CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

DATA FOR

VOLATILE ORGANICS

SEMI-VOLATILE ORGANICS

METALS

GENERAL CHEMISTRY

PROJECT NAME : PURE EARTH RECYCLING SITE SE1853

KEMRON ENVIRONMENTAL SERVICES

1359-A Ellsworth Industrial Boulevard, NW

Atlanta, GA - 30318

Phone No: 404-636-0928

ORDER ID : E3252

ATTENTION : Janelle Murphy

ACCREDITED IN ACCORDANCE WITH nelac

DoD ELAP

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Date : 08/15/2013

Dear Janelle Murphy,

1 water samples for the **Pure Earth Recycling Site SE1853** project were received on **08/08/2013.** The analytical fax results for those samples requested for an expedited turn around time may be seen in this report. Please contact me if you have any questions or concerns regarding this report.

Regards,

Reginald St-Juste

908-728-3147

Reginald@chemtech.net

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.
QUOTE NO.
COC Number 030134

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Kemron Env. Services
ADDRESS: 1359 A. Ellsworth Ind Blvd
CITY: Atlanta STATE: GA ZIP: 30318
ATTENTION: Janelle Murphy
PHONE: 404-636-0928 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Pure Earth Recycling
PROJECT NO.: SF1853 LOCATION: Vineland, NJ
PROJECT MANAGER: Kevin Shaver
e-mail: Kshaver@kemron.com
PHONE: 404-242-6013 FAX:

CLIENT BILLING INFORMATION

BILL TO: Kemron PO#:
ADDRESS: 1359A Ellsworth Ind Blvd
CITY: Atlanta STATE: GA ZIP: 30318
ATTENTION: Laura Borden PHONE: 404-636-0928

DATA TURNAROUND INFORMATION

FAX: 5 DAYS *
HARD COPY: 21 DAYS *
EDD: 21 DAYS *
PREAPPROVED TAT: ☒ YES ☐ NO
* STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ LEVEL 1: Results only ☐ Others
☐ LEVEL 2: Results + QC
☐ LEVEL 3: Results (plus results raw data) + QC
☒ LEVEL 4: Results + QC (all raw data)
☐ EDD Format:

ANALYSIS

1 TCL Volatiles
2 TCL Semi Vols
3 TAL Metals
4 Reactive Sulfide
5 Reactive Cyanide
6
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9
1. 1	1452 W. Forest Grove	Water		X	8/5/13	1104	5	X	X	X	X	X				
2.																
3.																
4.																
5.																
6.																
7.																
8.																
9.																
10.																

COMMENTS

← Specify Preservatives
A – HCl B – HNO_3
C – H_2SO_4 D – NaOH
E – ICE F – Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Kathy Stagg	8/5/13	1. [signature] 8/5/13
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:
2. [signature]	8/7/13 11:00 AM	2.
RELINQUISHED BY: RS	DATE/TIME:	RECEIVED FOR LAB BY:
3. UPS Chemtech	8/8/13 1005	3. PS

Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant Cooler Temp. 6 °C
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:
Ice in Cooler?: Y

Page ____ of ____

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☒ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☒ YES ☐ NO

Revision 8/2007

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	KEMRON Environmental Services	Date Collected:	08/05/13
Project:	Pure Earth Recycling Site SE1853	Date Received:	08/08/13
Client Sample ID:	1452W-FOREST-GROVE	SDG No.:	E3252
Lab Sample ID:	E3252-01	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	185		1	5	10	20	ug/L	08/08/13	08/09/13	SW6020
7440-36-0	Antimony	1	U	1	0.14	1	2	ug/L	08/08/13	08/09/13	SW6020
7440-38-2	Arsenic	0.5	U	1	0.18	0.5	1	ug/L	08/08/13	08/09/13	SW6020
7440-39-3	Barium	177		1	0.1	5	10	ug/L	08/08/13	08/09/13	SW6020
7440-41-7	Beryllium	0.27	J	1	0.09	0.5	1	ug/L	08/08/13	08/09/13	SW6020
7440-43-9	Cadmium	0.16	J	1	0.13	0.5	1	ug/L	08/08/13	08/09/13	SW6020
7440-70-2	Calcium	6380		1	9.1	250	500	ug/L	08/08/13	08/09/13	SW6020
7440-47-3	Chromium	1.2	J	1	0.04	1	2	ug/L	08/08/13	08/09/13	SW6020
7440-48-4	Cobalt	4		1	0.05	0.5	1	ug/L	08/08/13	08/09/13	SW6020
7440-50-8	Copper	73.1		1	0.04	1	2	ug/L	08/08/13	08/09/13	SW6020
7439-89-6	Iron	486		1	10.3	25	50	ug/L	08/08/13	08/09/13	SW6020
7439-92-1	Lead	2.3		1	0.04	0.5	1	ug/L	08/08/13	08/09/13	SW6020
7439-95-4	Magnesium	3680		1	5	250	500	ug/L	08/08/13	08/09/13	SW6020
7439-96-5	Manganese	257		1	0.05	0.5	1	ug/L	08/08/13	08/09/13	SW6020
7439-97-6	Mercury	0.14	J	1	0.092	0.1	0.2	ug/L	08/08/13	08/09/13	SW7470A
7440-02-0	Nickel	3.5		1	0.06	0.5	1	ug/L	08/08/13	08/09/13	SW6020
7440-09-7	Potassium	1900		1	12.2	250	500	ug/L	08/08/13	08/09/13	SW6020
7782-49-2	Selenium	0.86	J	1	0.7	2.5	5	ug/L	08/08/13	08/09/13	SW6020
7440-22-4	Silver	0.039	J	1	0.03	0.5	1	ug/L	08/08/13	08/09/13	SW6020
7440-23-5	Sodium	37100		1	5.3	250	500	ug/L	08/08/13	08/09/13	SW6020
7440-28-0	Thallium	0.047	J*	1	0.02	0.5	1	ug/L	08/08/13	08/09/13	SW6020
7440-62-2	Vanadium	2.5	U	1	0.15	2.5	5	ug/L	08/08/13	08/09/13	SW6020
7440-66-6	Zinc	113		1	0.09	1	2	ug/L	08/08/13	08/09/13	SW6020

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	KEMRON Environmental Services	Date Collected:	08/05/13 11:04:00
Project:	Pure Earth Recycling Site SE1853	Date Received:	08/08/13
Client Sample ID:	1452W-FOREST-GROVE	SDG No.:	E3252
Lab Sample ID:	E3252-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Reactive Cyanide	0.005	U	1	0.005	0.005	0.005	mg/L	08/09/13	08/09/13 15:43	9012B
Reactive Sulfide	1	U	1	1	1	1	mg/L	08/09/13	08/09/13 11:20	9034

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	KEMRON Environmental Services	Date Collected:	08/05/13
Project:	Pure Earth Recycling Site SE1853	Date Received:	08/08/13
Client Sample ID:	1452W-FOREST-GROVE	SDG No.:	E3252
Lab Sample ID:	E3252-01	Matrix:	Water
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF064659.D	1	08/08/13	08/12/13	PB71596

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	1	U	0.79	1	10.2	ug/L
108-95-2	Phenol	1	U	0.21	1	10.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	1	U	0.56	1	10.2	ug/L
95-57-8	2-Chlorophenol	1	U	0.55	1	10.2	ug/L
95-48-7	2-Methylphenol	1	U	0.24	1	10.2	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1	U	0.17	1	10.2	ug/L
98-86-2	Acetophenone	1	U	0.14	1	10.2	ug/L
65794-96-9	3+4-Methylphenols	1	U	0.39	1	10.2	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1	U	0.2	1	10.2	ug/L
67-72-1	Hexachloroethane	1	U	0.26	1	10.2	ug/L
98-95-3	Nitrobenzene	1	U	0.69	1	10.2	ug/L
78-59-1	Isophorone	1	U	0.31	1	10.2	ug/L
88-75-5	2-Nitrophenol	1	UQ	0.53	1	10.2	ug/L
105-67-9	2,4-Dimethylphenol	1	U	0.72	1	10.2	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1	U	0.56	1	10.2	ug/L
120-83-2	2,4-Dichlorophenol	1	U	0.67	1	10.2	ug/L
91-20-3	Naphthalene	1	U	0.12	1	10.2	ug/L
106-47-8	4-Chloroaniline	1	U	1	1	10.2	ug/L
87-68-3	Hexachlorobutadiene	1	U	0.26	1	10.2	ug/L
105-60-2	Caprolactam	1	U	1	1	10.2	ug/L
59-50-7	4-Chloro-3-methylphenol	1	U	0.41	1	10.2	ug/L
91-57-6	2-Methylnaphthalene	1	U	0.33	1	10.2	ug/L
77-47-4	Hexachlorocyclopentadiene	1	UQ	0.24	1	10.2	ug/L
88-06-2	2,4,6-Trichlorophenol	1	U	0.57	1	10.2	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	0.41	1	10.2	ug/L
92-52-4	1,1-Biphenyl	1	U	0.15	1	10.2	ug/L
91-58-7	2-Chloronaphthalene	1	U	0.16	1	10.2	ug/L
88-74-4	2-Nitroaniline	1	UQ	0.5	1	10.2	ug/L
131-11-3	Dimethylphthalate	1	U	0.22	1	10.2	ug/L
208-96-8	Acenaphthylene	1	U	0.71	1	10.2	ug/L
606-20-2	2,6-Dinitrotoluene	1	U	0.33	1	10.2	ug/L

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	KEMRON Environmental Services	Date Collected:	08/05/13
Project:	Pure Earth Recycling Site SE1853	Date Received:	08/08/13
Client Sample ID:	1452W-FOREST-GROVE	SDG No.:	E3252
Lab Sample ID:	E3252-01	Matrix:	Water
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF064659.D	1	08/08/13	08/12/13	PB71596

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	1	U	1	1	10.2	ug/L
83-32-9	Acenaphthene	1	U	0.21	1	10.2	ug/L
51-28-5	2,4-Dinitrophenol	8.2	U	2.1	8.2	10.2	ug/L
100-02-7	4-Nitrophenol	5.1	U	2	5.1	10.2	ug/L
132-64-9	Dibenzofuran	1	U	0.24	1	10.2	ug/L
121-14-2	2,4-Dinitrotoluene	1	U	1	1	10.2	ug/L
84-66-2	Diethylphthalate	1	U	0.39	1	10.2	ug/L
7005-72-3	4-Chlorophenyl-phenylether	1	U	0.21	1	10.2	ug/L
86-73-7	Fluorene	1	U	0.32	1	10.2	ug/L
100-01-6	4-Nitroaniline	2	U	1.4	2	10.2	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2	U	0.76	2	10.2	ug/L
86-30-6	n-Nitrosodiphenylamine	1	U	0.61	1	10.2	ug/L
101-55-3	4-Bromophenyl-phenylether	1	U	0.23	1	10.2	ug/L
118-74-1	Hexachlorobenzene	1	U	0.18	1	10.2	ug/L
1912-24-9	Atrazine	1	U	0.41	1	10.2	ug/L
87-86-5	Pentachlorophenol	1	U	1	1	10.2	ug/L
85-01-8	Phenanthrene	1	U	0.27	1	10.2	ug/L
120-12-7	Anthracene	1	U	0.16	1	10.2	ug/L
86-74-8	Carbazole	1	U	0.22	1	10.2	ug/L
84-74-2	Di-n-butylphthalate	1	U	1	1	10.2	ug/L
206-44-0	Fluoranthene	1	U	0.41	1	10.2	ug/L
129-00-0	Pyrene	1	U	0.2	1	10.2	ug/L
85-68-7	Butylbenzylphthalate	1	U	0.19	1	10.2	ug/L
91-94-1	3,3-Dichlorobenzidine	1	U	1	1	10.2	ug/L
56-55-3	Benzo(a)anthracene	1	U	0.16	1	10.2	ug/L
218-01-9	Chrysene	1	U	0.18	1	10.2	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1	U	0.16	1	10.2	ug/L
117-84-0	Di-n-octyl phthalate	1	U	0.52	1	10.2	ug/L
205-99-2	Benzo(b)fluoranthene	1	UQ	0.3	1	10.2	ug/L
207-08-9	Benzo(k)fluoranthene	1	U	0.18	1	10.2	ug/L
50-32-8	Benzo(a)pyrene	1	U	0.14	1	10.2	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	0.15	1	10.2	ug/L
53-70-3	Dibenzo(a,h)anthracene	1	U	0.43	1	10.2	ug/L

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Report of Analysis

Client:	KEMRON Environmental Services	Date Collected:	08/05/13
Project:	Pure Earth Recycling Site SE1853	Date Received:	08/08/13
Client Sample ID:	1452W-FOREST-GROVE	SDG No.:	E3252
Lab Sample ID:	E3252-01	Matrix:	Water
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF064659.D	1	08/08/13	08/12/13	PB71596

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	1	U	0.3	1	10.2	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1	U	0.2	1	10.2	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1	U	0.2	1	10.2	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	77		10 - 130		51%	SPK: 150
13127-88-3	Phenol-d6	44.4		10 - 130		30%	SPK: 150
4165-60-0	Nitrobenzene-d5	100		36 - 131		103%	SPK: 100
321-60-8	2-Fluorobiphenyl	160	*	39 - 131		157%	SPK: 100
118-79-6	2,4,6-Tribromophenol	170		25 - 155		114%	SPK: 150
1718-51-0	Terphenyl-d14	90.4		23 - 130		90%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	224823	5.73				
1146-65-2	Naphthalene-d8	998570	6.97				
15067-26-2	Acenaphthene-d10	491161	8.69				
1517-22-2	Phenanthrene-d10	892263	10.17				
1719-03-5	Chrysene-d12	839431	12.77				
1520-96-3	Perylene-d12	779010	14.09				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	KEMRON Environmental Services	Date Collected:	08/05/13
Project:	Pure Earth Recycling Site SE1853	Date Received:	08/08/13
Client Sample ID:	1452W-FOREST-GROVE	SDG No.:	E3252
Lab Sample ID:	E3252-01	Matrix:	Water
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN007750.D	1		08/09/13	VN080913

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.5	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	0.5	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	0.5	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	0.5	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	0.5	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	0.5	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.5	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	0.5	U	0.47	0.5	1	ug/L
67-64-1	Acetone	2.5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	1.9		0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	0.5	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	0.5	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	0.5	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	0.5	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	0.5	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	0.5	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	2.5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	0.5	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	0.5	U	0.35	0.5	1	ug/L
74-97-5	Bromochloromethane	0.5	UQ	0.2	0.5	1	ug/L
67-66-3	Chloroform	0.5	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	0.5	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	0.5	U	0.2	0.5	1	ug/L
71-43-2	Benzene	0.5	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	0.5	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	0.5	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	0.5	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	0.5	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	2.5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	0.5	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	0.5	U	0.29	0.5	1	ug/L

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Report of Analysis

Client:	KEMRON Environmental Services	Date Collected:	08/05/13
Project:	Pure Earth Recycling Site SE1853	Date Received:	08/08/13
Client Sample ID:	1452W-FOREST-GROVE	SDG No.:	E3252
Lab Sample ID:	E3252-01	Matrix:	Water
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN007750.D	1		08/09/13	VN080913

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.5	U	0.31	0.5	1	ug/L
79-00-5	1,1,2-Trichloroethane	0.5	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	2.5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	0.5	U	0.2	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	0.5	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	0.5	U	0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	0.5	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	0.5	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	1	U	0.95	1	2	ug/L
95-47-6	o-Xylene	0.5	U	0.43	0.5	1	ug/L
100-42-5	Styrene	0.5	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	0.5	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	0.5	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	0.5	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	0.5	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	0.5	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.5	U	0.2	0.5	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.5	U	0.2	0.5	1	ug/L
123-91-1	1,4-Dioxane	100	U	100	100	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	46		61 - 141		92%	SPK: 50
1868-53-7	Dibromofluoromethane	46.5		69 - 133		93%	SPK: 50
2037-26-5	Toluene-d8	47.3		65 - 126		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.1		58 - 135		90%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	783070	7.87				
540-36-3	1,4-Difluorobenzene	1143380	8.79				
3114-55-4	Chlorobenzene-d5	999748	11.61				
3855-82-1	1,4-Dichlorobenzene-d4	467099	13.56				

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Report of Analysis

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VN007750.D	1		08/09/13	VN080913

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution