2021/04/24	86	70 - 130	84	70 - 130	<0.20	ug/L	NC	30		
7315367	Methyl Ethyl Ketone (2-Butanone)	2021/04/24	83	60 - 140	82	60 - 140	<5.0	ug/L	NC	30		
7315367	Methyl Isobutyl Ketone	2021/04/24	85	70 - 130	82	70 - 130	<5.0	ug/L	NC	30		
7315367	Methyl t-butyl ether (MTBE)	2021/04/24	82	70 - 130	82	70 - 130	<0.20	ug/L	NC	30		
7315367	Methylene Chloride(Dichloromethane)	2021/04/24	94	70 - 130	92	70 - 130	<0.50	ug/L	NC	30		
7315367	o-Xylene	2021/04/24	95	70 - 130	91	70 - 130	<0.10	ug/L	NC	30		
7315367	p+m-Xylene	2021/04/24	102	70 - 130	96	70 - 130	<0.10	ug/L	NC	30		
7315367	Styrene	2021/04/24	104	70 - 130	102	70 - 130	<0.20	ug/L	NC	30		
7315367	Tetrachloroethylene	2021/04/24	102	70 - 130	98	70 - 130	<0.10	ug/L	NC	30		
7315367	Toluene	2021/04/24	96	70 - 130	92	70 - 130	<0.20	ug/L	NC	30		
7315367	Total Trihalomethanes	2021/04/24					<0.20	ug/L	NC	30		
7315367	Total Xylenes	2021/04/24					<0.10	ug/L	NC	30		
7315367	trans-1,2-Dichloroethylene	2021/04/24	103	70 - 130	95	70 - 130	<0.10	ug/L	NC	30		
7315367	trans-1,3-Dichloropropene	2021/04/24	93	70 - 130	89	70 - 130	<0.20	ug/L	NC	30		
7315367	Trichloroethylene	2021/04/24	106	70 - 130	101	70 - 130	<0.10	ug/L	NC	30		
7315367	Trichlorofluoromethane (FREON 11)	2021/04/24	65 (1)	70 - 130	65 (1)	70 - 130	<0.20	ug/L	NC	30		
7315367	Vinyl Chloride	2021/04/24	78	70 - 130	79	70 - 130	<0.20	ug/L	NC	30		
7315375	Acrolein	2021/04/24	93	60 - 140	98	60 - 140	<10	ug/L	NC	30		
7315375	Acrylonitrile	2021/04/24	99	60 - 140	99	60 - 140	<5.0	ug/L	NC	30		



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7315375	Methyl Butyl Ketone (2-Hexanone)	2021/04/24	109	60 - 140	94	60 - 140	<5.0	ug/L	NC	30		
7315541	Alkalinity (Total as CaCO3)	2021/04/23			96	85 - 115	<1.0	mg/L	0.59	20		
7315599	pH	2021/04/23			102	98 - 103			0.22	N/A		
7315600	Conductivity	2021/04/23			101	85 - 115	<1.0	umho/cm	0.15	25		
7315601	Fluoride (F-)	2021/04/23	86	80 - 120	105	80 - 120	<0.10	mg/L	0.47	20		
7315702	Total Ammonia-N	2021/04/27	90	75 - 125	100	80 - 120	<0.050	mg/L	NC	20		
7315839	Total Organic Carbon (TOC)	2021/04/23	97	80 - 120	100	80 - 120	<0.40	mg/L	0.86	20		
7315856	Total Kjeldahl Nitrogen (TKN)	2021/04/28	104	80 - 120	95	80 - 120	<0.10	mg/L	13	20	89	80 - 120
7316067	Fluoride (F-)	2021/04/26	97	80 - 120	101	80 - 120	<0.10	mg/L	2.8	20		
7316072	Alkalinity (Total as CaCO3)	2021/04/26			94	85 - 115	<1.0	mg/L	0.51	20		
7316074	pH	2021/04/26			102	98 - 103			0.29	N/A		
7316078	Conductivity	2021/04/26			100	85 - 115	<1.0	umho/cm	0	25		
7316097	Nitrate (N)	2021/04/26	103	80 - 120	99	80 - 120	<0.10	mg/L	0.63	20		
7316097	Nitrite (N)	2021/04/26	102	80 - 120	102	80 - 120	<0.010	mg/L	0	20		
7316103	Nitrate (N)	2021/04/26	100	80 - 120	100	80 - 120	<0.10	mg/L	NC	20		
7316103	Nitrite (N)	2021/04/26	102	80 - 120	102	80 - 120	<0.010	mg/L	NC	20		
7316113	Nitrate (N)	2021/04/26	98	80 - 120	99	80 - 120	<0.10	mg/L	NC	20		
7316113	Nitrite (N)	2021/04/26	102	80 - 120	103	80 - 120	<0.010	mg/L	NC	20		
7316114	Nitrate (N)	2021/04/26	NC	80 - 120	99	80 - 120	<0.10	mg/L	1.5	20		
7316114	Nitrite (N)	2021/04/26	103	80 - 120	103	80 - 120	<0.010	mg/L	NC	20		
7316127	Orthophosphate (P)	2021/04/26	112	75 - 125	100	80 - 120	<0.010	mg/L	NC	25		
7316138	Orthophosphate (P)	2021/04/26	106	75 - 125	101	80 - 120	<0.010	mg/L	16	25		
7316155	Dissolved Bromide (Br-)	2021/04/28	110	80 - 120	110	80 - 120	<1.0	mg/L	NC	20		
7316155	Dissolved Chloride (Cl-)	2021/04/28	NC	80 - 120	97	70 - 130	<1.0	mg/L	1.1	20		
7316155	Dissolved Sulphate (SO4)	2021/04/28	NC	80 - 120	100	80 - 120	<1.0	mg/L	0.019	20		
7316189	Dissolved Bromide (Br-)	2021/04/27	106	80 - 120	109	80 - 120	<1.0	mg/L	NC	20		
7316189	Dissolved Chloride (Cl-)	2021/04/27	NC	80 - 120	96	70 - 130	<1.0	mg/L	0.69	20		
7316189	Dissolved Sulphate (SO4)	2021/04/27	NC	80 - 120	98	80 - 120	<1.0	mg/L	4.8	20		
7316262	Fluoride (F-)	2021/04/26	28 (2)	80 - 120	98	80 - 120	<0.10	mg/L	7.5	20		



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7316272	pH	2021/04/26			102	98 - 103			0.088	N/A		
7316275	Alkalinity (Total as CaCO3)	2021/04/26			94	85 - 115	<1.0	mg/L	1.7	20		
7316279	Conductivity	2021/04/26			101	85 - 115	<1.0	umho/cm	0.076	25		
7316295	Dissolved Bromide (Br-)	2021/04/28	112	80 - 120	110	80 - 120	<1.0	mg/L	NC	20		
7316295	Dissolved Chloride (Cl-)	2021/04/28	NC	80 - 120	99	70 - 130	<1.0	mg/L	0.083	20		
7316295	Dissolved Sulphate (SO4)	2021/04/28	NC	80 - 120	100	80 - 120	<1.0	mg/L	0.0013	20		
7316721	Nitrate (N)	2021/04/27	88	80 - 120	92	80 - 120	<0.10	mg/L	NC	20		
7316721	Nitrite (N)	2021/04/27	101	80 - 120	103	80 - 120	<0.010	mg/L	NC	20		
7317207	Orthophosphate (P)	2021/04/26	108	75 - 125	100	80 - 120	<0.010	mg/L	NC	25		
7317216	Nitrate (N)	2021/04/28	95	80 - 120	99	80 - 120	<0.10	mg/L	NC	20		
7317216	Nitrite (N)	2021/04/28	101	80 - 120	102	80 - 120	<0.010	mg/L				
7317387	Total Dissolved Solids	2021/04/26					<10	mg/L	3.9	25	98	90 - 110
7317410	Alkalinity (Total as CaCO3)	2021/04/26			95	85 - 115	<1.0	mg/L	0.12	20		
7317415	pH	2021/04/26			102	98 - 103			0.16	N/A		
7317416	Conductivity	2021/04/26			102	85 - 115	<1.0	umho/cm	0.058	25		
7317417	Fluoride (F-)	2021/04/26	93	80 - 120	97	80 - 120	<0.10	mg/L	15	20		
7317421	Dissolved Aluminum (Al)	2021/04/29	103	80 - 120	99	80 - 120	<4.9	ug/L	NC	20		
7317421	Dissolved Antimony (Sb)	2021/04/29	103	80 - 120	99	80 - 120	<0.50	ug/L	NC	20		
7317421	Dissolved Arsenic (As)	2021/04/29	102	80 - 120	100	80 - 120	<1.0	ug/L	NC	20		
7317421	Dissolved Barium (Ba)	2021/04/29	97	80 - 120	100	80 - 120	<2.0	ug/L	2.3	20		
7317421	Dissolved Beryllium (Be)	2021/04/29	99	80 - 120	102	80 - 120	<0.40	ug/L	NC	20		
7317421	Dissolved Bismuth (Bi)	2021/04/29	94	80 - 120	98	80 - 120	<1.0	ug/L	NC	20		
7317421	Dissolved Boron (B)	2021/04/29	NC	80 - 120	95	80 - 120	<10	ug/L	0.37	20		
7317421	Dissolved Cadmium (Cd)	2021/04/29	98	80 - 120	98	80 - 120	<0.090	ug/L	NC	20		
7317421	Dissolved Calcium (Ca)	2021/04/29	NC	80 - 120	100	80 - 120	<200	ug/L	1.5	20		
7317421	Dissolved Chromium (Cr)	2021/04/29	98	80 - 120	97	80 - 120	<5.0	ug/L	NC	20		
7317421	Dissolved Cobalt (Co)	2021/04/29	99	80 - 120	100	80 - 120	<0.50	ug/L	NC	20		
7317421	Dissolved Copper (Cu)	2021/04/29	101	80 - 120	101	80 - 120	<0.90	ug/L	NC	20		
7317421	Dissolved Iron (Fe)	2021/04/29	101	80 - 120	100	80 - 120	<100	ug/L	0.14	20		



BUREAU  
VERITAS

BV Labs Job #: C1A7341

Report Date: 2021/05/04

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental

Client Project #: GW

Sampler Initials: DT

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7317421	Dissolved Lead (Pb)	2021/04/29	95	80 - 120	98	80 - 120	<0.50	ug/L	NC	20		
7317421	Dissolved Lithium (Li)	2021/04/29	101	80 - 120	106	80 - 120	<5.0	ug/L	0.50	20		
7317421	Dissolved Magnesium (Mg)	2021/04/29	NC	80 - 120	103	80 - 120	<50	ug/L	2.4	20		
7317421	Dissolved Manganese (Mn)	2021/04/29	97	80 - 120	97	80 - 120	<2.0	ug/L	0.98	20		
7317421	Dissolved Molybdenum (Mo)	2021/04/29	104	80 - 120	100	80 - 120	<0.50	ug/L	1.5	20		
7317421	Dissolved Nickel (Ni)	2021/04/29	94	80 - 120	96	80 - 120	<1.0	ug/L	NC	20		
7317421	Dissolved Phosphorus (P)	2021/04/29	109	80 - 120	117	80 - 120	<100	ug/L	NC	20		
7317421	Dissolved Potassium (K)	2021/04/29	100	80 - 120	102	80 - 120	<200	ug/L	1.1	20		
7317421	Dissolved Selenium (Se)	2021/04/29	96	80 - 120	97	80 - 120	<2.0	ug/L	NC	20		
7317421	Dissolved Silicon (Si)	2021/04/29	103	80 - 120	100	80 - 120	<50	ug/L	2.0	20		
7317421	Dissolved Silver (Ag)	2021/04/29	74 (2)	80 - 120	97	80 - 120	<0.090	ug/L	NC	20		
7317421	Dissolved Sodium (Na)	2021/04/29	NC	80 - 120	103	80 - 120	<100	ug/L	1.8	20		
7317421	Dissolved Strontium (Sr)	2021/04/29	NC	80 - 120	96	80 - 120	<1.0	ug/L	0.91	20		
7317421	Dissolved Tellurium (Te)	2021/04/29	94	80 - 120	98	80 - 120	<1.0	ug/L	NC	20		
7317421	Dissolved Thallium (Tl)	2021/04/29	98	80 - 120	102	80 - 120	<0.050	ug/L	NC	20		
7317421	Dissolved Tin (Sn)	2021/04/29	102	80 - 120	98	80 - 120	<1.0	ug/L	NC	20		
7317421	Dissolved Titanium (Ti)	2021/04/29	97	80 - 120	94	80 - 120	<5.0	ug/L	NC	20		
7317421	Dissolved Tungsten (W)	2021/04/29	103	80 - 120	102	80 - 120	<1.0	ug/L	NC	20		
7317421	Dissolved Uranium (U)	2021/04/29	100	80 - 120	100	80 - 120	<0.10	ug/L	0.49	20		
7317421	Dissolved Vanadium (V)	2021/04/29	102	80 - 120	99	80 - 120	<0.50	ug/L	NC	20		
7317421	Dissolved Zinc (Zn)	2021/04/29	94	80 - 120	97	80 - 120	<5.0	ug/L	NC	20		
7317421	Dissolved Zirconium (Zr)	2021/04/29	108	80 - 120	101	80 - 120	<1.0	ug/L	NC	20		
7317424	Dissolved Aluminum (Al)	2021/04/30	104	80 - 120	104	80 - 120	<4.9	ug/L	NC	20		
7317424	Dissolved Antimony (Sb)	2021/04/30	103	80 - 120	103	80 - 120	<0.50	ug/L	2.1	20		
7317424	Dissolved Arsenic (As)	2021/04/30	98	80 - 120	97	80 - 120	<1.0	ug/L	NC	20		
7317424	Dissolved Barium (Ba)	2021/04/30	97	80 - 120	101	80 - 120	<2.0	ug/L	1.7	20		
7317424	Dissolved Beryllium (Be)	2021/04/30	100	80 - 120	98	80 - 120	<0.40	ug/L	NC	20		
7317424	Dissolved Bismuth (Bi)	2021/04/30	95	80 - 120	96	80 - 120	<1.0	ug/L	NC	20		
7317424	Dissolved Boron (B)	2021/04/30	96	80 - 120	98	80 - 120	<10	ug/L	2.2	20		
7317424	Dissolved Cadmium (Cd)	2021/04/30	99	80 - 120	100	80 - 120	<0.090	ug/L	9.8	20		
7317424	Dissolved Calcium (Ca)	2021/04/30	NC	80 - 120	101	80 - 120	<200	ug/L	1.4	20		



BUREAU  
VERITAS

BV Labs Job #: C1A7341

Report Date: 2021/05/04

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental

Client Project #: GW

Sampler Initials: DT

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7317424	Dissolved Chromium (Cr)	2021/04/30	99	80 - 120	96	80 - 120	<5.0	ug/L	NC	20		
7317424	Dissolved Cobalt (Co)	2021/04/30	97	80 - 120	94	80 - 120	<0.50	ug/L	2.5	20		
7317424	Dissolved Copper (Cu)	2021/04/30	97	80 - 120	98	80 - 120	<0.90	ug/L	2.4	20		
7317424	Dissolved Iron (Fe)	2021/04/30	95	80 - 120	94	80 - 120	<100	ug/L	NC	20		
7317424	Dissolved Lead (Pb)	2021/04/30	93	80 - 120	93	80 - 120	<0.50	ug/L	1.6	20		
7317424	Dissolved Lithium (Li)	2021/04/30	96	80 - 120	97	80 - 120	<5.0	ug/L	0.30	20		
7317424	Dissolved Magnesium (Mg)	2021/04/30	NC	80 - 120	94	80 - 120	<50	ug/L	0.55	20		
7317424	Dissolved Manganese (Mn)	2021/04/30	99	80 - 120	97	80 - 120	<2.0	ug/L	0.24	20		
7317424	Dissolved Molybdenum (Mo)	2021/04/30	105	80 - 120	100	80 - 120	<0.50	ug/L	2.3	20		
7317424	Dissolved Nickel (Ni)	2021/04/30	94	80 - 120	94	80 - 120	<1.0	ug/L	1.4	20		
7317424	Dissolved Phosphorus (P)	2021/04/30	121 (2)	80 - 120	110	80 - 120	<100	ug/L	NC	20		
7317424	Dissolved Potassium (K)	2021/04/30	95	80 - 120	97	80 - 120	<200	ug/L	1.6	20		
7317424	Dissolved Selenium (Se)	2021/04/30	101	80 - 120	100	80 - 120	<2.0	ug/L	NC	20		
7317424	Dissolved Silicon (Si)	2021/04/30	101	80 - 120	101	80 - 120	<50	ug/L	1.9	20		
7317424	Dissolved Silver (Ag)	2021/04/30	93	80 - 120	98	80 - 120	<0.090	ug/L	NC	20		
7317424	Dissolved Sodium (Na)	2021/04/30	NC	80 - 120	95	80 - 120	<100	ug/L	0.35	20		
7317424	Dissolved Strontium (Sr)	2021/04/30	NC	80 - 120	99	80 - 120	<1.0	ug/L	2.1	20		
7317424	Dissolved Tellurium (Te)	2021/04/30	97	80 - 120	103	80 - 120	<1.0	ug/L	NC	20		
7317424	Dissolved Thallium (Tl)	2021/04/30	93	80 - 120	94	80 - 120	<0.050	ug/L	7.8	20		
7317424	Dissolved Tin (Sn)	2021/04/30	103	80 - 120	101	80 - 120	<1.0	ug/L	0.75	20		
7317424	Dissolved Titanium (Ti)	2021/04/30	97	80 - 120	98	80 - 120	<5.0	ug/L	NC	20		
7317424	Dissolved Tungsten (W)	2021/04/30	99	80 - 120	96	80 - 120	<1.0	ug/L	NC	20		
7317424	Dissolved Uranium (U)	2021/04/30	106	80 - 120	103	80 - 120	<0.10	ug/L	2.3	20		
7317424	Dissolved Vanadium (V)	2021/04/30	101	80 - 120	96	80 - 120	<0.50	ug/L	NC	20		
7317424	Dissolved Zinc (Zn)	2021/04/30	95	80 - 120	97	80 - 120	<5.0	ug/L	0.72	20		
7317424	Dissolved Zirconium (Zr)	2021/04/30	106	80 - 120	103	80 - 120	<1.0	ug/L	NC	20		
7317426	Dissolved Aluminum (Al)	2021/04/27	96	80 - 120	93	80 - 120	<4.9	ug/L	1.1	20		
7317426	Dissolved Antimony (Sb)	2021/04/27	101	80 - 120	101	80 - 120	<0.50	ug/L	0.86	20		
7317426	Dissolved Arsenic (As)	2021/04/27	NC	80 - 120	100	80 - 120	<1.0	ug/L	0.020	20		
7317426	Dissolved Barium (Ba)	2021/04/27	99	80 - 120	98	80 - 120	<2.0	ug/L	6.4	20		
7317426	Dissolved Beryllium (Be)	2021/04/27	100	80 - 120	101	80 - 120	<0.40	ug/L	NC	20		





BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7317426	Dissolved Bismuth (Bi)	2021/04/27	97	80 - 120	98	80 - 120	<1.0	ug/L	NC	20		
7317426	Dissolved Boron (B)	2021/04/27	95	80 - 120	98	80 - 120	<10	ug/L	3.2	20		
7317426	Dissolved Cadmium (Cd)	2021/04/27	99	80 - 120	99	80 - 120	<0.090	ug/L	NC	20		
7317426	Dissolved Calcium (Ca)	2021/04/27	NC	80 - 120	91	80 - 120	<200	ug/L	2.5	20		
7317426	Dissolved Chromium (Cr)	2021/04/27	97	80 - 120	98	80 - 120	<5.0	ug/L	NC	20		
7317426	Dissolved Cobalt (Co)	2021/04/27	96	80 - 120	98	80 - 120	<0.50	ug/L	1.1	20		
7317426	Dissolved Copper (Cu)	2021/04/27	99	80 - 120	99	80 - 120	<0.90	ug/L	0.034	20		
7317426	Dissolved Iron (Fe)	2021/04/27	95	80 - 120	97	80 - 120	<100	ug/L	NC	20		
7317426	Dissolved Lead (Pb)	2021/04/27	98	80 - 120	99	80 - 120	<0.50	ug/L	NC	20		
7317426	Dissolved Lithium (Li)	2021/04/27	104	80 - 120	104	80 - 120	<5.0	ug/L	NC	20		
7317426	Dissolved Magnesium (Mg)	2021/04/27	99	80 - 120	100	80 - 120	<50	ug/L	1.3	20		
7317426	Dissolved Manganese (Mn)	2021/04/27	96	80 - 120	98	80 - 120	<2.0	ug/L	0.69	20		
7317426	Dissolved Molybdenum (Mo)	2021/04/27	101	80 - 120	101	80 - 120	<0.50	ug/L	4.1	20		
7317426	Dissolved Nickel (Ni)	2021/04/27	95	80 - 120	96	80 - 120	<1.0	ug/L	4.0	20		
7317426	Dissolved Phosphorus (P)	2021/04/27	103	80 - 120	107	80 - 120	<100	ug/L	NC	20		
7317426	Dissolved Potassium (K)	2021/04/27	101	80 - 120	100	80 - 120	<200	ug/L	0.76	20		
7317426	Dissolved Selenium (Se)	2021/04/27	96	80 - 120	93	80 - 120	<2.0	ug/L	NC	20		
7317426	Dissolved Silicon (Si)	2021/04/27	95	80 - 120	92	80 - 120	<50	ug/L	2.0	20		
7317426	Dissolved Silver (Ag)	2021/04/27	98	80 - 120	99	80 - 120	<0.090	ug/L	NC	20		
7317426	Dissolved Sodium (Na)	2021/04/27	98	80 - 120	97	80 - 120	<100	ug/L	1.4	20		
7317426	Dissolved Strontium (Sr)	2021/04/27	95	80 - 120	98	80 - 120	<1.0	ug/L	1.2	20		
7317426	Dissolved Tellurium (Te)	2021/04/27	97	80 - 120	99	80 - 120	<1.0	ug/L	NC	20		
7317426	Dissolved Thallium (Tl)	2021/04/27	97	80 - 120	100	80 - 120	<0.050	ug/L	NC	20		
7317426	Dissolved Tin (Sn)	2021/04/27	100	80 - 120	100	80 - 120	<1.0	ug/L	NC	20		
7317426	Dissolved Titanium (Ti)	2021/04/27	91	80 - 120	85	80 - 120	<5.0	ug/L	NC	20		
7317426	Dissolved Tungsten (W)	2021/04/27	102	80 - 120	100	80 - 120	<1.0	ug/L	NC	20		
7317426	Dissolved Uranium (U)	2021/04/27	99	80 - 120	99	80 - 120	<0.10	ug/L	0	20		
7317426	Dissolved Vanadium (V)	2021/04/27	98	80 - 120	98	80 - 120	<0.50	ug/L	NC	20		
7317426	Dissolved Zinc (Zn)	2021/04/27	97	80 - 120	98	80 - 120	<5.0	ug/L	0.73	20		
7317426	Dissolved Zirconium (Zr)	2021/04/27	104	80 - 120	103	80 - 120	<1.0	ug/L	NC	20		
7317436	Dissolved Bromide (Br-)	2021/04/28	109	80 - 120	111	80 - 120	<1.0	mg/L	NC	20		



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7317436	Dissolved Chloride (Cl-)	2021/04/28	95	80 - 120	98	70 - 130	<1.0	mg/L	3.3	20		
7317436	Dissolved Sulphate (SO4)	2021/04/28	NC	80 - 120	101	80 - 120	<1.0	mg/L	0.19	20		
7318988	Total Kjeldahl Nitrogen (TKN)	2021/04/27	NC	80 - 120	94	80 - 120	<0.10	mg/L	2.2	20	97	80 - 120
7318993	Total Organic Carbon (TOC)	2021/04/27	94	80 - 120	98	80 - 120	<0.40	mg/L	2.2	20		
7319050	Total Kjeldahl Nitrogen (TKN)	2021/04/27	106	80 - 120	98	80 - 120	<0.10	mg/L	3.4	20	103	80 - 120
7319134	Total Ammonia-N	2021/04/27	95	75 - 125	100	80 - 120	<0.050	mg/L	NC	20		
7319691	Total Kjeldahl Nitrogen (TKN)	2021/04/29	114	80 - 120	93	80 - 120	<0.10	mg/L	19	20	101	80 - 120
7319696	Total Organic Carbon (TOC)	2021/04/27	97	80 - 120	101	80 - 120	<0.40	mg/L	1.2	20		
7320430	Total Organic Carbon (TOC)	2021/04/27	96	80 - 120	99	80 - 120	<0.40	mg/L	0	20		
7320554	Total Ammonia-N	2021/04/28	91	75 - 125	100	80 - 120	<0.050	mg/L	2.4	20		
7320906	Total Ammonia-N	2021/04/28	NC	75 - 125	100	80 - 120	<0.050	mg/L	0.18	20		
7322724	a-Chlordane	2021/04/28	87	50 - 130	90	50 - 130	<0.005	ug/L	NC	30		
7322724	Aldrin	2021/04/28	80	50 - 130	77	50 - 130	<0.005	ug/L	NC	30		
7322724	alpha-BHC	2021/04/28	84	30 - 130	89	30 - 130	<0.005	ug/L	NC	40		
7322724	Aroclor 1242	2021/04/28					<0.05	ug/L	NC	30		
7322724	Aroclor 1248	2021/04/28					<0.05	ug/L	NC	30		
7322724	Aroclor 1254	2021/04/28					<0.05	ug/L	NC	30		
7322724	Aroclor 1260	2021/04/28					<0.05	ug/L	NC	30		
7322724	beta-BHC	2021/04/28	79	30 - 130	82	30 - 130	<0.005	ug/L	NC	40		
7322724	Dieldrin	2021/04/28	103	50 - 130	109	50 - 130	<0.005	ug/L	NC	30		
7322724	Endosulfan I (alpha)	2021/04/28	79	50 - 130	82	50 - 130	<0.005	ug/L	NC	30		
7322724	Endosulfan II (beta)	2021/04/28	87	50 - 130	92	50 - 130	<0.005	ug/L	NC	30		
7322724	Endrin aldehyde	2021/04/28	92	30 - 130	101	30 - 130	<0.005	ug/L	NC	40		
7322724	Endrin ketone	2021/04/28	98	30 - 130	104	30 - 130	<0.005	ug/L	NC	40		
7322724	Endrin	2021/04/28	92	50 - 130	97	50 - 130	<0.005	ug/L	NC	30		
7322724	g-Chlordane	2021/04/28	89	50 - 130	92	50 - 130	<0.005	ug/L	NC	30		
7322724	Heptachlor epoxide	2021/04/28	86	50 - 130	92	50 - 130	<0.005	ug/L	NC	30		
7322724	Heptachlor	2021/04/28	86	50 - 130	85	50 - 130	<0.005	ug/L	NC	30		
7322724	Hexachlorobenzene	2021/04/28	83	50 - 130	83	50 - 130	<0.005	ug/L	NC	30		
7322724	Hexachlorobutadiene	2021/04/28	85	50 - 130	82	50 - 130	<0.009	ug/L	NC	30		
7322724	Hexachloroethane	2021/04/28	79	50 - 130	70	50 - 130	<0.01	ug/L	NC	30		



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7322724	Lindane	2021/04/28	86	50 - 130	90	50 - 130	<0.003	ug/L	NC	30		
7322724	Methoxychlor	2021/04/28	104	50 - 130	111	50 - 130	<0.01	ug/L	NC	30		
7322724	Mirex	2021/04/28	99	30 - 130	91	30 - 130	<0.005	ug/L	NC	40		
7322724	o,p-DDD	2021/04/28	102	50 - 130	106	50 - 130	<0.005	ug/L	NC	30		
7322724	o,p-DDE	2021/04/28	88	50 - 130	90	50 - 130	<0.005	ug/L	NC	30		
7322724	o,p-DDT	2021/04/28	96	50 - 130	97	50 - 130	<0.005	ug/L	NC	30		
7322724	p,p-DDD	2021/04/28	103	50 - 130	107	50 - 130	<0.005	ug/L	NC	30		
7322724	p,p-DDE	2021/04/28	83	50 - 130	81	50 - 130	<0.005	ug/L	NC	30		
7322724	p,p-DDT	2021/04/28	95	50 - 130	100	50 - 130	<0.005	ug/L	NC	30		
7322724	Toxaphene	2021/04/28					<0.2	ug/L	NC	40		
7327273	1,2,3,4-Tetrachlorobenzene	2021/05/03	51	30 - 130	53	30 - 130	<0.50	ug/L	NC	40		
7327273	1,2,3,5-Tetrachlorobenzene	2021/05/03	57	30 - 130	55	30 - 130	<0.50	ug/L	NC	40		
7327273	1,2,3-Trichlorobenzene	2021/05/03	56	30 - 130	58	30 - 130	<0.50	ug/L	NC	40		
7327273	1,2,4,5-Tetrachlorobenzene	2021/05/03	53	30 - 130	55	30 - 130	<0.50	ug/L	NC	40		
7327273	1,2,4-Trichlorobenzene	2021/05/03	53	30 - 130	56	30 - 130	<0.50	ug/L	NC	40		
7327273	1,2-Dichlorobenzene	2021/05/03	53	30 - 130	57	30 - 130	<0.50	ug/L	NC	40		
7327273	1,3,5-Trichlorobenzene	2021/05/03	57	30 - 130	60	30 - 130	<0.50	ug/L	NC	40		
7327273	1,3-Dichlorobenzene	2021/05/03	46	30 - 130	49	30 - 130	<0.50	ug/L	NC	40		
7327273	1,4-Dichlorobenzene	2021/05/03	50	30 - 130	54	30 - 130	<0.50	ug/L	NC	40		
7327273	1-Chloronaphthalene	2021/05/03	55	30 - 130	59	30 - 130	<1.0	ug/L	NC	40		
7327273	1-Methylnaphthalene	2021/05/03	80	30 - 130	81	30 - 130	<0.20	ug/L	NC	40		
7327273	2,3,4,5-Tetrachlorophenol	2021/05/03	86	10 - 130	85	10 - 130	<0.40	ug/L	NC	40		
7327273	2,3,4,6-Tetrachlorophenol	2021/05/03	103	10 - 130	101	10 - 130	<0.50	ug/L	NC	40		
7327273	2,3,4-Trichlorophenol	2021/05/03	80	10 - 130	82	10 - 130	<0.50	ug/L	NC	40		
7327273	2,3,5,6-Tetrachlorophenol	2021/05/03	99	10 - 130	86	10 - 130	<0.50	ug/L	NC	40		
7327273	2,3,5-Trichlorophenol	2021/05/03	82	10 - 130	84	10 - 130	<0.50	ug/L	NC	40		
7327273	2,3,6-Trichlorophenol	2021/05/03	78	10 - 130	80	10 - 130	<0.50	ug/L	NC	40		
7327273	2,3-Dichlorophenol	2021/05/03	70	10 - 130	74	10 - 130	<0.50	ug/L	NC	40		
7327273	2,4,5-Trichlorophenol	2021/05/03	84	10 - 130	87	10 - 130	<0.50	ug/L	NC	40		
7327273	2,4,6-Trichlorophenol	2021/05/03	80	10 - 130	85	10 - 130	<0.50	ug/L	NC	40		
7327273	2,4-Dichlorophenol	2021/05/03	73	10 - 130	79	10 - 130	<0.30	ug/L	NC	40		



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7327273	2,4-Dimethylphenol	2021/05/03	37	10 - 130	61	10 - 130	<0.50	ug/L	NC	40		
7327273	2,4-Dinitrophenol	2021/05/03	79	10 - 130	79	10 - 130	<2.0	ug/L	NC	40		
7327273	2,4-Dinitrotoluene	2021/05/03	99	30 - 130	99	30 - 130	<0.50	ug/L	NC	40		
7327273	2,5-Dichlorophenol	2021/05/03	74	10 - 130	75	10 - 130	<0.50	ug/L	NC	40		
7327273	2,6-Dichlorophenol	2021/05/03	80	10 - 130	82	10 - 130	<0.50	ug/L	NC	40		
7327273	2,6-Dinitrotoluene	2021/05/03	80	30 - 130	87	30 - 130	<0.50	ug/L	NC	40		
7327273	2-Chloronaphthalene	2021/05/03	71	30 - 130	75	30 - 130	<0.50	ug/L	NC	40		
7327273	2-Chlorophenol	2021/05/03	68	10 - 130	74	10 - 130	<0.30	ug/L	NC	40		
7327273	2-Methylnaphthalene	2021/05/03	74	30 - 130	75	30 - 130	<0.20	ug/L	NC	40		
7327273	2-Nitrophenol	2021/05/03	75	10 - 130	78	10 - 130	<0.50	ug/L	NC	40		
7327273	3,3'-Dichlorobenzidine	2021/05/03	17 (2)	30 - 130	90	30 - 130	<0.50	ug/L	NC	40		
7327273	3,4,5-Trichlorophenol	2021/05/03	85	10 - 130	89	10 - 130	<0.50	ug/L	NC	40		
7327273	3,4-Dichlorophenol	2021/05/03	87	10 - 130	88	10 - 130	<0.50	ug/L	NC	40		
7327273	3,5-Dichlorophenol	2021/05/03	99	10 - 130	101	10 - 130	<0.50	ug/L	NC	40		
7327273	4,6-Dinitro-2-methylphenol	2021/05/03	110	10 - 130	106	10 - 130	<2.0	ug/L	NC	40		
7327273	4-Bromophenyl phenyl ether	2021/05/03	76	30 - 130	79	30 - 130	<0.30	ug/L	NC	40		
7327273	4-Chloro-3-Methylphenol	2021/05/03	86	10 - 130	86	10 - 130	<0.50	ug/L	NC	40		
7327273	4-Chlorophenyl phenyl ether	2021/05/03	73	30 - 130	74	30 - 130	<0.50	ug/L	NC	40		
7327273	4-Nitrophenol	2021/05/03	28	10 - 130	29	10 - 130	<1.4	ug/L	NC	40		
7327273	5-Nitroacenaphthene	2021/05/03	105	30 - 130	102	30 - 130	<1.0	ug/L	NC	40		
7327273	Acenaphthene	2021/05/03	80	30 - 130	84	30 - 130	<0.20	ug/L	NC	40		
7327273	Acenaphthylene	2021/05/03	77	30 - 130	81	30 - 130	<0.20	ug/L	NC	40		
7327273	Anthracene	2021/05/03	88	30 - 130	91	30 - 130	<0.20	ug/L	NC	40		
7327273	Benzo(a)anthracene	2021/05/03	102	30 - 130	103	30 - 130	<0.20	ug/L	NC	40		
7327273	Benzo(a)pyrene	2021/05/03	90	30 - 130	95	30 - 130	<0.20	ug/L	NC	40		
7327273	Benzo(b/j)fluoranthene	2021/05/03	102	30 - 130	101	30 - 130	<0.20	ug/L	NC	40		
7327273	Benzo(g,h,i)perylene	2021/05/03	102	30 - 130	98	30 - 130	<0.20	ug/L	NC	40		
7327273	Benzo(k)fluoranthene	2021/05/03	100	30 - 130	104	30 - 130	<0.20	ug/L	NC	40		
7327273	Benzyl butyl phthalate	2021/05/03	102	30 - 130	103	30 - 130	<0.50	ug/L	NC	40		
7327273	Biphenyl	2021/05/03	71	30 - 130	73	30 - 130	<0.50	ug/L	NC	40		
7327273	Bis(2-chloroethoxy)methane	2021/05/03	66	30 - 130	69	30 - 130	<0.50	ug/L	NC	40		



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7327273	Bis(2-chloroethyl)ether	2021/05/03	71	30 - 130	75	30 - 130	<0.50	ug/L	NC	40		
7327273	Bis(2-chloroisopropyl)ether	2021/05/03	64	30 - 130	68	30 - 130	<0.50	ug/L	NC	40		
7327273	Bis(2-ethylhexyl)phthalate	2021/05/03	102	30 - 130	101	30 - 130	<2.0	ug/L	NC	40		
7327273	Chrysene	2021/05/03	108	30 - 130	112	30 - 130	<0.20	ug/L	NC	40		
7327273	Dibenzo(a,h)anthracene	2021/05/03	105	30 - 130	102	30 - 130	<0.20	ug/L	NC	40		
7327273	Diethyl phthalate	2021/05/03	90	30 - 130	91	30 - 130	<1.0	ug/L	NC	40		
7327273	Dimethyl phthalate	2021/05/03	85	30 - 130	85	30 - 130	<1.0	ug/L	NC	40		
7327273	Di-N-butyl phthalate	2021/05/03	103	30 - 130	100	30 - 130	<2.0	ug/L	NC	40		
7327273	di-n-octyl phthalate	2021/05/03	105	30 - 130	100	30 - 130	<0.80	ug/L	NC	40		
7327273	Diphenyl Ether	2021/05/03	58	30 - 130	58	30 - 130	<0.30	ug/L	NC	40		
7327273	Fluoranthene	2021/05/03	104	30 - 130	99	30 - 130	<0.20	ug/L	NC	40		
7327273	Fluorene	2021/05/03	86	30 - 130	89	30 - 130	<0.20	ug/L	NC	40		
7327273	Hexachlorobenzene	2021/05/03	82	30 - 130	86	30 - 130	<0.50	ug/L	NC	40		
7327273	Hexachlorobutadiene	2021/05/03	43	30 - 130	44	30 - 130	<0.40	ug/L	NC	40		
7327273	Hexachlorocyclopentadiene	2021/05/03	39	30 - 130	48	30 - 130	<2.0	ug/L	NC	40		
7327273	Hexachloroethane	2021/05/03	42	30 - 130	48	30 - 130	<0.50	ug/L	NC	40		
7327273	Indeno(1,2,3-cd)pyrene	2021/05/03	100	30 - 130	97	30 - 130	<0.20	ug/L	NC	40		
7327273	Isophorone	2021/05/03	84	30 - 130	97	30 - 130	<0.50	ug/L	NC	40		
7327273	m/p-Cresol	2021/05/03	54	10 - 130	58	10 - 130	<0.50	ug/L	NC	40		
7327273	Naphthalene	2021/05/03	65	30 - 130	69	30 - 130	<0.20	ug/L	NC	40		
7327273	Nitrobenzene	2021/05/03	73	30 - 130	78	30 - 130	<0.50	ug/L	NC	40		
7327273	Nitrosodiphenylamine/Diphenylamine	2021/05/03	86	30 - 130	98	30 - 130	<1.0	ug/L	NC	40		
7327273	N-Nitroso-di-n-propylamine	2021/05/03	94	30 - 130	102	30 - 130	<0.50	ug/L	NC	40		
7327273	o-Cresol	2021/05/03	57	10 - 130	63	10 - 130	<0.50	ug/L	NC	40		
7327273	p-Chloroaniline	2021/05/03	53	30 - 130	103	30 - 130	<1.0	ug/L	NC	40		
7327273	Pentachlorobenzene	2021/05/03	64	30 - 130	67	30 - 130	<0.50	ug/L	NC	40		
7327273	Pentachlorophenol	2021/05/03	83	10 - 130	69	10 - 130	<1.0	ug/L	NC	40		
7327273	Perylene	2021/05/03	97	30 - 130	100	30 - 130	<0.20	ug/L	NC	40		
7327273	Phenanthrene	2021/05/03	92	30 - 130	95	30 - 130	<0.20	ug/L	NC	40		
7327273	Phenol	2021/05/03	24	10 - 130	26	10 - 130	<0.50	ug/L	NC	40		
7327273	Pyrene	2021/05/03	108	30 - 130	112	30 - 130	<0.20	ug/L	NC	40		



BUREAU  
VERITAS

BV Labs Job #: C1A7341

Report Date: 2021/05/04

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental

Client Project #: GW

Sampler Initials: DT

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7329204	Alkalinity (Total as CaCO3)	2021/05/03			94	85 - 115	<1.0	mg/L	1.4	20		
7329902	Dissolved Bromide (Br-)	2021/05/03	110	80 - 120	110	80 - 120	<1.0	mg/L	NC	20		
7329902	Dissolved Chloride (Cl-)	2021/05/03	97	80 - 120	97	70 - 130	<1.0	mg/L	NC	20		
7329902	Dissolved Sulphate (SO4)	2021/05/03	NC	80 - 120	100	80 - 120	<1.0	mg/L	0.52	20		

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

(1) The recovery was below the lower control limit. This may represent a low bias in some results for this specific analyte.

(2) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.



BUREAU  
VERITAS

BV Labs Job #: C1A7341  
Report Date: 2021/05/04

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

\_\_\_\_\_  
Anastassia Hamanov, Scientific Specialist

\_\_\_\_\_  
Brad Newman, B.Sc., C.Chem., Scientific Service Specialist

\_\_\_\_\_  
Ewa Pranjic, M.Sc., C.Chem, Scientific Specialist

---

BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.





Bureau Veritas Laboratories  
6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: (905) 817-5700 Toll-free: 800-563-6266 Fax: (905) 817-5777 www.bvlabs.com

22-Apr-21 15:34

Page 1 of 6  
1015

Jolanta Goralczyk  
CIA7341

<b>INVOICE TO:</b>		<b>REPORT TO:</b>		<b>PROJECT INFORMATION:</b>		<b>se Only:</b>	
Company Name: #16786 Terrapure Environmental	Attention: Accounting	Address: 65 Green Mountain Rd West Stoney Creek ON L8J 1X5	Tel: (905) 561-0305 Fax: (905) 561-1674 Email: kbailey@terrapureenv.com	Company Name: Brad Mullin - GHD Reporting	Attention: Brad Mullin	Address:	Tel: Fax: Email: bmulin@terrapureenv.com; dtaylor2@terrapureenv.com
Quotation #: B60569				Bottle Order #: 819873			
P.O. #: JA5 ENV-1234				Project Name: GW			
Project Name: GW				COC #: C#819873-12-01			
Site #: _____				Project Manager: Jolanta Goralczyk			
Sampled By: _____				Barcode: C#819873-12-01			

MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BV LABS DRINKING WATER CHAIN OF CUSTODY					ANALYSIS REQUESTED (PLEASE BE SPECIFIC)					Turnaround Time (TAT) Required: Please provide advance notice for rush projects		
Regulation 153 (2011)			Other Regulations			Special Instructions		Field Filtered (please circle):		Regular (Standard) TAT:		
<input type="checkbox"/> Table 1	<input type="checkbox"/> Res/Park	<input type="checkbox"/> Medium/Fine	<input type="checkbox"/> CCME	<input type="checkbox"/> Sanitary Sewer Bylaw			Metals, Hg / Cr VI	Lit "A" GW Monitoring	Lit "B" GW Monitoring	Biological-Growth Based (BGB)	Regular (Standard) TAT: (will be applied if Rush TAT is not specified): Standard TAT = 5-7 Working days for most tests.	
<input type="checkbox"/> Table 2	<input type="checkbox"/> Ind/Comm	<input type="checkbox"/> Coarse	<input type="checkbox"/> Reg 558	<input type="checkbox"/> Storm Sewer Bylaw							Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.	
<input type="checkbox"/> Table 3	<input type="checkbox"/> Agri/Other	<input type="checkbox"/> For RSC	<input type="checkbox"/> MISA	<input type="checkbox"/> Municipality _____							Job Specific Rush TAT (if applies to entire submission) Date Required: _____ Time Required: _____	
<input type="checkbox"/> Table _____	<input type="checkbox"/> PWQO	<input type="checkbox"/> Reg 406 Table _____	<input type="checkbox"/> Other _____	Rush Confirmation Number: _____ (call lab for #)								
Include Criteria on Certificate of Analysis (Y/N)?												
Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Field Filtered	Lit "A" GW Monitoring	Lit "B" GW Monitoring	Biological-Growth Based (BGB)	# of Bottles	Comments		
1	49-II	Apr 20 2021	NA	GW	Y	X			6			
2	49-IV			GW	Y	X			6			
3	49-V			GW	Y	X			6			
4	60-I			GW	Y	X			6			
5	60-II			GW	Y	X			6			
6	60-III			GW	Y	X			6			
7	60-IV			GW	Y	X			6			
8	3-II			GW	Y	X			6			
9	11-III			GW	Y	X			6			
10	46-IR			GW	Y	X			6			

* RELINQUISHED BY: (Signature/Print) <i>Don Taylor</i>	Date: (YY/MM/DD) 21/04/22	Time 9:00	RECEIVED BY: (Signature/Print) <i>Forrest F. Howard</i>	Date: (YY/MM/DD) 2021/04/22	Time 15:34	# jars used and not submitted	Laboratory Use Only				
						Time Sensitive	Temperature (°C) on Recept <i>12.5</i>	Custody Seal Present	Intact	Yes	No
<p>* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BV LABS' STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVLABS.COM/TERMS-AND-CONDITIONS.</p> <p>** SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVLABS.COM/RESOURCES/CHAIN-OF-CUSTODY-FORMS.</p>											

SAMPLES MUST BE KEPT COOL (< 10° C ) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS

White: BV Labs Yellow: Client





Bureau Veritas Laboratories  
6740 Campbell Road, Mississauga, Ontario Canada L5N 2L8 Tel: (905) 817-5700 Toll-free: 800-563-6266 Fax: (905) 817-5777 www.bvlabs.com

CHAIN OF CUSTODY RECORD

Page 2 of 5  
2015

<b>INVOICE TO:</b> Company Name: #16786 Terrapure Environmental Attention: Accounting Address: 65 Green Mountain Rd West Stoney Creek ON L8J 1X5 Tel: (905) 561-0305 Fax: (905) 561-1674 Email: kbailey@terrapureenv.com		<b>REPORT TO:</b> Company Name: Attention: Brad Mullin - GHD Reporting Address: Tel: Email: bmullin@terrapureenv.com; dtaylor2@terrapureenv.com		<b>PROJECT INFORMATION:</b> Quotation #: B60569 P.O. #: Project: GW Project Name: Site #: Sampled By:		<b>Laboratory Use Only:</b> BV Labs Job #:  819873 Bottle Order #:  819873 COC #: C#819873-13-01 Project Manager: Jolanta Goralczyk	
--	--	--	--	---	--	--	--

MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BV LABS DRINKING WATER CHAIN OF CUSTODY					ANALYSIS REQUESTED (PLEASE BE SPECIFIC)										Turnaround Time (TAT) Required: Please provide advance notice for rush projects					
Regulation 153 (2011)		Other Regulations		Special Instructions	Field Filtered (please circle): Metals) Hg / Cr VI	List "A" GW Monitoring	List "B" GW Monitoring	Biochemical Oxygen Demand (BOD)											Regular (Standard) TAT: (will be applied if Rush TAT is not specified): Standard TAT = 5-7 Working days for most tests. Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.	
<input type="checkbox"/> Table 1	<input type="checkbox"/> Res/Park	<input type="checkbox"/> Medium/Fine	<input type="checkbox"/> CCME	<input type="checkbox"/> Sanitary Sewer Bylaw															<input checked="" type="checkbox"/> Regular (Standard) TAT <input type="checkbox"/> Job Specific Rush TAT (if applies to entire submission)	
<input type="checkbox"/> Table 2	<input type="checkbox"/> Ind/Comm	<input type="checkbox"/> Coarse	<input type="checkbox"/> Reg 558	<input type="checkbox"/> Storm Sewer Bylaw											Date Required: _____ Time Required: _____					
<input type="checkbox"/> Table 3	<input type="checkbox"/> Agri/Other	<input type="checkbox"/> For RSC	<input type="checkbox"/> MISA	Municipality _____											Rush Confirmation Number: _____ (call lab for #)					
<input type="checkbox"/> Table _____			<input type="checkbox"/> PWQO	<input type="checkbox"/> Reg 406 Table _____											# of Bottles _____					
Include Criteria on Certificate of Analysis (Y/N)? _____															Comments _____					
1		P5-IR	Apr 21 2015	NA	Y	X												6		
2		P5-IIR			Y	X												6		
3		<del>P5-IR</del> 46-III			Y	X												6		
4		P5-IVR			Y	X												6		
5		<del>P5-IR</del> 46-III			Y	X												6		
6		P7-IR			Y	X												6		
7		P7-II			Y	X												6		
8		P7-III			Y	X												6		
9		P7-IV			Y	X												6		
10		<del>P5-IR</del> 4-IV			Y	X												6		

* RELINQUISHED BY: (Signature/Print) 2015/04/22 Dan Taylor		Date: (YY/MM/DD) 21/04/22	Time 9:00	RECEIVED BY: (Signature/Print) see page 1		Date: (YY/MM/DD)	Time	# jars used and not submitted	Laboratory Use Only				
								Time Sensitive		Temperature (°C) on Recept		Custody Seal	
												Present	
												Intact	
												Yes	
												No	

\* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BV LABS' STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVLABS.COM/TERMS-AND-CONDITIONS.

\* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.

\*\* SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVLABS.COM/RESOURCES/CHAIN-OF-CUSTODY-FORMS.

SAMPLES MUST BE KEPT COOL (< 10° C ) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS

White: BV Labs Yellow: Client







INVOICE TO:		REPORT TO:		PROJECT INFORMATION:		Laboratory Use Only:	
Company Name: #16786 Terrapure Environmental		Company Name: Brad Mullin - GHD Reporting		Quotation #: B60569		BV Labs Job #:	
Attention: Accounting		Attention:		P.O. #:		Bottle Order #:	
Address: 65 Green Mountain Rd West Stoney Creek ON L8J 1X5		Address:		Project: GW		COC #:	
Tel: (905) 561-0305 Fax: (905) 561-1674		Tel:		Project Name:		Project Manager:	
Email: kbailey@terrapureenv.com		Email: bmullin@terrapureenv.com; dtaylor2@terrapureenv.com		Site #:		Jolanta Goralczyk	
				Sampled By:		C#819873-15-01	

MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BV LABS DRINKING WATER CHAIN OF CUSTODY					ANALYSIS REQUESTED (PLEASE BE SPECIFIC)								Turnaround Time (TAT) Required: Please provide advance notice for rush projects							
Regulation 153 (2011)			Other Regulations			Special Instructions			Field Filtered (please circle): Metals, Hg / Cr / V	List "A" GW Monitoring	List "B" GW Monitoring	Biochemical Oxygen Demand (BOD)							Regular (Standard) TAT: (will be applied if Rush TAT is not specified) Standard TAT = 5-7 Working days for most tests. Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.	
<input type="checkbox"/> Table 1	<input type="checkbox"/> Res/Park	<input type="checkbox"/> Medium/Fine	<input type="checkbox"/> CCME	<input type="checkbox"/> Sanitary Sewer Bylaw																
<input type="checkbox"/> Table 2	<input type="checkbox"/> Ind/Comm	<input type="checkbox"/> Coarse	<input type="checkbox"/> Reg 558	<input type="checkbox"/> Storm Sewer Bylaw																
<input type="checkbox"/> Table 3	<input type="checkbox"/> Agri/Other	<input type="checkbox"/> For RSC	<input type="checkbox"/> MISA	Municipality _____																
<input type="checkbox"/> Table _____			<input type="checkbox"/> PWQO	<input type="checkbox"/> Reg 406 Table _____																
Include Criteria on Certificate of Analysis (Y/N)? _____																	Job Specific Rush TAT (if applies to entire submission) Date Required: _____ Time Required: _____ Rush Confirmation Number: _____ (call lab for #)			
Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix													# of Bottles	Comments		
1	47-I	Apr 21 2021	NA	GW	Y	X	X											14		
2	47-IR			GW	Y	X	X											14		
3	47-III			GW	Y	X	X											14		
4	61-I			GW	Y	X												6		
5	61-III			GW	Y	X												6		
6	48-I			GW	Y	X												6		
7	48-II			GW	Y	X												6		
8	48-IV			GW	Y	X												6		
9	48-V			GW	Y	X												6		
10	11-I			GW	Y	X												6		

* RELINQUISHED BY: (Signature/Print) D Taylor / Dan Taylor		Date: (YY/MM/DD) 21/04/22	Time 9:00	RECEIVED BY: (Signature/Print) see page 1		Date: (YY/MM/DD)	Time	# jars used and not submitted	Laboratory Use Only				
								Time Sensitive		Temperature (°C) on Receipt		Custody Seal Present	
												Intact	

\* UNLESS OTHERWISE AGREED TO IN WRITING, SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BV LABS' STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVLABS.COM/TERMS-AND-CONDITIONS.



\* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.

\*\* SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVLABS.COM/RESOURCES/CHAIN-OF-CUSTODY-FORMS.

SAMPLES MUST BE KEPT COOL (< 10°C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS

White: BV Labs Yellow: Client



<b>INVOICE TO:</b>		<b>REPORT TO:</b>		<b>PROJECT INFORMATION:</b>		<b>Laboratory Use Only:</b>	
Company Name: #16786 Terrapure Environmental		Company Name: Brad Mullin - GHD Reporting		Quotation #: B60569		BV Labs Job #:	
Attention: Accounting		Attention: Brad Mullin - GHD Reporting		P.O. #:		Bottle Order #: 	
Address: 65 Green Mountain Rd West		Address:		Project: GW		COC #:	
Stoney Creek ON L8J 1X5				Project Name:		Project Manager:	
Tel: (905) 561-0305 Fax: (905) 561-1674		Tel: Fax:		Site #:			
Email: kbailey@terrapureenv.com		Email: bmullin@terrapureenv.com; dtaylor2@terrapureenv.com		Sampled By:		Jolanta Goralczyk	

MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BV LABS DRINKING WATER CHAIN OF CUSTODY					ANALYSIS REQUESTED (PLEASE BE SPECIFIC)							Turnaround Time (TAT) Required: Please provide advance notice for rush projects.				
Regulation 153 (2011)		Other Regulations		Special Instructions	Field Filtered (please circle): Metals <input checked="" type="checkbox"/> Hg / Cr VI	Lit "A" GW Monitoring	Lit "B" GW Monitoring	Biochemical Oxygen Demand (BOD)							Regular (Standard) TAT: (will be applied if Rush TAT is not specified) <input checked="" type="checkbox"/>	
<input type="checkbox"/> Table 1	<input type="checkbox"/> Res/Park	<input type="checkbox"/> Medium/Fine	<input type="checkbox"/> CCME	<input type="checkbox"/> Sanitary Sewer Bylaw											Standard TAT = 5-7 Working days for most tests.	
<input type="checkbox"/> Table 2	<input type="checkbox"/> Ind/Comm	<input type="checkbox"/> Coarse	<input type="checkbox"/> Reg 558	<input type="checkbox"/> Storm Sewer Bylaw	Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.											
<input type="checkbox"/> Table 3	<input type="checkbox"/> Agril/Other	<input type="checkbox"/> For RSC	<input type="checkbox"/> MISA	Municipality _____	Job Specific Rush TAT (if applies to entire submission)											
<input type="checkbox"/> Table _____			<input type="checkbox"/> PWQO	Reg 405 Table _____	Date Required: _____ Time Required: _____											
Include Criteria on Certificate of Analysis (Y/N)?					Rush Confirmation Number: _____ (call lab for #)											
Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix											# of Bottles	Comments
	11- II	Apr 21 2021	NA	GW	Y	X									6	

* RELINQUISHED BY: (Signature/Print) Dan Taylor	Date: (YY/MM/DD) 21/04/22	Time 9:00	RECEIVED BY: (Signature/Print) see page 1	Date: (YY/MM/DD)	Time	# jars used and not submitted	Laboratory Use Only				
							Time Sensitive	Temperature (°C) on Recept	Custody Seal Present	Yes	No
									Intact		

\* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BV LABS' STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVLABS.COM/TERMS-AND-CONDITIONS.

\* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.

\*\* SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVLABS.COM/RESOURCES/CHAIN-OF-CUSTODY-FORMS.

SAMPLES MUST BE KEPT COOL (< 10° C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS.

White: BV Labs Yellow: Client



Your Project #: GW  
 Your C.O.C. #: 819873-18-01, 819873-19-01

**Attention: Brad Mullin - GHD Reporting**

Terrapure Environmental  
 65 Green Mountain Rd West  
 Stoney Creek, ON  
 CANADA L8J 1X5

**Report Date: 2021/05/03**  
 Report #: R6619796  
 Version: 1 - Final

**CERTIFICATE OF ANALYSIS**

**BV LABS JOB #: C1A9006**

**Received: 2021/04/23, 16:04**

Sample Matrix: Water  
 # Samples Received: 13

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
ABN Compounds in Water by GC/MS	6	2021/04/30	2021/05/03	CAM SOP-00301	EPA 8270 m
Alkalinity	12	N/A	2021/04/26	CAM SOP-00448	SM 23 2320 B m
Alkalinity	1	N/A	2021/04/27	CAM SOP-00448	SM 23 2320 B m
Anions	13	N/A	2021/04/28	CAM SOP-00435	SM 23 4110 B m
Conductivity	12	N/A	2021/04/26	CAM SOP-00414	SM 23 2510 m
Conductivity	1	N/A	2021/04/27	CAM SOP-00414	SM 23 2510 m
Fluoride	12	2021/04/24	2021/04/26	CAM SOP-00449	SM 23 4500-F C m
Fluoride	1	2021/04/26	2021/04/27	CAM SOP-00449	SM 23 4500-F C m
Hardness (calculated as CaCO3)	13	N/A	2021/04/30	CAM SOP 00102/00408/00447	SM 2340 B
Dissolved Metals by ICPMS	13	N/A	2021/04/30	CAM SOP-00447	EPA 6020B m
Total Ammonia-N	13	N/A	2021/04/28	CAM SOP-00441	USGS I-2522-90 m
Nitrate (NO3) and Nitrite (NO2) in Water (1)	13	N/A	2021/04/26	CAM SOP-00440	SM 23 4500-NO3I/NO2B
OC Pesticides (Selected) & PCB (2)	1	2021/04/28	2021/04/28	CAM SOP-00307	EPA 8081A/8082B m
OC Pesticides (Selected) & PCB (2)	3	2021/04/28	2021/04/29	CAM SOP-00307	EPA 8081A/8082B m
OC Pesticides (Selected) & PCB (2)	2	2021/04/28	2021/04/30	CAM SOP-00307	EPA 8081A/8082B m
OC Pesticides Summed Parameters	6	N/A	2021/04/26	CAM SOP-00307	EPA 8081A/8082B m
pH	12	2021/04/24	2021/04/26	CAM SOP-00413	SM 4500H+ B m
pH	1	2021/04/26	2021/04/27	CAM SOP-00413	SM 4500H+ B m
Phenols (4AAP)	2	N/A	2021/04/26	CAM SOP-00444	OMOE E3179 m
Phenols (4AAP)	11	N/A	2021/04/27	CAM SOP-00444	OMOE E3179 m
Orthophosphate	13	N/A	2021/04/26	CAM SOP-00461	EPA 365.1 m
Total Dissolved Solids	13	2021/04/27	2021/04/28	CAM SOP-00428	SM 23 2540C m
Total Kjeldahl Nitrogen in Water	5	2021/04/27	2021/04/29	CAM SOP-00938	OMOE E3516 m
Total Kjeldahl Nitrogen in Water	8	2021/04/27	2021/04/30	CAM SOP-00938	OMOE E3516 m
Total Organic Carbon (TOC) (3)	4	N/A	2021/04/27	CAM SOP-00446	SM 23 5310B m
Total Organic Carbon (TOC) (3)	9	N/A	2021/04/28	CAM SOP-00446	SM 23 5310B m
Volatile Organic Compounds in Water	6	N/A	2021/04/25	CAM SOP-00226	EPA 8260C m
Non-Routine Volatile Organic Compounds	6	N/A	2021/04/29	CAM SOP-00226	EPA 8260 m

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

\* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.



Your Project #: GW  
Your C.O.C. #: 819873-18-01, 819873-19-01

**Attention: Brad Mullin - GHD Reporting**

Terrapure Environmental  
65 Green Mountain Rd West  
Stoney Creek, ON  
CANADA L8J 1X5

**Report Date: 2021/05/03**  
Report #: R6619796  
Version: 1 - Final

**CERTIFICATE OF ANALYSIS**

**BV LABS JOB #: C1A9006**

**Received: 2021/04/23, 16:04**

- (1) Values for calculated parameters may not appear to add up due to rounding of raw data and significant figures.
- (2) Chlordane ( Total) = Alpha Chlordane + Gamma Chlordane
- (3) Total Organic Carbon (TOC) present in the sample should be considered as non-purgeable TOC.

Encryption Key



**AUTHORIZED REPORT  
RAPPORT AUTORISÉ**

Bureau Veritas  
03 May 2021 18:34:02

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

Jolanta Goralczyk, Project Manager  
Email: Jolanta.Goralczyk@bureauveritas.com  
Phone# (905)817-5751

=====  
This report has been generated and distributed using a secure automated process.  
BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



BUREAU  
VERITAS

BV Labs Job #: C1A9006  
Report Date: 2021/05/03

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PKA579			PKA579			PKA580		
Sampling Date		2021/04/22			2021/04/22			2021/04/22		
COC Number		819873-18-01			819873-18-01			819873-18-01		
	UNITS	P4-IV	RDL	QC Batch	P4-IV Lab-Dup	RDL	QC Batch	9-I	RDL	QC Batch

Calculated Parameters										
Hardness (CaCO3)	mg/L	300	1.0	7314865				830	1.0	7314865
Inorganics										
Total Ammonia-N	mg/L	<0.050	0.050	7321505	<0.050	0.050	7321505	<0.050	0.050	7321505
Conductivity	umho/cm	620	1.0	7317416				1800	1.0	7317416
Total Dissolved Solids	mg/L	405	10	7320845				1250	10	7320845
Fluoride (F-)	mg/L	0.63	0.10	7317417				0.91	0.10	7317417
Total Kjeldahl Nitrogen (TKN)	mg/L	0.30	0.10	7321482				0.29	0.10	7321482
Total Organic Carbon (TOC)	mg/L	4.1	0.40	7321480				5.0	0.40	7321480
Orthophosphate (P)	mg/L	0.018	0.010	7317425				<0.010	0.010	7317425
pH	pH	8.12		7317415				8.09		7317415
Phenols-4AAP	mg/L	<0.0010	0.0010	7317996				<0.0010	0.0010	7317996
Alkalinity (Total as CaCO3)	mg/L	220	1.0	7317410				250	1.0	7317410
Nitrite (N)	mg/L	<0.010	0.010	7317403				<0.010	0.010	7317406
Dissolved Chloride (Cl-)	mg/L	12	1.0	7317436				140	5.0	7317436
Nitrate (N)	mg/L	0.21	0.10	7317403				0.88	0.10	7317406
Nitrate + Nitrite (N)	mg/L	0.21	0.10	7317403				0.88	0.10	7317406
Dissolved Bromide (Br-)	mg/L	<1.0	1.0	7317436				<5.0	5.0	7317436
Dissolved Sulphate (SO4)	mg/L	82	1.0	7317436				540	5.0	7317436

RDL = Reportable Detection Limit  
 QC Batch = Quality Control Batch  
 Lab-Dup = Laboratory Initiated Duplicate





BUREAU  
VERITAS

BV Labs Job #: C1A9006  
Report Date: 2021/05/03

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PKA581			PKA582			PKA583		
Sampling Date		2021/04/22			2021/04/22			2021/04/22		
COC Number		819873-18-01			819873-18-01			819873-18-01		
	UNITS	47-IV	RDL	QC Batch	72-I	RDL	QC Batch	72-II	RDL	QC Batch
<b>Calculated Parameters</b>										
Hardness (CaCO3)	mg/L	580	1.0	7314865	43000	1.0	7314865	16000	1.0	7314865
<b>Inorganics</b>										
Total Ammonia-N	mg/L	0.096	0.050	7321505	29	0.050	7321505	20	0.050	7321505
Conductivity	umho/cm	1500	1.0	7317416	>100000	1.0	7317416	55000	1.0	7317416
Total Dissolved Solids	mg/L	940	10	7320845	94500	20	7320845	38100	20	7320845
Fluoride (F-)	mg/L	0.52	0.10	7317417	0.19	0.10	7317417	0.46	0.10	7317417
Total Kjeldahl Nitrogen (TKN)	mg/L	0.37	0.10	7321482	34	1.0	7321482	22	2.0	7321482
Total Organic Carbon (TOC)	mg/L	4.6	0.40	7321480	1.1	0.40	7321480	2.2	0.40	7321942
Orthophosphate (P)	mg/L	0.010	0.010	7317425	0.011	0.010	7317425	<0.010	0.010	7317425
pH	pH	7.84		7317415	6.81		7317415	7.45		7317415
Phenols-4AAP	mg/L	<0.0010	0.0010	7317973	0.012	0.0050	7317984	0.0055	0.0020	7317984
Alkalinity (Total as CaCO3)	mg/L	280	1.0	7317410	88	1.0	7317410	190	1.0	7317410
Nitrite (N)	mg/L	<0.010	0.010	7317406	<0.10	0.10	7317403	<0.10	0.10	7317403
Dissolved Chloride (Cl-)	mg/L	130	1.0	7317436	60000	1000	7317436	24000	500	7317436
Nitrate (N)	mg/L	<0.10	0.10	7317406	<1.0	1.0	7317403	<1.0	1.0	7317403
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	7317406	<1.0	1.0	7317403	<1.0	1.0	7317403
Dissolved Bromide (Br-)	mg/L	<1.0	1.0	7317436	<1000	1000	7317436	<500	500	7317436
Dissolved Sulphate (SO4)	mg/L	270	1.0	7317436	1500	1000	7317436	1600	500	7317436
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										





BUREAU  
VERITAS

BV Labs Job #: C1A9006  
Report Date: 2021/05/03

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PKA584			PKA585			PKA586		
Sampling Date		2021/04/22			2021/04/22			2021/04/22		
COC Number		819873-18-01			819873-18-01			819873-18-01		
	UNITS	72-III	RDL	QC Batch	51-IV	RDL	QC Batch	51-V	RDL	QC Batch
<b>Calculated Parameters</b>										
Hardness (CaCO <sub>3</sub> )	mg/L	5500	1.0	7314865	1900	1.0	7314865	700	1.0	7314865
<b>Inorganics</b>										
Total Ammonia-N	mg/L	11	0.050	7321505	4.3	0.050	7321505	0.13	0.050	7321505
Conductivity	umho/cm	22000	1.0	7317416	4200	1.0	7317416	2000	1.0	7317416
Total Dissolved Solids	mg/L	14700	20	7320845	3280	10	7320845	1240	10	7320845
Fluoride (F <sup>-</sup> )	mg/L	0.71	0.10	7317417	1.2	0.10	7317417	1.1	0.10	7317417
Total Kjeldahl Nitrogen (TKN)	mg/L	11	1.0	7321482	4.9	0.10	7321482	0.44	0.10	7321482
Total Organic Carbon (TOC)	mg/L	1.9	0.40	7321480	1.9	0.40	7321480	4.1	0.40	7321480
Orthophosphate (P)	mg/L	0.018	0.010	7317425	<0.010	0.010	7317425	<0.010	0.010	7317425
pH	pH	7.60		7317415	7.58		7317415	7.94		7317415
Phenols-4AAP	mg/L	0.0026	0.0010	7317996	<0.0010	0.0010	7317984	<0.0010	0.0010	7317984
Alkalinity (Total as CaCO <sub>3</sub> )	mg/L	250	1.0	7317410	300	1.0	7317410	270	1.0	7317410
Nitrite (N)	mg/L	<0.010	0.010	7317406	<0.010	0.010	7317403	<0.010	0.010	7317406
Dissolved Chloride (Cl <sup>-</sup> )	mg/L	6800	100	7317436	400	10	7317436	260	5.0	7317436
Nitrate (N)	mg/L	<0.10	0.10	7317406	<0.10	0.10	7317403	<0.10	0.10	7317406
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	7317406	<0.10	0.10	7317403	<0.10	0.10	7317406
Dissolved Bromide (Br <sup>-</sup> )	mg/L	<100	100	7317436	<10	10	7317436	<5.0	5.0	7317436
Dissolved Sulphate (SO <sub>4</sub> )	mg/L	1800	100	7317436	1900	10	7317436	480	5.0	7317436
RDL = Reportable Detection Limit QC Batch = Quality Control Batch										



BUREAU  
VERITAS

BV Labs Job #: C1A9006  
Report Date: 2021/05/03

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PKA587			PKA588			PKA588		
Sampling Date		2021/04/22			2021/04/22			2021/04/22		
COC Number		819873-18-01			819873-18-01			819873-18-01		
	UNITS	12-I	RDL	QC Batch	P8-I	RDL	QC Batch	P8-I Lab-Dup	RDL	QC Batch

Calculated Parameters										
Hardness (CaCO3)	mg/L	5600	1.0	7314865	2100	1.0	7314865			
Inorganics										
Total Ammonia-N	mg/L	11	0.050	7321505	160 (1)	1.0	7321505			
Conductivity	umho/cm	20000	1.0	7317416	18000	1.0	7317416			
Total Dissolved Solids	mg/L	16100	20	7320845	10300	20	7320845	10300	20	7320845
Fluoride (F-)	mg/L	0.73	0.10	7317417	3.0	0.10	7317417			
Total Kjeldahl Nitrogen (TKN)	mg/L	11	0.50	7321482	150 (1)	5.0	7321482			
Total Organic Carbon (TOC)	mg/L	2.0	0.40	7321480	25	0.40	7321480			
Orthophosphate (P)	mg/L	0.016	0.010	7317425	<0.10 (2)	0.10	7317425	<0.10	0.10	7317425
pH	pH	7.28		7317415	7.39		7317415			
Phenols-4AAP	mg/L	0.0020	0.0020	7317973	0.0059	0.0010	7317996			
Alkalinity (Total as CaCO3)	mg/L	190	1.0	7317410	400	1.0	7317410			
Nitrite (N)	mg/L	<0.010	0.010	7317403	<0.010	0.010	7317403			
Dissolved Chloride (Cl-)	mg/L	6300	100	7317436	4800	50	7317436			
Nitrate (N)	mg/L	<0.10	0.10	7317403	<0.10	0.10	7317403			
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	7317403	<0.10	0.10	7317403			
Dissolved Bromide (Br-)	mg/L	<100	100	7317436	<5.0	5.0	7317436			
Dissolved Sulphate (SO4)	mg/L	1900	100	7317436	2000	5.0	7317436			

RDL = Reportable Detection Limit  
 QC Batch = Quality Control Batch  
 Lab-Dup = Laboratory Initiated Duplicate  
 (1) TKN < NH4: Both values fall within acceptable RPD limits for duplicates and are likely equivalent.  
 (2) Due to the sample matrix, sample required dilution. Detection limit was adjusted accordingly.



BUREAU  
VERITAS

BV Labs Job #: C1A9006  
Report Date: 2021/05/03

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PKA589			PKA589			PKA590		
Sampling Date		2021/04/22			2021/04/22			2021/04/22		
COC Number		819873-19-01			819873-19-01			819873-19-01		
	UNITS	P8-II	RDL	QC Batch	P8-II Lab-Dup	RDL	QC Batch	G27	RDL	QC Batch

Calculated Parameters										
Hardness (CaCO3)	mg/L	1100	1.0	7314865				560	1.0	7314865
Inorganics										
Total Ammonia-N	mg/L	0.14	0.050	7321505				<0.050	0.050	7321505
Conductivity	umho/cm	2600	1.0	7318749				1300	1.0	7317416
Total Dissolved Solids	mg/L	1850	10	7320845				820	10	7320845
Fluoride (F-)	mg/L	1.2	0.10	7318733				0.68	0.10	7317417
Total Kjeldahl Nitrogen (TKN)	mg/L	0.43	0.10	7321482				<0.20 (1)	0.20	7321482
Total Organic Carbon (TOC)	mg/L	3.2	0.40	7321480	3.3	0.40	7321480	3.5	0.40	7321480
Orthophosphate (P)	mg/L	<0.010	0.010	7317425				0.016	0.010	7317425
pH	pH	7.65		7318742				8.14		7317415
Phenols-4AAP	mg/L	<0.0010	0.0010	7317996				<0.0010	0.0010	7317973
Alkalinity (Total as CaCO3)	mg/L	160	1.0	7318744				260	1.0	7317410
Nitrite (N)	mg/L	<0.010	0.010	7317406				<0.010	0.010	7317406
Dissolved Chloride (Cl-)	mg/L	250	5.0	7317436				92	1.0	7317436
Nitrate (N)	mg/L	0.36	0.10	7317406				5.56	0.10	7317406
Nitrate + Nitrite (N)	mg/L	0.36	0.10	7317406				5.56	0.10	7317406
Dissolved Bromide (Br-)	mg/L	<5.0	5.0	7317436				<1.0	1.0	7317436
Dissolved Sulphate (SO4)	mg/L	970	5.0	7317436				230	1.0	7317436

RDL = Reportable Detection Limit  
 QC Batch = Quality Control Batch  
 Lab-Dup = Laboratory Initiated Duplicate  
 (1) Due to a high concentration of NOx, the sample required dilution. The detection limit was adjusted accordingly.



BUREAU  
VERITAS

BV Labs Job #: C1A9006  
Report Date: 2021/05/03

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### RESULTS OF ANALYSES OF WATER

BV Labs ID		PKA591			PKA591		
Sampling Date		2021/04/22			2021/04/22		
COC Number		819873-19-01			819873-19-01		
	UNITS	P5-IIIR	RDL	QC Batch	P5-IIIR Lab-Dup	RDL	QC Batch
<b>Calculated Parameters</b>							
Hardness (CaCO3)	mg/L	360	1.0	7314865			
<b>Inorganics</b>							
Total Ammonia-N	mg/L	64	0.50	7321505			
Conductivity	umho/cm	7000	1.0	7317416			
Total Dissolved Solids	mg/L	2800	20	7320845			
Fluoride (F-)	mg/L	2.1	0.10	7317417			
Total Kjeldahl Nitrogen (TKN)	mg/L	64	5.0	7321482			
Total Organic Carbon (TOC)	mg/L	21	0.40	7321942			
Orthophosphate (P)	mg/L	<0.010	0.010	7317425			
pH	pH	8.51		7317415			
Phenols-4AAP	mg/L	0.32	0.0050	7317996	0.33	0.0050	7317996
Alkalinity (Total as CaCO3)	mg/L	92	1.0	7317410			
Nitrite (N)	mg/L	<0.010	0.010	7317403			
Dissolved Chloride (Cl-)	mg/L	2000	10	7317436			
Nitrate (N)	mg/L	<0.10	0.10	7317403			
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	7317403			
Dissolved Bromide (Br-)	mg/L	<10	10	7317436			
Dissolved Sulphate (SO4)	mg/L	340	10	7317436			
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate							



BUREAU  
VERITAS

BV Labs Job #: C1A9006  
Report Date: 2021/05/03

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

BV Labs ID		PKA579	PKA580	PKA581		PKA582	PKA582		
Sampling Date		2021/04/22	2021/04/22	2021/04/22		2021/04/22	2021/04/22		
COC Number		819873-18-01	819873-18-01	819873-18-01		819873-18-01	819873-18-01		
	UNITS	P4-IV	9-I	47-IV	RDL	72-I	72-I Lab-Dup	RDL	QC Batch
<b>Metals</b>									
Dissolved Aluminum (Al)	ug/L	<4.9	<4.9	5.5	4.9	<49	<49	49	7320636
Dissolved Antimony (Sb)	ug/L	<0.50	<0.50	<0.50	0.50	<5.0	<5.0	5.0	7320636
Dissolved Arsenic (As)	ug/L	<1.0	<1.0	<1.0	1.0	<10	<10	10	7320636
Dissolved Barium (Ba)	ug/L	21	45	60	2.0	120	110	20	7320636
Dissolved Beryllium (Be)	ug/L	<0.40	<0.40	<0.40	0.40	<4.0	<4.0	4.0	7320636
Dissolved Bismuth (Bi)	ug/L	<1.0	<1.0	<1.0	1.0	<10	<10	10	7320636
Dissolved Boron (B)	ug/L	88	110	120	10	4500	4500	100	7320636
Dissolved Cadmium (Cd)	ug/L	0.51	1.8	0.69	0.090	<0.90	<0.90	0.90	7320636
Dissolved Calcium (Ca)	ug/L	77000	240000	160000	200	12000000	12000000	10000	7320636
Dissolved Chromium (Cr)	ug/L	<5.0	<5.0	<5.0	5.0	<50	<50	50	7320636
Dissolved Cobalt (Co)	ug/L	<0.50	<0.50	<0.50	0.50	<5.0	<5.0	5.0	7320636
Dissolved Copper (Cu)	ug/L	3.8	3.3	1.4	0.90	<9.0	<9.0	9.0	7320636
Dissolved Iron (Fe)	ug/L	<100	<100	<100	100	<1000	<1000	1000	7320636
Dissolved Lead (Pb)	ug/L	<0.50	1.2	<0.50	0.50	<5.0	<5.0	5.0	7320636
Dissolved Lithium (Li)	ug/L	<5.0	8.7	5.6	5.0	19000	20000	250	7320636
Dissolved Magnesium (Mg)	ug/L	26000	54000	46000	50	3200000	3300000	500	7320636
Dissolved Manganese (Mn)	ug/L	2.7	24	110	2.0	1700	1800	20	7320636
Dissolved Molybdenum (Mo)	ug/L	4.7	3.5	2.8	0.50	<5.0	<5.0	5.0	7320636
Dissolved Nickel (Ni)	ug/L	2.0	10	2.0	1.0	<10	<10	10	7320636
Dissolved Phosphorus (P)	ug/L	<100	<100	<100	100	<1000	<1000	1000	7320636
Dissolved Potassium (K)	ug/L	7700	5700	3300	200	280000	280000	2000	7320636
Dissolved Selenium (Se)	ug/L	<2.0	<2.0	<2.0	2.0	<20	<20	20	7320636
Dissolved Silicon (Si)	ug/L	5100	4200	4800	50	5900	6100	500	7320636
Dissolved Silver (Ag)	ug/L	<0.090	<0.090	<0.090	0.090	<0.90	<0.90	0.90	7320636
Dissolved Sodium (Na)	ug/L	26000	92000	95000	100	18000000	18000000	5000	7320636
Dissolved Strontium (Sr)	ug/L	490	3100	2300	1.0	220000	230000	10	7320636
Dissolved Tellurium (Te)	ug/L	<1.0	<1.0	<1.0	1.0	<10	<10	10	7320636
Dissolved Thallium (Tl)	ug/L	0.12	0.26	<0.050	0.050	<0.50	<0.50	0.50	7320636
Dissolved Tin (Sn)	ug/L	<1.0	<1.0	<1.0	1.0	<10	<10	10	7320636
Dissolved Titanium (Ti)	ug/L	<5.0	<5.0	<5.0	5.0	<50	<50	50	7320636
Dissolved Tungsten (W)	ug/L	<1.0	<1.0	<1.0	1.0	<10	<10	10	7320636
Dissolved Uranium (U)	ug/L	2.2	5.2	2.7	0.10	<1.0	<1.0	1.0	7320636
Dissolved Vanadium (V)	ug/L	<0.50	<0.50	<0.50	0.50	<5.0	<5.0	5.0	7320636
Dissolved Zinc (Zn)	ug/L	130	1000	160	5.0	<50	<50	50	7320636
Dissolved Zirconium (Zr)	ug/L	<1.0	<1.0	<1.0	1.0	<10	<10	10	7320636
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate									



BUREAU  
VERITAS

BV Labs Job #: C1A9006  
Report Date: 2021/05/03

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

BV Labs ID		PKA583		PKA584		PKA585		PKA586		
Sampling Date		2021/04/22		2021/04/22		2021/04/22		2021/04/22		
COC Number		819873-18-01		819873-18-01		819873-18-01		819873-18-01		
	UNITS	72-II	RDL	72-III	RDL	51-IV	RDL	51-V	RDL	QC Batch
<b>Metals</b>										
Dissolved Aluminum (Al)	ug/L	<49	49	<25	25	<4.9	4.9	5.0	4.9	7320636
Dissolved Antimony (Sb)	ug/L	<5.0	5.0	<2.5	2.5	<0.50	0.50	<0.50	0.50	7320636
Dissolved Arsenic (As)	ug/L	<10	10	<5.0	5.0	<1.0	1.0	<1.0	1.0	7320636
Dissolved Barium (Ba)	ug/L	41	20	21	10	8.5	2.0	32	2.0	7320636
Dissolved Beryllium (Be)	ug/L	<4.0	4.0	<2.0	2.0	<0.40	0.40	<0.40	0.40	7320636
Dissolved Bismuth (Bi)	ug/L	<10	10	<5.0	5.0	<1.0	1.0	<1.0	1.0	7320636
Dissolved Boron (B)	ug/L	6100	100	6500	50	1100	10	170	10	7320636
Dissolved Cadmium (Cd)	ug/L	<0.90	0.90	<0.45	0.45	<0.090	0.090	<0.090	0.090	7320636
Dissolved Calcium (Ca)	ug/L	4600000	4000	1500000	2000	560000	1000	160000	200	7320636
Dissolved Chromium (Cr)	ug/L	<50	50	<25	25	<5.0	5.0	<5.0	5.0	7320636
Dissolved Cobalt (Co)	ug/L	<5.0	5.0	<2.5	2.5	<0.50	0.50	0.90	0.50	7320636
Dissolved Copper (Cu)	ug/L	<9.0	9.0	<4.5	4.5	<0.90	0.90	1.9	0.90	7320636
Dissolved Iron (Fe)	ug/L	<1000	1000	<500	500	<100	100	300	100	7320636
Dissolved Lead (Pb)	ug/L	<5.0	5.0	<2.5	2.5	<0.50	0.50	<0.50	0.50	7320636
Dissolved Lithium (Li)	ug/L	9100	250	3700	50	180	5.0	18	5.0	7320636
Dissolved Magnesium (Mg)	ug/L	1200000	500	420000	250	110000	50	73000	50	7320636
Dissolved Manganese (Mn)	ug/L	520	20	250	10	44	2.0	77	2.0	7320636
Dissolved Molybdenum (Mo)	ug/L	<5.0	5.0	<2.5	2.5	<0.50	0.50	6.7	0.50	7320636
Dissolved Nickel (Ni)	ug/L	<10	10	<5.0	5.0	<1.0	1.0	5.9	1.0	7320636
Dissolved Phosphorus (P)	ug/L	<1000	1000	<500	500	<100	100	<100	100	7320636
Dissolved Potassium (K)	ug/L	160000	2000	77000	1000	29000	200	4000	200	7320636
Dissolved Selenium (Se)	ug/L	<20	20	<10	10	<2.0	2.0	<2.0	2.0	7320636
Dissolved Silicon (Si)	ug/L	4200	500	5900	250	5000	50	4800	50	7320636
Dissolved Silver (Ag)	ug/L	<0.90	0.90	<0.45	0.45	<0.090	0.090	<0.090	0.090	7320636
Dissolved Sodium (Na)	ug/L	7600000	5000	3000000	500	300000	100	170000	100	7320636
Dissolved Strontium (Sr)	ug/L	82000	10	26000	5.0	6200	1.0	2000	1.0	7320636
Dissolved Tellurium (Te)	ug/L	<10	10	<5.0	5.0	<1.0	1.0	<1.0	1.0	7320636
Dissolved Thallium (Tl)	ug/L	<0.50	0.50	<0.25	0.25	<0.050	0.050	0.14	0.050	7320636
Dissolved Tin (Sn)	ug/L	<10	10	<5.0	5.0	<1.0	1.0	<1.0	1.0	7320636
Dissolved Titanium (Ti)	ug/L	<50	50	<25	25	<5.0	5.0	<5.0	5.0	7320636
Dissolved Tungsten (W)	ug/L	<10	10	<5.0	5.0	<1.0	1.0	<1.0	1.0	7320636
Dissolved Uranium (U)	ug/L	<1.0	1.0	<0.50	0.50	0.22	0.10	7.3	0.10	7320636
Dissolved Vanadium (V)	ug/L	<5.0	5.0	<2.5	2.5	<0.50	0.50	<0.50	0.50	7320636
Dissolved Zinc (Zn)	ug/L	<50	50	<25	25	<5.0	5.0	210	5.0	7320636
Dissolved Zirconium (Zr)	ug/L	<10	10	<5.0	5.0	<1.0	1.0	<1.0	1.0	7320636
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										



BUREAU  
VERITAS

BV Labs Job #: C1A9006  
Report Date: 2021/05/03

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

BV Labs ID		PKA587		PKA588		PKA589	PKA590		PKA591		
Sampling Date		2021/04/22		2021/04/22		2021/04/22	2021/04/22		2021/04/22		
COC Number		819873-18-01		819873-18-01		819873-19-01	819873-19-01		819873-19-01		
	UNITS	12-I	RDL	P8-I	RDL	P8-II	G27	RDL	P5-IIIR	RDL	QC Batch
<b>Metals</b>											
Dissolved Aluminum (Al)	ug/L	<25	25	29	25	12	290	4.9	<4.9	4.9	7320636
Dissolved Antimony (Sb)	ug/L	<2.5	2.5	<2.5	2.5	<0.50	<0.50	0.50	<0.50	0.50	7320636
Dissolved Arsenic (As)	ug/L	<5.0	5.0	<5.0	5.0	<1.0	<1.0	1.0	1.3	1.0	7320636
Dissolved Barium (Ba)	ug/L	21	10	48	10	37	28	2.0	14	2.0	7320636
Dissolved Beryllium (Be)	ug/L	<2.0	2.0	<2.0	2.0	<0.40	<0.40	0.40	<0.40	0.40	7320636
Dissolved Bismuth (Bi)	ug/L	<5.0	5.0	<5.0	5.0	<1.0	<1.0	1.0	<1.0	1.0	7320636
Dissolved Boron (B)	ug/L	6500	50	1900	50	110	31	10	390	10	7320636
Dissolved Cadmium (Cd)	ug/L	<0.45	0.45	<0.45	0.45	<0.090	0.097	0.090	<0.090	0.090	7320636
Dissolved Calcium (Ca)	ug/L	1500000	2000	650000	1000	290000	120000	200	78000	200	7320636
Dissolved Chromium (Cr)	ug/L	<25	25	<25	25	<5.0	<5.0	5.0	<5.0	5.0	7320636
Dissolved Cobalt (Co)	ug/L	<2.5	2.5	<2.5	2.5	1.0	<0.50	0.50	<0.50	0.50	7320636
Dissolved Copper (Cu)	ug/L	<4.5	4.5	<4.5	4.5	<0.90	4.5	0.90	<0.90	0.90	7320636
Dissolved Iron (Fe)	ug/L	<500	500	12000	500	<100	410	100	<100	100	7320636
Dissolved Lead (Pb)	ug/L	<2.5	2.5	<2.5	2.5	<0.50	0.95	0.50	<0.50	0.50	7320636
Dissolved Lithium (Li)	ug/L	3800	50	230	25	26	17	5.0	32	5.0	7320636
Dissolved Magnesium (Mg)	ug/L	420000	250	120000	250	85000	61000	50	40000	50	7320636
Dissolved Manganese (Mn)	ug/L	240	10	1000	10	100	22	2.0	5.6	2.0	7320636
Dissolved Molybdenum (Mo)	ug/L	<2.5	2.5	<2.5	2.5	11	1.9	0.50	14	0.50	7320636
Dissolved Nickel (Ni)	ug/L	<5.0	5.0	<5.0	5.0	16	3.0	1.0	7.2	1.0	7320636
Dissolved Phosphorus (P)	ug/L	<500	500	<500	500	<100	<100	100	<100	100	7320636
Dissolved Potassium (K)	ug/L	78000	1000	140000	1000	5100	1700	200	62000	200	7320636
Dissolved Selenium (Se)	ug/L	<10	10	<10	10	<2.0	<2.0	2.0	<2.0	2.0	7320636
Dissolved Silicon (Si)	ug/L	5800	250	24000	250	3700	4900	50	4100	50	7320636
Dissolved Silver (Ag)	ug/L	<0.45	0.45	<0.45	0.45	<0.090	<0.090	0.090	<0.090	0.090	7320636
Dissolved Sodium (Na)	ug/L	3000000	1000	3000000	1000	160000	57000	100	1000000	500	7320636
Dissolved Strontium (Sr)	ug/L	26000	5.0	5100	5.0	2700	960	1.0	2200	1.0	7320636
Dissolved Tellurium (Te)	ug/L	<5.0	5.0	<5.0	5.0	<1.0	<1.0	1.0	<1.0	1.0	7320636
Dissolved Thallium (Tl)	ug/L	<0.25	0.25	<0.25	0.25	0.32	0.073	0.050	<0.050	0.050	7320636
Dissolved Tin (Sn)	ug/L	<5.0	5.0	<5.0	5.0	<1.0	<1.0	1.0	<1.0	1.0	7320636
Dissolved Titanium (Ti)	ug/L	<25	25	<25	25	<5.0	6.8	5.0	<5.0	5.0	7320636
Dissolved Tungsten (W)	ug/L	<5.0	5.0	<5.0	5.0	<1.0	<1.0	1.0	9.9	1.0	7320636
Dissolved Uranium (U)	ug/L	<0.50	0.50	<0.50	0.50	9.3	5.7	0.10	<0.10	0.10	7320636
Dissolved Vanadium (V)	ug/L	<2.5	2.5	<2.5	2.5	0.59	0.82	0.50	<0.50	0.50	7320636
Dissolved Zinc (Zn)	ug/L	<25	25	<25	25	580	37	5.0	<5.0	5.0	7320636
Dissolved Zirconium (Zr)	ug/L	<5.0	5.0	<5.0	5.0	<1.0	<1.0	1.0	<1.0	1.0	7320636
RDL = Reportable Detection Limit											
QC Batch = Quality Control Batch											



BUREAU  
VERITAS

BV Labs Job #: C1A9006  
Report Date: 2021/05/03

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

**SEMI-VOLATILE ORGANICS BY GC-MS (WATER)**

BV Labs ID		PKA581	PKA582		PKA583		PKA584		
Sampling Date		2021/04/22	2021/04/22		2021/04/22		2021/04/22		
COC Number		819873-18-01	819873-18-01		819873-18-01		819873-18-01		
	UNITS	47-IV	72-I	RDL	72-II	RDL	72-III	RDL	QC Batch
<b>Semivolatile Organics</b>									
Acenaphthene	ug/L	<0.20	<0.20	0.20	<0.20	0.20	<0.20	0.20	7327273
Acenaphthylene	ug/L	<0.20	<0.20	0.20	<0.20	0.20	<0.20	0.20	7327273
Anthracene	ug/L	<0.20	<0.20	0.20	<0.20	0.20	<0.20	0.20	7327273
Benzo(a)anthracene	ug/L	<0.20	<0.20	0.20	<0.20	0.20	<0.20	0.20	7327273
Benzo(a)pyrene	ug/L	<0.20	<0.20	0.20	<0.20	0.20	<0.20	0.20	7327273
Benzo(b/j)fluoranthene	ug/L	<0.20	<0.20	0.20	<0.20	0.20	<0.20	0.20	7327273
Benzo(g,h,i)perylene	ug/L	<0.20	<0.20	0.20	<0.20	0.20	<0.20	0.20	7327273
Benzo(k)fluoranthene	ug/L	<0.20	<0.20	0.20	<0.20	0.20	<0.20	0.20	7327273
1-Chloronaphthalene	ug/L	<1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	7327273
2-Chloronaphthalene	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7327273
Chrysene	ug/L	<0.20	<0.20	0.20	<0.20	0.20	<0.20	0.20	7327273
Dibenzo(a,h)anthracene	ug/L	<0.20	<0.20	0.20	<0.20	0.20	<0.20	0.20	7327273
Fluoranthene	ug/L	<0.20	<0.20	0.20	<0.20	0.20	<0.20	0.20	7327273
Fluorene	ug/L	<0.20	<0.20	0.20	<0.20	0.20	<0.20	0.20	7327273
Indeno(1,2,3-cd)pyrene	ug/L	<0.20	<0.20	0.20	<0.20	0.20	<0.20	0.20	7327273
1-Methylnaphthalene	ug/L	<0.20	<0.20	0.20	0.65	0.20	<0.20	0.20	7327273
2-Methylnaphthalene	ug/L	<0.20	<0.20	0.20	0.24	0.20	<0.20	0.20	7327273
Naphthalene	ug/L	<0.20	<0.20	0.20	0.50	0.20	<0.20	0.20	7327273
5-Nitroacenaphthene	ug/L	<1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	7327273
Perylene	ug/L	<0.20	<0.20	0.20	<0.20	0.20	<0.20	0.20	7327273
Phenanthrene	ug/L	<0.20	<0.20	0.20	<0.20	0.20	<0.20	0.20	7327273
Pyrene	ug/L	<0.20	<0.20	0.20	<0.20	0.20	<0.20	0.20	7327273
1,2-Dichlorobenzene	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7327273
1,3-Dichlorobenzene	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7327273
1,4-Dichlorobenzene	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7327273
Hexachlorobenzene	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7327273
Pentachlorobenzene	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7327273
1,2,3,5-Tetrachlorobenzene	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7327273
1,2,4,5-Tetrachlorobenzene	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7327273
1,2,3-Trichlorobenzene	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7327273
1,2,4-Trichlorobenzene	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7327273
1,3,5-Trichlorobenzene	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7327273
2-Chlorophenol	ug/L	<0.30	<0.30	0.30	<0.30	0.30	<0.30	0.30	7327273
4-Chloro-3-Methylphenol	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7327273
m/p-Cresol	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7327273
o-Cresol	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7327273
RDL = Reportable Detection Limit QC Batch = Quality Control Batch									





BUREAU  
VERITAS

BV Labs Job #: C1A9006  
Report Date: 2021/05/03

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

**SEMI-VOLATILE ORGANICS BY GC-MS (WATER)**

BV Labs ID		PKA581	PKA582		PKA583		PKA584		
Sampling Date		2021/04/22	2021/04/22		2021/04/22		2021/04/22		
COC Number		819873-18-01	819873-18-01		819873-18-01		819873-18-01		
	UNITS	47-IV	72-I	RDL	72-II	RDL	72-III	RDL	QC Batch
1,2,3,4-Tetrachlorobenzene	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7327273
2,3-Dichlorophenol	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7327273
2,4-Dichlorophenol	ug/L	<0.30	<0.30	0.30	<0.30	0.30	<0.30	0.30	7327273
2,5-Dichlorophenol	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7327273
2,6-Dichlorophenol	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7327273
3,4-Dichlorophenol	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7327273
3,5-Dichlorophenol	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7327273
2,4-Dimethylphenol	ug/L	<0.50	<0.50	0.50	<0.70 (1)	0.70	<0.50	0.50	7327273
2,4-Dinitrophenol	ug/L	<2.0	<2.0	2.0	<2.0	2.0	<2.0	2.0	7327273
4,6-Dinitro-2-methylphenol	ug/L	<2.0	<2.0	2.0	<2.0	2.0	<2.0	2.0	7327273
2-Nitrophenol	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7327273
4-Nitrophenol	ug/L	<1.4	<1.4	1.4	<1.4	1.4	<1.4	1.4	7327273
Pentachlorophenol	ug/L	<1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	7327273
Phenol	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7327273
2,3,4,5-Tetrachlorophenol	ug/L	<0.40	<0.40	0.40	<0.40	0.40	<0.40	0.40	7327273
2,3,4,6-Tetrachlorophenol	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7327273
2,3,5,6-Tetrachlorophenol	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7327273
2,3,4-Trichlorophenol	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7327273
2,3,5-Trichlorophenol	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7327273
2,3,6-Trichlorophenol	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7327273
2,4,5-Trichlorophenol	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7327273
2,4,6-Trichlorophenol	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7327273
3,4,5-Trichlorophenol	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7327273
Benzyl butyl phthalate	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7327273
Biphenyl	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7327273
Bis(2-chloroethyl)ether	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7327273
Bis(2-chloroethoxy)methane	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7327273
Bis(2-chloroisopropyl)ether	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7327273
Bis(2-ethylhexyl)phthalate	ug/L	2.4	<2.0	2.0	<2.0	2.0	3.7	2.0	7327273
4-Bromophenyl phenyl ether	ug/L	<0.30	<0.30	0.30	<0.30	0.30	<0.30	0.30	7327273
p-Chloroaniline	ug/L	<1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	7327273
4-Chlorophenyl phenyl ether	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7327273
Di-N-butyl phthalate	ug/L	<2.0	<2.0	2.0	<2.0	2.0	<2.0	2.0	7327273
di-n-octyl phthalate	ug/L	<0.80	<0.80	0.80	<0.80	0.80	<3.0 (1)	3.0	7327273
2,4-Dinitrotoluene	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7327273
Diethyl phthalate	ug/L	<1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	7327273

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

(1) Detection limit was raised due to matrix interference.



**SEMI-VOLATILE ORGANICS BY GC-MS (WATER)**

BV Labs ID		PKA581	PKA582		PKA583		PKA584		
Sampling Date		2021/04/22	2021/04/22		2021/04/22		2021/04/22		
COC Number		819873-18-01	819873-18-01		819873-18-01		819873-18-01		
	UNITS	47-IV	72-I	RDL	72-II	RDL	72-III	RDL	QC Batch
3,3'-Dichlorobenzidine	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7327273
Dimethyl phthalate	ug/L	<1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	7327273
2,6-Dinitrotoluene	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7327273
Diphenyl Ether	ug/L	<0.30	<0.30	0.30	<0.30	0.30	<0.30	0.30	7327273
Hexachlorobutadiene	ug/L	<0.40	<0.40	0.40	<0.40	0.40	<0.40	0.40	7327273
Hexachlorocyclopentadiene	ug/L	<2.0	<2.0	2.0	<2.0	2.0	<2.0	2.0	7327273
Hexachloroethane	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7327273
Isophorone	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7327273
Nitrobenzene	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7327273
Nitrosodiphenylamine/Diphenylamine	ug/L	<1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	7327273
N-Nitroso-di-n-propylamine	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	7327273
<b>Surrogate Recovery (%)</b>									
2,4,6-Tribromophenol	%	36	78		82		81		7327273
2-Fluorobiphenyl	%	64	68		66		79		7327273
2-Fluorophenol	%	9.2 (1)	51		38		23		7327273
D14-Terphenyl	%	91	88		95		92		7327273
D5-Nitrobenzene	%	65	97		78		76		7327273
D5-Phenol	%	11	46		29		18		7327273
RDL = Reportable Detection Limit QC Batch = Quality Control Batch (1) Surrogate recovery was below the lower control limit. This may represent a low bias in some results.									



BUREAU  
VERITAS

BV Labs Job #: C1A9006  
Report Date: 2021/05/03

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### SEMI-VOLATILE ORGANICS BY GC-MS (WATER)

BV Labs ID		PKA585	PKA586		
Sampling Date		2021/04/22	2021/04/22		
COC Number		819873-18-01	819873-18-01		
	UNITS	51-IV	51-V	RDL	QC Batch
<b>Semivolatile Organics</b>					
Acenaphthene	ug/L	<0.20	<0.20	0.20	7327273
Acenaphthylene	ug/L	<0.20	<0.20	0.20	7327273
Anthracene	ug/L	<0.20	<0.20	0.20	7327273
Benzo(a)anthracene	ug/L	<0.20	<0.20	0.20	7327273
Benzo(a)pyrene	ug/L	<0.20	<0.20	0.20	7327273
Benzo(b/j)fluoranthene	ug/L	<0.20	<0.20	0.20	7327273
Benzo(g,h,i)perylene	ug/L	<0.20	<0.20	0.20	7327273
Benzo(k)fluoranthene	ug/L	<0.20	<0.20	0.20	7327273
1-Chloronaphthalene	ug/L	<1.0	<1.0	1.0	7327273
2-Chloronaphthalene	ug/L	<0.50	<0.50	0.50	7327273
Chrysene	ug/L	<0.20	<0.20	0.20	7327273
Dibenzo(a,h)anthracene	ug/L	<0.20	<0.20	0.20	7327273
Fluoranthene	ug/L	<0.20	<0.20	0.20	7327273
Fluorene	ug/L	<0.20	<0.20	0.20	7327273
Indeno(1,2,3-cd)pyrene	ug/L	<0.20	<0.20	0.20	7327273
1-Methylnaphthalene	ug/L	<0.20	<0.20	0.20	7327273
2-Methylnaphthalene	ug/L	<0.20	<0.20	0.20	7327273
Naphthalene	ug/L	<0.20	<0.20	0.20	7327273
5-Nitroacenaphthene	ug/L	<1.0	<1.0	1.0	7327273
Perylene	ug/L	<0.20	<0.20	0.20	7327273
Phenanthrene	ug/L	<0.20	<0.20	0.20	7327273
Pyrene	ug/L	<0.20	<0.20	0.20	7327273
1,2-Dichlorobenzene	ug/L	<0.50	<0.50	0.50	7327273
1,3-Dichlorobenzene	ug/L	<0.50	<0.50	0.50	7327273
1,4-Dichlorobenzene	ug/L	<0.50	<0.50	0.50	7327273
Hexachlorobenzene	ug/L	<0.50	<0.50	0.50	7327273
Pentachlorobenzene	ug/L	<0.50	<0.50	0.50	7327273
1,2,3,5-Tetrachlorobenzene	ug/L	<0.50	<0.50	0.50	7327273
1,2,4,5-Tetrachlorobenzene	ug/L	<0.50	<0.50	0.50	7327273
1,2,3-Trichlorobenzene	ug/L	<0.50	<0.50	0.50	7327273
1,2,4-Trichlorobenzene	ug/L	<0.50	<0.50	0.50	7327273
1,3,5-Trichlorobenzene	ug/L	<0.50	<0.50	0.50	7327273
2-Chlorophenol	ug/L	<0.30	<0.30	0.30	7327273
4-Chloro-3-Methylphenol	ug/L	<0.50	<0.50	0.50	7327273
m/p-Cresol	ug/L	<0.50	<0.50	0.50	7327273
o-Cresol	ug/L	<0.50	<0.50	0.50	7327273
RDL = Reportable Detection Limit QC Batch = Quality Control Batch					



BUREAU  
VERITAS

BV Labs Job #: C1A9006

Report Date: 2021/05/03

Terrapure Environmental

Client Project #: GW

Sampler Initials: DT

### SEMI-VOLATILE ORGANICS BY GC-MS (WATER)

BV Labs ID		PKA585	PKA586		
Sampling Date		2021/04/22	2021/04/22		
COC Number		819873-18-01	819873-18-01		
	UNITS	51-IV	51-V	RDL	QC Batch
1,2,3,4-Tetrachlorobenzene	ug/L	<0.50	<0.50	0.50	7327273
2,3-Dichlorophenol	ug/L	<0.50	<0.50	0.50	7327273
2,4-Dichlorophenol	ug/L	<0.30	<0.30	0.30	7327273
2,5-Dichlorophenol	ug/L	<0.50	<0.50	0.50	7327273
2,6-Dichlorophenol	ug/L	<0.50	<0.50	0.50	7327273
3,4-Dichlorophenol	ug/L	<0.50	<0.50	0.50	7327273
3,5-Dichlorophenol	ug/L	<0.50	<0.50	0.50	7327273
2,4-Dimethylphenol	ug/L	<0.50	<0.50	0.50	7327273
2,4-Dinitrophenol	ug/L	<2.0	<2.0	2.0	7327273
4,6-Dinitro-2-methylphenol	ug/L	<2.0	<2.0	2.0	7327273
2-Nitrophenol	ug/L	<0.50	<0.50	0.50	7327273
4-Nitrophenol	ug/L	<1.4	<1.4	1.4	7327273
Pentachlorophenol	ug/L	<1.0	<1.0	1.0	7327273
Phenol	ug/L	<0.50	<0.50	0.50	7327273
2,3,4,5-Tetrachlorophenol	ug/L	<0.40	<0.40	0.40	7327273
2,3,4,6-Tetrachlorophenol	ug/L	<0.50	<0.50	0.50	7327273
2,3,5,6-Tetrachlorophenol	ug/L	<0.50	<0.50	0.50	7327273
2,3,4-Trichlorophenol	ug/L	<0.50	<0.50	0.50	7327273
2,3,5-Trichlorophenol	ug/L	<0.50	<0.50	0.50	7327273
2,3,6-Trichlorophenol	ug/L	<0.50	<0.50	0.50	7327273
2,4,5-Trichlorophenol	ug/L	<0.50	<0.50	0.50	7327273
2,4,6-Trichlorophenol	ug/L	<0.50	<0.50	0.50	7327273
3,4,5-Trichlorophenol	ug/L	<0.50	<0.50	0.50	7327273
Benzyl butyl phthalate	ug/L	<0.50	<0.50	0.50	7327273
Biphenyl	ug/L	<0.50	<0.50	0.50	7327273
Bis(2-chloroethyl)ether	ug/L	<0.50	<0.50	0.50	7327273
Bis(2-chloroethoxy)methane	ug/L	<0.50	<0.50	0.50	7327273
Bis(2-chloroisopropyl)ether	ug/L	<0.50	<0.50	0.50	7327273
Bis(2-ethylhexyl)phthalate	ug/L	<2.0	<2.0	2.0	7327273
4-Bromophenyl phenyl ether	ug/L	<0.30	<0.30	0.30	7327273
p-Chloroaniline	ug/L	<1.0	<1.0	1.0	7327273
4-Chlorophenyl phenyl ether	ug/L	<0.50	<0.50	0.50	7327273
Di-N-butyl phthalate	ug/L	<2.0	<2.0	2.0	7327273
di-n-octyl phthalate	ug/L	<0.80	<0.80	0.80	7327273
2,4-Dinitrotoluene	ug/L	<0.50	<0.50	0.50	7327273
Diethyl phthalate	ug/L	<1.0	<1.0	1.0	7327273
3,3'-Dichlorobenzidine	ug/L	<0.50	<0.50	0.50	7327273
RDL = Reportable Detection Limit					
QC Batch = Quality Control Batch					



BUREAU  
VERITAS

BV Labs Job #: C1A9006  
Report Date: 2021/05/03

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

**SEMI-VOLATILE ORGANICS BY GC-MS (WATER)**

BV Labs ID		PKA585	PKA586		
Sampling Date		2021/04/22	2021/04/22		
COC Number		819873-18-01	819873-18-01		
	UNITS	51-IV	51-V	RDL	QC Batch
Dimethyl phthalate	ug/L	<1.0	<1.0	1.0	7327273
2,6-Dinitrotoluene	ug/L	<0.50	<0.50	0.50	7327273
Diphenyl Ether	ug/L	<0.30	<0.30	0.30	7327273
Hexachlorobutadiene	ug/L	<0.40	<0.40	0.40	7327273
Hexachlorocyclopentadiene	ug/L	<2.0	<2.0	2.0	7327273
Hexachloroethane	ug/L	<0.50	<0.50	0.50	7327273
Isophorone	ug/L	<0.50	<0.50	0.50	7327273
Nitrobenzene	ug/L	<0.50	<0.50	0.50	7327273
Nitrosodiphenylamine/Diphenylamine	ug/L	<1.0	<1.0	1.0	7327273
N-Nitroso-di-n-propylamine	ug/L	<0.50	<0.50	0.50	7327273
<b>Surrogate Recovery (%)</b>					
2,4,6-Tribromophenol	%	73	62		7327273
2-Fluorobiphenyl	%	63	56		7327273
2-Fluorophenol	%	32	19		7327273
D14-Terphenyl	%	98	77		7327273
D5-Nitrobenzene	%	73	60		7327273
D5-Phenol	%	20	14		7327273
RDL = Reportable Detection Limit QC Batch = Quality Control Batch					



BUREAU  
VERITAS

BV Labs Job #: C1A9006  
Report Date: 2021/05/03

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### VOLATILE ORGANICS BY GC/MS (WATER)

BV Labs ID		PKA581		PKA582			PKA582		
Sampling Date		2021/04/22		2021/04/22			2021/04/22		
COC Number		819873-18-01		819873-18-01			819873-18-01		
	UNITS	47-IV	RDL	72-I	RDL	QC Batch	72-I Lab-Dup	RDL	QC Batch
<b>Volatile Organics</b>									
Acetone (2-Propanone)	ug/L	<10	10	<25	25	7317182	<25	25	7317182
Benzene	ug/L	<0.10	0.10	<0.25	0.25	7317182	<0.25	0.25	7317182
Bromodichloromethane	ug/L	<0.10	0.10	<0.25	0.25	7317182	<0.25	0.25	7317182
Acrolein	ug/L	<10	10	<25	25	7317186			
Bromoform	ug/L	<0.20	0.20	<0.50	0.50	7317182	<0.50	0.50	7317182
Bromomethane	ug/L	<0.50	0.50	<1.3	1.3	7317182	<1.3	1.3	7317182
Carbon Tetrachloride	ug/L	<0.10	0.10	<0.25	0.25	7317182	<0.25	0.25	7317182
Chlorobenzene	ug/L	<0.10	0.10	<0.25	0.25	7317182	<0.25	0.25	7317182
Chloroethane	ug/L	<0.20	0.20	<0.50	0.50	7317182	<0.50	0.50	7317182
Chloroform	ug/L	<0.10	0.10	<0.25	0.25	7317182	<0.25	0.25	7317182
Acrylonitrile	ug/L	<5.0	5.0	<13	13	7317186			
Chloromethane	ug/L	<0.50	0.50	<1.3	1.3	7317182	<1.3	1.3	7317182
Dibromochloromethane	ug/L	<0.20	0.20	<0.50	0.50	7317182	<0.50	0.50	7317182
1,2-Dichlorobenzene	ug/L	<0.20	0.20	<0.50	0.50	7317182	<0.50	0.50	7317182
1,3-Dichlorobenzene	ug/L	<0.20	0.20	<0.50	0.50	7317182	<0.50	0.50	7317182
1,4-Dichlorobenzene	ug/L	<0.20	0.20	<0.50	0.50	7317182	<0.50	0.50	7317182
1,1-Dichloroethane	ug/L	<0.10	0.10	<0.25	0.25	7317182	<0.25	0.25	7317182
1,2-Dichloroethane	ug/L	<0.20	0.20	<0.50	0.50	7317182	<0.50	0.50	7317182
1,1-Dichloroethylene	ug/L	<0.10	0.10	<0.25	0.25	7317182	<0.25	0.25	7317182
cis-1,2-Dichloroethylene	ug/L	<0.10	0.10	<0.25	0.25	7317182	<0.25	0.25	7317182
trans-1,2-Dichloroethylene	ug/L	<0.10	0.10	<0.25	0.25	7317182	<0.25	0.25	7317182
1,2-Dichloropropane	ug/L	<0.10	0.10	<0.25	0.25	7317182	<0.25	0.25	7317182
cis-1,3-Dichloropropene	ug/L	<0.20	0.20	<0.50	0.50	7317182	<0.50	0.50	7317182
trans-1,3-Dichloropropene	ug/L	<0.20	0.20	<0.50	0.50	7317182	<0.50	0.50	7317182
Ethylbenzene	ug/L	<0.10	0.10	<0.25	0.25	7317182	<0.25	0.25	7317182
Ethylene Dibromide	ug/L	<0.20	0.20	<0.50	0.50	7317182	<0.50	0.50	7317182
Methylene Chloride(Dichloromethane)	ug/L	<0.50	0.50	<1.3	1.3	7317182	<1.3	1.3	7317182
Methyl Ethyl Ketone (2-Butanone)	ug/L	<5.0	5.0	<13	13	7317182	<13	13	7317182
Methyl Isobutyl Ketone	ug/L	<5.0	5.0	<13	13	7317182	<13	13	7317182
Methyl t-butyl ether (MTBE)	ug/L	<0.20	0.20	<0.50	0.50	7317182	<0.50	0.50	7317182
Styrene	ug/L	<0.20	0.20	<0.50	0.50	7317182	<0.50	0.50	7317182
1,1,1,2-Tetrachloroethane	ug/L	<0.20	0.20	<0.50	0.50	7317182	<0.50	0.50	7317182
1,1,2,2-Tetrachloroethane	ug/L	<0.20	0.20	<0.50	0.50	7317182	<0.50	0.50	7317182
Tetrachloroethylene	ug/L	<0.10	0.10	<0.25	0.25	7317182	<0.25	0.25	7317182
Toluene	ug/L	<0.20	0.20	<0.50	0.50	7317182	<0.50	0.50	7317182
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate									



BUREAU  
VERITAS

BV Labs Job #: C1A9006  
Report Date: 2021/05/03

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### VOLATILE ORGANICS BY GC/MS (WATER)

BV Labs ID		PKA581		PKA582			PKA582		
Sampling Date		2021/04/22		2021/04/22			2021/04/22		
COC Number		819873-18-01		819873-18-01			819873-18-01		
	UNITS	47-IV	RDL	72-I	RDL	QC Batch	72-I Lab-Dup	RDL	QC Batch
1,1,1-Trichloroethane	ug/L	<0.10	0.10	<0.25	0.25	7317182	<0.25	0.25	7317182
1,1,2-Trichloroethane	ug/L	<0.20	0.20	<0.50	0.50	7317182	<0.50	0.50	7317182
Trichloroethylene	ug/L	<0.10	0.10	<0.25	0.25	7317182	<0.25	0.25	7317182
Trichlorofluoromethane (FREON 11)	ug/L	<0.20	0.20	<0.50	0.50	7317182	<0.50	0.50	7317182
Vinyl Chloride	ug/L	<0.20	0.20	<0.50	0.50	7317182	<0.50	0.50	7317182
p+m-Xylene	ug/L	<0.10	0.10	<0.25	0.25	7317182	<0.25	0.25	7317182
Methyl Butyl Ketone (2-Hexanone)	ug/L	<5.0	5.0	<13	13	7317186			
o-Xylene	ug/L	<0.10	0.10	<0.25	0.25	7317182	<0.25	0.25	7317182
Total Xylenes	ug/L	<0.10	0.10	<0.25	0.25	7317182	<0.25	0.25	7317182
Total Trihalomethanes	ug/L	<0.20	0.20	<0.50	0.50	7317182	<0.50	0.50	7317182
<b>Surrogate Recovery (%)</b>									
4-Bromofluorobenzene	%	95		99		7317182	98		7317182
D4-1,2-Dichloroethane	%	106		117		7317182	112		7317182
D8-Toluene	%	100		97		7317182	97		7317182
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate									



BUREAU  
VERITAS

BV Labs Job #: C1A9006  
Report Date: 2021/05/03

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### VOLATILE ORGANICS BY GC/MS (WATER)

BV Labs ID		PKA583		PKA584		PKA585	PKA586		
Sampling Date		2021/04/22		2021/04/22		2021/04/22	2021/04/22		
COC Number		819873-18-01		819873-18-01		819873-18-01	819873-18-01		
	UNITS	72-II	RDL	72-III	RDL	51-IV	51-V	RDL	QC Batch
<b>Volatile Organics</b>									
Acetone (2-Propanone)	ug/L	<50	50	<25	25	<10	<10	10	7317182
Benzene	ug/L	<0.50	0.50	<0.25	0.25	<0.10	<0.10	0.10	7317182
Bromodichloromethane	ug/L	<0.50	0.50	<0.25	0.25	<0.10	<0.10	0.10	7317182
Acrolein	ug/L	<50	50	<25	25	<10	<10	10	7317186
Bromoform	ug/L	<1.0	1.0	<0.50	0.50	<0.20	<0.20	0.20	7317182
Bromomethane	ug/L	<2.5	2.5	<1.3	1.3	<0.50	<0.50	0.50	7317182
Carbon Tetrachloride	ug/L	<0.50	0.50	<0.25	0.25	<0.10	<0.10	0.10	7317182
Chlorobenzene	ug/L	<0.50	0.50	<0.25	0.25	<0.10	<0.10	0.10	7317182
Chloroethane	ug/L	<1.0	1.0	<0.50	0.50	<0.20	<0.20	0.20	7317182
Chloroform	ug/L	<0.50	0.50	<0.25	0.25	<0.10	<0.10	0.10	7317182
Acrylonitrile	ug/L	<25	25	<13	13	<5.0	<5.0	5.0	7317186
Chloromethane	ug/L	<2.5	2.5	<1.3	1.3	<0.50	<0.50	0.50	7317182
Dibromochloromethane	ug/L	<1.0	1.0	<0.50	0.50	<0.20	<0.20	0.20	7317182
1,2-Dichlorobenzene	ug/L	<1.0	1.0	<0.50	0.50	<0.20	<0.20	0.20	7317182
1,3-Dichlorobenzene	ug/L	<1.0	1.0	<0.50	0.50	<0.20	<0.20	0.20	7317182
1,4-Dichlorobenzene	ug/L	<1.0	1.0	<0.50	0.50	<0.20	<0.20	0.20	7317182
1,1-Dichloroethane	ug/L	<0.50	0.50	<0.25	0.25	<0.10	<0.10	0.10	7317182
1,2-Dichloroethane	ug/L	<1.0	1.0	<0.50	0.50	<0.20	<0.20	0.20	7317182
1,1-Dichloroethylene	ug/L	<0.50	0.50	<0.25	0.25	<0.10	<0.10	0.10	7317182
cis-1,2-Dichloroethylene	ug/L	<0.50	0.50	<0.25	0.25	<0.10	<0.10	0.10	7317182
trans-1,2-Dichloroethylene	ug/L	<0.50	0.50	<0.25	0.25	<0.10	<0.10	0.10	7317182
1,2-Dichloropropane	ug/L	<0.50	0.50	<0.25	0.25	<0.10	<0.10	0.10	7317182
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	<0.50	0.50	<0.20	<0.20	0.20	7317182
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	<0.50	0.50	<0.20	<0.20	0.20	7317182
Ethylbenzene	ug/L	<0.50	0.50	0.33	0.25	<0.10	<0.10	0.10	7317182
Ethylene Dibromide	ug/L	<1.0	1.0	<0.50	0.50	<0.20	<0.20	0.20	7317182
Methylene Chloride(Dichloromethane)	ug/L	<2.5	2.5	<1.3	1.3	<0.50	<0.50	0.50	7317182
Methyl Ethyl Ketone (2-Butanone)	ug/L	<25	25	<13	13	<5.0	<5.0	5.0	7317182
Methyl Isobutyl Ketone	ug/L	<25	25	<13	13	<5.0	<5.0	5.0	7317182
Methyl t-butyl ether (MTBE)	ug/L	<1.0	1.0	<0.50	0.50	<0.20	<0.20	0.20	7317182
Styrene	ug/L	<1.0	1.0	<0.50	0.50	<0.20	<0.20	0.20	7317182
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	<0.50	0.50	<0.20	<0.20	0.20	7317182
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	<0.50	0.50	<0.20	<0.20	0.20	7317182
Tetrachloroethylene	ug/L	<0.50	0.50	<0.25	0.25	<0.10	<0.10	0.10	7317182
Toluene	ug/L	<1.0	1.0	<0.50	0.50	<0.20	<0.20	0.20	7317182
1,1,1-Trichloroethane	ug/L	<0.50	0.50	<0.25	0.25	<0.10	<0.10	0.10	7317182
RDL = Reportable Detection Limit QC Batch = Quality Control Batch									





**VOLATILE ORGANICS BY GC/MS (WATER)**

BV Labs ID		PKA583		PKA584		PKA585	PKA586		
Sampling Date		2021/04/22		2021/04/22		2021/04/22	2021/04/22		
COC Number		819873-18-01		819873-18-01		819873-18-01	819873-18-01		
	UNITS	72-II	RDL	72-III	RDL	51-IV	51-V	RDL	QC Batch
1,1,2-Trichloroethane	ug/L	<1.0	1.0	<0.50	0.50	<0.20	<0.20	0.20	7317182
Trichloroethylene	ug/L	<0.50	0.50	<0.25	0.25	<0.10	<0.10	0.10	7317182
Trichlorofluoromethane (FREON 11)	ug/L	<1.0	1.0	<0.50	0.50	<0.20	<0.20	0.20	7317182
Vinyl Chloride	ug/L	<1.0	1.0	<0.50	0.50	<0.20	<0.20	0.20	7317182
p+m-Xylene	ug/L	<0.50	0.50	0.41	0.25	<0.10	<0.10	0.10	7317182
Methyl Butyl Ketone (2-Hexanone)	ug/L	<25	25	<13	13	<5.0	<5.0	5.0	7317186
o-Xylene	ug/L	<0.50	0.50	0.27	0.25	<0.10	<0.10	0.10	7317182
Total Xylenes	ug/L	<0.50	0.50	0.68	0.25	<0.10	<0.10	0.10	7317182
Total Trihalomethanes	ug/L	<1.0	1.0	<0.50	0.50	<0.20	<0.20	0.20	7317182
<b>Surrogate Recovery (%)</b>									
4-Bromofluorobenzene	%	97		97		97	97		7317182
D4-1,2-Dichloroethane	%	105		105		104	102		7317182
D8-Toluene	%	98		101		98	100		7317182
RDL = Reportable Detection Limit QC Batch = Quality Control Batch									



BUREAU  
VERITAS

BV Labs Job #: C1A9006  
Report Date: 2021/05/03

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

**O.REG 153 OC PESTICIDES (WATER)**

<b>BV Labs ID</b>		PKA581	PKA582	PKA583		PKA584		PKA585		
<b>Sampling Date</b>		2021/04/22	2021/04/22	2021/04/22		2021/04/22		2021/04/22		
<b>COC Number</b>		819873-18-01	819873-18-01	819873-18-01		819873-18-01		819873-18-01		
	<b>UNITS</b>	<b>47-IV</b>	<b>72-I</b>	<b>72-II</b>	<b>RDL</b>	<b>72-III</b>	<b>RDL</b>	<b>51-IV</b>	<b>RDL</b>	<b>QC Batch</b>

<b>Calculated Parameters</b>										
Chlordane (Total)	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7316539
o,p-DDD + p,p-DDD	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7316539
o,p-DDE + p,p-DDE	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7316539
o,p-DDT + p,p-DDT	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7316539
Total Endosulfan	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7316539
Total PCB	ug/L	<0.05	<0.05	<0.05	0.05	<0.5	0.5	<0.05	0.05	7316539

<b>Pesticides &amp; Herbicides</b>										
Aldrin	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7322724
Dieldrin	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7322724
a-Chlordane	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7322724
g-Chlordane	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7322724
o,p-DDD	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7322724
p,p-DDD	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7322724
o,p-DDE	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7322724
p,p-DDE	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7322724
o,p-DDT	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7322724
p,p-DDT	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7322724
Lindane	ug/L	<0.003	<0.003	<0.003	0.003	<0.03	0.03	<0.003	0.003	7322724
Endosulfan I (alpha)	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7322724
Endosulfan II (beta)	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7322724
Endrin	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7322724
Heptachlor	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7322724
Heptachlor epoxide	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7322724
Hexachlorobenzene	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7322724
Hexachlorobutadiene	ug/L	<0.009	<0.009	<0.009	0.009	<0.09	0.09	<0.009	0.009	7322724
Hexachloroethane	ug/L	<0.01	<0.01	<0.01	0.01	<0.1	0.1	<0.01	0.01	7322724
Methoxychlor	ug/L	<0.01	<0.01	<0.01	0.01	<0.1	0.1	<0.01	0.01	7322724
Aroclor 1242	ug/L	<0.05	<0.05	<0.05	0.05	<0.5	0.5	<0.05	0.05	7322724
Aroclor 1248	ug/L	<0.05	<0.05	<0.05	0.05	<0.5	0.5	<0.05	0.05	7322724
Aroclor 1254	ug/L	<0.05	<0.05	<0.05	0.05	<0.5	0.5	<0.05	0.05	7322724
Aroclor 1260	ug/L	<0.05	<0.05	<0.05	0.05	<0.5	0.5	<0.05	0.05	7322724
alpha-BHC	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7322724
beta-BHC	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7322724
Endrin aldehyde	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7322724
Endrin ketone	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7322724
Mirex	ug/L	<0.005	<0.005	<0.005	0.005	<0.05	0.05	<0.005	0.005	7322724

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch



BUREAU  
VERITAS

BV Labs Job #: C1A9006  
Report Date: 2021/05/03

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

**O.REG 153 OC PESTICIDES (WATER)**

BV Labs ID		PKA581	PKA582	PKA583		PKA584		PKA585		
Sampling Date		2021/04/22	2021/04/22	2021/04/22		2021/04/22		2021/04/22		
COC Number		819873-18-01	819873-18-01	819873-18-01		819873-18-01		819873-18-01		
	UNITS	47-IV	72-I	72-II	RDL	72-III	RDL	51-IV	RDL	QC Batch
Toxaphene	ug/L	<0.2	<0.2	<0.2	0.2	<2	2	<0.2	0.2	7322724
<b>Surrogate Recovery (%)</b>										
2,4,5,6-Tetrachloro-m-xylene	%	83	53	81		70		75		7322724
Decachlorobiphenyl	%	92	76	97		89		98		7322724
RDL = Reportable Detection Limit QC Batch = Quality Control Batch										



BUREAU  
VERITAS

BV Labs Job #: C1A9006  
Report Date: 2021/05/03

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### O.REG 153 OC PESTICIDES (WATER)

BV Labs ID		PKA585			PKA586		
Sampling Date		2021/04/22			2021/04/22		
COC Number		819873-18-01			819873-18-01		
	UNITS	51-IV Lab-Dup	RDL	QC Batch	51-V	RDL	QC Batch
<b>Calculated Parameters</b>							
Chlordane (Total)	ug/L				<0.005	0.005	7316539
o,p-DDD + p,p-DDD	ug/L				<0.005	0.005	7316539
o,p-DDE + p,p-DDE	ug/L				<0.005	0.005	7316539
o,p-DDT + p,p-DDT	ug/L				<0.005	0.005	7316539
Total Endosulfan	ug/L				<0.005	0.005	7316539
Total PCB	ug/L				<0.05	0.05	7316539
<b>Pesticides &amp; Herbicides</b>							
Aldrin	ug/L	<0.005	0.005	7322724	<0.005	0.005	7322724
Dieldrin	ug/L	<0.005	0.005	7322724	<0.005	0.005	7322724
a-Chlordane	ug/L	<0.005	0.005	7322724	<0.005	0.005	7322724
g-Chlordane	ug/L	<0.005	0.005	7322724	<0.005	0.005	7322724
o,p-DDD	ug/L	<0.005	0.005	7322724	<0.005	0.005	7322724
p,p-DDD	ug/L	<0.005	0.005	7322724	<0.005	0.005	7322724
o,p-DDE	ug/L	<0.005	0.005	7322724	<0.005	0.005	7322724
p,p-DDE	ug/L	<0.005	0.005	7322724	<0.005	0.005	7322724
o,p-DDT	ug/L	<0.005	0.005	7322724	<0.005	0.005	7322724
p,p-DDT	ug/L	<0.005	0.005	7322724	<0.005	0.005	7322724
Lindane	ug/L	<0.003	0.003	7322724	<0.003	0.003	7322724
Endosulfan I (alpha)	ug/L	<0.005	0.005	7322724	<0.005	0.005	7322724
Endosulfan II (beta)	ug/L	<0.005	0.005	7322724	<0.005	0.005	7322724
Endrin	ug/L	<0.005	0.005	7322724	<0.005	0.005	7322724
Heptachlor	ug/L	<0.005	0.005	7322724	<0.005	0.005	7322724
Heptachlor epoxide	ug/L	<0.005	0.005	7322724	<0.005	0.005	7322724
Hexachlorobenzene	ug/L	<0.005	0.005	7322724	<0.005	0.005	7322724
Hexachlorobutadiene	ug/L	<0.009	0.009	7322724	<0.009	0.009	7322724
Hexachloroethane	ug/L	<0.01	0.01	7322724	<0.01	0.01	7322724
Methoxychlor	ug/L	<0.01	0.01	7322724	<0.01	0.01	7322724
Aroclor 1242	ug/L	<0.05	0.05	7322724	<0.05	0.05	7322724
Aroclor 1248	ug/L	<0.05	0.05	7322724	<0.05	0.05	7322724
Aroclor 1254	ug/L	<0.05	0.05	7322724	<0.05	0.05	7322724
Aroclor 1260	ug/L	<0.05	0.05	7322724	<0.05	0.05	7322724
alpha-BHC	ug/L	<0.005	0.005	7322724	<0.005	0.005	7322724
beta-BHC	ug/L	<0.005	0.005	7322724	<0.005	0.005	7322724
Endrin aldehyde	ug/L	<0.005	0.005	7322724	<0.005	0.005	7322724
Endrin ketone	ug/L	<0.005	0.005	7322724	<0.005	0.005	7322724
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate							



**O.REG 153 OC PESTICIDES (WATER)**

<b>BV Labs ID</b>		PKA585			PKA586		
<b>Sampling Date</b>		2021/04/22			2021/04/22		
<b>COC Number</b>		819873-18-01			819873-18-01		
	<b>UNITS</b>	<b>51-IV Lab-Dup</b>	<b>RDL</b>	<b>QC Batch</b>	<b>51-V</b>	<b>RDL</b>	<b>QC Batch</b>
Mirex	ug/L	<0.005	0.005	7322724	<0.005	0.005	7322724
Toxaphene	ug/L	<0.2	0.2	7322724	<0.2	0.2	7322724
<b>Surrogate Recovery (%)</b>							
2,4,5,6-Tetrachloro-m-xylene	%	73		7322724	78		7322724
Decachlorobiphenyl	%	92		7322724	88		7322724
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate							



BUREAU  
VERITAS

BV Labs Job #: C1A9006  
Report Date: 2021/05/03

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### TEST SUMMARY

**BV Labs ID:** PKA579  
**Sample ID:** P4-IV  
**Matrix:** Water

**Collected:** 2021/04/22  
**Shipped:**  
**Received:** 2021/04/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7317410	N/A	2021/04/26	Surinder Rai
Anions	IC	7317436	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7317416	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7317417	2021/04/24	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7314865	N/A	2021/04/30	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7320636	N/A	2021/04/30	Nan Raykha
Total Ammonia-N	LACH/NH4	7321505	N/A	2021/04/28	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7317403	N/A	2021/04/26	Chandra Nandlal
pH	AT	7317415	2021/04/24	2021/04/26	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7317996	N/A	2021/04/27	Bramdeo Motiram
Orthophosphate	KONE	7317425	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7320845	2021/04/27	2021/04/28	Shaneil Hall
Total Kjeldahl Nitrogen in Water	SKAL	7321482	2021/04/27	2021/04/29	Massarat Jan
Total Organic Carbon (TOC)	TOCV/NDIR	7321480	N/A	2021/04/28	Nimarta Singh

**BV Labs ID:** PKA579 Dup  
**Sample ID:** P4-IV  
**Matrix:** Water

**Collected:** 2021/04/22  
**Shipped:**  
**Received:** 2021/04/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Ammonia-N	LACH/NH4	7321505	N/A	2021/04/28	Alina Dobreanu

**BV Labs ID:** PKA580  
**Sample ID:** 9-I  
**Matrix:** Water

**Collected:** 2021/04/22  
**Shipped:**  
**Received:** 2021/04/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7317410	N/A	2021/04/26	Surinder Rai
Anions	IC	7317436	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7317416	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7317417	2021/04/24	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7314865	N/A	2021/04/30	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7320636	N/A	2021/04/30	Nan Raykha
Total Ammonia-N	LACH/NH4	7321505	N/A	2021/04/28	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7317406	N/A	2021/04/26	Chandra Nandlal
pH	AT	7317415	2021/04/24	2021/04/26	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7317973	N/A	2021/04/27	Bramdeo Motiram
Orthophosphate	KONE	7317425	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7320845	2021/04/27	2021/04/28	Shaneil Hall
Total Kjeldahl Nitrogen in Water	SKAL	7321482	2021/04/27	2021/04/29	Massarat Jan
Total Organic Carbon (TOC)	TOCV/NDIR	7321480	N/A	2021/04/28	Nimarta Singh



BUREAU  
VERITAS

BV Labs Job #: C1A9006  
Report Date: 2021/05/03

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### TEST SUMMARY

**BV Labs ID:** PKA581  
**Sample ID:** 47-IV  
**Matrix:** Water

**Collected:** 2021/04/22  
**Shipped:**  
**Received:** 2021/04/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in Water by GC/MS	GC/MS	7327273	2021/04/30	2021/05/03	Anh Lieu
Alkalinity	AT	7317410	N/A	2021/04/26	Surinder Rai
Anions	IC	7317436	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7317416	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7317417	2021/04/24	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7314865	N/A	2021/04/30	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7320636	N/A	2021/04/30	Nan Raykha
Total Ammonia-N	LACH/NH4	7321505	N/A	2021/04/28	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7317406	N/A	2021/04/26	Chandra Nandlal
OC Pesticides (Selected) & PCB	GC/ECD	7322724	2021/04/28	2021/04/29	Li Peng
OC Pesticides Summed Parameters	CALC	7316539	N/A	2021/04/26	Automated Statchk
pH	AT	7317415	2021/04/24	2021/04/26	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7317973	N/A	2021/04/27	Bramdeo Motiram
Orthophosphate	KONE	7317425	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7320845	2021/04/27	2021/04/28	Shaneil Hall
Total Kjeldahl Nitrogen in Water	SKAL	7321482	2021/04/27	2021/04/29	Massarat Jan
Total Organic Carbon (TOC)	TOCV/NDIR	7321480	N/A	2021/04/28	Nimarta Singh
Volatile Organic Compounds in Water	P&T/MS	7317182	N/A	2021/04/25	Gladys Guerrero
Non-Routine Volatile Organic Compounds	P&T/MS	7317186	N/A	2021/04/29	Dina Wang

**BV Labs ID:** PKA582  
**Sample ID:** 72-I  
**Matrix:** Water

**Collected:** 2021/04/22  
**Shipped:**  
**Received:** 2021/04/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in Water by GC/MS	GC/MS	7327273	2021/04/30	2021/05/03	Anh Lieu
Alkalinity	AT	7317410	N/A	2021/04/26	Surinder Rai
Anions	IC	7317436	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7317416	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7317417	2021/04/24	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7314865	N/A	2021/04/30	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7320636	N/A	2021/04/30	Nan Raykha
Total Ammonia-N	LACH/NH4	7321505	N/A	2021/04/28	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7317403	N/A	2021/04/26	Chandra Nandlal
OC Pesticides (Selected) & PCB	GC/ECD	7322724	2021/04/28	2021/04/29	Li Peng
OC Pesticides Summed Parameters	CALC	7316539	N/A	2021/04/26	Automated Statchk
pH	AT	7317415	2021/04/24	2021/04/26	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7317984	N/A	2021/04/27	Bramdeo Motiram
Orthophosphate	KONE	7317425	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7320845	2021/04/27	2021/04/28	Shaneil Hall
Total Kjeldahl Nitrogen in Water	SKAL	7321482	2021/04/27	2021/04/30	Massarat Jan
Total Organic Carbon (TOC)	TOCV/NDIR	7321480	N/A	2021/04/28	Nimarta Singh
Volatile Organic Compounds in Water	P&T/MS	7317182	N/A	2021/04/25	Gladys Guerrero
Non-Routine Volatile Organic Compounds	P&T/MS	7317186	N/A	2021/04/29	Dina Wang



BUREAU  
VERITAS

BV Labs Job #: C1A9006  
Report Date: 2021/05/03

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### TEST SUMMARY

**BV Labs ID:** PKA582 Dup  
**Sample ID:** 72-I  
**Matrix:** Water

**Collected:** 2021/04/22  
**Shipped:**  
**Received:** 2021/04/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Metals by ICPMS	ICP/MS	7320636	N/A	2021/04/30	Nan Raykha
Volatile Organic Compounds in Water	P&T/MS	7317182	N/A	2021/04/25	Gladys Guerrero

**BV Labs ID:** PKA583  
**Sample ID:** 72-II  
**Matrix:** Water

**Collected:** 2021/04/22  
**Shipped:**  
**Received:** 2021/04/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in Water by GC/MS	GC/MS	7327273	2021/04/30	2021/05/03	Anh Lieu
Alkalinity	AT	7317410	N/A	2021/04/26	Surinder Rai
Anions	IC	7317436	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7317416	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7317417	2021/04/24	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7314865	N/A	2021/04/30	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7320636	N/A	2021/04/30	Nan Raykha
Total Ammonia-N	LACH/NH4	7321505	N/A	2021/04/28	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7317403	N/A	2021/04/26	Chandra Nandlal
OC Pesticides (Selected) & PCB	GC/ECD	7322724	2021/04/28	2021/04/30	Li Peng
OC Pesticides Summed Parameters	CALC	7316539	N/A	2021/04/26	Automated Statchk
pH	AT	7317415	2021/04/24	2021/04/26	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7317984	N/A	2021/04/27	Bramdeo Motiram
Orthophosphate	KONE	7317425	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7320845	2021/04/27	2021/04/28	Shaneil Hall
Total Kjeldahl Nitrogen in Water	SKAL	7321482	2021/04/27	2021/04/30	Massarat Jan
Total Organic Carbon (TOC)	TOCV/NDIR	7321942	N/A	2021/04/27	Nimarta Singh
Volatile Organic Compounds in Water	P&T/MS	7317182	N/A	2021/04/25	Gladys Guerrero
Non-Routine Volatile Organic Compounds	P&T/MS	7317186	N/A	2021/04/29	Dina Wang

**BV Labs ID:** PKA584  
**Sample ID:** 72-III  
**Matrix:** Water

**Collected:** 2021/04/22  
**Shipped:**  
**Received:** 2021/04/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in Water by GC/MS	GC/MS	7327273	2021/04/30	2021/05/03	Anh Lieu
Alkalinity	AT	7317410	N/A	2021/04/26	Surinder Rai
Anions	IC	7317436	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7317416	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7317417	2021/04/24	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7314865	N/A	2021/04/30	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7320636	N/A	2021/04/30	Nan Raykha
Total Ammonia-N	LACH/NH4	7321505	N/A	2021/04/28	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7317406	N/A	2021/04/26	Chandra Nandlal
OC Pesticides (Selected) & PCB	GC/ECD	7322724	2021/04/28	2021/04/30	Li Peng
OC Pesticides Summed Parameters	CALC	7316539	N/A	2021/04/26	Automated Statchk
pH	AT	7317415	2021/04/24	2021/04/26	Surinder Rai





BUREAU  
VERITAS

BV Labs Job #: C1A9006  
Report Date: 2021/05/03

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### TEST SUMMARY

**BV Labs ID:** PKA584  
**Sample ID:** 72-III  
**Matrix:** Water

**Collected:** 2021/04/22  
**Shipped:**  
**Received:** 2021/04/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Phenols (4AAP)	TECH/PHEN	7317996	N/A	2021/04/27	Bramdeo Motiram
Orthophosphate	KONE	7317425	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7320845	2021/04/27	2021/04/28	Shaneil Hall
Total Kjeldahl Nitrogen in Water	SKAL	7321482	2021/04/27	2021/04/30	Massarat Jan
Total Organic Carbon (TOC)	TOCV/NDIR	7321480	N/A	2021/04/28	Nimarta Singh
Volatile Organic Compounds in Water	P&T/MS	7317182	N/A	2021/04/25	Gladys Guerrero
Non-Routine Volatile Organic Compounds	P&T/MS	7317186	N/A	2021/04/29	Dina Wang

**BV Labs ID:** PKA585  
**Sample ID:** 51-IV  
**Matrix:** Water

**Collected:** 2021/04/22  
**Shipped:**  
**Received:** 2021/04/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in Water by GC/MS	GC/MS	7327273	2021/04/30	2021/05/03	Anh Lieu
Alkalinity	AT	7317410	N/A	2021/04/26	Surinder Rai
Anions	IC	7317436	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7317416	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7317417	2021/04/24	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7314865	N/A	2021/04/30	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7320636	N/A	2021/04/30	Nan Raykha
Total Ammonia-N	LACH/NH4	7321505	N/A	2021/04/28	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7317403	N/A	2021/04/26	Chandra Nandlal
OC Pesticides (Selected) & PCB	GC/ECD	7322724	2021/04/28	2021/04/28	Li Peng
OC Pesticides Summed Parameters	CALC	7316539	N/A	2021/04/26	Automated Statchk
pH	AT	7317415	2021/04/24	2021/04/26	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7317984	N/A	2021/04/26	Bramdeo Motiram
Orthophosphate	KONE	7317425	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7320845	2021/04/27	2021/04/28	Shaneil Hall
Total Kjeldahl Nitrogen in Water	SKAL	7321482	2021/04/27	2021/04/29	Massarat Jan
Total Organic Carbon (TOC)	TOCV/NDIR	7321480	N/A	2021/04/28	Nimarta Singh
Volatile Organic Compounds in Water	P&T/MS	7317182	N/A	2021/04/25	Gladys Guerrero
Non-Routine Volatile Organic Compounds	P&T/MS	7317186	N/A	2021/04/29	Dina Wang

**BV Labs ID:** PKA585 Dup  
**Sample ID:** 51-IV  
**Matrix:** Water

**Collected:** 2021/04/22  
**Shipped:**  
**Received:** 2021/04/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
OC Pesticides (Selected) & PCB	GC/ECD	7322724	2021/04/28	2021/04/28	Li Peng



BUREAU  
VERITAS

BV Labs Job #: C1A9006  
Report Date: 2021/05/03

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### TEST SUMMARY

**BV Labs ID:** PKA586  
**Sample ID:** 51-V  
**Matrix:** Water

**Collected:** 2021/04/22  
**Shipped:**  
**Received:** 2021/04/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in Water by GC/MS	GC/MS	7327273	2021/04/30	2021/05/03	Anh Lieu
Alkalinity	AT	7317410	N/A	2021/04/26	Surinder Rai
Anions	IC	7317436	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7317416	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7317417	2021/04/24	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7314865	N/A	2021/04/30	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7320636	N/A	2021/04/30	Nan Raykha
Total Ammonia-N	LACH/NH4	7321505	N/A	2021/04/28	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7317406	N/A	2021/04/26	Chandra Nandlal
OC Pesticides (Selected) & PCB	GC/ECD	7322724	2021/04/28	2021/04/29	Li Peng
OC Pesticides Summed Parameters	CALC	7316539	N/A	2021/04/26	Automated Statchk
pH	AT	7317415	2021/04/24	2021/04/26	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7317984	N/A	2021/04/26	Bramdeo Motiram
Orthophosphate	KONE	7317425	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7320845	2021/04/27	2021/04/28	Shaneil Hall
Total Kjeldahl Nitrogen in Water	SKAL	7321482	2021/04/27	2021/04/30	Massarat Jan
Total Organic Carbon (TOC)	TOCV/NDIR	7321480	N/A	2021/04/28	Nimarta Singh
Volatile Organic Compounds in Water	P&T/MS	7317182	N/A	2021/04/25	Gladys Guerrero
Non-Routine Volatile Organic Compounds	P&T/MS	7317186	N/A	2021/04/29	Dina Wang

**BV Labs ID:** PKA587  
**Sample ID:** 12-I  
**Matrix:** Water

**Collected:** 2021/04/22  
**Shipped:**  
**Received:** 2021/04/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7317410	N/A	2021/04/26	Surinder Rai
Anions	IC	7317436	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7317416	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7317417	2021/04/24	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7314865	N/A	2021/04/30	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7320636	N/A	2021/04/30	Nan Raykha
Total Ammonia-N	LACH/NH4	7321505	N/A	2021/04/28	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7317403	N/A	2021/04/26	Chandra Nandlal
pH	AT	7317415	2021/04/24	2021/04/26	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7317973	N/A	2021/04/27	Bramdeo Motiram
Orthophosphate	KONE	7317425	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7320845	2021/04/27	2021/04/28	Shaneil Hall
Total Kjeldahl Nitrogen in Water	SKAL	7321482	2021/04/27	2021/04/30	Massarat Jan
Total Organic Carbon (TOC)	TOCV/NDIR	7321480	N/A	2021/04/28	Nimarta Singh



BUREAU  
VERITAS

BV Labs Job #: C1A9006  
Report Date: 2021/05/03

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### TEST SUMMARY

**BV Labs ID:** PKA588  
**Sample ID:** P8-I  
**Matrix:** Water

**Collected:** 2021/04/22  
**Shipped:**  
**Received:** 2021/04/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7317410	N/A	2021/04/26	Surinder Rai
Anions	IC	7317436	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7317416	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7317417	2021/04/24	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7314865	N/A	2021/04/30	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7320636	N/A	2021/04/30	Nan Raykha
Total Ammonia-N	LACH/NH4	7321505	N/A	2021/04/28	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7317403	N/A	2021/04/26	Chandra Nandlal
pH	AT	7317415	2021/04/24	2021/04/26	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7317996	N/A	2021/04/27	Bramdeo Motiram
Orthophosphate	KONE	7317425	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7320845	2021/04/27	2021/04/28	Shaneil Hall
Total Kjeldahl Nitrogen in Water	SKAL	7321482	2021/04/27	2021/04/30	Massarat Jan
Total Organic Carbon (TOC)	TOCV/NDIR	7321480	N/A	2021/04/27	Nimarta Singh

**BV Labs ID:** PKA588 Dup  
**Sample ID:** P8-I  
**Matrix:** Water

**Collected:** 2021/04/22  
**Shipped:**  
**Received:** 2021/04/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Orthophosphate	KONE	7317425	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7320845	2021/04/27	2021/04/28	Shaneil Hall

**BV Labs ID:** PKA589  
**Sample ID:** P8-II  
**Matrix:** Water

**Collected:** 2021/04/22  
**Shipped:**  
**Received:** 2021/04/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7318744	N/A	2021/04/27	Surinder Rai
Anions	IC	7317436	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7318749	N/A	2021/04/27	Surinder Rai
Fluoride	ISE	7318733	2021/04/26	2021/04/27	Surinder Rai
Hardness (calculated as CaCO3)		7314865	N/A	2021/04/30	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7320636	N/A	2021/04/30	Nan Raykha
Total Ammonia-N	LACH/NH4	7321505	N/A	2021/04/28	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7317406	N/A	2021/04/26	Chandra Nandlal
pH	AT	7318742	2021/04/26	2021/04/27	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7317996	N/A	2021/04/27	Bramdeo Motiram
Orthophosphate	KONE	7317425	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7320845	2021/04/27	2021/04/28	Shaneil Hall
Total Kjeldahl Nitrogen in Water	SKAL	7321482	2021/04/27	2021/04/29	Massarat Jan
Total Organic Carbon (TOC)	TOCV/NDIR	7321480	N/A	2021/04/27	Nimarta Singh



BUREAU  
VERITAS

BV Labs Job #: C1A9006  
Report Date: 2021/05/03

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### TEST SUMMARY

**BV Labs ID:** PKA589 Dup  
**Sample ID:** P8-II  
**Matrix:** Water

**Collected:** 2021/04/22  
**Shipped:**  
**Received:** 2021/04/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Organic Carbon (TOC)	TOCV/NDIR	7321480	N/A	2021/04/27	Nimarta Singh

**BV Labs ID:** PKA590  
**Sample ID:** G27  
**Matrix:** Water

**Collected:** 2021/04/22  
**Shipped:**  
**Received:** 2021/04/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7317410	N/A	2021/04/26	Surinder Rai
Anions	IC	7317436	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7317416	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7317417	2021/04/24	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7314865	N/A	2021/04/30	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7320636	N/A	2021/04/30	Nan Raykha
Total Ammonia-N	LACH/NH4	7321505	N/A	2021/04/28	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7317406	N/A	2021/04/26	Chandra Nandlal
pH	AT	7317415	2021/04/24	2021/04/26	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7317973	N/A	2021/04/27	Bramdeo Motiram
Orthophosphate	KONE	7317425	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7320845	2021/04/27	2021/04/28	Shaneil Hall
Total Kjeldahl Nitrogen in Water	SKAL	7321482	2021/04/27	2021/04/30	Massarat Jan
Total Organic Carbon (TOC)	TOCV/NDIR	7321480	N/A	2021/04/28	Nimarta Singh

**BV Labs ID:** PKA591  
**Sample ID:** P5-IIIR  
**Matrix:** Water

**Collected:** 2021/04/22  
**Shipped:**  
**Received:** 2021/04/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	7317410	N/A	2021/04/26	Surinder Rai
Anions	IC	7317436	N/A	2021/04/28	Fari Dehdezi
Conductivity	AT	7317416	N/A	2021/04/26	Surinder Rai
Fluoride	ISE	7317417	2021/04/24	2021/04/26	Surinder Rai
Hardness (calculated as CaCO3)		7314865	N/A	2021/04/30	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	7320636	N/A	2021/04/30	Nan Raykha
Total Ammonia-N	LACH/NH4	7321505	N/A	2021/04/28	Alina Dobreanu
Nitrate (NO3) and Nitrite (NO2) in Water	LACH	7317403	N/A	2021/04/26	Chandra Nandlal
pH	AT	7317415	2021/04/24	2021/04/26	Surinder Rai
Phenols (4AAP)	TECH/PHEN	7317996	N/A	2021/04/27	Bramdeo Motiram
Orthophosphate	KONE	7317425	N/A	2021/04/26	Avneet Kour Sudan
Total Dissolved Solids	BAL	7320845	2021/04/27	2021/04/28	Shaneil Hall
Total Kjeldahl Nitrogen in Water	SKAL	7321482	2021/04/27	2021/04/30	Massarat Jan
Total Organic Carbon (TOC)	TOCV/NDIR	7321942	N/A	2021/04/27	Nimarta Singh



BUREAU  
VERITAS

BV Labs Job #: C1A9006  
Report Date: 2021/05/03

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### TEST SUMMARY

**BV Labs ID:** PKA591 Dup  
**Sample ID:** P5-IIIR  
**Matrix:** Water

**Collected:** 2021/04/22  
**Shipped:**  
**Received:** 2021/04/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Phenols (4AAP)	TECH/PHEN	7317996	N/A	2021/04/27	Bramdeo Motiram



### GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	0.7°C
Package 2	0.0°C
Package 3	0.0°C
Package 4	1.3°C
Package 5	2.3°C

VOC-WTR-X Analysis: Due to foaming, some of the samples required dilution. The detection limits were adjusted accordingly.

Sample PKA582 [72-I] : VOC Water Analysis: Due to foaming, sample required dilution. The detection limits were adjusted accordingly.

Nitrite/Nitrate: Due to the sample matrix, sample required dilution. Detection limit was adjusted accordingly.

Metal Analysis: Due to the sample matrix, sample required dilution. Detection limit was adjusted accordingly.

ortho-Phosphate > Total Phosphorus: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Sample PKA583 [72-II] : VOC Water Analysis: Due to foaming, sample required dilution. The detection limits were adjusted accordingly.

Nitrite/Nitrate: Due to the sample matrix, sample required dilution. Detection limit was adjusted accordingly.

Metal Analysis: Due to the sample matrix, sample required dilution. Detection limit was adjusted accordingly.

Sample PKA584 [72-III] : VOC Water Analysis: Due to foaming, sample required dilution. The detection limits were adjusted accordingly.

OC Pesticide Analysis: Due to the nature of the sample matrix, a smaller portion of the sample was extracted. DLs were adjusted accordingly.

Metal Analysis: Due to the sample matrix, sample required dilution. Detection limit was adjusted accordingly.

ortho-Phosphate > Total Phosphorus: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Sample PKA587 [12-I] : Metal Analysis: Due to the sample matrix, sample required dilution. Detection limit was adjusted accordingly.

ortho-Phosphate > Total Phosphorus: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Sample PKA588 [P8-I] : TKN < Ammonia: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Metal Analysis: Due to the sample matrix, sample required dilution. Detection limit was adjusted accordingly.

**Results relate only to the items tested.**



BUREAU  
VERITAS

BV Labs Job #: C1A9006

Report Date: 2021/05/03

### QUALITY ASSURANCE REPORT

Terrapure Environmental

Client Project #: GW

Sampler Initials: DT

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7317182	4-Bromofluorobenzene	2021/04/25	99	70 - 130	100	70 - 130	97	%				
7317182	D4-1,2-Dichloroethane	2021/04/25	97	70 - 130	101	70 - 130	99	%				
7317182	D8-Toluene	2021/04/25	103	70 - 130	102	70 - 130	102	%				
7322724	2,4,5,6-Tetrachloro-m-xylene	2021/04/28	81	50 - 130	70	50 - 130	65	%				
7322724	Decachlorobiphenyl	2021/04/28	102	50 - 130	88	50 - 130	80	%				
7327273	2,4,6-Tribromophenol	2021/04/30	82	10 - 130	86	10 - 130	59	%				
7327273	2-Fluorobiphenyl	2021/04/30	64	30 - 130	68	30 - 130	66	%				
7327273	2-Fluorophenol	2021/04/30	36	10 - 130	37	10 - 130	31	%				
7327273	D14-Terphenyl	2021/04/30	95	30 - 130	100	30 - 130	87	%				
7327273	D5-Nitrobenzene	2021/04/30	80	30 - 130	86	30 - 130	80	%				
7327273	D5-Phenol	2021/04/30	23	10 - 130	24	10 - 130	20	%				
7317182	1,1,1,2-Tetrachloroethane	2021/04/25	96	70 - 130	100	70 - 130	<0.20	ug/L	NC	30		
7317182	1,1,1-Trichloroethane	2021/04/25	101	70 - 130	103	70 - 130	<0.10	ug/L	NC	30		
7317182	1,1,2,2-Tetrachloroethane	2021/04/25	99	70 - 130	106	70 - 130	<0.20	ug/L	NC	30		
7317182	1,1,2-Trichloroethane	2021/04/25	101	70 - 130	106	70 - 130	<0.20	ug/L	NC	30		
7317182	1,1-Dichloroethane	2021/04/25	98	70 - 130	101	70 - 130	<0.10	ug/L	NC	30		
7317182	1,1-Dichloroethylene	2021/04/25	104	70 - 130	107	70 - 130	<0.10	ug/L	NC	30		
7317182	1,2-Dichlorobenzene	2021/04/25	96	70 - 130	99	70 - 130	<0.20	ug/L	NC	30		
7317182	1,2-Dichloroethane	2021/04/25	94	70 - 130	100	70 - 130	<0.20	ug/L	NC	30		
7317182	1,2-Dichloropropane	2021/04/25	104	70 - 130	107	70 - 130	<0.10	ug/L	NC	30		
7317182	1,3-Dichlorobenzene	2021/04/25	98	70 - 130	100	70 - 130	<0.20	ug/L	NC	30		
7317182	1,4-Dichlorobenzene	2021/04/25	113	70 - 130	114	70 - 130	<0.20	ug/L	NC	30		
7317182	Acetone (2-Propanone)	2021/04/25	104	60 - 140	117	60 - 140	<10	ug/L	NC	30		
7317182	Benzene	2021/04/25	97	70 - 130	99	70 - 130	<0.10	ug/L	NC	30		
7317182	Bromodichloromethane	2021/04/25	103	70 - 130	109	70 - 130	<0.10	ug/L	NC	30		
7317182	Bromoform	2021/04/25	103	70 - 130	111	70 - 130	<0.20	ug/L	NC	30		
7317182	Bromomethane	2021/04/25	87	60 - 140	134	60 - 140	<0.50	ug/L	NC	30		
7317182	Carbon Tetrachloride	2021/04/25	97	70 - 130	101	70 - 130	<0.10	ug/L	NC	30		
7317182	Chlorobenzene	2021/04/25	98	70 - 130	99	70 - 130	<0.10	ug/L	NC	30		
7317182	Chloroethane	2021/04/25	71	70 - 130	88	70 - 130	<0.20	ug/L	NC	30		
7317182	Chloroform	2021/04/25	97	70 - 130	100	70 - 130	<0.10	ug/L	NC	30		



BUREAU  
VERITAS

BV Labs Job #: C1A9006  
Report Date: 2021/05/03

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7317182	Chloromethane	2021/04/25	105	60 - 140	110	60 - 140	<0.50	ug/L	NC	30		
7317182	cis-1,2-Dichloroethylene	2021/04/25	100	70 - 130	103	70 - 130	<0.10	ug/L	NC	30		
7317182	cis-1,3-Dichloropropene	2021/04/25	102	70 - 130	109	70 - 130	<0.20	ug/L	NC	30		
7317182	Dibromochloromethane	2021/04/25	97	70 - 130	103	70 - 130	<0.20	ug/L	NC	30		
7317182	Ethylbenzene	2021/04/25	96	70 - 130	97	70 - 130	<0.10	ug/L	NC	30		
7317182	Ethylene Dibromide	2021/04/25	96	70 - 130	100	70 - 130	<0.20	ug/L	NC	30		
7317182	Methyl Ethyl Ketone (2-Butanone)	2021/04/25	104	60 - 140	116	60 - 140	<5.0	ug/L	NC	30		
7317182	Methyl Isobutyl Ketone	2021/04/25	108	70 - 130	114	70 - 130	<5.0	ug/L	NC	30		
7317182	Methyl t-butyl ether (MTBE)	2021/04/25	93	70 - 130	102	70 - 130	<0.20	ug/L	NC	30		
7317182	Methylene Chloride(Dichloromethane)	2021/04/25	103	70 - 130	108	70 - 130	<0.50	ug/L	NC	30		
7317182	o-Xylene	2021/04/25	96	70 - 130	99	70 - 130	<0.10	ug/L	NC	30		
7317182	p+m-Xylene	2021/04/25	104	70 - 130	104	70 - 130	<0.10	ug/L	NC	30		
7317182	Styrene	2021/04/25	104	70 - 130	108	70 - 130	<0.20	ug/L	NC	30		
7317182	Tetrachloroethylene	2021/04/25	90	70 - 130	92	70 - 130	<0.10	ug/L	NC	30		
7317182	Toluene	2021/04/25	101	70 - 130	100	70 - 130	<0.20	ug/L	NC	30		
7317182	Total Trihalomethanes	2021/04/25					<0.20	ug/L	NC	30		
7317182	Total Xylenes	2021/04/25					<0.10	ug/L	NC	30		
7317182	trans-1,2-Dichloroethylene	2021/04/25	100	70 - 130	100	70 - 130	<0.10	ug/L	NC	30		
7317182	trans-1,3-Dichloropropene	2021/04/25	106	70 - 130	112	70 - 130	<0.20	ug/L	NC	30		
7317182	Trichloroethylene	2021/04/25	99	70 - 130	102	70 - 130	<0.10	ug/L	NC	30		
7317182	Trichlorofluoromethane (FREON 11)	2021/04/25	95	70 - 130	90	70 - 130	<0.20	ug/L	NC	30		
7317182	Vinyl Chloride	2021/04/25	102	70 - 130	104	70 - 130	<0.20	ug/L	NC	30		
7317186	Acrolein	2021/04/29			114	60 - 140	<10	ug/L				
7317186	Acrylonitrile	2021/04/29			108	60 - 140	<5.0	ug/L				
7317186	Methyl Butyl Ketone (2-Hexanone)	2021/04/29	120	60 - 140	102	60 - 140	<5.0	ug/L				
7317403	Nitrate (N)	2021/04/26	99	80 - 120	96	80 - 120	<0.10	mg/L	NC	20		
7317403	Nitrite (N)	2021/04/26	105	80 - 120	105	80 - 120	<0.010	mg/L	NC	20		
7317406	Nitrate (N)	2021/04/26	96	80 - 120	97	80 - 120	<0.10	mg/L	NC	20		
7317406	Nitrite (N)	2021/04/26	97	80 - 120	99	80 - 120	<0.010	mg/L	NC	20		
7317410	Alkalinity (Total as CaCO3)	2021/04/26			95	85 - 115	<1.0	mg/L	0.12	20		
7317415	pH	2021/04/26			102	98 - 103			0.16	N/A		





BUREAU  
VERITAS

BV Labs Job #: C1A9006  
Report Date: 2021/05/03

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7317416	Conductivity	2021/04/26			102	85 - 115	<1.0	umho/cm	0.058	25		
7317417	Fluoride (F-)	2021/04/26	93	80 - 120	97	80 - 120	<0.10	mg/L	15	20		
7317425	Orthophosphate (P)	2021/04/26	94	75 - 125	97	80 - 120	<0.010	mg/L	NC	25		
7317436	Dissolved Bromide (Br-)	2021/04/28	109	80 - 120	111	80 - 120	<1.0	mg/L	NC	20		
7317436	Dissolved Chloride (Cl-)	2021/04/28	95	80 - 120	98	70 - 130	<1.0	mg/L	3.3	20		
7317436	Dissolved Sulphate (SO4)	2021/04/28	NC	80 - 120	101	80 - 120	<1.0	mg/L	0.19	20		
7317973	Phenols-4AAP	2021/04/27	NC	80 - 120	104	80 - 120	<0.0010	mg/L	1.4	20		
7317984	Phenols-4AAP	2021/04/26	97	80 - 120	97	80 - 120	<0.0010	mg/L	NC	20		
7317996	Phenols-4AAP	2021/04/27	NC	80 - 120	103	80 - 120	<0.0010	mg/L	3.1	20		
7318733	Fluoride (F-)	2021/04/27	97	80 - 120	100	80 - 120	<0.10	mg/L	5.4	20		
7318742	pH	2021/04/27			102	98 - 103			0.029	N/A		
7318744	Alkalinity (Total as CaCO3)	2021/04/27			95	85 - 115	<1.0	mg/L	1.1	20		
7318749	Conductivity	2021/04/27			102	85 - 115	<1.0	umho/cm	0.24	25		
7320636	Dissolved Aluminum (Al)	2021/04/30	119	80 - 120	95	80 - 120	<4.9	ug/L	NC	20		
7320636	Dissolved Antimony (Sb)	2021/04/30	103	80 - 120	98	80 - 120	<0.50	ug/L	NC	20		
7320636	Dissolved Arsenic (As)	2021/04/30	100	80 - 120	99	80 - 120	<1.0	ug/L	NC	20		
7320636	Dissolved Barium (Ba)	2021/04/30	100	80 - 120	97	80 - 120	<2.0	ug/L	4.1	20		
7320636	Dissolved Beryllium (Be)	2021/04/30	83	80 - 120	95	80 - 120	<0.40	ug/L	NC	20		
7320636	Dissolved Bismuth (Bi)	2021/04/30	86	80 - 120	100	80 - 120	<1.0	ug/L	NC	20		
7320636	Dissolved Boron (B)	2021/04/30	NC	80 - 120	89	80 - 120	<10	ug/L	0.34	20		
7320636	Dissolved Cadmium (Cd)	2021/04/30	97	80 - 120	98	80 - 120	<0.090	ug/L	NC	20		
7320636	Dissolved Calcium (Ca)	2021/04/30	NC	80 - 120	95	80 - 120	<200	ug/L	2.9	20		
7320636	Dissolved Chromium (Cr)	2021/04/30	101	80 - 120	95	80 - 120	<5.0	ug/L	NC	20		
7320636	Dissolved Cobalt (Co)	2021/04/30	96	80 - 120	95	80 - 120	<0.50	ug/L	NC	20		
7320636	Dissolved Copper (Cu)	2021/04/30	98	80 - 120	98	80 - 120	<0.90	ug/L	NC	20		
7320636	Dissolved Iron (Fe)	2021/04/30	99	80 - 120	97	80 - 120	<100	ug/L	NC	20		
7320636	Dissolved Lead (Pb)	2021/04/30	89	80 - 120	98	80 - 120	<0.50	ug/L	NC	20		
7320636	Dissolved Lithium (Li)	2021/04/30	NC	80 - 120	101	80 - 120	<5.0	ug/L	2.3	20		
7320636	Dissolved Magnesium (Mg)	2021/04/30	NC	80 - 120	99	80 - 120	<50	ug/L	4.0	20		



BUREAU  
VERITAS

BV Labs Job #: C1A9006  
Report Date: 2021/05/03

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7320636	Dissolved Manganese (Mn)	2021/04/30	NC	80 - 120	96	80 - 120	<2.0	ug/L	2.8	20		
7320636	Dissolved Molybdenum (Mo)	2021/04/30	109	80 - 120	97	80 - 120	<0.50	ug/L	NC	20		
7320636	Dissolved Nickel (Ni)	2021/04/30	90	80 - 120	95	80 - 120	<1.0	ug/L	NC	20		
7320636	Dissolved Phosphorus (P)	2021/04/30	NC	80 - 120	102	80 - 120	<100	ug/L	NC	20		
7320636	Dissolved Potassium (K)	2021/04/30	NC	80 - 120	101	80 - 120	<200	ug/L	2.4	20		
7320636	Dissolved Selenium (Se)	2021/04/30	94	80 - 120	96	80 - 120	<2.0	ug/L	NC	20		
7320636	Dissolved Silicon (Si)	2021/04/30	119	80 - 120	95	80 - 120	<50	ug/L	3.7	20		
7320636	Dissolved Silver (Ag)	2021/04/30	77 (1)	80 - 120	96	80 - 120	<0.090	ug/L	NC	20		
7320636	Dissolved Sodium (Na)	2021/04/30	NC	80 - 120	97	80 - 120	<100	ug/L	3.0	20		
7320636	Dissolved Strontium (Sr)	2021/04/30	NC	80 - 120	95	80 - 120	<1.0	ug/L	1.1	20		
7320636	Dissolved Tellurium (Te)	2021/04/30	93	80 - 120	97	80 - 120	<1.0	ug/L	NC	20		
7320636	Dissolved Thallium (Tl)	2021/04/30	90	80 - 120	99	80 - 120	<0.050	ug/L	NC	20		
7320636	Dissolved Tin (Sn)	2021/04/30	106	80 - 120	99	80 - 120	<1.0	ug/L	NC	20		
7320636	Dissolved Titanium (Ti)	2021/04/30	108	80 - 120	89	80 - 120	<5.0	ug/L	NC	20		
7320636	Dissolved Tungsten (W)	2021/04/30	99	80 - 120	99	80 - 120	<1.0	ug/L	NC	20		
7320636	Dissolved Uranium (U)	2021/04/30	93	80 - 120	97	80 - 120	<0.10	ug/L	NC	20		
7320636	Dissolved Vanadium (V)	2021/04/30	107	80 - 120	97	80 - 120	<0.50	ug/L	NC	20		
7320636	Dissolved Zinc (Zn)	2021/04/30	85	80 - 120	95	80 - 120	<5.0	ug/L	NC	20		
7320636	Dissolved Zirconium (Zr)	2021/04/30	116	80 - 120	101	80 - 120	<1.0	ug/L	NC	20		
7320845	Total Dissolved Solids	2021/04/28					<10	mg/L	0	25	98	90 - 110
7321480	Total Organic Carbon (TOC)	2021/04/27	94	80 - 120	97	80 - 120	<0.40	mg/L	1.6	20		
7321482	Total Kjeldahl Nitrogen (TKN)	2021/04/29	NC	80 - 120	99	80 - 120	<0.10	mg/L	2.3	20	94	N/A
7321505	Total Ammonia-N	2021/04/28	103	75 - 125	100	80 - 120	<0.050	mg/L	NC	20		
7321942	Total Organic Carbon (TOC)	2021/04/27	97	80 - 120	99	80 - 120	<0.40	mg/L	1.3	20		
7322724	a-Chlordane	2021/04/28	87	50 - 130	90	50 - 130	<0.005	ug/L	NC	30		
7322724	Aldrin	2021/04/28	80	50 - 130	77	50 - 130	<0.005	ug/L	NC	30		
7322724	alpha-BHC	2021/04/28	84	30 - 130	89	30 - 130	<0.005	ug/L	NC	40		
7322724	Aroclor 1242	2021/04/28					<0.05	ug/L	NC	30		
7322724	Aroclor 1248	2021/04/28					<0.05	ug/L	NC	30		
7322724	Aroclor 1254	2021/04/28					<0.05	ug/L	NC	30		
7322724	Aroclor 1260	2021/04/28					<0.05	ug/L	NC	30		



BUREAU  
VERITAS

BV Labs Job #: C1A9006  
Report Date: 2021/05/03

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7322724	beta-BHC	2021/04/28	79	30 - 130	82	30 - 130	<0.005	ug/L	NC	40		
7322724	Dieldrin	2021/04/28	103	50 - 130	109	50 - 130	<0.005	ug/L	NC	30		
7322724	Endosulfan I (alpha)	2021/04/28	79	50 - 130	82	50 - 130	<0.005	ug/L	NC	30		
7322724	Endosulfan II (beta)	2021/04/28	87	50 - 130	92	50 - 130	<0.005	ug/L	NC	30		
7322724	Endrin aldehyde	2021/04/28	92	30 - 130	101	30 - 130	<0.005	ug/L	NC	40		
7322724	Endrin ketone	2021/04/28	98	30 - 130	104	30 - 130	<0.005	ug/L	NC	40		
7322724	Endrin	2021/04/28	92	50 - 130	97	50 - 130	<0.005	ug/L	NC	30		
7322724	g-Chlordane	2021/04/28	89	50 - 130	92	50 - 130	<0.005	ug/L	NC	30		
7322724	Heptachlor epoxide	2021/04/28	86	50 - 130	92	50 - 130	<0.005	ug/L	NC	30		
7322724	Heptachlor	2021/04/28	86	50 - 130	85	50 - 130	<0.005	ug/L	NC	30		
7322724	Hexachlorobenzene	2021/04/28	83	50 - 130	83	50 - 130	<0.005	ug/L	NC	30		
7322724	Hexachlorobutadiene	2021/04/28	85	50 - 130	82	50 - 130	<0.009	ug/L	NC	30		
7322724	Hexachloroethane	2021/04/28	79	50 - 130	70	50 - 130	<0.01	ug/L	NC	30		
7322724	Lindane	2021/04/28	86	50 - 130	90	50 - 130	<0.003	ug/L	NC	30		
7322724	Methoxychlor	2021/04/28	104	50 - 130	111	50 - 130	<0.01	ug/L	NC	30		
7322724	Mirex	2021/04/28	99	30 - 130	91	30 - 130	<0.005	ug/L	NC	40		
7322724	o,p-DDD	2021/04/28	102	50 - 130	106	50 - 130	<0.005	ug/L	NC	30		
7322724	o,p-DDE	2021/04/28	88	50 - 130	90	50 - 130	<0.005	ug/L	NC	30		
7322724	o,p-DDT	2021/04/28	96	50 - 130	97	50 - 130	<0.005	ug/L	NC	30		
7322724	p,p-DDD	2021/04/28	103	50 - 130	107	50 - 130	<0.005	ug/L	NC	30		
7322724	p,p-DDE	2021/04/28	83	50 - 130	81	50 - 130	<0.005	ug/L	NC	30		
7322724	p,p-DDT	2021/04/28	95	50 - 130	100	50 - 130	<0.005	ug/L	NC	30		
7322724	Toxaphene	2021/04/28					<0.2	ug/L	NC	40		
7327273	1,2,3,4-Tetrachlorobenzene	2021/05/03	51	30 - 130	53	30 - 130	<0.50	ug/L	NC	40		
7327273	1,2,3,5-Tetrachlorobenzene	2021/05/03	57	30 - 130	55	30 - 130	<0.50	ug/L	NC	40		
7327273	1,2,3-Trichlorobenzene	2021/05/03	56	30 - 130	58	30 - 130	<0.50	ug/L	NC	40		
7327273	1,2,4,5-Tetrachlorobenzene	2021/05/03	53	30 - 130	55	30 - 130	<0.50	ug/L	NC	40		
7327273	1,2,4-Trichlorobenzene	2021/05/03	53	30 - 130	56	30 - 130	<0.50	ug/L	NC	40		
7327273	1,2-Dichlorobenzene	2021/05/03	53	30 - 130	57	30 - 130	<0.50	ug/L	NC	40		
7327273	1,3,5-Trichlorobenzene	2021/05/03	57	30 - 130	60	30 - 130	<0.50	ug/L	NC	40		
7327273	1,3-Dichlorobenzene	2021/05/03	46	30 - 130	49	30 - 130	<0.50	ug/L	NC	40		



BUREAU  
VERITAS

BV Labs Job #: C1A9006  
Report Date: 2021/05/03

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7327273	1,4-Dichlorobenzene	2021/05/03	50	30 - 130	54	30 - 130	<0.50	ug/L	NC	40		
7327273	1-Chloronaphthalene	2021/05/03	55	30 - 130	59	30 - 130	<1.0	ug/L	NC	40		
7327273	1-Methylnaphthalene	2021/05/03	80	30 - 130	81	30 - 130	<0.20	ug/L	NC	40		
7327273	2,3,4,5-Tetrachlorophenol	2021/05/03	86	10 - 130	85	10 - 130	<0.40	ug/L	NC	40		
7327273	2,3,4,6-Tetrachlorophenol	2021/05/03	103	10 - 130	101	10 - 130	<0.50	ug/L	NC	40		
7327273	2,3,4-Trichlorophenol	2021/05/03	80	10 - 130	82	10 - 130	<0.50	ug/L	NC	40		
7327273	2,3,5,6-Tetrachlorophenol	2021/05/03	99	10 - 130	86	10 - 130	<0.50	ug/L	NC	40		
7327273	2,3,5-Trichlorophenol	2021/05/03	82	10 - 130	84	10 - 130	<0.50	ug/L	NC	40		
7327273	2,3,6-Trichlorophenol	2021/05/03	78	10 - 130	80	10 - 130	<0.50	ug/L	NC	40		
7327273	2,3-Dichlorophenol	2021/05/03	70	10 - 130	74	10 - 130	<0.50	ug/L	NC	40		
7327273	2,4,5-Trichlorophenol	2021/05/03	84	10 - 130	87	10 - 130	<0.50	ug/L	NC	40		
7327273	2,4,6-Trichlorophenol	2021/05/03	80	10 - 130	85	10 - 130	<0.50	ug/L	NC	40		
7327273	2,4-Dichlorophenol	2021/05/03	73	10 - 130	79	10 - 130	<0.30	ug/L	NC	40		
7327273	2,4-Dimethylphenol	2021/05/03	37	10 - 130	61	10 - 130	<0.50	ug/L	NC	40		
7327273	2,4-Dinitrophenol	2021/05/03	79	10 - 130	79	10 - 130	<2.0	ug/L	NC	40		
7327273	2,4-Dinitrotoluene	2021/05/03	99	30 - 130	99	30 - 130	<0.50	ug/L	NC	40		
7327273	2,5-Dichlorophenol	2021/05/03	74	10 - 130	75	10 - 130	<0.50	ug/L	NC	40		
7327273	2,6-Dichlorophenol	2021/05/03	80	10 - 130	82	10 - 130	<0.50	ug/L	NC	40		
7327273	2,6-Dinitrotoluene	2021/05/03	80	30 - 130	87	30 - 130	<0.50	ug/L	NC	40		
7327273	2-Chloronaphthalene	2021/05/03	71	30 - 130	75	30 - 130	<0.50	ug/L	NC	40		
7327273	2-Chlorophenol	2021/05/03	68	10 - 130	74	10 - 130	<0.30	ug/L	NC	40		
7327273	2-Methylnaphthalene	2021/05/03	74	30 - 130	75	30 - 130	<0.20	ug/L	NC	40		
7327273	2-Nitrophenol	2021/05/03	75	10 - 130	78	10 - 130	<0.50	ug/L	NC	40		
7327273	3,3'-Dichlorobenzidine	2021/05/03	17 (1)	30 - 130	90	30 - 130	<0.50	ug/L	NC	40		
7327273	3,4,5-Trichlorophenol	2021/05/03	85	10 - 130	89	10 - 130	<0.50	ug/L	NC	40		
7327273	3,4-Dichlorophenol	2021/05/03	87	10 - 130	88	10 - 130	<0.50	ug/L	NC	40		
7327273	3,5-Dichlorophenol	2021/05/03	99	10 - 130	101	10 - 130	<0.50	ug/L	NC	40		
7327273	4,6-Dinitro-2-methylphenol	2021/05/03	110	10 - 130	106	10 - 130	<2.0	ug/L	NC	40		
7327273	4-Bromophenyl phenyl ether	2021/05/03	76	30 - 130	79	30 - 130	<0.30	ug/L	NC	40		
7327273	4-Chloro-3-Methylphenol	2021/05/03	86	10 - 130	86	10 - 130	<0.50	ug/L	NC	40		
7327273	4-Chlorophenyl phenyl ether	2021/05/03	73	30 - 130	74	30 - 130	<0.50	ug/L	NC	40		



BUREAU  
VERITAS

BV Labs Job #: C1A9006  
Report Date: 2021/05/03

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7327273	4-Nitrophenol	2021/05/03	28	10 - 130	29	10 - 130	<1.4	ug/L	NC	40		
7327273	5-Nitroacenaphthene	2021/05/03	105	30 - 130	102	30 - 130	<1.0	ug/L	NC	40		
7327273	Acenaphthene	2021/05/03	80	30 - 130	84	30 - 130	<0.20	ug/L	NC	40		
7327273	Acenaphthylene	2021/05/03	77	30 - 130	81	30 - 130	<0.20	ug/L	NC	40		
7327273	Anthracene	2021/05/03	88	30 - 130	91	30 - 130	<0.20	ug/L	NC	40		
7327273	Benzo(a)anthracene	2021/05/03	102	30 - 130	103	30 - 130	<0.20	ug/L	NC	40		
7327273	Benzo(a)pyrene	2021/05/03	90	30 - 130	95	30 - 130	<0.20	ug/L	NC	40		
7327273	Benzo(b,j)fluoranthene	2021/05/03	102	30 - 130	101	30 - 130	<0.20	ug/L	NC	40		
7327273	Benzo(g,h,i)perylene	2021/05/03	102	30 - 130	98	30 - 130	<0.20	ug/L	NC	40		
7327273	Benzo(k)fluoranthene	2021/05/03	100	30 - 130	104	30 - 130	<0.20	ug/L	NC	40		
7327273	Benzyl butyl phthalate	2021/05/03	102	30 - 130	103	30 - 130	<0.50	ug/L	NC	40		
7327273	Biphenyl	2021/05/03	71	30 - 130	73	30 - 130	<0.50	ug/L	NC	40		
7327273	Bis(2-chloroethoxy)methane	2021/05/03	66	30 - 130	69	30 - 130	<0.50	ug/L	NC	40		
7327273	Bis(2-chloroethyl)ether	2021/05/03	71	30 - 130	75	30 - 130	<0.50	ug/L	NC	40		
7327273	Bis(2-chloroisopropyl)ether	2021/05/03	64	30 - 130	68	30 - 130	<0.50	ug/L	NC	40		
7327273	Bis(2-ethylhexyl)phthalate	2021/05/03	102	30 - 130	101	30 - 130	<2.0	ug/L	NC	40		
7327273	Chrysene	2021/05/03	108	30 - 130	112	30 - 130	<0.20	ug/L	NC	40		
7327273	Dibenzo(a,h)anthracene	2021/05/03	105	30 - 130	102	30 - 130	<0.20	ug/L	NC	40		
7327273	Diethyl phthalate	2021/05/03	90	30 - 130	91	30 - 130	<1.0	ug/L	NC	40		
7327273	Dimethyl phthalate	2021/05/03	85	30 - 130	85	30 - 130	<1.0	ug/L	NC	40		
7327273	Di-N-butyl phthalate	2021/05/03	103	30 - 130	100	30 - 130	<2.0	ug/L	NC	40		
7327273	di-n-octyl phthalate	2021/05/03	105	30 - 130	100	30 - 130	<0.80	ug/L	NC	40		
7327273	Diphenyl Ether	2021/05/03	58	30 - 130	58	30 - 130	<0.30	ug/L	NC	40		
7327273	Fluoranthene	2021/05/03	104	30 - 130	99	30 - 130	<0.20	ug/L	NC	40		
7327273	Fluorene	2021/05/03	86	30 - 130	89	30 - 130	<0.20	ug/L	NC	40		
7327273	Hexachlorobenzene	2021/05/03	82	30 - 130	86	30 - 130	<0.50	ug/L	NC	40		
7327273	Hexachlorobutadiene	2021/05/03	43	30 - 130	44	30 - 130	<0.40	ug/L	NC	40		
7327273	Hexachlorocyclopentadiene	2021/05/03	39	30 - 130	48	30 - 130	<2.0	ug/L	NC	40		
7327273	Hexachloroethane	2021/05/03	42	30 - 130	48	30 - 130	<0.50	ug/L	NC	40		
7327273	Indeno(1,2,3-cd)pyrene	2021/05/03	100	30 - 130	97	30 - 130	<0.20	ug/L	NC	40		
7327273	Isophorone	2021/05/03	84	30 - 130	97	30 - 130	<0.50	ug/L	NC	40		



BUREAU  
VERITAS

BV Labs Job #: C1A9006  
Report Date: 2021/05/03

### QUALITY ASSURANCE REPORT(CONT'D)

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
7327273	m/p-Cresol	2021/05/03	54	10 - 130	58	10 - 130	<0.50	ug/L	NC	40		
7327273	Naphthalene	2021/05/03	65	30 - 130	69	30 - 130	<0.20	ug/L	NC	40		
7327273	Nitrobenzene	2021/05/03	73	30 - 130	78	30 - 130	<0.50	ug/L	NC	40		
7327273	Nitrosodiphenylamine/Diphenylamine	2021/05/03	86	30 - 130	98	30 - 130	<1.0	ug/L	NC	40		
7327273	N-Nitroso-di-n-propylamine	2021/05/03	94	30 - 130	102	30 - 130	<0.50	ug/L	NC	40		
7327273	o-Cresol	2021/05/03	57	10 - 130	63	10 - 130	<0.50	ug/L	NC	40		
7327273	p-Chloroaniline	2021/05/03	53	30 - 130	103	30 - 130	<1.0	ug/L	NC	40		
7327273	Pentachlorobenzene	2021/05/03	64	30 - 130	67	30 - 130	<0.50	ug/L	NC	40		
7327273	Pentachlorophenol	2021/05/03	83	10 - 130	69	10 - 130	<1.0	ug/L	NC	40		
7327273	Perylene	2021/05/03	97	30 - 130	100	30 - 130	<0.20	ug/L	NC	40		
7327273	Phenanthrene	2021/05/03	92	30 - 130	95	30 - 130	<0.20	ug/L	NC	40		
7327273	Phenol	2021/05/03	24	10 - 130	26	10 - 130	<0.50	ug/L	NC	40		
7327273	Pyrene	2021/05/03	108	30 - 130	112	30 - 130	<0.20	ug/L	NC	40		

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.



BUREAU  
VERITAS

BV Labs Job #: C1A9006  
Report Date: 2021/05/03

Terrapure Environmental  
Client Project #: GW  
Sampler Initials: DT

### VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

*Eva Pranjić*

---

Ewa Pranjić, M.Sc., C.Chem, Scientific Specialist

---

BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.







