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May 31, 2018

Albert Giannino

Director of Leasing
Pioneer Companies
333 West Washington Street, Suite 600
Syracuse, NY, 13202

RE: Midler Crossing – Lot 7 Sampling Results
FILE: 4293/68868

Dear Al:

This letter serves to describe the observations and analytical results associated with the Lot 7 stockpile material sampling conducted by O'Brien & Gere Engineers, Inc. (OBG) on April 20, 2018 at the Midler Crossing property located off Midler Avenue in the City of Syracuse. The sampling was performed in accordance with OBG's proposal dated January 12, 2018.

SAMPLING METHODS

The Site Management Plan (SMP) for the site states that one composite and one duplicate sample will be collected for 2,000 cubic yards of stockpiled material (assuming the material does not exhibit visual evidence of contamination). Based on measurements of the stockpiled material on Lot 7, the estimated volume is 1,700 cubic yards. As discussed below, two samples, rather than one, were collected to more conservatively represent the material quality in the stockpile.

To characterize the stockpiled material for off-site disposal options, four borings were advanced through the full stockpile thickness (estimated at 6 feet thick), one in the northeast (NE), southeast (SE), southwest (SW), and northwest (NW) quadrants of the stockpile. The attached **Figure 1** presents the sample locations. OBG subcontracted Parratt-Wolff, Inc. to provide the boring services. The borings were advanced using direct-push drilling methods. The direct-push drill rig was positioned atop the stockpile. Samples were collected from the full thickness of the stockpile using 4-ft long Macro-Core® samplers. Upon retrieval, the samples were screened using a photoionization detector (PID) to evaluate the potential presence of volatile organic compounds (VOCs) and bulk VOC concentrations.

For waste characterization purposes, material was collected from the NW and SW quadrants and composited into one sample, identified as NW-SW-Berm-042018. Likewise, material was collected from the NE and SE quadrants and composited into one sample identified as NE-SE-Berm-042018. In addition, one grab sample from the east and west quadrants was also collected for the volatile organic compound (VOC) samples. One blind duplicate sample, identified as X-1-042018, was collected for quality assurance/quality control (QA/QC) purposes. The samples were analyzed by Test America for the following waste characteristics:

- Toxicity Characteristic Leaching Procedure (TCLP) VOCs



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- TCLP semivolatile organic compounds (SVOCs)
- TCLP metals
- Reactivity
- Ignitability
- Corrosivity
- Paint filter

To evaluate potential on-site reuse options, two discrete samples were collected from the eastern and western halves of the stockpile and identified as E-Berm-042018 and W-Berm-042018. These samples were analyzed by Test America for the following:

- Target Compound List (TCL) VOCs
- TCL SVOCs
- Target Analyte List (TAL) metals, including mercury
- TCL polychlorinated biphenyls (PCBs)
- TCL pesticides

RESULTS

Field Observations

Based on visual observations of the samples collected from the Lot #7 soil pile, the material consists of brownish gray, damp, silt with some fine-grained sand and little gravel, brick fragments, and cinders. No visual or olfactory impacted material was observed in the samples collected. PID readings were non-detect.

Analytical Results

Waste characterization analytical data is provided on the attached **Table 1**. These data are compared to 6 NYCRR Part 371 maximum concentration of contaminants for toxicity characteristics. TCLP VOCs, TCLP SVOCs and TCLP Metals concentrations did not exceed maximum contaminant concentrations (40 CFR 261). Corrosivity, ignitability, and reactivity were also below limits that would result in the material being classified as hazardous waste.

As shown on the attached **Table 2**, to assess potential reuse, total organic and inorganic compound concentrations were compared to 6 NYCRR Part 375 Unrestricted Soil Cleanup Objectives (SCOs), Commercial SCOs, Protection of Groundwater SCOs, and NYSDEC Commissioner's Policy 51 (CP-51) Commercial SCOs. PCBs and pesticides were not detected in the samples. Comparison of the detected concentrations to the comparison criteria indicates the following:

VOCs

- Methylene chloride and tetrachloroethene were each detected in the E-Berm-042018 and W-Berm-042018 samples. Trichloroethene was detected in the duplicate sample X-2-042018. Concentrations of these detected constituents were well below the comparison criteria.

Metals

- The mercury concentration in sample E-Berm-042018 was 0.39 mg/Kg, which exceeded the Unrestricted SCO of 0.18 mg/Kg, but less than the Commercial and Protection of Groundwater SCOs of 2.8 mg/Kg and 0.73 mg/Kg, respectively.

SVOCs

- Benzo(a)pyrene was detected in the W-Berm-042018 and X-2-042018 samples at concentrations of 3,300 µg/Kg and 2,000 µg/Kg respectively, which exceeded the Part 375 Unrestricted and Commercial, and CP-51 Commercial SCOs of 1,000 µg/Kg.
- Concentrations of benzo(a)anthracene, benzo(b)fluoranthene, and chrysene were detected in the W-Berm-042018 sample and its duplicate sample X-2-042018 exceeding the Unrestricted SCO, Protection of Groundwater SCO and CP-51 Commercial SCO.
- Indeno(1,2,3-cd)pyrene was detected in the W-Berm-042018 and X-2-042018 samples at estimated concentrations of 1,900 µg/Kg and 1,200 µg/Kg respectively, which exceeded the Unrestricted SCOS and CP-51 Commercial SCO criteria of 500 µg/Kg.

DISPOSAL OPTIONS

In accordance with the SMP, the Lot 7 stockpile material could be re-used as backfill on-site since observations made during the stockpile sampling did not indicate visual or olfactory evidence of contamination. However, this material must be placed beneath a cover system component as described in the SMP. If the Lot #7 stockpile is to be disposed of off-site, this material must be transported and disposed to a facility permitted to accept non-hazardous waste in accordance with local, state, and federal regulations.

Thank you for the opportunity to provide Pioneer Companies with assistance with the Midler Avenue Project. Please don't hesitate to contact me with any questions you may have.

Very truly yours,

O'BRIEN & GERE ENGINEERS



Steve Mooney
Project Manager

Attachments

cc: Dave Carnevale – OBG

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PIONEER COMPANIES
MIDLER CROSSING
SYRACUSE, NEW YORK

LOT 7 MATERIAL PILE
BORING LOCATIONS



4293/68868
MAY 2018

APPROXIMATELY 40 FEET



O'BRIEN & GERE ENGINEERS, INC.

Table 1: Hazardous Characteristics

	CAS #	Units	TCLP Limits 40 CFR Part 261	NE-SE-BERM-042018	NW-SW-BERM-042018	X-1-042018*
TCLP Volatile Organic Compounds						
Trichloroethene	79-01-6	mg/L	0.5	<0.010	<0.010	<0.010
1,2-Dichloroethane	107-06-2	mg/L	0.5	<0.010	<0.010	<0.010
1,1-Dichloroethene	75-35-4	mg/L	0.7	<0.010	<0.010	<0.010
Vinyl chloride	75-01-4	mg/L	0.2	<0.010	<0.010	<0.010
Benzene	71-43-2	mg/L	0.5	<0.010	<0.010	<0.010
2-Butanone (MEK)	78-93-3	mg/L	200	<0.050	<0.050	<0.050
Chlorobenzene	108-90-7	mg/L	100	<0.010	<0.010	<0.010
Carbon tetrachloride	56-23-5	mg/L	0.5	<0.010	<0.010	<0.010
Chloroform	67-66-3	mg/L	6	<0.010	<0.010	<0.010
Tetrachloroethene	127-18-4	mg/L	0.7	<0.010	0.0057 J	0.0071 J
TCLP Semivolatile Organic Compounds						
2-Methylphenol	95-48-7	mg/L	200	<0.0050	<0.0050	<0.0050
4-Methylphenol	106-44-5	mg/L	200	<0.010	<0.010	<0.010
Pyridine	110-86-1	mg/L	5	<0.025	<0.025	<0.025
Hexachlorobenzene	118-74-1	mg/L	0.13	<0.0050	<0.0050	<0.0050
3-Methylphenol	108-39-4	mg/L	200	<0.010	<0.010	<0.010
2,4-Dinitrotoluene	121-14-2	mg/L	0.13	<0.0050	<0.0050	<0.0050
2,4,6-Trichlorophenol	88-06-2	mg/L	2	<0.0050	<0.0050	<0.0050
Hexachlorobutadiene	87-68-3	mg/L	0.5	<0.0050	<0.0050	<0.0050
1,4-Dichlorobenzene	106-46-7	mg/L	7.5	<0.010	<0.010	<0.010
Pentachlorophenol	87-86-5	mg/L	100	<0.010	<0.010	<0.010
2,4,5-Trichlorophenol	95-95-4	mg/L	400	<0.0050	<0.0050	<0.0050
Nitrobenzene	98-95-3	mg/L	2	<0.0050	<0.0050	<0.0050
Hexachloroethane	67-72-1	mg/L	3	<0.0050	<0.0050	<0.0050
TCLP Metals						
Lead	7439-92-1	mg/L	5	0.037	<0.020	<0.020
Arsenic	7440-38-2	mg/L	5	<0.015	<0.015	<0.015
Chromium	7440-47-3	mg/L	5	<0.020	<0.020	<0.020
Cadmium	7440-43-9	mg/L	1	0.0035	0.0022	0.0022
Barium	7440-39-3	mg/L	100	0.46 J	0.40 J	0.35 J
Selenium	7782-49-2	mg/L	1	<0.025	<0.025	<0.025
Silver	7440-22-4	mg/L	5	<0.0060	<0.0060	<0.0060
Mercury	7439-97-6	mg/L	0.2	<0.00020	<0.00020	<0.00020
General Chemistry						
Free Liquid	NA	mL/100g	NA	Passed	Passed	Passed
Cyanide, Reactive	NA	mg/Kg	NA	<9.9	<9.9	<9.9
Sulfide, Reactive	NA	mg/Kg	NA	<9.9	<9.9	<9.9
Flashpoint	NA	Degrees F	<140	>180	>180	>180
pH	NA	SU	≤2 or ≥12.5	10.5 HF	8.7 HF	9.1 HF
Temperature	NA	Degrees C	NA	25.5 HF	19.8 HF	20.1 HF

Notes:

J - Result is less than the RL but greater than or equal to the MDL and the concentration is approximate

HF - Analyzed outside of holding time.

* Parent sample is NW-SW-BERM-042018

Table 2: Organic and Inorganic Compounds

	CAS #	Units	Part 375-6.8 Unrestricted Use SCO	Part 375-6.8 Commercial SCO	Part 375-6.8 Protection of GW	CP-51 Commercial SCO	E-BERM-042018	W-BERM-042018	X-2-042018*
TCL Volatile Organic Compounds									
1,1,1-Trichloroethane	71-55-6	ug/Kg	680	500,000	680	NC	<5.4	<5.7	<5.6
1,1,2,2-Tetrachloroethane	79-34-5	ug/Kg	NC	NC	NC	NC	<5.4	<5.7	<5.6
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ug/Kg	NC	NC	NC	NC	<5.4	<5.7	<5.6
1,1,2-Trichloroethane	79-00-5	ug/Kg	NC	NC	NC	NC	<5.4	<5.7	<5.6
1,1-Dichloroethane	75-34-3	ug/Kg	270	240,000	270	NC	<5.4	<5.7	<5.6
1,1-Dichloroethene	75-35-4	ug/Kg	330	500,000	330	NC	<5.4	<5.7	<5.6
1,2,4-Trichlorobenzene	120-82-1	ug/Kg	NC	NC	NC	NC	<5.4	<5.7	<5.6
1,2-Dibromo-3-Chloropropane	96-12-8	ug/Kg	NC	NC	NC	NC	<5.4	<5.7	<5.6
1,2-Dibromoethane	106-93-4	ug/Kg	NC	NC	NC	NC	<5.4	<5.7	<5.6
1,2-Dichlorobenzene	95-50-1	ug/Kg	1,100	500,000	1,100	NC	<5.4	<5.7	<5.6
1,2-Dichloroethane	107-06-2	ug/Kg	20	30,000	20	NC	<5.4	<5.7	<5.6
1,2-Dichloropropane	78-87-5	ug/Kg	NC	NC	NC	NC	<5.4	<5.7	<5.6
1,3-Dichlorobenzene	541-73-1	ug/Kg	2,400	280,000	2,400	NC	<5.4	<5.7	<5.6
1,4-Dichlorobenzene	106-46-7	ug/Kg	1,800	130,000	1,800	NC	<5.4	<5.7	<5.6
2-Butanone (MEK)	78-93-3	ug/Kg	120	500,000	120	NC	<27	<29	<28
2-Hexanone	591-78-6	ug/Kg	NC	NC	NC	NC	<27	<29	<28
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/Kg	NC	NC	NC	NC	<27	<29	<28
Acetone	67-64-1	ug/Kg	50	500,000	50	NC	<27	<29	<28
Benzene	71-43-2	ug/Kg	60	44,000	60	60	<5.4	<5.7	<5.6
Bromodichloromethane	75-27-4	ug/Kg	NC	NC	NC	NC	<5.4	<5.7	<5.6
Bromoform	75-25-2	ug/Kg	NC	NC	NC	NC	<5.4	<5.7	<5.6
Bromomethane	74-83-9	ug/Kg	NC	NC	NC	NC	<5.4	<5.7	<5.6
Carbon disulfide	75-15-0	ug/Kg	NC	NC	NC	NC	<5.4	<5.7	<5.6
Carbon tetrachloride	56-23-5	ug/Kg	760	22,000	760	NC	<5.4	<5.7	<5.6
Chlorobenzene	108-90-7	ug/Kg	1,100	500,000	1,100	NC	<5.4	<5.7	<5.6
Chloroethane	75-00-3	ug/Kg	NC	NC	NC	NC	<5.4	<5.7	<5.6
Chloroform	67-66-3	ug/Kg	370	350,000	370	NC	<5.4	<5.7	<5.6
Chloromethane	74-87-3	ug/Kg	NC	NC	NC	NC	<5.4	<5.7	<5.6
cis-1,2-Dichloroethene	156-59-2	ug/Kg	250	500,000	250	NC	<5.4	<5.7	<5.6
cis-1,3-Dichloropropene	10061-01-5	ug/Kg	NC	NC	NC	NC	<5.4	<5.7	<5.6
Cyclohexane	110-82-7	ug/Kg	NC	NC	NC	NC	<5.4	<5.7	<5.6
Dibromochloromethane	124-48-1	ug/Kg	NC	NC	NC	NC	<5.4	<5.7	<5.6
Dichlorodifluoromethane	75-71-8	ug/Kg	NC	NC	NC	NC	<5.4	<5.7	<5.6
Ethylbenzene	100-41-4	ug/Kg	1,000	390,000	1,000	1,000	<5.4	<5.7	<5.6
Isopropylbenzene	98-82-8	ug/Kg	NC	NC	NC	2,300	<5.4	<5.7	<5.6
Methyl acetate	79-20-9	ug/Kg	NC	NC	NC	NC	<27	<29	<28
Methyl tert-butyl ether	1634-04-4	ug/Kg	930	500,000	930	930	<5.4	<5.7	<5.6
Methylcyclohexane	108-87-2	ug/Kg	NC	NC	NC	NC	<5.4	<5.7	<5.6
Methylene Chloride	75-09-2	ug/Kg	50	500,000	50	NC	5.2 J	7.4	6.5
Styrene	100-42-5	ug/Kg	NC	NC	NC	NC	<5.4	<5.7	<5.6
Tetrachloroethene	127-18-4	ug/Kg	1,300	150,000	1,300	NC	<5.4	2.3 J	7.4
Toluene	108-88-3	ug/Kg	700	500,000	700	700	<5.4	<5.7	<5.6
trans-1,2-Dichloroethene	156-60-5	ug/Kg	190	500,000	190	NC	<5.4	<5.7	<5.6
trans-1,3-Dichloropropene	10061-02-6	ug/Kg	NC	NC	NC	NC	<5.4	<5.7	<5.6
Trichloroethene	79-01-6	ug/Kg	470	200,000	470	NC	<5.4	<5.7	1.5
Trichlorofluoromethane	75-69-4	ug/Kg	NC	NC	NC	NC	<5.4	<5.7	<5.6
Vinyl chloride	75-01-4	ug/Kg	20	13,000	20	NC	<5.4	<5.7	<5.6
Xylenes, Total	1330-20-7	ug/Kg	260	500,000	1,600	260	<11	<11	<11

Table 2: Organic and Inorganic Compounds

	CAS #	Units	Part 375-6.8 Unrestricted Use SCO	Part 375-6.8 Commercial SCO	Part 375-6.8 Protection of GW	CP-51 Commercial SCO	E-BERM-042018	W-BERM-042018	X-2-042018*
TCL Semivolatile Organic Compounds									
2,4,5-Trichlorophenol	95-95-4	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
2,4,6-Trichlorophenol	88-06-2	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
2,4-Dichlorophenol	120-83-2	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
2,4-Dimethylphenol	105-67-9	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
2,4-Dinitrophenol	51-28-5	ug/Kg	NC	NC	NC	NC	<38000	<19000	<19000
2,4-Dinitrotoluene	121-14-2	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
2,6-Dinitrotoluene	606-20-2	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
2-Chloronaphthalene	91-58-7	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
2-Chlorophenol	95-57-8	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
2-Methylnaphthalene	91-57-6	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
2-Methylphenol	95-48-7	ug/Kg	330	500,000	330	NC	<3800	<2000	<2000
2-Nitroaniline	88-74-4	ug/Kg	NC	NC	NC	NC	<7500	<3800	<3900
2-Nitrophenol	88-75-5	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
3,3'-Dichlorobenzidine	91-94-1	ug/Kg	NC	NC	NC	NC	<7500	<3800	<3900
3-Nitroaniline	99-09-2	ug/Kg	NC	NC	NC	NC	<7500	<3800	<3900
4,6-Dinitro-2-methylphenol	534-52-1	ug/Kg	NC	NC	NC	NC	<7500	<3800	<3900
4-Bromophenyl phenyl ether	101-55-3	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
4-Chloro-3-methylphenol	59-50-7	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
4-Chloroaniline	106-47-8	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
4-Chlorophenyl phenyl ether	7005-72-3	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
4-Methylphenol	106-44-5	ug/Kg	330	500,000	330	NC	<7500	<3800	<3900
4-Nitroaniline	100-01-6	ug/Kg	NC	NC	NC	NC	<7500	<3800	<3900
4-Nitrophenol	100-02-7	ug/Kg	NC	NC	NC	NC	<7500	<3800	<3900
Acenaphthene	83-32-9	ug/Kg	20,000	500,000	98,000	20,000	<3800	540 J	<2000
Acenaphthylene	208-96-8	ug/Kg	100,000	500,000	107,000	100,000	<3800	300 J	<2000
Acetophenone	98-86-2	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
Anthracene	120-12-7	ug/Kg	100,000	500,000	1,000,000	100,000	<3800	1,300 J	600 J
Atrazine	1912-24-9	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
Benzaldehyde	100-52-7	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
Benzo[a]anthracene	56-55-3	ug/Kg	1,000	5,600	1,000	1,000	560 J	3800^{1,3,4}	2000^{1,3,4}
Benzo[a]pyrene	50-32-8	ug/Kg	1,000	1,000	22,000	1,000	800 J	3300^{1,3,4}	2000^{1,3,4}
Benzo[b]fluoranthene	205-99-2	ug/Kg	1,000	5,600	1,700	1,000	1,100 J	4300^{1,3,4}	2400^{1,3,4}
Benzo[g,h,i]perylene	191-24-2	ug/Kg	100,000	500,000	1,000,000	100,000	490 J	1,800 J	1,200 J
Benzo[k]fluoranthene	207-08-9	ug/Kg	800	56,000	1,700	800	<3800	1,600 J	1,400 J
Biphenyl	92-52-4	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
bis (2-chloroisopropyl) ether	108-60-1	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
Bis(2-chloroethoxy)methane	111-91-1	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
Bis(2-chloroethyl)ether	111-44-4	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
Bis(2-ethylhexyl) phthalate	117-81-7	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
Butyl benzyl phthalate	85-68-7	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
Caprolactam	105-60-2	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
Carbazole	86-74-8	ug/Kg	NC	NC	NC	NC	<3800	600 J	230 J
Chrysene	218-01-9	ug/Kg	1,000	56,000	1,000	1,000	<3800	3500^{1,3,4}	2200^{1,3,4}
Dibenz[a,h]anthracene	53-70-3	ug/Kg	330	560	1,000,000	330	<3800	<2000	<2000
Dibenzofuran	132-64-9	ug/Kg	NC	NC	NC	NC	<3800	400 J	<2000
Diethyl phthalate	84-66-2	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
Dimethyl phthalate	131-11-3	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
Di-n-butyl phthalate	84-74-2	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
Di-n-octyl phthalate	117-84-0	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
Fluoranthene	206-44-0	ug/Kg	100,000	500,000	1,000,000	100,000	1,400 J	7,700	4,200
Fluorene	86-73-7	ug/Kg	30,000	500,000	386,000	30,000	<3800	700 J	<2000
Hexachlorobenzene	118-74-1	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
Hexachlorobutadiene	87-68-3	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
Hexachlorocyclopentadiene	77-47-4	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
Hexachloroethane	67-72-1	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
Indeno[1,2,3-cd]pyrene	193-39-5	ug/Kg	500	5,600	8,200	500	<3800	1,900 J^{1,4}	1,200 J^{1,4}
Isophorone	78-59-1	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
Naphthalene	91-20-3	ug/Kg	12,000	500,000	12,000	12,000	<3800	740 J	<2000
Nitrobenzene	98-95-3	ug/Kg	NC	NC	NC	69000	<3800	<2000	<2000
N-Nitrosodi-n-propylamine	621-64-7	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
N-Nitrosodiphenylamine	86-30-6	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
Pentachlorophenol	87-86-5	ug/Kg	800	6,700	800	NC	<7500	<3800	<3900
Phenanthrene	85-01-8	ug/Kg	100,000	500,000	1,000,000	100,000	<3800	5,500	2,200
Phenol	108-95-2	ug/Kg	330	500,000	330	NC	<3800	<2000	<2000
Pyrene	129-00-0	ug/Kg	100,000	500,000	1,000,000	100,000	990 J	6,300	3,600

Table 2: Organic and Inorganic Compounds

	CAS #	Units	Part 375-6.8 Unrestricted Use SCO	Part 375-6.8 Commercial SCO	Part 375-6.8 Protection of GW	CP-51 Commercial SCO	E-BERM-042018	W-BERM-042018	X-2-042018*
TAL Metals									
Aluminum	7429-90-5	mg/Kg	NC	NC	NC	NC	8,520	6720	6,760
Antimony	7440-36-0	mg/Kg	NC	NC	NC	NC	<16.6	<18.1	<17.4
Arsenic	7440-38-2	mg/Kg	13	16	16	NC	4.9	5.1	5.0
Barium	7440-39-3	mg/Kg	350	400	820	NC	54.2	80.7	72.9
Beryllium	7440-41-7	mg/Kg	7.2	590	47	NC	0.39	0.33	0.34
Cadmium	7440-43-9	mg/Kg	2.5	9.3	7.5	NC	0.14 J	0.29	0.29
Calcium	7440-70-2	mg/Kg	NC	NC	NC	NC	128,000 B	98,100 B	128,000 B
Chromium	7440-47-3	mg/Kg	30	1,500	NC	NC	18 B	14.9 B	13.2 B
Cobalt	7440-48-4	mg/Kg	NC	NC	NC	NC	4.9	4.8	3.7
Copper	7440-50-8	mg/Kg	50	270	1,720	NC	60.7	37.4	42.6
Iron	7439-89-6	mg/Kg	NC	NC	NC	NC	15,700 B	17,300 B	16,200 B
Lead	7439-92-1	mg/Kg	63	1,000	450	NC	85.7	38.7	38.7
Magnesium	7439-95-4	mg/Kg	NC	NC	NC	NC	14,900	13,500	7,790
Manganese	7439-96-5	mg/Kg	1,600	10,000	2,000	NC	369	287	323
Mercury	7439-97-6	mg/Kg	0.18	2.8	0.73	NC	0.39 ¹	0.056	0.062
Nickel	7440-02-0	mg/Kg	30	310	130	NC	14.6	13.5	14.1
Potassium	7440-09-7	mg/Kg	NC	NC	NC	NC	3,160	1,630	1,900
Selenium	7782-49-2	mg/Kg	3.9	1,500	4	NC	<4.4	<4.8	<4.6
Silver	7440-22-4	mg/Kg	2	1,500	8.3	NC	<0.66	<0.73	<0.70
Sodium	7440-23-5	mg/Kg	NC	NC	NC	NC	189	190	196
Thallium	7440-28-0	mg/Kg	NC	NC	NC	NC	<6.6	<7.3	<7.0
Vanadium	7440-62-2	mg/Kg	NC	NC	NC	NC	34.1	22.0	21.8
Zinc	7440-66-6	mg/Kg	109	10,000	2,480	NC	56.5	102	99.9
TCL Organochlorine Pesticides									
4,4'-DDD	72-54-8	ug/Kg	3.3	92,000	14,000	NC	<93	<98	<96
4,4'-DDE	72-55-9	ug/Kg	3.3	62,000	17,000	NC	<93	<98	<96
4,4'-DDT	50-29-3	ug/Kg	3.3	47,000	136,000	NC	<93	<98	<96
Aldrin	309-00-2	ug/Kg	5	680	190	NC	<93	<98	<96
alpha-BHC	319-84-6	ug/Kg	20	3,400	20	NC	<93	<98	<96
beta-BHC	319-85-7	ug/Kg	36	3,000	90	NC	<93	<98	<96
cis-Chlordane	5103-71-9	ug/Kg	94	24,000	2,900	NC	<93	<98	<96
delta-BHC	319-86-8	ug/Kg	40	500,000	250	NC	<93	<98	<96
Dieldrin	60-57-1	ug/Kg	5	1,400	100	NC	<93	<98	<96
Endosulfan I	959-98-8	ug/Kg	2,400	200,000	102,000	NC	<93	<98	<96
Endosulfan II	33213-65-9	ug/Kg	2,400	200,000	102,000	NC	<93	<98	<96
Endosulfan sulfate	1031-07-8	ug/Kg	2,400	200,000	1,000,000	NC	<93	<98	<96
Endrin	72-20-8	ug/Kg	14	89,000	60	NC	<93	<98	<96
Endrin aldehyde	7421-93-4	ug/Kg	NC	NC	NC	NC	<93	<98	<96
Endrin ketone	53494-70-5	ug/Kg	NC	NC	NC	NC	<93	<98	<96
gamma-BHC (Lindane)	58-89-9	ug/Kg	100	9,200	100	NC	<93	<98	<96
Heptachlor	76-44-8	ug/Kg	42	15,000	380	NC	<93	<98	<96
Heptachlor epoxide	1024-57-3	ug/Kg	NC	NC	NC	NC	<93	<98	<96
Methoxychlor	72-43-5	ug/Kg	NC	NC	NC	NC	<93	<98	<96
Toxaphene	8001-35-2	ug/Kg	NC	NC	NC	NC	<930	<980	<960
trans-Chlordane	5103-74-2	ug/Kg	NC	NC	NC	NC	<93	<98	<96
PCBs									
Aroclor-1016	12674-11-2	mg/Kg	0.1	1000	3,200	NC	<0.28	<0.25	<0.21
Aroclor-1221	11104-28-2	mg/Kg	0.1	1000	3,200	NC	<0.28	<0.25	<0.21
Aroclor-1232	11141-16-5	mg/Kg	0.1	1000	3,200	NC	<0.28	<0.25	<0.21
Aroclor-1242	53469-21-9	mg/Kg	0.1	1000	3,200	NC	<0.28	<0.25	<0.21
Aroclor-1248	12672-29-6	mg/Kg	0.1	1000	3,200	NC	<0.28	<0.25	<0.21
Aroclor-1254	11097-69-1	mg/Kg	0.1	1000	3,200	NC	<0.28	<0.25	<0.21
Aroclor-1260	11096-82-5	mg/Kg	0.1	1000	3,200	NC	<0.28	<0.25	<0.21
Aroclor-1262	37324-23-5	mg/Kg	0.1	1000	3,200	NC	<0.28	<0.25	<0.21
Aroclor-1268	11100-14-4	mg/Kg	0.1	1000	3,200	NC	<0.28	<0.25	<0.21

Notes:

NC - No Criteria

J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value

B - Compound was found in blank and sample

Bold value indicates detected concentration

Shaded cell indicates detected constituent concentration exceeds criteria

* Parent sample is W-Berm-042018

¹ Concentration exceeds Part 375 Unrestricted SCO² Concentration exceeds Part 375 Commercial SCO³ Concentration exceeds Part 375 Protection of Groundwater⁴ Concentration exceeds CP-51 Soil Cleanup Guidance

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-134628-1

Client Project/Site: Midler Crossing - Characteristic Soil

For:

O'Brien & Gere Inc of North America

333 West Washington St.

PO BOX 4873

East Syracuse, New York 13221

Attn: Mr. David J Carnevale



Authorized for release by:

5/10/2018 10:59:28 AM

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
vs	Reported analyte concentrations are below 200 ug/kg and may be biased low due to the sample not being collected according to 5035A-L low-level specifications.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery is outside acceptance limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Job ID: 480-134628-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-134628-1

Receipt

The samples were received on 4/21/2018 1:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.4° C.

GC/MS VOA

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-410294 recovered above the upper control limit for 2-Butanone (MEK). The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: E-BERM-042018 (480-134628-8), W-BERM-042018 (480-134628-10) and X-2-042018 (480-134628-12).

Method(s) 8260C: The following samples were diluted due to the nature of the TCLP matrix: NE-SE BERM-042018 (480-134628-7), NW-SW-BERM-042018 (480-134628-9), X-1-042018 (480-134628-11) and LB 480-411593/3-A. Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method(s) 8270D: The following samples were diluted due to the nature of the sample matrix: E-BERM-042018 (480-134628-2), W-BERM-042018 (480-134628-4) and X-2-042018 (480-134628-6). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: The following sample required a dilution due to the nature of the sample matrix: E-BERM-042018 (480-134628-2). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method(s) 8081B: The following samples were diluted due to the nature of the sample matrix: E-BERM-042018 (480-134628-2), W-BERM-042018 (480-134628-4) and X-2-042018 (480-134628-6). As such, surrogate recoveries are below the calibration range, estimated and not representative. Elevated reporting limits (RLs) are provided.

Method(s) 8082A: The continuing calibration verification (CCV) associated with batch 480-411578 recovered above the upper control limit for PCB-1232, PCB-1242, PCB-1262 and PCB-1268. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: E-BERM-042018 (480-134628-2), W-BERM-042018 (480-134628-4) and X-2-042018 (480-134628-6).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Method(s) 6010C: The Low Level Continuing Calibration Verifications, (CCVL 480-410722/17 and CCV 480-410722/29) associated with batch 480-410722, contained Total Manganese above the upper quality control limit. The associated samples were either ND for the affected analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples E-BERM-042018 (480-134628-2), W-BERM-042018 (480-134628-4) and X-2-042018 (480-134628-6) was not performed.

Method(s) 6010C: The following sample was diluted due to the presence of Total Calcium which interferes with Copper: E-BERM-042018 (480-134628-2). Elevated reporting limits (RLs) are provided.

Method(s) 6010C: The following sample was diluted due to the presence of Total Calcium which interferes with Copper: X-2-042018 (480-134628-6). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Case Narrative

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Job ID: 480-134628-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

General Chemistry

Method(s) 9045D: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: NW-SW-BERM-042018 (480-134628-3) and X-1-042018 (480-134628-5).

Method(s) 9045D: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following sample has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: NE-SE BERM-042018 (480-134628-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

Method(s) 3550C: The following samples required a Florisil clean-up, via EPA Method 3620C, to reduce matrix interferences: E-BERM-042018 (480-134628-2), W-BERM-042018 (480-134628-4) and X-2-042018 (480-134628-6).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Client Sample ID: NE-SE BERM-042018

Lab Sample ID: 480-134628-1

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Free Liquid	passed				mL/100g	1		9095B	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.46	J	1.0	0.10	mg/L	1		6010C	TCLP
Cadmium	0.0035		0.0020	0.00050	mg/L	1		6010C	TCLP
Lead	0.037		0.020	0.0030	mg/L	1		6010C	TCLP
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Flashpoint	>180		50.0	50.0	Degrees F	1		1010A	Total/NA
pH	10.5	HF	0.1	0.1	SU	1		9045D	Total/NA
Temperature	25.5	HF	0.001	0.001	Degrees C	1		9045D	Total/NA

Client Sample ID: E-BERM-042018

Lab Sample ID: 480-134628-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	560	J	3800	380	ug/Kg	20	✱	8270D	Total/NA
Benzo[a]pyrene	800	J	3800	560	ug/Kg	20	✱	8270D	Total/NA
Benzo[b]fluoranthene	1100	J	3800	610	ug/Kg	20	✱	8270D	Total/NA
Benzo[g,h,i]perylene	490	J	3800	410	ug/Kg	20	✱	8270D	Total/NA
Fluoranthene	1400	J	3800	410	ug/Kg	20	✱	8270D	Total/NA
Pyrene	990	J	3800	450	ug/Kg	20	✱	8270D	Total/NA
Aluminum	8520		11.0	4.9	mg/Kg	1	✱	6010C	Total/NA
Arsenic	4.9		2.2	0.44	mg/Kg	1	✱	6010C	Total/NA
Barium	54.2		0.55	0.12	mg/Kg	1	✱	6010C	Total/NA
Beryllium	0.39		0.22	0.031	mg/Kg	1	✱	6010C	Total/NA
Cadmium	0.14	J	0.22	0.033	mg/Kg	1	✱	6010C	Total/NA
Calcium	128000	B	276	18.2	mg/Kg	5	✱	6010C	Total/NA
Chromium	18.0	B	0.55	0.22	mg/Kg	1	✱	6010C	Total/NA
Cobalt	4.9		0.55	0.055	mg/Kg	1	✱	6010C	Total/NA
Copper	60.7		5.5	1.2	mg/Kg	5	✱	6010C	Total/NA
Iron	15700	B	11.0	3.9	mg/Kg	1	✱	6010C	Total/NA
Lead	85.7		1.1	0.26	mg/Kg	1	✱	6010C	Total/NA
Magnesium	14900		22.1	1.0	mg/Kg	1	✱	6010C	Total/NA
Manganese	369	^	1.1	0.18	mg/Kg	5	✱	6010C	Total/NA
Nickel	14.6		5.5	0.25	mg/Kg	1	✱	6010C	Total/NA
Potassium	3160		33.1	22.1	mg/Kg	1	✱	6010C	Total/NA
Sodium	189		154	14.3	mg/Kg	1	✱	6010C	Total/NA
Vanadium	34.1		0.55	0.12	mg/Kg	1	✱	6010C	Total/NA
Zinc	56.5		2.2	0.71	mg/Kg	1	✱	6010C	Total/NA
Mercury	0.36		0.021	0.0086	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: NW-SW-BERM-042018

Lab Sample ID: 480-134628-3

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Free Liquid	passed				mL/100g	1		9095B	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.40	J	1.0	0.10	mg/L	1		6010C	TCLP
Cadmium	0.0022		0.0020	0.00050	mg/L	1		6010C	TCLP
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Flashpoint	>180		50.0	50.0	Degrees F	1		1010A	Total/NA
pH	8.7	HF	0.1	0.1	SU	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Client Sample ID: NW-SW-BERM-042018 (Continued)

Lab Sample ID: 480-134628-3

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Temperature	19.8	HF	0.001	0.001	Degrees C	1		9045D	Total/NA

Client Sample ID: W-BERM-042018

Lab Sample ID: 480-134628-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	540	J	2000	290	ug/Kg	10	✱	8270D	Total/NA
Acenaphthylene	300	J	2000	260	ug/Kg	10	✱	8270D	Total/NA
Anthracene	1300	J	2000	490	ug/Kg	10	✱	8270D	Total/NA
Benzo[a]anthracene	3800		2000	200	ug/Kg	10	✱	8270D	Total/NA
Benzo[a]pyrene	3300		2000	290	ug/Kg	10	✱	8270D	Total/NA
Benzo[b]fluoranthene	4300		2000	310	ug/Kg	10	✱	8270D	Total/NA
Benzo[g,h,i]perylene	1800	J	2000	210	ug/Kg	10	✱	8270D	Total/NA
Benzo[k]fluoranthene	1600	J	2000	260	ug/Kg	10	✱	8270D	Total/NA
Carbazole	600	J	2000	230	ug/Kg	10	✱	8270D	Total/NA
Chrysene	3500		2000	440	ug/Kg	10	✱	8270D	Total/NA
Dibenzofuran	400	J	2000	230	ug/Kg	10	✱	8270D	Total/NA
Fluoranthene	7700		2000	210	ug/Kg	10	✱	8270D	Total/NA
Fluorene	700	J	2000	230	ug/Kg	10	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	1900	J	2000	240	ug/Kg	10	✱	8270D	Total/NA
Naphthalene	740	J	2000	260	ug/Kg	10	✱	8270D	Total/NA
Phenanthrene	5500		2000	290	ug/Kg	10	✱	8270D	Total/NA
Pyrene	6300		2000	230	ug/Kg	10	✱	8270D	Total/NA
Aluminum	6720		12.1	5.3	mg/Kg	1	✱	6010C	Total/NA
Arsenic	5.1		2.4	0.48	mg/Kg	1	✱	6010C	Total/NA
Barium	80.7		0.60	0.13	mg/Kg	1	✱	6010C	Total/NA
Beryllium	0.33		0.24	0.034	mg/Kg	1	✱	6010C	Total/NA
Cadmium	0.29		0.24	0.036	mg/Kg	1	✱	6010C	Total/NA
Calcium	98100	B	60.5	4.0	mg/Kg	1	✱	6010C	Total/NA
Chromium	14.9	B	0.60	0.24	mg/Kg	1	✱	6010C	Total/NA
Cobalt	4.8		0.60	0.060	mg/Kg	1	✱	6010C	Total/NA
Copper	37.4		1.2	0.25	mg/Kg	1	✱	6010C	Total/NA
Iron	17300	B	12.1	4.2	mg/Kg	1	✱	6010C	Total/NA
Lead	38.7		1.2	0.29	mg/Kg	1	✱	6010C	Total/NA
Magnesium	13500		24.2	1.1	mg/Kg	1	✱	6010C	Total/NA
Manganese	287	^	0.24	0.039	mg/Kg	1	✱	6010C	Total/NA
Nickel	13.5		6.0	0.28	mg/Kg	1	✱	6010C	Total/NA
Potassium	1630		36.3	24.2	mg/Kg	1	✱	6010C	Total/NA
Sodium	190		169	15.7	mg/Kg	1	✱	6010C	Total/NA
Vanadium	22.0		0.60	0.13	mg/Kg	1	✱	6010C	Total/NA
Zinc	102		2.4	0.77	mg/Kg	1	✱	6010C	Total/NA
Mercury	0.056		0.024	0.0095	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: X-1-042018

Lab Sample ID: 480-134628-5

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Free Liquid	passed				mL/100g	1		9095B	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.35	J	1.0	0.10	mg/L	1		6010C	TCLP
Cadmium	0.0022		0.0020	0.00050	mg/L	1		6010C	TCLP

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Client Sample ID: X-1-042018 (Continued)

Lab Sample ID: 480-134628-5

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Flashpoint	>180		50.0	50.0	Degrees F	1		1010A	Total/NA
pH	9.1	HF	0.1	0.1	SU	1		9045D	Total/NA
Temperature	20.1	HF	0.001	0.001	Degrees C	1		9045D	Total/NA

Client Sample ID: X-2-042018

Lab Sample ID: 480-134628-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	600	J	2000	490	ug/Kg	10	✱	8270D	Total/NA
Benzo[a]anthracene	2000		2000	200	ug/Kg	10	✱	8270D	Total/NA
Benzo[a]pyrene	2000		2000	290	ug/Kg	10	✱	8270D	Total/NA
Benzo[b]fluoranthene	2400		2000	320	ug/Kg	10	✱	8270D	Total/NA
Benzo[g,h,i]perylene	1200	J	2000	210	ug/Kg	10	✱	8270D	Total/NA
Benzo[k]fluoranthene	1400	J	2000	260	ug/Kg	10	✱	8270D	Total/NA
Carbazole	230	J	2000	230	ug/Kg	10	✱	8270D	Total/NA
Chrysene	2200		2000	440	ug/Kg	10	✱	8270D	Total/NA
Fluoranthene	4200		2000	210	ug/Kg	10	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	1200	J	2000	250	ug/Kg	10	✱	8270D	Total/NA
Phenanthrene	2200		2000	290	ug/Kg	10	✱	8270D	Total/NA
Pyrene	3600		2000	230	ug/Kg	10	✱	8270D	Total/NA
Aluminum	6760		11.6	5.1	mg/Kg	1	✱	6010C	Total/NA
Arsenic	5.0		2.3	0.46	mg/Kg	1	✱	6010C	Total/NA
Barium	72.9		0.58	0.13	mg/Kg	1	✱	6010C	Total/NA
Beryllium	0.34		0.23	0.032	mg/Kg	1	✱	6010C	Total/NA
Cadmium	0.29		0.23	0.035	mg/Kg	1	✱	6010C	Total/NA
Calcium	128000	B	290	19.1	mg/Kg	5	✱	6010C	Total/NA
Chromium	13.2	B	0.58	0.23	mg/Kg	1	✱	6010C	Total/NA
Cobalt	3.7		0.58	0.058	mg/Kg	1	✱	6010C	Total/NA
Copper	42.6		5.8	1.2	mg/Kg	5	✱	6010C	Total/NA
Iron	16200	B	11.6	4.1	mg/Kg	1	✱	6010C	Total/NA
Lead	38.7		1.2	0.28	mg/Kg	1	✱	6010C	Total/NA
Magnesium	7790		23.2	1.1	mg/Kg	1	✱	6010C	Total/NA
Manganese	323	^	0.23	0.037	mg/Kg	1	✱	6010C	Total/NA
Nickel	14.1		5.8	0.27	mg/Kg	1	✱	6010C	Total/NA
Potassium	1900		34.8	23.2	mg/Kg	1	✱	6010C	Total/NA
Sodium	196		162	15.1	mg/Kg	1	✱	6010C	Total/NA
Vanadium	21.8		0.58	0.13	mg/Kg	1	✱	6010C	Total/NA
Zinc	99.9		2.3	0.74	mg/Kg	1	✱	6010C	Total/NA
Mercury	0.062		0.023	0.0095	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: NE-SE BERM-042018

Lab Sample ID: 480-134628-7

No Detections.

Client Sample ID: E-BERM-042018

Lab Sample ID: 480-134628-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	5.2	J vs	5.4	2.5	ug/Kg	1	✱	8260C	Total/NA

Client Sample ID: NW-SW-BERM-042018

Lab Sample ID: 480-134628-9

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Client Sample ID: NW-SW-BERM-042018 (Continued)

Lab Sample ID: 480-134628-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.0057	J	0.010	0.0036	mg/L	10		8260C	TCLP

Client Sample ID: W-BERM-042018

Lab Sample ID: 480-134628-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	7.4	vs	5.7	2.6	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	2.3	J vs	5.7	0.77	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: X-1-042018

Lab Sample ID: 480-134628-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.0071	J	0.010	0.0036	mg/L	10		8260C	TCLP

Client Sample ID: X-2-042018

Lab Sample ID: 480-134628-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	6.5	vs	5.6	2.6	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	7.4	vs	5.6	0.75	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	1.5	J vs F1	5.6	1.2	ug/Kg	1	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Client Sample ID: NE-SE BERM-042018

Lab Sample ID: 480-134628-1

Date Collected: 04/20/18 09:30

Matrix: Solid

Date Received: 04/21/18 01:45

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		05/02/18 14:55	05/03/18 20:51	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		05/02/18 14:55	05/03/18 20:51	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		05/02/18 14:55	05/03/18 20:51	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		05/02/18 14:55	05/03/18 20:51	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		05/02/18 14:55	05/03/18 20:51	1
3-Methylphenol	ND		0.010	0.00040	mg/L		05/02/18 14:55	05/03/18 20:51	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		05/02/18 14:55	05/03/18 20:51	1
4-Methylphenol	ND		0.010	0.00036	mg/L		05/02/18 14:55	05/03/18 20:51	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		05/02/18 14:55	05/03/18 20:51	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		05/02/18 14:55	05/03/18 20:51	1
Pyridine	ND		0.025	0.00041	mg/L		05/02/18 14:55	05/03/18 20:51	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		05/02/18 14:55	05/03/18 20:51	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		05/02/18 14:55	05/03/18 20:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	95		41 - 120	05/02/18 14:55	05/03/18 20:51	1
2-Fluorobiphenyl	82		48 - 120	05/02/18 14:55	05/03/18 20:51	1
2-Fluorophenol	45		35 - 120	05/02/18 14:55	05/03/18 20:51	1
Nitrobenzene-d5	77		46 - 120	05/02/18 14:55	05/03/18 20:51	1
p-Terphenyl-d14	104		59 - 136	05/02/18 14:55	05/03/18 20:51	1
Phenol-d5	30		22 - 120	05/02/18 14:55	05/03/18 20:51	1

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		05/01/18 10:12	05/01/18 22:39	1
Barium	0.46	J	1.0	0.10	mg/L		05/01/18 10:12	05/01/18 22:39	1
Cadmium	0.0035		0.0020	0.00050	mg/L		05/01/18 10:12	05/01/18 22:39	1
Chromium	ND		0.020	0.010	mg/L		05/01/18 10:12	05/01/18 22:39	1
Lead	0.037		0.020	0.0030	mg/L		05/01/18 10:12	05/01/18 22:39	1
Selenium	ND		0.025	0.0087	mg/L		05/01/18 10:12	05/01/18 22:39	1
Silver	ND		0.0060	0.0017	mg/L		05/01/18 10:12	05/01/18 22:39	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/01/18 13:35	05/01/18 20:14	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Free Liquid	passed				mL/100g			04/25/18 15:22	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		9.9	9.9	mg/Kg		04/30/18 05:03	04/30/18 16:38	1
Sulfide, Reactive	ND		9.9	9.9	mg/Kg		04/30/18 05:03	04/30/18 15:45	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>180		50.0	50.0	Degrees F			05/01/18 09:30	1
pH	10.5	HF	0.1	0.1	SU			04/25/18 17:57	1
Temperature	25.5	HF	0.001	0.001	Degrees C			04/25/18 17:57	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Client Sample ID: E-BERM-042018

Lab Sample ID: 480-134628-2

Date Collected: 04/20/18 10:15

Matrix: Solid

Date Received: 04/21/18 01:45

Percent Solids: 88.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		3800	560	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
bis (2-chloroisopropyl) ether	ND		3800	770	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
2,4,5-Trichlorophenol	ND		3800	1000	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
2,4,6-Trichlorophenol	ND		3800	770	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
2,4-Dichlorophenol	ND		3800	410	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
2,4-Dimethylphenol	ND		3800	930	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
2,4-Dinitrophenol	ND		38000	18000	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
2,4-Dinitrotoluene	ND		3800	790	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
2,6-Dinitrotoluene	ND		3800	450	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
2-Chloronaphthalene	ND		3800	630	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
2-Chlorophenol	ND		3800	700	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
2-Methylnaphthalene	ND		3800	770	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
2-Methylphenol	ND		3800	450	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
2-Nitroaniline	ND		7500	560	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
2-Nitrophenol	ND		3800	1100	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
3,3'-Dichlorobenzidine	ND		7500	4500	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
3-Nitroaniline	ND		7500	1100	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
4,6-Dinitro-2-methylphenol	ND		7500	3800	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
4-Bromophenyl phenyl ether	ND		3800	540	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
4-Chloro-3-methylphenol	ND		3800	950	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
4-Chloroaniline	ND		3800	950	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
4-Chlorophenyl phenyl ether	ND		3800	470	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
4-Methylphenol	ND		7500	450	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
4-Nitroaniline	ND		7500	2000	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
4-Nitrophenol	ND		7500	2700	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Acenaphthene	ND		3800	560	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Acenaphthylene	ND		3800	500	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Acetophenone	ND		3800	520	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Anthracene	ND		3800	950	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Atrazine	ND		3800	1300	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Benzaldehyde	ND		3800	3100	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Benzo[a]anthracene	560	J	3800	380	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Benzo[a]pyrene	800	J	3800	560	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Benzo[b]fluoranthene	1100	J	3800	610	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Benzo[g,h,i]perylene	490	J	3800	410	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Benzo[k]fluoranthene	ND		3800	500	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Bis(2-chloroethoxy)methane	ND		3800	810	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Bis(2-chloroethyl)ether	ND		3800	500	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Bis(2-ethylhexyl) phthalate	ND		3800	1300	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Butyl benzyl phthalate	ND		3800	630	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Caprolactam	ND		3800	1200	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Carbazole	ND		3800	450	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Chrysene	ND		3800	860	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Di-n-butyl phthalate	ND		3800	660	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Di-n-octyl phthalate	ND		3800	450	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Dibenz(a,h)anthracene	ND		3800	680	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Dibenzofuran	ND		3800	450	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Diethyl phthalate	ND		3800	500	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Dimethyl phthalate	ND		3800	450	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Client Sample ID: E-BERM-042018

Lab Sample ID: 480-134628-2

Date Collected: 04/20/18 10:15

Matrix: Solid

Date Received: 04/21/18 01:45

Percent Solids: 88.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	1400	J	3800	410	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Fluorene	ND		3800	450	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Hexachlorobenzene	ND		3800	520	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Hexachlorobutadiene	ND		3800	560	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Hexachlorocyclopentadiene	ND		3800	520	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Hexachloroethane	ND		3800	500	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Indeno[1,2,3-cd]pyrene	ND		3800	470	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Isophorone	ND		3800	810	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
N-Nitrosodi-n-propylamine	ND		3800	660	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
N-Nitrosodiphenylamine	ND		3800	3100	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Naphthalene	ND		3800	500	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Nitrobenzene	ND		3800	430	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Pentachlorophenol	ND		7500	3800	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Phenanthrene	ND		3800	560	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Phenol	ND		3800	590	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Pyrene	990	J	3800	450	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	116		54 - 120	05/02/18 07:03	05/04/18 01:21	20
2-Fluorobiphenyl	96		60 - 120	05/02/18 07:03	05/04/18 01:21	20
2-Fluorophenol	94		52 - 120	05/02/18 07:03	05/04/18 01:21	20
Nitrobenzene-d5	91		53 - 120	05/02/18 07:03	05/04/18 01:21	20
p-Terphenyl-d14	111		65 - 121	05/02/18 07:03	05/04/18 01:21	20
Phenol-d5	89		54 - 120	05/02/18 07:03	05/04/18 01:21	20

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		93	18	ug/Kg	☼	04/24/18 07:51	04/26/18 13:57	50
4,4'-DDE	ND		93	20	ug/Kg	☼	04/24/18 07:51	04/26/18 13:57	50
4,4'-DDT	ND		93	22	ug/Kg	☼	04/24/18 07:51	04/26/18 13:57	50
Aldrin	ND		93	23	ug/Kg	☼	04/24/18 07:51	04/26/18 13:57	50
alpha-BHC	ND		93	17	ug/Kg	☼	04/24/18 07:51	04/26/18 13:57	50
cis-Chlordane	ND		93	46	ug/Kg	☼	04/24/18 07:51	04/26/18 13:57	50
beta-BHC	ND		93	17	ug/Kg	☼	04/24/18 07:51	04/26/18 13:57	50
delta-BHC	ND		93	17	ug/Kg	☼	04/24/18 07:51	04/26/18 13:57	50
Dieldrin	ND		93	22	ug/Kg	☼	04/24/18 07:51	04/26/18 13:57	50
Endosulfan I	ND		93	18	ug/Kg	☼	04/24/18 07:51	04/26/18 13:57	50
Endosulfan II	ND		93	17	ug/Kg	☼	04/24/18 07:51	04/26/18 13:57	50
Endosulfan sulfate	ND		93	17	ug/Kg	☼	04/24/18 07:51	04/26/18 13:57	50
Endrin	ND		93	18	ug/Kg	☼	04/24/18 07:51	04/26/18 13:57	50
Endrin aldehyde	ND		93	24	ug/Kg	☼	04/24/18 07:51	04/26/18 13:57	50
Endrin ketone	ND		93	23	ug/Kg	☼	04/24/18 07:51	04/26/18 13:57	50
gamma-BHC (Lindane)	ND		93	17	ug/Kg	☼	04/24/18 07:51	04/26/18 13:57	50
trans-Chlordane	ND		93	30	ug/Kg	☼	04/24/18 07:51	04/26/18 13:57	50
Heptachlor	ND		93	20	ug/Kg	☼	04/24/18 07:51	04/26/18 13:57	50
Heptachlor epoxide	ND		93	24	ug/Kg	☼	04/24/18 07:51	04/26/18 13:57	50
Methoxychlor	ND		93	19	ug/Kg	☼	04/24/18 07:51	04/26/18 13:57	50
Toxaphene	ND		930	540	ug/Kg	☼	04/24/18 07:51	04/26/18 13:57	50

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Client Sample ID: E-BERM-042018

Lab Sample ID: 480-134628-2

Date Collected: 04/20/18 10:15

Matrix: Solid

Date Received: 04/21/18 01:45

Percent Solids: 88.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	X	45 - 120	04/24/18 07:51	04/26/18 13:57	50
Tetrachloro-m-xylene	0	X	30 - 124	04/24/18 07:51	04/26/18 13:57	50

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.28	0.055	mg/Kg	☼	04/27/18 07:20	04/30/18 21:26	1
PCB-1221	ND		0.28	0.055	mg/Kg	☼	04/27/18 07:20	04/30/18 21:26	1
PCB-1232	ND		0.28	0.055	mg/Kg	☼	04/27/18 07:20	04/30/18 21:26	1
PCB-1242	ND		0.28	0.055	mg/Kg	☼	04/27/18 07:20	04/30/18 21:26	1
PCB-1248	ND		0.28	0.055	mg/Kg	☼	04/27/18 07:20	04/30/18 21:26	1
PCB-1254	ND		0.28	0.13	mg/Kg	☼	04/27/18 07:20	04/30/18 21:26	1
PCB-1260	ND		0.28	0.13	mg/Kg	☼	04/27/18 07:20	04/30/18 21:26	1
PCB-1262	ND		0.28	0.13	mg/Kg	☼	04/27/18 07:20	04/30/18 21:26	1
PCB-1268	ND		0.28	0.13	mg/Kg	☼	04/27/18 07:20	04/30/18 21:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	100		60 - 154				04/27/18 07:20	04/30/18 21:26	1
DCB Decachlorobiphenyl	91		65 - 174				04/27/18 07:20	04/30/18 21:26	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8520		11.0	4.9	mg/Kg	☼	04/21/18 11:57	04/24/18 11:42	1
Antimony	ND		16.6	0.44	mg/Kg	☼	04/21/18 11:57	04/24/18 11:42	1
Arsenic	4.9		2.2	0.44	mg/Kg	☼	04/21/18 11:57	04/24/18 11:42	1
Barium	54.2		0.55	0.12	mg/Kg	☼	04/21/18 11:57	04/24/18 11:42	1
Beryllium	0.39		0.22	0.031	mg/Kg	☼	04/21/18 11:57	04/24/18 11:42	1
Cadmium	0.14	J	0.22	0.033	mg/Kg	☼	04/21/18 11:57	04/24/18 11:42	1
Calcium	128000	B	276	18.2	mg/Kg	☼	04/21/18 11:57	04/24/18 11:46	5
Chromium	18.0	B	0.55	0.22	mg/Kg	☼	04/21/18 11:57	04/24/18 11:42	1
Cobalt	4.9		0.55	0.055	mg/Kg	☼	04/21/18 11:57	04/24/18 11:42	1
Copper	60.7		5.5	1.2	mg/Kg	☼	04/21/18 11:57	04/24/18 11:46	5
Iron	15700	B	11.0	3.9	mg/Kg	☼	04/21/18 11:57	04/24/18 11:42	1
Lead	85.7		1.1	0.26	mg/Kg	☼	04/21/18 11:57	04/24/18 11:42	1
Magnesium	14900		22.1	1.0	mg/Kg	☼	04/21/18 11:57	04/24/18 11:42	1
Manganese	369	^	1.1	0.18	mg/Kg	☼	04/21/18 11:57	04/24/18 11:46	5
Nickel	14.6		5.5	0.25	mg/Kg	☼	04/21/18 11:57	04/24/18 11:42	1
Potassium	3160		33.1	22.1	mg/Kg	☼	04/21/18 11:57	04/24/18 11:42	1
Selenium	ND		4.4	0.44	mg/Kg	☼	04/21/18 11:57	04/24/18 11:42	1
Silver	ND		0.66	0.22	mg/Kg	☼	04/21/18 11:57	04/24/18 11:42	1
Sodium	189		154	14.3	mg/Kg	☼	04/21/18 11:57	04/24/18 11:42	1
Thallium	ND		6.6	0.33	mg/Kg	☼	04/21/18 11:57	04/24/18 11:42	1
Vanadium	34.1		0.55	0.12	mg/Kg	☼	04/21/18 11:57	04/24/18 11:42	1
Zinc	56.5		2.2	0.71	mg/Kg	☼	04/21/18 11:57	04/24/18 11:42	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.36		0.021	0.0086	mg/Kg	☼	05/02/18 15:10	05/02/18 16:43	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Client Sample ID: NW-SW-BERM-042018

Lab Sample ID: 480-134628-3

Date Collected: 04/20/18 10:30

Matrix: Solid

Date Received: 04/21/18 01:45

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		05/02/18 14:55	05/03/18 21:19	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		05/02/18 14:55	05/03/18 21:19	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		05/02/18 14:55	05/03/18 21:19	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		05/02/18 14:55	05/03/18 21:19	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		05/02/18 14:55	05/03/18 21:19	1
3-Methylphenol	ND		0.010	0.00040	mg/L		05/02/18 14:55	05/03/18 21:19	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		05/02/18 14:55	05/03/18 21:19	1
4-Methylphenol	ND		0.010	0.00036	mg/L		05/02/18 14:55	05/03/18 21:19	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		05/02/18 14:55	05/03/18 21:19	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		05/02/18 14:55	05/03/18 21:19	1
Pyridine	ND		0.025	0.00041	mg/L		05/02/18 14:55	05/03/18 21:19	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		05/02/18 14:55	05/03/18 21:19	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		05/02/18 14:55	05/03/18 21:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	89		41 - 120	05/02/18 14:55	05/03/18 21:19	1
2-Fluorobiphenyl	77		48 - 120	05/02/18 14:55	05/03/18 21:19	1
2-Fluorophenol	42		35 - 120	05/02/18 14:55	05/03/18 21:19	1
Nitrobenzene-d5	78		46 - 120	05/02/18 14:55	05/03/18 21:19	1
p-Terphenyl-d14	106		59 - 136	05/02/18 14:55	05/03/18 21:19	1
Phenol-d5	29		22 - 120	05/02/18 14:55	05/03/18 21:19	1

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		05/01/18 10:12	05/01/18 23:10	1
Barium	0.40	J	1.0	0.10	mg/L		05/01/18 10:12	05/01/18 23:10	1
Cadmium	0.0022		0.0020	0.00050	mg/L		05/01/18 10:12	05/01/18 23:10	1
Chromium	ND		0.020	0.010	mg/L		05/01/18 10:12	05/01/18 23:10	1
Lead	ND		0.020	0.0030	mg/L		05/01/18 10:12	05/01/18 23:10	1
Selenium	ND		0.025	0.0087	mg/L		05/01/18 10:12	05/01/18 23:10	1
Silver	ND		0.0060	0.0017	mg/L		05/01/18 10:12	05/01/18 23:10	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/01/18 13:35	05/01/18 20:22	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Free Liquid	passed				mL/100g			04/25/18 15:22	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		9.9	9.9	mg/Kg		04/30/18 05:03	04/30/18 16:38	1
Sulfide, Reactive	ND		9.9	9.9	mg/Kg		04/30/18 05:03	04/30/18 15:45	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>180		50.0	50.0	Degrees F			05/01/18 09:30	1
pH	8.7	HF	0.1	0.1	SU			04/25/18 14:13	1
Temperature	19.8	HF	0.001	0.001	Degrees C			04/25/18 14:13	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Client Sample ID: W-BERM-042018

Lab Sample ID: 480-134628-4

Date Collected: 04/20/18 11:00

Matrix: Solid

Date Received: 04/21/18 01:45

Percent Solids: 84.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		2000	290	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
bis (2-chloroisopropyl) ether	ND		2000	400	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
2,4,5-Trichlorophenol	ND		2000	540	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
2,4,6-Trichlorophenol	ND		2000	400	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
2,4-Dichlorophenol	ND		2000	210	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
2,4-Dimethylphenol	ND		2000	480	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
2,4-Dinitrophenol	ND		19000	9100	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
2,4-Dinitrotoluene	ND		2000	410	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
2,6-Dinitrotoluene	ND		2000	230	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
2-Chloronaphthalene	ND		2000	330	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
2-Chlorophenol	ND		2000	360	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
2-Methylnaphthalene	ND		2000	400	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
2-Methylphenol	ND		2000	230	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
2-Nitroaniline	ND		3800	290	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
2-Nitrophenol	ND		2000	560	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
3,3'-Dichlorobenzidine	ND		3800	2300	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
3-Nitroaniline	ND		3800	550	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
4,6-Dinitro-2-methylphenol	ND		3800	2000	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
4-Bromophenyl phenyl ether	ND		2000	280	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
4-Chloro-3-methylphenol	ND		2000	490	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
4-Chloroaniline	ND		2000	490	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
4-Chlorophenyl phenyl ether	ND		2000	240	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
4-Methylphenol	ND		3800	230	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
4-Nitroaniline	ND		3800	1000	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
4-Nitrophenol	ND		3800	1400	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Acenaphthene	540	J	2000	290	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Acenaphthylene	300	J	2000	260	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Acetophenone	ND		2000	270	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Anthracene	1300	J	2000	490	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Atrazine	ND		2000	690	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Benzaldehyde	ND		2000	1600	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Benzo[a]anthracene	3800		2000	200	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Benzo[a]pyrene	3300		2000	290	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Benzo[b]fluoranthene	4300		2000	310	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Benzo[g,h,i]perylene	1800	J	2000	210	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Benzo[k]fluoranthene	1600	J	2000	260	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Bis(2-chloroethoxy)methane	ND		2000	420	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Bis(2-chloroethyl)ether	ND		2000	260	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Bis(2-ethylhexyl) phthalate	ND		2000	680	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Butyl benzyl phthalate	ND		2000	330	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Caprolactam	ND		2000	590	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Carbazole	600	J	2000	230	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Chrysene	3500		2000	440	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Di-n-butyl phthalate	ND		2000	340	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Di-n-octyl phthalate	ND		2000	230	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Dibenz(a,h)anthracene	ND		2000	350	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Dibenzofuran	400	J	2000	230	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Diethyl phthalate	ND		2000	260	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Dimethyl phthalate	ND		2000	230	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Client Sample ID: W-BERM-042018

Lab Sample ID: 480-134628-4

Date Collected: 04/20/18 11:00

Matrix: Solid

Date Received: 04/21/18 01:45

Percent Solids: 84.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	7700		2000	210	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Fluorene	700	J	2000	230	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Hexachlorobenzene	ND		2000	270	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Hexachlorobutadiene	ND		2000	290	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Hexachlorocyclopentadiene	ND		2000	270	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Hexachloroethane	ND		2000	260	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Indeno[1,2,3-cd]pyrene	1900	J	2000	240	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Isophorone	ND		2000	420	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
N-Nitrosodi-n-propylamine	ND		2000	340	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
N-Nitrosodiphenylamine	ND		2000	1600	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Naphthalene	740	J	2000	260	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Nitrobenzene	ND		2000	220	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Pentachlorophenol	ND		3800	2000	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Phenanthrene	5500		2000	290	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Phenol	ND		2000	300	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Pyrene	6300		2000	230	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	81		54 - 120	05/02/18 07:03	05/04/18 01:48	10
2-Fluorobiphenyl	85		60 - 120	05/02/18 07:03	05/04/18 01:48	10
2-Fluorophenol	76		52 - 120	05/02/18 07:03	05/04/18 01:48	10
Nitrobenzene-d5	80		53 - 120	05/02/18 07:03	05/04/18 01:48	10
p-Terphenyl-d14	97		65 - 121	05/02/18 07:03	05/04/18 01:48	10
Phenol-d5	82		54 - 120	05/02/18 07:03	05/04/18 01:48	10

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		98	19	ug/Kg	☼	04/24/18 07:51	04/26/18 14:16	50
4,4'-DDE	ND		98	20	ug/Kg	☼	04/24/18 07:51	04/26/18 14:16	50
4,4'-DDT	ND		98	23	ug/Kg	☼	04/24/18 07:51	04/26/18 14:16	50
Aldrin	ND		98	24	ug/Kg	☼	04/24/18 07:51	04/26/18 14:16	50
alpha-BHC	ND		98	18	ug/Kg	☼	04/24/18 07:51	04/26/18 14:16	50
cis-Chlordane	ND		98	49	ug/Kg	☼	04/24/18 07:51	04/26/18 14:16	50
beta-BHC	ND		98	18	ug/Kg	☼	04/24/18 07:51	04/26/18 14:16	50
delta-BHC	ND		98	18	ug/Kg	☼	04/24/18 07:51	04/26/18 14:16	50
Dieldrin	ND		98	23	ug/Kg	☼	04/24/18 07:51	04/26/18 14:16	50
Endosulfan I	ND		98	19	ug/Kg	☼	04/24/18 07:51	04/26/18 14:16	50
Endosulfan II	ND		98	18	ug/Kg	☼	04/24/18 07:51	04/26/18 14:16	50
Endosulfan sulfate	ND		98	18	ug/Kg	☼	04/24/18 07:51	04/26/18 14:16	50
Endrin	ND		98	19	ug/Kg	☼	04/24/18 07:51	04/26/18 14:16	50
Endrin aldehyde	ND		98	25	ug/Kg	☼	04/24/18 07:51	04/26/18 14:16	50
Endrin ketone	ND		98	24	ug/Kg	☼	04/24/18 07:51	04/26/18 14:16	50
gamma-BHC (Lindane)	ND		98	18	ug/Kg	☼	04/24/18 07:51	04/26/18 14:16	50
trans-Chlordane	ND		98	31	ug/Kg	☼	04/24/18 07:51	04/26/18 14:16	50
Heptachlor	ND		98	21	ug/Kg	☼	04/24/18 07:51	04/26/18 14:16	50
Heptachlor epoxide	ND		98	25	ug/Kg	☼	04/24/18 07:51	04/26/18 14:16	50
Methoxychlor	ND		98	20	ug/Kg	☼	04/24/18 07:51	04/26/18 14:16	50
Toxaphene	ND		980	570	ug/Kg	☼	04/24/18 07:51	04/26/18 14:16	50

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Client Sample ID: W-BERM-042018

Lab Sample ID: 480-134628-4

Date Collected: 04/20/18 11:00

Matrix: Solid

Date Received: 04/21/18 01:45

Percent Solids: 84.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	X	45 - 120	04/24/18 07:51	04/26/18 14:16	50
Tetrachloro-m-xylene	0	X	30 - 124	04/24/18 07:51	04/26/18 14:16	50

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.049	mg/Kg	☼	04/27/18 07:20	04/30/18 21:41	1
PCB-1221	ND		0.25	0.049	mg/Kg	☼	04/27/18 07:20	04/30/18 21:41	1
PCB-1232	ND		0.25	0.049	mg/Kg	☼	04/27/18 07:20	04/30/18 21:41	1
PCB-1242	ND		0.25	0.049	mg/Kg	☼	04/27/18 07:20	04/30/18 21:41	1
PCB-1248	ND		0.25	0.049	mg/Kg	☼	04/27/18 07:20	04/30/18 21:41	1
PCB-1254	ND		0.25	0.12	mg/Kg	☼	04/27/18 07:20	04/30/18 21:41	1
PCB-1260	ND		0.25	0.12	mg/Kg	☼	04/27/18 07:20	04/30/18 21:41	1
PCB-1262	ND		0.25	0.12	mg/Kg	☼	04/27/18 07:20	04/30/18 21:41	1
PCB-1268	ND		0.25	0.12	mg/Kg	☼	04/27/18 07:20	04/30/18 21:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	105		60 - 154	04/27/18 07:20	04/30/18 21:41	1
DCB Decachlorobiphenyl	101		65 - 174	04/27/18 07:20	04/30/18 21:41	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6720		12.1	5.3	mg/Kg	☼	04/21/18 11:57	04/24/18 11:50	1
Antimony	ND		18.1	0.48	mg/Kg	☼	04/21/18 11:57	04/24/18 11:50	1
Arsenic	5.1		2.4	0.48	mg/Kg	☼	04/21/18 11:57	04/24/18 11:50	1
Barium	80.7		0.60	0.13	mg/Kg	☼	04/21/18 11:57	04/24/18 11:50	1
Beryllium	0.33		0.24	0.034	mg/Kg	☼	04/21/18 11:57	04/24/18 11:50	1
Cadmium	0.29		0.24	0.036	mg/Kg	☼	04/21/18 11:57	04/24/18 11:50	1
Calcium	98100	B	60.5	4.0	mg/Kg	☼	04/21/18 11:57	04/24/18 11:50	1
Chromium	14.9	B	0.60	0.24	mg/Kg	☼	04/21/18 11:57	04/24/18 11:50	1
Cobalt	4.8		0.60	0.060	mg/Kg	☼	04/21/18 11:57	04/24/18 11:50	1
Copper	37.4		1.2	0.25	mg/Kg	☼	04/21/18 11:57	04/24/18 11:50	1
Iron	17300	B	12.1	4.2	mg/Kg	☼	04/21/18 11:57	04/24/18 11:50	1
Lead	38.7		1.2	0.29	mg/Kg	☼	04/21/18 11:57	04/24/18 11:50	1
Magnesium	13500		24.2	1.1	mg/Kg	☼	04/21/18 11:57	04/24/18 11:50	1
Manganese	287	^	0.24	0.039	mg/Kg	☼	04/21/18 11:57	04/24/18 11:50	1
Nickel	13.5		6.0	0.28	mg/Kg	☼	04/21/18 11:57	04/24/18 11:50	1
Potassium	1630		36.3	24.2	mg/Kg	☼	04/21/18 11:57	04/24/18 11:50	1
Selenium	ND		4.8	0.48	mg/Kg	☼	04/21/18 11:57	04/24/18 11:50	1
Silver	ND		0.73	0.24	mg/Kg	☼	04/21/18 11:57	04/24/18 11:50	1
Sodium	190		169	15.7	mg/Kg	☼	04/21/18 11:57	04/24/18 11:50	1
Thallium	ND		7.3	0.36	mg/Kg	☼	04/21/18 11:57	04/24/18 11:50	1
Vanadium	22.0		0.60	0.13	mg/Kg	☼	04/21/18 11:57	04/24/18 11:50	1
Zinc	102		2.4	0.77	mg/Kg	☼	04/21/18 11:57	04/24/18 11:50	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.056		0.024	0.0095	mg/Kg	☼	05/02/18 15:10	05/02/18 16:45	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Client Sample ID: X-1-042018

Lab Sample ID: 480-134628-5

Date Collected: 04/20/18 00:00

Matrix: Solid

Date Received: 04/21/18 01:45

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		05/02/18 14:55	05/03/18 21:46	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		05/02/18 14:55	05/03/18 21:46	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		05/02/18 14:55	05/03/18 21:46	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		05/02/18 14:55	05/03/18 21:46	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		05/02/18 14:55	05/03/18 21:46	1
3-Methylphenol	ND		0.010	0.00040	mg/L		05/02/18 14:55	05/03/18 21:46	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		05/02/18 14:55	05/03/18 21:46	1
4-Methylphenol	ND		0.010	0.00036	mg/L		05/02/18 14:55	05/03/18 21:46	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		05/02/18 14:55	05/03/18 21:46	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		05/02/18 14:55	05/03/18 21:46	1
Pyridine	ND		0.025	0.00041	mg/L		05/02/18 14:55	05/03/18 21:46	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		05/02/18 14:55	05/03/18 21:46	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		05/02/18 14:55	05/03/18 21:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	95		41 - 120	05/02/18 14:55	05/03/18 21:46	1
2-Fluorobiphenyl	85		48 - 120	05/02/18 14:55	05/03/18 21:46	1
2-Fluorophenol	42		35 - 120	05/02/18 14:55	05/03/18 21:46	1
Nitrobenzene-d5	80		46 - 120	05/02/18 14:55	05/03/18 21:46	1
p-Terphenyl-d14	102		59 - 136	05/02/18 14:55	05/03/18 21:46	1
Phenol-d5	29		22 - 120	05/02/18 14:55	05/03/18 21:46	1

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		05/01/18 10:12	05/01/18 23:14	1
Barium	0.35	J	1.0	0.10	mg/L		05/01/18 10:12	05/01/18 23:14	1
Cadmium	0.0022		0.0020	0.00050	mg/L		05/01/18 10:12	05/01/18 23:14	1
Chromium	ND		0.020	0.010	mg/L		05/01/18 10:12	05/01/18 23:14	1
Lead	ND		0.020	0.0030	mg/L		05/01/18 10:12	05/01/18 23:14	1
Selenium	ND		0.025	0.0087	mg/L		05/01/18 10:12	05/01/18 23:14	1
Silver	ND		0.0060	0.0017	mg/L		05/01/18 10:12	05/01/18 23:14	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/01/18 13:35	05/01/18 20:24	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Free Liquid	passed				mL/100g			04/25/18 15:22	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		9.9	9.9	mg/Kg		04/30/18 05:03	04/30/18 16:38	1
Sulfide, Reactive	ND		9.9	9.9	mg/Kg		04/30/18 05:03	04/30/18 15:45	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>180		50.0	50.0	Degrees F			05/01/18 09:30	1
pH	9.1	HF	0.1	0.1	SU			04/25/18 14:13	1
Temperature	20.1	HF	0.001	0.001	Degrees C			04/25/18 14:13	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Client Sample ID: X-2-042018

Lab Sample ID: 480-134628-6

Date Collected: 04/20/18 00:00

Matrix: Solid

Date Received: 04/21/18 01:45

Percent Solids: 85.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		2000	290	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
bis (2-chloroisopropyl) ether	ND		2000	400	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
2,4,5-Trichlorophenol	ND		2000	540	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
2,4,6-Trichlorophenol	ND		2000	400	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
2,4-Dichlorophenol	ND		2000	210	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
2,4-Dimethylphenol	ND		2000	480	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
2,4-Dinitrophenol	ND		19000	9200	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
2,4-Dinitrotoluene	ND		2000	410	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
2,6-Dinitrotoluene	ND		2000	230	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
2-Chloronaphthalene	ND		2000	330	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
2-Chlorophenol	ND		2000	360	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
2-Methylnaphthalene	ND		2000	400	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
2-Methylphenol	ND		2000	230	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
2-Nitroaniline	ND		3900	290	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
2-Nitrophenol	ND		2000	560	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
3,3'-Dichlorobenzidine	ND		3900	2300	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
3-Nitroaniline	ND		3900	550	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
4,6-Dinitro-2-methylphenol	ND		3900	2000	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
4-Bromophenyl phenyl ether	ND		2000	280	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
4-Chloro-3-methylphenol	ND		2000	490	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
4-Chloroaniline	ND		2000	490	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
4-Chlorophenyl phenyl ether	ND		2000	250	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
4-Methylphenol	ND		3900	230	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
4-Nitroaniline	ND		3900	1000	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
4-Nitrophenol	ND		3900	1400	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Acenaphthene	ND		2000	290	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Acenaphthylene	ND		2000	260	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Acetophenone	ND		2000	270	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Anthracene	600 J		2000	490	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Atrazine	ND		2000	690	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Benzaldehyde	ND		2000	1600	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Benzo[a]anthracene	2000		2000	200	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Benzo[a]pyrene	2000		2000	290	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Benzo[b]fluoranthene	2400		2000	320	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Benzo[g,h,i]perylene	1200 J		2000	210	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Benzo[k]fluoranthene	1400 J		2000	260	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Bis(2-chloroethoxy)methane	ND		2000	420	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Bis(2-chloroethyl)ether	ND		2000	260	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Bis(2-ethylhexyl) phthalate	ND		2000	680	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Butyl benzyl phthalate	ND		2000	330	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Caprolactam	ND		2000	600	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Carbazole	230 J		2000	230	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Chrysene	2200		2000	440	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Di-n-butyl phthalate	ND		2000	340	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Di-n-octyl phthalate	ND		2000	230	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Dibenz(a,h)anthracene	ND		2000	350	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Dibenzofuran	ND		2000	230	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Diethyl phthalate	ND		2000	260	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Dimethyl phthalate	ND		2000	230	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Client Sample ID: X-2-042018

Lab Sample ID: 480-134628-6

Date Collected: 04/20/18 00:00

Matrix: Solid

Date Received: 04/21/18 01:45

Percent Solids: 85.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	4200		2000	210	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Fluorene	ND		2000	230	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Hexachlorobenzene	ND		2000	270	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Hexachlorobutadiene	ND		2000	290	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Hexachlorocyclopentadiene	ND		2000	270	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Hexachloroethane	ND		2000	260	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Indeno[1,2,3-cd]pyrene	1200 J		2000	250	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Isophorone	ND		2000	420	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
N-Nitrosodi-n-propylamine	ND		2000	340	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
N-Nitrosodiphenylamine	ND		2000	1600	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Naphthalene	ND		2000	260	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Nitrobenzene	ND		2000	220	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Pentachlorophenol	ND		3900	2000	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Phenanthrene	2200		2000	290	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Phenol	ND		2000	300	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Pyrene	3600		2000	230	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	75		54 - 120	05/02/18 07:03	05/04/18 02:14	10
2-Fluorobiphenyl	84		60 - 120	05/02/18 07:03	05/04/18 02:14	10
2-Fluorophenol	87		52 - 120	05/02/18 07:03	05/04/18 02:14	10
Nitrobenzene-d5	75		53 - 120	05/02/18 07:03	05/04/18 02:14	10
p-Terphenyl-d14	98		65 - 121	05/02/18 07:03	05/04/18 02:14	10
Phenol-d5	78		54 - 120	05/02/18 07:03	05/04/18 02:14	10

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		96	19	ug/Kg	☼	04/24/18 07:51	04/26/18 14:36	50
4,4'-DDE	ND		96	20	ug/Kg	☼	04/24/18 07:51	04/26/18 14:36	50
4,4'-DDT	ND		96	22	ug/Kg	☼	04/24/18 07:51	04/26/18 14:36	50
Aldrin	ND		96	24	ug/Kg	☼	04/24/18 07:51	04/26/18 14:36	50
alpha-BHC	ND		96	17	ug/Kg	☼	04/24/18 07:51	04/26/18 14:36	50
cis-Chlordane	ND		96	48	ug/Kg	☼	04/24/18 07:51	04/26/18 14:36	50
beta-BHC	ND		96	17	ug/Kg	☼	04/24/18 07:51	04/26/18 14:36	50
delta-BHC	ND		96	18	ug/Kg	☼	04/24/18 07:51	04/26/18 14:36	50
Dieldrin	ND		96	23	ug/Kg	☼	04/24/18 07:51	04/26/18 14:36	50
Endosulfan I	ND		96	18	ug/Kg	☼	04/24/18 07:51	04/26/18 14:36	50
Endosulfan II	ND		96	17	ug/Kg	☼	04/24/18 07:51	04/26/18 14:36	50
Endosulfan sulfate	ND		96	18	ug/Kg	☼	04/24/18 07:51	04/26/18 14:36	50
Endrin	ND		96	19	ug/Kg	☼	04/24/18 07:51	04/26/18 14:36	50
Endrin aldehyde	ND		96	25	ug/Kg	☼	04/24/18 07:51	04/26/18 14:36	50
Endrin ketone	ND		96	24	ug/Kg	☼	04/24/18 07:51	04/26/18 14:36	50
gamma-BHC (Lindane)	ND		96	18	ug/Kg	☼	04/24/18 07:51	04/26/18 14:36	50
trans-Chlordane	ND		96	31	ug/Kg	☼	04/24/18 07:51	04/26/18 14:36	50
Heptachlor	ND		96	21	ug/Kg	☼	04/24/18 07:51	04/26/18 14:36	50
Heptachlor epoxide	ND		96	25	ug/Kg	☼	04/24/18 07:51	04/26/18 14:36	50
Methoxychlor	ND		96	20	ug/Kg	☼	04/24/18 07:51	04/26/18 14:36	50
Toxaphene	ND		960	560	ug/Kg	☼	04/24/18 07:51	04/26/18 14:36	50

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Client Sample ID: X-2-042018

Lab Sample ID: 480-134628-6

Date Collected: 04/20/18 00:00

Matrix: Solid

Date Received: 04/21/18 01:45

Percent Solids: 85.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	X	45 - 120	04/24/18 07:51	04/26/18 14:36	50
Tetrachloro-m-xylene	0	X	30 - 124	04/24/18 07:51	04/26/18 14:36	50

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.21	0.041	mg/Kg	☼	04/27/18 07:20	04/30/18 21:56	1
PCB-1221	ND		0.21	0.041	mg/Kg	☼	04/27/18 07:20	04/30/18 21:56	1
PCB-1232	ND		0.21	0.041	mg/Kg	☼	04/27/18 07:20	04/30/18 21:56	1
PCB-1242	ND		0.21	0.041	mg/Kg	☼	04/27/18 07:20	04/30/18 21:56	1
PCB-1248	ND		0.21	0.041	mg/Kg	☼	04/27/18 07:20	04/30/18 21:56	1
PCB-1254	ND		0.21	0.098	mg/Kg	☼	04/27/18 07:20	04/30/18 21:56	1
PCB-1260	ND		0.21	0.098	mg/Kg	☼	04/27/18 07:20	04/30/18 21:56	1
PCB-1262	ND		0.21	0.098	mg/Kg	☼	04/27/18 07:20	04/30/18 21:56	1
PCB-1268	ND		0.21	0.098	mg/Kg	☼	04/27/18 07:20	04/30/18 21:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	91		60 - 154	04/27/18 07:20	04/30/18 21:56	1
DCB Decachlorobiphenyl	93		65 - 174	04/27/18 07:20	04/30/18 21:56	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6760		11.6	5.1	mg/Kg	☼	04/21/18 11:57	04/24/18 11:57	1
Antimony	ND		17.4	0.46	mg/Kg	☼	04/21/18 11:57	04/24/18 11:57	1
Arsenic	5.0		2.3	0.46	mg/Kg	☼	04/21/18 11:57	04/24/18 11:57	1
Barium	72.9		0.58	0.13	mg/Kg	☼	04/21/18 11:57	04/24/18 11:57	1
Beryllium	0.34		0.23	0.032	mg/Kg	☼	04/21/18 11:57	04/24/18 11:57	1
Cadmium	0.29		0.23	0.035	mg/Kg	☼	04/21/18 11:57	04/24/18 11:57	1
Calcium	128000	B	290	19.1	mg/Kg	☼	04/21/18 11:57	04/25/18 10:15	5
Chromium	13.2	B	0.58	0.23	mg/Kg	☼	04/21/18 11:57	04/24/18 11:57	1
Cobalt	3.7		0.58	0.058	mg/Kg	☼	04/21/18 11:57	04/24/18 11:57	1
Copper	42.6		5.8	1.2	mg/Kg	☼	04/21/18 11:57	04/25/18 10:15	5
Iron	16200	B	11.6	4.1	mg/Kg	☼	04/21/18 11:57	04/24/18 11:57	1
Lead	38.7		1.2	0.28	mg/Kg	☼	04/21/18 11:57	04/24/18 11:57	1
Magnesium	7790		23.2	1.1	mg/Kg	☼	04/21/18 11:57	04/24/18 11:57	1
Manganese	323	^	0.23	0.037	mg/Kg	☼	04/21/18 11:57	04/24/18 11:57	1
Nickel	14.1		5.8	0.27	mg/Kg	☼	04/21/18 11:57	04/24/18 11:57	1
Potassium	1900		34.8	23.2	mg/Kg	☼	04/21/18 11:57	04/24/18 11:57	1
Selenium	ND		4.6	0.46	mg/Kg	☼	04/21/18 11:57	04/24/18 11:57	1
Silver	ND		0.70	0.23	mg/Kg	☼	04/21/18 11:57	04/24/18 11:57	1
Sodium	196		162	15.1	mg/Kg	☼	04/21/18 11:57	04/24/18 11:57	1
Thallium	ND		7.0	0.35	mg/Kg	☼	04/21/18 11:57	04/24/18 11:57	1
Vanadium	21.8		0.58	0.13	mg/Kg	☼	04/21/18 11:57	04/24/18 11:57	1
Zinc	99.9		2.3	0.74	mg/Kg	☼	04/21/18 11:57	04/24/18 11:57	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.062		0.023	0.0095	mg/Kg	☼	05/02/18 15:10	05/02/18 16:46	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Client Sample ID: NE-SE BERM-042018

Lab Sample ID: 480-134628-7

Date Collected: 04/20/18 09:30

Matrix: Solid

Date Received: 04/21/18 01:45

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			05/08/18 23:33	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/08/18 23:33	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/08/18 23:33	10
Chloroform	ND		0.010	0.0034	mg/L			05/08/18 23:33	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/08/18 23:33	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/08/18 23:33	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/08/18 23:33	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/08/18 23:33	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/08/18 23:33	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/08/18 23:33	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		05/08/18 23:33	10
Toluene-d8 (Surr)	94		80 - 120		05/08/18 23:33	10
4-Bromofluorobenzene (Surr)	104		73 - 120		05/08/18 23:33	10
Dibromofluoromethane (Surr)	106		75 - 123		05/08/18 23:33	10

Client Sample ID: E-BERM-042018

Lab Sample ID: 480-134628-8

Date Collected: 04/20/18 10:15

Matrix: Solid

Date Received: 04/21/18 01:45

Percent Solids: 91.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.4	0.39	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
1,1,2,2-Tetrachloroethane	ND	vs	5.4	0.87	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
1,1,2-Trichloroethane	ND	vs	5.4	0.70	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.4	1.2	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
1,1-Dichloroethane	ND	vs	5.4	0.66	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
1,1-Dichloroethene	ND	vs	5.4	0.66	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
1,2,4-Trichlorobenzene	ND	vs	5.4	0.33	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.4	2.7	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
1,2-Dichlorobenzene	ND	vs	5.4	0.42	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
1,2-Dichloroethane	ND	vs	5.4	0.27	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
1,2-Dichloropropane	ND	vs	5.4	2.7	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
1,3-Dichlorobenzene	ND	vs	5.4	0.28	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
1,4-Dichlorobenzene	ND	vs	5.4	0.75	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
2-Butanone (MEK)	ND	vs	27	2.0	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
2-Hexanone	ND	vs	27	2.7	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
4-Methyl-2-pentanone (MIBK)	ND	vs	27	1.8	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Acetone	ND	vs	27	4.5	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Benzene	ND	vs	5.4	0.26	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Bromodichloromethane	ND	vs	5.4	0.72	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Bromoform	ND	vs	5.4	2.7	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Bromomethane	ND	vs	5.4	0.48	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Carbon disulfide	ND	vs	5.4	2.7	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Carbon tetrachloride	ND	vs	5.4	0.52	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Chlorobenzene	ND	vs	5.4	0.71	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Dibromochloromethane	ND	vs	5.4	0.69	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Chloroethane	ND	vs	5.4	1.2	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Chloroform	ND	vs	5.4	0.33	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Client Sample ID: E-BERM-042018

Lab Sample ID: 480-134628-8

Date Collected: 04/20/18 10:15

Matrix: Solid

Date Received: 04/21/18 01:45

Percent Solids: 91.1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND	vs	5.4	0.32	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
cis-1,2-Dichloroethene	ND	vs	5.4	0.69	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
cis-1,3-Dichloropropene	ND	vs	5.4	0.77	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Cyclohexane	ND	vs	5.4	0.75	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Dichlorodifluoromethane	ND	vs	5.4	0.44	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Ethylbenzene	ND	vs	5.4	0.37	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
1,2-Dibromoethane	ND	vs	5.4	0.69	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Isopropylbenzene	ND	vs	5.4	0.81	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Methyl acetate	ND	vs	27	3.2	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Methyl tert-butyl ether	ND	vs	5.4	0.53	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Methylcyclohexane	ND	vs	5.4	0.82	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Methylene Chloride	5.2	J vs	5.4	2.5	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Styrene	ND	vs	5.4	0.27	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Tetrachloroethene	ND	vs	5.4	0.72	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Toluene	ND	vs	5.4	0.41	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
trans-1,2-Dichloroethene	ND	vs	5.4	0.55	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
trans-1,3-Dichloropropene	ND	vs	5.4	2.4	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Trichloroethene	ND	vs	5.4	1.2	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Trichlorofluoromethane	ND	vs	5.4	0.51	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Vinyl chloride	ND	vs	5.4	0.66	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Xylenes, Total	ND	vs	11	0.90	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		71 - 125	04/23/18 09:21	04/23/18 19:10	1
1,2-Dichloroethane-d4 (Surr)	105		64 - 126	04/23/18 09:21	04/23/18 19:10	1
4-Bromofluorobenzene (Surr)	102		72 - 126	04/23/18 09:21	04/23/18 19:10	1
Dibromofluoromethane (Surr)	106		60 - 140	04/23/18 09:21	04/23/18 19:10	1

Client Sample ID: NW-SW-BERM-042018

Lab Sample ID: 480-134628-9

Date Collected: 04/20/18 10:30

Matrix: Solid

Date Received: 04/21/18 01:45

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			05/08/18 23:57	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/08/18 23:57	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/08/18 23:57	10
Chloroform	ND		0.010	0.0034	mg/L			05/08/18 23:57	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/08/18 23:57	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/08/18 23:57	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/08/18 23:57	10
Tetrachloroethene	0.0057	J	0.010	0.0036	mg/L			05/08/18 23:57	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/08/18 23:57	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/08/18 23:57	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		05/08/18 23:57	10
Toluene-d8 (Surr)	92		80 - 120		05/08/18 23:57	10
4-Bromofluorobenzene (Surr)	98		73 - 120		05/08/18 23:57	10
Dibromofluoromethane (Surr)	100		75 - 123		05/08/18 23:57	10

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Client Sample ID: W-BERM-042018

Lab Sample ID: 480-134628-10

Date Collected: 04/20/18 11:00

Matrix: Solid

Date Received: 04/21/18 01:45

Percent Solids: 86.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.7	0.42	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
1,1,2,2-Tetrachloroethane	ND	vs	5.7	0.93	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
1,1,2-Trichloroethane	ND	vs	5.7	0.75	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.7	1.3	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
1,1-Dichloroethane	ND	vs	5.7	0.70	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
1,1-Dichloroethene	ND	vs	5.7	0.70	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
1,2,4-Trichlorobenzene	ND	vs	5.7	0.35	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.7	2.9	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
1,2-Dichlorobenzene	ND	vs	5.7	0.45	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
1,2-Dichloroethane	ND	vs	5.7	0.29	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
1,2-Dichloropropane	ND	vs	5.7	2.9	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
1,3-Dichlorobenzene	ND	vs	5.7	0.29	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
1,4-Dichlorobenzene	ND	vs	5.7	0.80	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
2-Butanone (MEK)	ND	vs	29	2.1	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
2-Hexanone	ND	vs	29	2.9	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
4-Methyl-2-pentanone (MIBK)	ND	vs	29	1.9	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Acetone	ND	vs	29	4.8	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Benzene	ND	vs	5.7	0.28	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Bromodichloromethane	ND	vs	5.7	0.77	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Bromoform	ND	vs	5.7	2.9	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Bromomethane	ND	vs	5.7	0.52	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Carbon disulfide	ND	vs	5.7	2.9	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Carbon tetrachloride	ND	vs	5.7	0.56	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Chlorobenzene	ND	vs	5.7	0.76	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Dibromochloromethane	ND	vs	5.7	0.73	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Chloroethane	ND	vs	5.7	1.3	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Chloroform	ND	vs	5.7	0.35	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Chloromethane	ND	vs	5.7	0.35	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
cis-1,2-Dichloroethene	ND	vs	5.7	0.73	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
cis-1,3-Dichloropropene	ND	vs	5.7	0.83	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Cyclohexane	ND	vs	5.7	0.80	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Dichlorodifluoromethane	ND	vs	5.7	0.47	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Ethylbenzene	ND	vs	5.7	0.40	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
1,2-Dibromoethane	ND	vs	5.7	0.74	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Isopropylbenzene	ND	vs	5.7	0.86	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Methyl acetate	ND	vs	29	3.5	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Methyl tert-butyl ether	ND	vs	5.7	0.56	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Methylcyclohexane	ND	vs	5.7	0.87	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Methylene Chloride	7.4	vs	5.7	2.6	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Styrene	ND	vs	5.7	0.29	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Tetrachloroethene	2.3	J vs	5.7	0.77	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Toluene	ND	vs	5.7	0.43	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
trans-1,2-Dichloroethene	ND	vs	5.7	0.59	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
trans-1,3-Dichloropropene	ND	vs	5.7	2.5	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Trichloroethene	ND	vs	5.7	1.3	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Trichlorofluoromethane	ND	vs	5.7	0.54	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Vinyl chloride	ND	vs	5.7	0.70	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Xylenes, Total	ND	vs	11	0.96	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Client Sample ID: W-BERM-042018

Date Collected: 04/20/18 11:00

Date Received: 04/21/18 01:45

Lab Sample ID: 480-134628-10

Matrix: Solid

Percent Solids: 86.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		71 - 125	04/23/18 09:21	04/23/18 19:36	1
1,2-Dichloroethane-d4 (Surr)	105		64 - 126	04/23/18 09:21	04/23/18 19:36	1
4-Bromofluorobenzene (Surr)	99		72 - 126	04/23/18 09:21	04/23/18 19:36	1
Dibromofluoromethane (Surr)	108		60 - 140	04/23/18 09:21	04/23/18 19:36	1

Client Sample ID: X-1-042018

Date Collected: 04/20/18 00:00

Date Received: 04/21/18 01:45

Lab Sample ID: 480-134628-11

Matrix: Solid

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			05/09/18 00:21	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/09/18 00:21	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/09/18 00:21	10
Chloroform	ND		0.010	0.0034	mg/L			05/09/18 00:21	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/09/18 00:21	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/09/18 00:21	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/09/18 00:21	10
Tetrachloroethene	0.0071	J	0.010	0.0036	mg/L			05/09/18 00:21	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/09/18 00:21	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/09/18 00:21	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120					05/09/18 00:21	10
Toluene-d8 (Surr)	90		80 - 120					05/09/18 00:21	10
4-Bromofluorobenzene (Surr)	98		73 - 120					05/09/18 00:21	10
Dibromofluoromethane (Surr)	103		75 - 123					05/09/18 00:21	10

Client Sample ID: X-2-042018

Date Collected: 04/20/18 00:00

Date Received: 04/21/18 01:45

Lab Sample ID: 480-134628-12

Matrix: Solid

Percent Solids: 89.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.6	0.40	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
1,1,2,2-Tetrachloroethane	ND	vs F1	5.6	0.90	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
1,1,2-Trichloroethane	ND	vs F1	5.6	0.72	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.6	1.3	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
1,1-Dichloroethane	ND	vs	5.6	0.68	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
1,1-Dichloroethene	ND	vs	5.6	0.68	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
1,2,4-Trichlorobenzene	ND	vs F1	5.6	0.34	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
1,2-Dibromo-3-Chloropropane	ND	vs F1	5.6	2.8	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
1,2-Dichlorobenzene	ND	vs F1	5.6	0.43	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
1,2-Dichloroethane	ND	vs F1	5.6	0.28	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
1,2-Dichloropropane	ND	vs	5.6	2.8	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
1,3-Dichlorobenzene	ND	vs F1	5.6	0.29	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
1,4-Dichlorobenzene	ND	vs F1	5.6	0.78	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
2-Butanone (MEK)	ND	vs F1	28	2.0	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
2-Hexanone	ND	vs F1	28	2.8	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
4-Methyl-2-pentanone (MIBK)	ND	vs F1	28	1.8	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Acetone	ND	vs F1	28	4.7	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Client Sample ID: X-2-042018

Lab Sample ID: 480-134628-12

Date Collected: 04/20/18 00:00

Matrix: Solid

Date Received: 04/21/18 01:45

Percent Solids: 89.9

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	vs	5.6	0.27	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Bromodichloromethane	ND	vs F1	5.6	0.74	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Bromoform	ND	vs F1	5.6	2.8	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Bromomethane	ND	vs	5.6	0.50	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Carbon disulfide	ND	vs F1	5.6	2.8	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Carbon tetrachloride	ND	vs F1	5.6	0.54	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Chlorobenzene	ND	vs F1	5.6	0.73	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Dibromochloromethane	ND	vs F1	5.6	0.71	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Chloroethane	ND	vs	5.6	1.3	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Chloroform	ND	vs	5.6	0.34	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Chloromethane	ND	vs	5.6	0.34	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
cis-1,2-Dichloroethene	ND	vs F1	5.6	0.71	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
cis-1,3-Dichloropropene	ND	vs F1	5.6	0.80	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Cyclohexane	ND	vs	5.6	0.78	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Dichlorodifluoromethane	ND	vs	5.6	0.46	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Ethylbenzene	ND	vs F1	5.6	0.38	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
1,2-Dibromoethane	ND	vs F1	5.6	0.71	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Isopropylbenzene	ND	vs	5.6	0.84	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Methyl acetate	ND	vs	28	3.4	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Methyl tert-butyl ether	ND	vs	5.6	0.55	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Methylcyclohexane	ND	vs F1	5.6	0.84	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Methylene Chloride	6.5	vs	5.6	2.6	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Styrene	ND	vs F1	5.6	0.28	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Tetrachloroethene	7.4	vs	5.6	0.75	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Toluene	ND	vs	5.6	0.42	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
trans-1,2-Dichloroethene	ND	vs F1	5.6	0.57	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
trans-1,3-Dichloropropene	ND	vs F1	5.6	2.4	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Trichloroethene	1.5	J vs F1	5.6	1.2	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Trichlorofluoromethane	ND	vs	5.6	0.53	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Vinyl chloride	ND	vs	5.6	0.68	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Xylenes, Total	ND	vs F1	11	0.93	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	112		71 - 125	04/23/18 09:21	04/23/18 20:01	1
1,2-Dichloroethane-d4 (Surr)	104		64 - 126	04/23/18 09:21	04/23/18 20:01	1
4-Bromofluorobenzene (Surr)	92		72 - 126	04/23/18 09:21	04/23/18 20:01	1
Dibromofluoromethane (Surr)	107		60 - 140	04/23/18 09:21	04/23/18 20:01	1

TestAmerica Buffalo

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Method: 8260C - TCLP Volatiles

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (80-120)	DCA (77-120)	BFB (73-120)	DBFM (75-123)
LCS 480-412741/5	Lab Control Sample	97	108	104	107
LCS 480-413229/5	Lab Control Sample	94	102	101	106
MB 480-412741/7	Method Blank	95	105	99	103
MB 480-413229/7	Method Blank	105	107	104	111
Surrogate Legend					
TOL = Toluene-d8 (Surr)					
DCA = 1,2-Dichloroethane-d4 (Surr)					
BFB = 4-Bromofluorobenzene (Surr)					
DBFM = Dibromofluoromethane (Surr)					

Method: 8260C - TCLP Volatiles

Matrix: Solid

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	TOL (80-120)	BFB (73-120)	DBFM (75-123)
480-134628-7	NE-SE BERM-042018	104	94	104	106
480-134628-9	NW-SW-BERM-042018	100	92	98	100
480-134628-11	X-1-042018	101	90	98	103
LB 480-411593/1-A	Method Blank	108	95	101	103
Surrogate Legend					
DCA = 1,2-Dichloroethane-d4 (Surr)					
TOL = Toluene-d8 (Surr)					
BFB = 4-Bromofluorobenzene (Surr)					
DBFM = Dibromofluoromethane (Surr)					

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (71-125)	DCA (64-126)	BFB (72-126)	DBFM (60-140)
480-134628-8	E-BERM-042018	105	105	102	106
480-134628-10	W-BERM-042018	105	105	99	108
480-134628-12	X-2-042018	112	104	92	107
480-134628-12 MS	X-2-042018	110	95	97	107
480-134628-12 MSD	X-2-042018	111	92	95	105
LCS 480-410288/1-A	Lab Control Sample	106	99	105	106
MB 480-410288/2-A	Method Blank	104	106	102	106
Surrogate Legend					
TOL = Toluene-d8 (Surr)					
DCA = 1,2-Dichloroethane-d4 (Surr)					
BFB = 4-Bromofluorobenzene (Surr)					
DBFM = Dibromofluoromethane (Surr)					

TestAmerica Buffalo

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (54-120)	FBP (60-120)	2FP (52-120)	NBZ (53-120)	TPHd14 (65-121)	PHL (54-120)
480-134628-2	E-BERM-042018	116	96	94	91	111	89
480-134628-4	W-BERM-042018	81	85	76	80	97	82
480-134628-6	X-2-042018	75	84	87	75	98	78
LCS 480-411993/2-A	Lab Control Sample	93	76	69	78	107	75
MB 480-411993/1-A	Method Blank	77	88	80	88	106	83

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
TPHd14 = p-Terphenyl-d14
PHL = Phenol-d5

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (41-120)	FBP (48-120)	2FP (35-120)	NBZ (46-120)	TPHd14 (59-136)	PHL (22-120)
LCS 480-412129/2-A	Lab Control Sample	100	86	44	82	100	30
LCSD 480-412129/3-A	Lab Control Sample Dup	91	84	43	77	100	30
MB 480-412129/1-A	Method Blank	89	98	48	95	111	33

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
TPHd14 = p-Terphenyl-d14
PHL = Phenol-d5

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (41-120)	FBP (48-120)	2FP (35-120)	NBZ (46-120)	TPHd14 (59-136)	PHL (22-120)
480-134628-1	NE-SE BERM-042018	95	82	45	77	104	30
480-134628-3	NW-SW-BERM-042018	89	77	42	78	106	29
480-134628-5	X-1-042018	95	85	42	80	102	29
LB 480-411629/1-D	Method Blank	87	85	44	81	104	32

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
TPHd14 = p-Terphenyl-d14
PHL = Phenol-d5

TestAmerica Buffalo

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCBP2 (45-120)	TCX2 (30-124)
480-134628-2	E-BERM-042018	0 X	0 X
480-134628-4	W-BERM-042018	0 X	0 X
480-134628-6	X-2-042018	0 X	0 X
LCS 480-410453/2-A	Lab Control Sample	73	53
MB 480-410453/1-A	Method Blank	73	54

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX1 (60-154)	DCBP1 (65-174)
480-134628-2	E-BERM-042018	100	91
480-134628-4	W-BERM-042018	105	101
480-134628-6	X-2-042018	91	93
LCS 480-411220/2-A	Lab Control Sample	128	124
MB 480-411220/1-A	Method Blank	106	106

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Method: 8260C - TCLP Volatiles

Lab Sample ID: MB 480-412741/7

Matrix: Solid

Analysis Batch: 412741

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.0010	0.00029	mg/L			05/05/18 10:08	1
1,2-Dichloroethane	ND		0.0010	0.00021	mg/L			05/05/18 10:08	1
2-Butanone (MEK)	ND		0.0050	0.0013	mg/L			05/05/18 10:08	1
Benzene	ND		0.0010	0.00041	mg/L			05/05/18 10:08	1
Carbon tetrachloride	ND		0.0010	0.00027	mg/L			05/05/18 10:08	1
Chlorobenzene	ND		0.0010	0.00075	mg/L			05/05/18 10:08	1
Chloroform	ND		0.0010	0.00034	mg/L			05/05/18 10:08	1
Tetrachloroethene	ND		0.0010	0.00036	mg/L			05/05/18 10:08	1
Trichloroethene	ND		0.0010	0.00046	mg/L			05/05/18 10:08	1
Vinyl chloride	ND		0.0010	0.00090	mg/L			05/05/18 10:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		80 - 120		05/05/18 10:08	1
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		05/05/18 10:08	1
4-Bromofluorobenzene (Surr)	99		73 - 120		05/05/18 10:08	1
Dibromofluoromethane (Surr)	103		75 - 123		05/05/18 10:08	1

Lab Sample ID: LCS 480-412741/5

Matrix: Solid

Analysis Batch: 412741

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.0250	0.0267		mg/L		107	66 - 127
1,2-Dichloroethane	0.0250	0.0270		mg/L		108	75 - 120
2-Butanone (MEK)	0.125	0.164		mg/L		131	57 - 140
Benzene	0.0250	0.0254		mg/L		102	71 - 124
Carbon tetrachloride	0.0250	0.0273		mg/L		109	72 - 134
Chlorobenzene	0.0250	0.0246		mg/L		98	80 - 120
Chloroform	0.0250	0.0247		mg/L		99	73 - 127
Tetrachloroethene	0.0250	0.0284		mg/L		113	74 - 122
Trichloroethene	0.0250	0.0252		mg/L		101	74 - 123
Vinyl chloride	0.0250	0.0249		mg/L		99	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	97		80 - 120
1,2-Dichloroethane-d4 (Surr)	108		77 - 120
4-Bromofluorobenzene (Surr)	104		73 - 120
Dibromofluoromethane (Surr)	107		75 - 123

Lab Sample ID: MB 480-413229/7

Matrix: Solid

Analysis Batch: 413229

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.0010	0.00029	mg/L			05/08/18 22:46	1
1,2-Dichloroethane	ND		0.0010	0.00021	mg/L			05/08/18 22:46	1
2-Butanone (MEK)	ND		0.0050	0.0013	mg/L			05/08/18 22:46	1

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Method: 8260C - TCLP Volatiles (Continued)

Lab Sample ID: MB 480-413229/7

Matrix: Solid

Analysis Batch: 413229

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0010	0.00041	mg/L			05/08/18 22:46	1
Carbon tetrachloride	ND		0.0010	0.00027	mg/L			05/08/18 22:46	1
Chlorobenzene	ND		0.0010	0.00075	mg/L			05/08/18 22:46	1
Chloroform	ND		0.0010	0.00034	mg/L			05/08/18 22:46	1
Tetrachloroethene	ND		0.0010	0.00036	mg/L			05/08/18 22:46	1
Trichloroethene	ND		0.0010	0.00046	mg/L			05/08/18 22:46	1
Vinyl chloride	ND		0.0010	0.00090	mg/L			05/08/18 22:46	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		80 - 120					05/08/18 22:46	1
1,2-Dichloroethane-d4 (Surr)	107		77 - 120					05/08/18 22:46	1
4-Bromofluorobenzene (Surr)	104		73 - 120					05/08/18 22:46	1
Dibromofluoromethane (Surr)	111		75 - 123					05/08/18 22:46	1

Lab Sample ID: LCS 480-413229/5

Matrix: Solid

Analysis Batch: 413229

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.0250	0.0263		mg/L		105	66 - 127
1,2-Dichloroethane	0.0250	0.0255		mg/L		102	75 - 120
2-Butanone (MEK)	0.125	0.149		mg/L		119	57 - 140
Benzene	0.0250	0.0256		mg/L		102	71 - 124
Carbon tetrachloride	0.0250	0.0261		mg/L		104	72 - 134
Chlorobenzene	0.0250	0.0243		mg/L		97	80 - 120
Chloroform	0.0250	0.0243		mg/L		97	73 - 127
Tetrachloroethene	0.0250	0.0281		mg/L		112	74 - 122
Trichloroethene	0.0250	0.0256		mg/L		103	74 - 123
Vinyl chloride	0.0250	0.0274		mg/L		110	65 - 133
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Toluene-d8 (Surr)	94		80 - 120				
1,2-Dichloroethane-d4 (Surr)	102		77 - 120				
4-Bromofluorobenzene (Surr)	101		73 - 120				
Dibromofluoromethane (Surr)	106		75 - 123				

Lab Sample ID: LB 480-411593/1-A

Matrix: Solid

Analysis Batch: 412741

Client Sample ID: Method Blank

Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/05/18 11:02	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/05/18 11:02	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/05/18 11:02	10
Benzene	ND		0.010	0.0041	mg/L			05/05/18 11:02	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/05/18 11:02	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/05/18 11:02	10
Chloroform	ND		0.010	0.0034	mg/L			05/05/18 11:02	10

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Method: 8260C - TCLP Volatiles (Continued)

Lab Sample ID: LB 480-411593/1-A

Matrix: Solid

Analysis Batch: 412741

Client Sample ID: Method Blank

Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/05/18 11:02	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/05/18 11:02	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/05/18 11:02	10
Surrogate	LB %Recovery	LB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		80 - 120					05/05/18 11:02	10
1,2-Dichloroethane-d4 (Surr)	108		77 - 120					05/05/18 11:02	10
4-Bromofluorobenzene (Surr)	101		73 - 120					05/05/18 11:02	10
Dibromofluoromethane (Surr)	103		75 - 123					05/05/18 11:02	10

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-410288/2-A

Matrix: Solid

Analysis Batch: 410294

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 410288

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
2-Hexanone	ND		25	2.5	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Acetone	ND		25	4.2	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Benzene	ND		5.0	0.25	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Bromoform	ND		5.0	2.5	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Bromomethane	ND		5.0	0.45	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Chloroethane	ND		5.0	1.1	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Chloroform	ND		5.0	0.31	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Chloromethane	ND		5.0	0.30	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Cyclohexane	ND		5.0	0.70	ug/Kg		04/23/18 09:21	04/23/18 14:45	1

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-410288/2-A

Matrix: Solid

Analysis Batch: 410294

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 410288

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Ethylbenzene	ND		5.0	0.35	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Methyl acetate	ND		25	3.0	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Styrene	ND		5.0	0.25	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Toluene	ND		5.0	0.38	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Trichloroethene	ND		5.0	1.1	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Xylenes, Total	ND		10	0.84	ug/Kg		04/23/18 09:21	04/23/18 14:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		71 - 125	04/23/18 09:21	04/23/18 14:45	1
1,2-Dichloroethane-d4 (Surr)	106		64 - 126	04/23/18 09:21	04/23/18 14:45	1
4-Bromofluorobenzene (Surr)	102		72 - 126	04/23/18 09:21	04/23/18 14:45	1
Dibromofluoromethane (Surr)	106		60 - 140	04/23/18 09:21	04/23/18 14:45	1

Lab Sample ID: LCS 480-410288/1-A

Matrix: Solid

Analysis Batch: 410294

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 410288

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	47.0		ug/Kg		94	77 - 121
1,1,2,2-Tetrachloroethane	50.0	48.1		ug/Kg		96	80 - 120
1,1,2-Trichloroethane	50.0	48.0		ug/Kg		96	78 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	47.8		ug/Kg		96	60 - 140
1,1-Dichloroethane	50.0	48.6		ug/Kg		97	73 - 126
1,1-Dichloroethene	50.0	47.4		ug/Kg		95	59 - 125
1,2,4-Trichlorobenzene	50.0	46.9		ug/Kg		94	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	42.6		ug/Kg		85	63 - 124
1,2-Dichlorobenzene	50.0	48.9		ug/Kg		98	75 - 120
1,2-Dichloroethane	50.0	45.6		ug/Kg		91	77 - 122
1,2-Dichloropropane	50.0	48.8		ug/Kg		98	75 - 124
1,3-Dichlorobenzene	50.0	49.8		ug/Kg		100	74 - 120
1,4-Dichlorobenzene	50.0	49.9		ug/Kg		100	73 - 120
2-Butanone (MEK)	250	240		ug/Kg		96	70 - 134
2-Hexanone	250	230		ug/Kg		92	59 - 130
4-Methyl-2-pentanone (MIBK)	250	225		ug/Kg		90	65 - 133
Acetone	250	236		ug/Kg		95	61 - 137
Benzene	50.0	49.9		ug/Kg		100	79 - 127

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-410288/1-A

Matrix: Solid

Analysis Batch: 410294

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 410288

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromodichloromethane	50.0	48.4		ug/Kg		97	80 - 122
Bromoform	50.0	46.1		ug/Kg		92	68 - 126
Bromomethane	50.0	44.4		ug/Kg		89	37 - 149
Carbon disulfide	50.0	56.0		ug/Kg		112	64 - 131
Carbon tetrachloride	50.0	45.6		ug/Kg		91	75 - 135
Chlorobenzene	50.0	51.1		ug/Kg		102	76 - 124
Dibromochloromethane	50.0	50.2		ug/Kg		100	76 - 125
Chloroethane	50.0	43.0		ug/Kg		86	69 - 135
Chloroform	50.0	49.4		ug/Kg		99	80 - 120
Chloromethane	50.0	40.4		ug/Kg		81	63 - 127
cis-1,2-Dichloroethene	50.0	49.7		ug/Kg		99	81 - 120
cis-1,3-Dichloropropene	50.0	47.8		ug/Kg		96	80 - 120
Cyclohexane	50.0	48.4		ug/Kg		97	65 - 120
Dichlorodifluoromethane	50.0	45.3		ug/Kg		91	57 - 142
Ethylbenzene	50.0	50.9		ug/Kg		102	80 - 120
1,2-Dibromoethane	50.0	49.3		ug/Kg		99	78 - 120
Isopropylbenzene	50.0	50.2		ug/Kg		100	72 - 120
Methyl acetate	100	93.5		ug/Kg		93	55 - 136
Methyl tert-butyl ether	50.0	44.8		ug/Kg		90	63 - 125
Methylcyclohexane	50.0	48.5		ug/Kg		97	60 - 140
Methylene Chloride	50.0	42.4		ug/Kg		85	61 - 127
Styrene	50.0	50.3		ug/Kg		101	80 - 120
Tetrachloroethene	50.0	53.2		ug/Kg		106	74 - 122
Toluene	50.0	49.8		ug/Kg		100	74 - 128
trans-1,2-Dichloroethene	50.0	50.7		ug/Kg		101	78 - 126
trans-1,3-Dichloropropene	50.0	46.7		ug/Kg		93	73 - 123
Trichloroethene	50.0	51.6		ug/Kg		103	77 - 129
Trichlorofluoromethane	50.0	48.2		ug/Kg		96	65 - 146
Vinyl chloride	50.0	41.1		ug/Kg		82	61 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	106		71 - 125
1,2-Dichloroethane-d4 (Surr)	99		64 - 126
4-Bromofluorobenzene (Surr)	105		72 - 126
Dibromofluoromethane (Surr)	106		60 - 140

Lab Sample ID: 480-134628-12 MS

Matrix: Solid

Analysis Batch: 410294

Client Sample ID: X-2-042018

Prep Type: Total/NA

Prep Batch: 410288

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND	vs	55.5	46.8	vs	ug/Kg	☼	84	77 - 121
1,1,2,2-Tetrachloroethane	ND	vs F1	55.5	44.2	vs	ug/Kg	☼	80	80 - 120
1,1,2-Trichloroethane	ND	vs F1	55.5	43.7	vs	ug/Kg	☼	79	78 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	55.5	49.7	vs	ug/Kg	☼	89	60 - 140
1,1-Dichloroethane	ND	vs	55.5	49.9	vs	ug/Kg	☼	90	73 - 126
1,1-Dichloroethene	ND	vs	55.5	47.0	vs	ug/Kg	☼	85	59 - 125

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-134628-12 MS

Matrix: Solid

Analysis Batch: 410294

Client Sample ID: X-2-042018

Prep Type: Total/NA

Prep Batch: 410288

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	ND	vs F1	55.5	13.5	vs F1	ug/Kg	✱	24	64 - 120
1,2-Dibromo-3-Chloropropane	ND	vs F1	55.5	28.3	vs F1	ug/Kg	✱	51	63 - 124
1,2-Dichlorobenzene	ND	vs F1	55.5	30.5	vs F1	ug/Kg	✱	55	75 - 120
1,2-Dichloroethane	ND	vs F1	55.5	41.7	vs F1	ug/Kg	✱	75	77 - 122
1,2-Dichloropropane	ND	vs	55.5	47.6	vs	ug/Kg	✱	86	75 - 124
1,3-Dichlorobenzene	ND	vs F1	55.5	28.9	vs F1	ug/Kg	✱	52	74 - 120
1,4-Dichlorobenzene	ND	vs F1	55.5	27.7	vs F1	ug/Kg	✱	50	73 - 120
2-Butanone (MEK)	ND	vs F1	278	175	vs F1	ug/Kg	✱	63	70 - 134
2-Hexanone	ND	vs F1	278	159	vs F1	ug/Kg	✱	57	59 - 130
4-Methyl-2-pentanone (MIBK)	ND	vs F1	278	184	vs	ug/Kg	✱	66	65 - 133
Acetone	ND	vs F1	278	175	vs	ug/Kg	✱	63	61 - 137
Benzene	ND	vs	55.5	48.0	vs	ug/Kg	✱	86	79 - 127
Bromodichloromethane	ND	vs F1	55.5	44.7	vs	ug/Kg	✱	80	80 - 122
Bromoform	ND	vs F1	55.5	32.1	vs F1	ug/Kg	✱	58	68 - 126
Bromomethane	ND	vs	55.5	48.1	vs	ug/Kg	✱	87	37 - 149
Carbon disulfide	ND	vs F1	55.5	39.4	vs	ug/Kg	✱	71	64 - 131
Carbon tetrachloride	ND	vs F1	55.5	42.3	vs	ug/Kg	✱	76	75 - 135
Chlorobenzene	ND	vs F1	55.5	38.3	vs F1	ug/Kg	✱	69	76 - 124
Dibromochloromethane	ND	vs F1	55.5	42.3	vs	ug/Kg	✱	76	76 - 125
Chloroethane	ND	vs	55.5	50.7	vs	ug/Kg	✱	91	69 - 135
Chloroform	ND	vs	55.5	49.1	vs	ug/Kg	✱	88	80 - 120
Chloromethane	ND	vs	55.5	45.6	vs	ug/Kg	✱	82	63 - 127
cis-1,2-Dichloroethene	ND	vs F1	55.5	45.5	vs	ug/Kg	✱	82	80 - 120
cis-1,3-Dichloropropene	ND	vs F1	55.5	35.2	vs F1	ug/Kg	✱	63	80 - 120
Cyclohexane	ND	vs	55.5	41.9	vs	ug/Kg	✱	75	65 - 120
Dichlorodifluoromethane	ND	vs	55.5	51.5	vs	ug/Kg	✱	93	57 - 142
Ethylbenzene	ND	vs F1	55.5	41.1	vs F1	ug/Kg	✱	74	80 - 120
1,2-Dibromoethane	ND	vs F1	55.5	37.4	vs F1	ug/Kg	✱	67	78 - 120
Isopropylbenzene	ND	vs	55.5	47.2	vs	ug/Kg	✱	85	72 - 120
Methyl acetate	ND	vs	111	89.8	vs	ug/Kg	✱	81	55 - 136
Methyl tert-butyl ether	ND	vs	55.5	44.6	vs	ug/Kg	✱	80	63 - 125
Methylcyclohexane	ND	vs F1	55.5	34.6	vs	ug/Kg	✱	62	60 - 140
Methylene Chloride	6.5	vs	55.5	50.0	vs	ug/Kg	✱	78	61 - 127
Styrene	ND	vs F1	55.5	34.2	vs F1	ug/Kg	✱	62	80 - 120
Tetrachloroethene	7.4	vs	55.5	53.4	vs	ug/Kg	✱	83	74 - 122
Toluene	ND	vs	55.5	44.3	vs	ug/Kg	✱	80	74 - 128
trans-1,2-Dichloroethene	ND	vs F1	55.5	43.8	vs	ug/Kg	✱	79	78 - 126
trans-1,3-Dichloropropene	ND	vs F1	55.5	32.4	vs F1	ug/Kg	✱	58	73 - 123
Trichloroethene	1.5	J vs F1	55.5	43.2	vs F1	ug/Kg	✱	75	77 - 129
Trichlorofluoromethane	ND	vs	55.5	57.4	vs	ug/Kg	✱	103	65 - 146
Vinyl chloride	ND	vs	55.5	43.0	vs	ug/Kg	✱	77	61 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	110		71 - 125
1,2-Dichloroethane-d4 (Surr)	95		64 - 126
4-Bromofluorobenzene (Surr)	97		72 - 126
Dibromofluoromethane (Surr)	107		60 - 140

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-134628-12 MSD

Matrix: Solid

Analysis Batch: 410294

Client Sample ID: X-2-042018

Prep Type: Total/NA

Prep Batch: 410288

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND	vs	54.6	43.1	vs	ug/Kg	✱	79	77 - 121	8	30
1,1,1,2-Tetrachloroethane	ND	vs F1	54.6	41.4	vs F1	ug/Kg	✱	76	80 - 120	6	30
1,1,2-Trichloroethane	ND	vs F1	54.6	40.6	vs F1	ug/Kg	✱	74	78 - 122	7	30
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	54.6	43.6	vs	ug/Kg	✱	80	60 - 140	13	30
1,1-Dichloroethane	ND	vs	54.6	46.3	vs	ug/Kg	✱	85	73 - 126	7	30
1,1-Dichloroethene	ND	vs	54.6	42.4	vs	ug/Kg	✱	78	59 - 125	10	30
1,2,4-Trichlorobenzene	ND	vs F1	54.6	11.1	vs F1	ug/Kg	✱	20	64 - 120	19	30
1,2-Dibromo-3-Chloropropane	ND	vs F1	54.6	25.6	vs F1	ug/Kg	✱	47	63 - 124	10	30
1,2-Dichlorobenzene	ND	vs F1	54.6	26.7	vs F1	ug/Kg	✱	49	75 - 120	13	30
1,2-Dichloroethane	ND	vs F1	54.6	38.5	vs F1	ug/Kg	✱	71	77 - 122	8	30
1,2-Dichloropropane	ND	vs	54.6	44.1	vs	ug/Kg	✱	81	75 - 124	8	30
1,3-Dichlorobenzene	ND	vs F1	54.6	25.2	vs F1	ug/Kg	✱	46	74 - 120	14	30
1,4-Dichlorobenzene	ND	vs F1	54.6	23.8	vs F1	ug/Kg	✱	44	73 - 120	15	30
2-Butanone (MEK)	ND	vs F1	273	156	vs F1	ug/Kg	✱	57	70 - 134	12	30
2-Hexanone	ND	vs F1	273	146	vs F1	ug/Kg	✱	54	59 - 130	8	30
4-Methyl-2-pentanone (MIBK)	ND	vs F1	273	167	vs F1	ug/Kg	✱	61	65 - 133	10	30
Acetone	ND	vs F1	273	164	vs F1	ug/Kg	✱	60	61 - 137	6	30
Benzene	ND	vs	54.6	44.0	vs	ug/Kg	✱	81	79 - 127	9	30
Bromodichloromethane	ND	vs F1	54.6	41.7	vs F1	ug/Kg	✱	76	80 - 122	7	30
Bromoform	ND	vs F1	54.6	29.4	vs F1	ug/Kg	✱	54	68 - 126	9	30
Bromomethane	ND	vs	54.6	43.3	vs	ug/Kg	✱	79	37 - 149	11	30
Carbon disulfide	ND	vs F1	54.6	34.4	vs F1	ug/Kg	✱	63	64 - 131	14	30
Carbon tetrachloride	ND	vs F1	54.6	39.6	vs F1	ug/Kg	✱	72	75 - 135	7	30
Chlorobenzene	ND	vs F1	54.6	35.1	vs F1	ug/Kg	✱	64	76 - 124	9	30
Dibromochloromethane	ND	vs F1	54.6	39.4	vs F1	ug/Kg	✱	72	76 - 125	7	30
Chloroethane	ND	vs	54.6	45.1	vs	ug/Kg	✱	83	69 - 135	12	30
Chloroform	ND	vs	54.6	46.3	vs	ug/Kg	✱	85	80 - 120	6	30
Chloromethane	ND	vs	54.6	41.1	vs	ug/Kg	✱	75	63 - 127	10	30
cis-1,2-Dichloroethene	ND	vs F1	54.6	42.3	vs F1	ug/Kg	✱	77	80 - 120	7	30
cis-1,3-Dichloropropene	ND	vs F1	54.6	32.7	vs F1	ug/Kg	✱	60	80 - 120	7	30
Cyclohexane	ND	vs	54.6	36.7	vs	ug/Kg	✱	67	65 - 120	13	30
Dichlorodifluoromethane	ND	vs	54.6	44.6	vs	ug/Kg	✱	82	57 - 142	14	30
Ethylbenzene	ND	vs F1	54.6	37.6	vs F1	ug/Kg	✱	69	80 - 120	9	30
1,2-Dibromoethane	ND	vs F1	54.6	34.3	vs F1	ug/Kg	✱	63	78 - 120	9	30
Isopropylbenzene	ND	vs	54.6	43.1	vs	ug/Kg	✱	79	72 - 120	9	30
Methyl acetate	ND	vs	109	80.1	vs	ug/Kg	✱	73	55 - 136	11	30
Methyl tert-butyl ether	ND	vs	54.6	41.4	vs	ug/Kg	✱	76	63 - 125	8	30
Methylcyclohexane	ND	vs F1	54.6	29.3	vs F1	ug/Kg	✱	54	60 - 140	17	30
Methylene Chloride	6.5	vs	54.6	46.2	vs	ug/Kg	✱	73	61 - 127	8	30
Styrene	ND	vs F1	54.6	30.2	vs F1	ug/Kg	✱	55	80 - 120	12	30
Tetrachloroethene	7.4	vs	54.6	50.6	vs	ug/Kg	✱	79	74 - 122	5	30
Toluene	ND	vs	54.6	41.5	vs	ug/Kg	✱	76	74 - 128	6	30
trans-1,2-Dichloroethene	ND	vs F1	54.6	39.5	vs F1	ug/Kg	✱	72	78 - 126	10	30
trans-1,3-Dichloropropene	ND	vs F1	54.6	29.6	vs F1	ug/Kg	✱	54	73 - 123	9	30
Trichloroethene	1.5	J vs F1	54.6	39.1	vs F1	ug/Kg	✱	69	77 - 129	10	30
Trichlorofluoromethane	ND	vs	54.6	50.5	vs	ug/Kg	✱	93	65 - 146	13	30
Vinyl chloride	ND	vs	54.6	38.9	vs	ug/Kg	✱	71	61 - 133	10	30

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-134628-12 MSD

Matrix: Solid

Analysis Batch: 410294

Client Sample ID: X-2-042018

Prep Type: Total/NA

Prep Batch: 410288

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	111		71 - 125
1,2-Dichloroethane-d4 (Surr)	92		64 - 126
4-Bromofluorobenzene (Surr)	95		72 - 126
Dibromofluoromethane (Surr)	105		60 - 140

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-411993/1-A

Matrix: Solid

Analysis Batch: 412413

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 411993

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		170	25	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
bis (2-chloroisopropyl) ether	ND		170	34	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
2,4-Dichlorophenol	ND		170	18	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
2,4-Dimethylphenol	ND		170	41	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
2,4-Dinitrophenol	ND		1600	780	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
2,4-Dinitrotoluene	ND		170	35	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
2,6-Dinitrotoluene	ND		170	20	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
2-Chloronaphthalene	ND		170	28	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
2-Chlorophenol	ND		170	31	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
2,4,5-Trichlorophenol	ND		170	46	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
2-Methylnaphthalene	ND		170	34	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
2,4,6-Trichlorophenol	ND		170	34	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
2-Methylphenol	ND		170	20	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
2-Nitroaniline	ND		330	25	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
2-Nitrophenol	ND		170	48	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
3,3'-Dichlorobenzidine	ND		330	200	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
3-Nitroaniline	ND		330	47	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
4,6-Dinitro-2-methylphenol	ND		330	170	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
4-Bromophenyl phenyl ether	ND		170	24	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
4-Chloro-3-methylphenol	ND		170	42	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
4-Chloroaniline	ND		170	42	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
4-Chlorophenyl phenyl ether	ND		170	21	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
4-Methylphenol	ND		330	20	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
4-Nitroaniline	ND		330	88	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
4-Nitrophenol	ND		330	120	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Acenaphthene	ND		170	25	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Acenaphthylene	ND		170	22	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Acetophenone	ND		170	23	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Anthracene	ND		170	42	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Atrazine	ND		170	58	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Benzaldehyde	ND		170	130	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Benzo[a]anthracene	ND		170	17	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Benzo[a]pyrene	ND		170	25	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Benzo[b]fluoranthene	ND		170	27	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Benzo[g,h,i]perylene	ND		170	18	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Benzo[k]fluoranthene	ND		170	22	ug/Kg		05/02/18 07:03	05/03/18 21:19	1

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-411993/1-A

Matrix: Solid

Analysis Batch: 412413

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 411993

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		170	36	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Bis(2-chloroethyl)ether	ND		170	22	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Bis(2-ethylhexyl) phthalate	ND		170	57	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Butyl benzyl phthalate	ND		170	28	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Caprolactam	ND		170	50	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Carbazole	ND		170	20	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Chrysene	ND		170	38	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Di-n-butyl phthalate	ND		170	29	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Di-n-octyl phthalate	ND		170	20	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Dibenz(a,h)anthracene	ND		170	30	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Dibenzofuran	ND		170	20	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Diethyl phthalate	ND		170	22	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Dimethyl phthalate	ND		170	20	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Fluoranthene	ND		170	18	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Fluorene	ND		170	20	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Hexachlorobenzene	ND		170	23	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Hexachlorobutadiene	ND		170	25	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Hexachlorocyclopentadiene	ND		170	23	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Hexachloroethane	ND		170	22	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Indeno[1,2,3-cd]pyrene	ND		170	21	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Isophorone	ND		170	36	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
N-Nitrosodi-n-propylamine	ND		170	29	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
N-Nitrosodiphenylamine	ND		170	140	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Naphthalene	ND		170	22	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Nitrobenzene	ND		170	19	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Pentachlorophenol	ND		330	170	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Phenanthrene	ND		170	25	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Phenol	ND		170	26	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Pyrene	ND		170	20	ug/Kg		05/02/18 07:03	05/03/18 21:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	77		54 - 120	05/02/18 07:03	05/03/18 21:19	1
2-Fluorobiphenyl	88		60 - 120	05/02/18 07:03	05/03/18 21:19	1
2-Fluorophenol	80		52 - 120	05/02/18 07:03	05/03/18 21:19	1
Nitrobenzene-d5	88		53 - 120	05/02/18 07:03	05/03/18 21:19	1
p-Terphenyl-d14	106		65 - 121	05/02/18 07:03	05/03/18 21:19	1
Phenol-d5	83		54 - 120	05/02/18 07:03	05/03/18 21:19	1

Lab Sample ID: LCS 480-411993/2-A

Matrix: Solid

Analysis Batch: 412413

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 411993

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biphenyl	1650	1320		ug/Kg		80	59 - 120
bis (2-chloroisopropyl) ether	1650	1050		ug/Kg		63	44 - 120
2,4-Dichlorophenol	1650	1340		ug/Kg		81	61 - 120
2,4-Dimethylphenol	1650	1380		ug/Kg		83	59 - 120
2,4-Dinitrophenol	3300	2500		ug/Kg		76	41 - 146

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QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-411993/2-A

Matrix: Solid

Analysis Batch: 412413

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 411993

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dinitrotoluene	1650	1540		ug/Kg		93	63 - 120
2,6-Dinitrotoluene	1650	1520		ug/Kg		92	66 - 120
2-Chloronaphthalene	1650	1280		ug/Kg		78	57 - 120
2-Chlorophenol	1650	1200		ug/Kg		73	53 - 120
2,4,5-Trichlorophenol	1650	1320		ug/Kg		80	59 - 126
2-Methylnaphthalene	1650	1330		ug/Kg		81	59 - 120
2,4,6-Trichlorophenol	1650	1310		ug/Kg		80	59 - 123
2-Methylphenol	1650	1260		ug/Kg		76	54 - 120
2-Nitroaniline	1650	1450		ug/Kg		88	61 - 120
2-Nitrophenol	1650	1310		ug/Kg		80	56 - 120
3,3'-Dichlorobenzidine	3300	2980		ug/Kg		90	54 - 120
3-Nitroaniline	1650	1380		ug/Kg		83	48 - 120
4,6-Dinitro-2-methylphenol	3300	2860		ug/Kg		87	49 - 122
4-Bromophenyl phenyl ether	1650	1380		ug/Kg		84	58 - 120
4-Chloro-3-methylphenol	1650	1470		ug/Kg		89	61 - 120
4-Chloroaniline	1650	1170		ug/Kg		71	38 - 120
4-Chlorophenyl phenyl ether	1650	1330		ug/Kg		80	63 - 124
4-Methylphenol	1650	1330		ug/Kg		81	55 - 120
4-Nitroaniline	1650	1510		ug/Kg		92	56 - 120
4-Nitrophenol	3300	3340		ug/Kg		101	43 - 147
Acenaphthene	1650	1330		ug/Kg		81	62 - 120
Acenaphthylene	1650	1350		ug/Kg		82	58 - 121
Acetophenone	1650	1320		ug/Kg		80	54 - 120
Anthracene	1650	1530		ug/Kg		93	62 - 120
Atrazine	3300	3530		ug/Kg		107	60 - 127
Benzaldehyde	3300	1450		ug/Kg		44	10 - 150
Benzo[a]anthracene	1650	1700		ug/Kg		103	65 - 120
Benzo[a]pyrene	1650	1680		ug/Kg		102	64 - 120
Benzo[b]fluoranthene	1650	1820		ug/Kg		110	64 - 120
Benzo[g,h,i]perylene	1650	1660		ug/Kg		100	45 - 145
Benzo[k]fluoranthene	1650	1540		ug/Kg		93	65 - 120
Bis(2-chloroethoxy)methane	1650	1310		ug/Kg		79	55 - 120
Bis(2-chloroethyl)ether	1650	1210		ug/Kg		74	45 - 120
Bis(2-ethylhexyl) phthalate	1650	1750		ug/Kg		106	61 - 133
Butyl benzyl phthalate	1650	1780		ug/Kg		108	61 - 129
Caprolactam	3300	3260		ug/Kg		99	47 - 120
Carbazole	1650	1610		ug/Kg		98	65 - 120
Chrysene	1650	1750		ug/Kg		106	64 - 120
Di-n-butyl phthalate	1650	1780		ug/Kg		108	58 - 130
Di-n-octyl phthalate	1650	1820		ug/Kg		110	57 - 133
Dibenz(a,h)anthracene	1650	1700		ug/Kg		103	54 - 132
Dibenzofuran	1650	1380		ug/Kg		84	63 - 120
Diethyl phthalate	1650	1580		ug/Kg		96	66 - 120
Dimethyl phthalate	1650	1490		ug/Kg		90	65 - 124
Fluoranthene	1650	1640		ug/Kg		99	62 - 120
Fluorene	1650	1430		ug/Kg		87	63 - 120
Hexachlorobenzene	1650	1450		ug/Kg		88	60 - 120
Hexachlorobutadiene	1650	1240		ug/Kg		75	45 - 120

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-411993/2-A

Matrix: Solid

Analysis Batch: 412413

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 411993

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorocyclopentadiene	1650	1180		ug/Kg		72	47 - 120
Hexachloroethane	1650	1150		ug/Kg		70	41 - 120
Indeno[1,2,3-cd]pyrene	1650	1660		ug/Kg		101	56 - 134
Isophorone	1650	1370		ug/Kg		83	56 - 120
N-Nitrosodi-n-propylamine	1650	1280		ug/Kg		78	52 - 120
Naphthalene	1650	1260		ug/Kg		76	55 - 120
Nitrobenzene	1650	1260		ug/Kg		76	54 - 120
Pentachlorophenol	3300	2730		ug/Kg		83	51 - 120
Phenanthrene	1650	1560		ug/Kg		95	60 - 120
Phenol	1650	1260		ug/Kg		76	53 - 120
Pyrene	1650	1770		ug/Kg		107	61 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	93		54 - 120
2-Fluorobiphenyl	76		60 - 120
2-Fluorophenol	69		52 - 120
Nitrobenzene-d5	78		53 - 120
p-Terphenyl-d14	107		65 - 121
Phenol-d5	75		54 - 120

Lab Sample ID: MB 480-412129/1-A

Matrix: Solid

Analysis Batch: 412361

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 412129

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.0025	0.00012	mg/L		05/02/18 14:55	05/03/18 18:33	1
3-Methylphenol	ND		0.0025	0.00010	mg/L		05/02/18 14:55	05/03/18 18:33	1
2,4-Dinitrotoluene	ND		0.0013	0.00011	mg/L		05/02/18 14:55	05/03/18 18:33	1
Pyridine	ND		0.0063	0.00010	mg/L		05/02/18 14:55	05/03/18 18:33	1
2,4,5-Trichlorophenol	ND		0.0013	0.00012	mg/L		05/02/18 14:55	05/03/18 18:33	1
2,4,6-Trichlorophenol	ND		0.0013	0.00015	mg/L		05/02/18 14:55	05/03/18 18:33	1
2-Methylphenol	ND		0.0013	0.00010	mg/L		05/02/18 14:55	05/03/18 18:33	1
4-Methylphenol	ND		0.0025	0.000090	mg/L		05/02/18 14:55	05/03/18 18:33	1
Hexachlorobenzene	ND		0.0013	0.00013	mg/L		05/02/18 14:55	05/03/18 18:33	1
Hexachlorobutadiene	ND		0.0013	0.00017	mg/L		05/02/18 14:55	05/03/18 18:33	1
Hexachloroethane	ND		0.0013	0.00015	mg/L		05/02/18 14:55	05/03/18 18:33	1
Nitrobenzene	ND		0.0013	0.000073	mg/L		05/02/18 14:55	05/03/18 18:33	1
Pentachlorophenol	ND		0.0025	0.00055	mg/L		05/02/18 14:55	05/03/18 18:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	89		41 - 120	05/02/18 14:55	05/03/18 18:33	1
2-Fluorobiphenyl	98		48 - 120	05/02/18 14:55	05/03/18 18:33	1
2-Fluorophenol	48		35 - 120	05/02/18 14:55	05/03/18 18:33	1
Nitrobenzene-d5	95		46 - 120	05/02/18 14:55	05/03/18 18:33	1
p-Terphenyl-d14	111		59 - 136	05/02/18 14:55	05/03/18 18:33	1
Phenol-d5	33		22 - 120	05/02/18 14:55	05/03/18 18:33	1

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-412129/2-A

Matrix: Solid

Analysis Batch: 412361

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 412129

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.0500	0.0285		mg/L		57	51 - 120
3-Methylphenol	0.0500	0.0303		mg/L		61	39 - 120
2,4-Dinitrotoluene	0.0500	0.0475		mg/L		95	69 - 120
Pyridine	0.100	0.0405		mg/L		41	10 - 120
2,4,5-Trichlorophenol	0.0500	0.0458		mg/L		92	65 - 126
2,4,6-Trichlorophenol	0.0500	0.0474		mg/L		95	64 - 120
2-Methylphenol	0.0500	0.0322		mg/L		64	39 - 120
4-Methylphenol	0.0500	0.0303		mg/L		61	29 - 131
Hexachlorobenzene	0.0500	0.0488		mg/L		98	61 - 120
Hexachlorobutadiene	0.0500	0.0321		mg/L		64	35 - 120
Hexachloroethane	0.0500	0.0264		mg/L		53	43 - 120
Nitrobenzene	0.0500	0.0407		mg/L		81	53 - 123
Pentachlorophenol	0.100	0.0807		mg/L		81	29 - 136

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	100		41 - 120
2-Fluorobiphenyl	86		48 - 120
2-Fluorophenol	44		35 - 120
Nitrobenzene-d5	82		46 - 120
p-Terphenyl-d14	100		59 - 136
Phenol-d5	30		22 - 120

Lab Sample ID: LCSD 480-412129/3-A

Matrix: Solid

Analysis Batch: 412361

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 412129

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene	0.0500	0.0282		mg/L		56	51 - 120	1	36
3-Methylphenol	0.0500	0.0299		mg/L		60	39 - 120	1	30
2,4-Dinitrotoluene	0.0500	0.0493		mg/L		99	69 - 120	4	20
Pyridine	0.100	0.0432		mg/L		43	10 - 120	6	49
2,4,5-Trichlorophenol	0.0500	0.0476		mg/L		95	65 - 126	4	18
2,4,6-Trichlorophenol	0.0500	0.0448		mg/L		90	64 - 120	6	19
2-Methylphenol	0.0500	0.0311		mg/L		62	39 - 120	3	27
4-Methylphenol	0.0500	0.0299		mg/L		60	29 - 131	1	24
Hexachlorobenzene	0.0500	0.0424		mg/L		85	61 - 120	14	15
Hexachlorobutadiene	0.0500	0.0308		mg/L		62	35 - 120	4	44
Hexachloroethane	0.0500	0.0263		mg/L		53	43 - 120	0	46
Nitrobenzene	0.0500	0.0376		mg/L		75	53 - 123	8	24
Pentachlorophenol	0.100	0.0766		mg/L		77	29 - 136	5	37

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol	91		41 - 120
2-Fluorobiphenyl	84		48 - 120
2-Fluorophenol	43		35 - 120
Nitrobenzene-d5	77		46 - 120
p-Terphenyl-d14	100		59 - 136

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-412129/3-A

Matrix: Solid

Analysis Batch: 412361

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 412129

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Phenol-d5	30		22 - 120

Lab Sample ID: LB 480-411629/1-D

Matrix: Solid

Analysis Batch: 412361

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 412129

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		05/02/18 14:55	05/03/18 19:56	1
3-Methylphenol	ND		0.010	0.00040	mg/L		05/02/18 14:55	05/03/18 19:56	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		05/02/18 14:55	05/03/18 19:56	1
Pyridine	ND		0.025	0.00041	mg/L		05/02/18 14:55	05/03/18 19:56	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		05/02/18 14:55	05/03/18 19:56	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		05/02/18 14:55	05/03/18 19:56	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		05/02/18 14:55	05/03/18 19:56	1
4-Methylphenol	ND		0.010	0.00036	mg/L		05/02/18 14:55	05/03/18 19:56	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		05/02/18 14:55	05/03/18 19:56	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		05/02/18 14:55	05/03/18 19:56	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		05/02/18 14:55	05/03/18 19:56	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		05/02/18 14:55	05/03/18 19:56	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		05/02/18 14:55	05/03/18 19:56	1
Surrogate	LB %Recovery	LB Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	87		41 - 120				05/02/18 14:55	05/03/18 19:56	1
2-Fluorobiphenyl	85		48 - 120				05/02/18 14:55	05/03/18 19:56	1
2-Fluorophenol	44		35 - 120				05/02/18 14:55	05/03/18 19:56	1
Nitrobenzene-d5	81		46 - 120				05/02/18 14:55	05/03/18 19:56	1
p-Terphenyl-d14	104		59 - 136				05/02/18 14:55	05/03/18 19:56	1
Phenol-d5	32		22 - 120				05/02/18 14:55	05/03/18 19:56	1

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-410453/1-A

Matrix: Solid

Analysis Batch: 410968

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 410453

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.6	0.32	ug/Kg		04/24/18 07:51	04/26/18 11:19	1
4,4'-DDE	ND		1.6	0.34	ug/Kg		04/24/18 07:51	04/26/18 11:19	1
4,4'-DDT	ND		1.6	0.38	ug/Kg		04/24/18 07:51	04/26/18 11:19	1
Aldrin	ND		1.6	0.40	ug/Kg		04/24/18 07:51	04/26/18 11:19	1
alpha-BHC	ND		1.6	0.29	ug/Kg		04/24/18 07:51	04/26/18 11:19	1
cis-Chlordane	ND		1.6	0.81	ug/Kg		04/24/18 07:51	04/26/18 11:19	1
beta-BHC	ND		1.6	0.29	ug/Kg		04/24/18 07:51	04/26/18 11:19	1
delta-BHC	ND		1.6	0.30	ug/Kg		04/24/18 07:51	04/26/18 11:19	1
Dieldrin	ND		1.6	0.39	ug/Kg		04/24/18 07:51	04/26/18 11:19	1
Endosulfan I	ND		1.6	0.31	ug/Kg		04/24/18 07:51	04/26/18 11:19	1
Endosulfan II	ND		1.6	0.29	ug/Kg		04/24/18 07:51	04/26/18 11:19	1

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 480-410453/1-A

Matrix: Solid

Analysis Batch: 410968

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 410453

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	ND		1.6	0.30	ug/Kg		04/24/18 07:51	04/26/18 11:19	1
Endrin	ND		1.6	0.32	ug/Kg		04/24/18 07:51	04/26/18 11:19	1
Endrin aldehyde	ND		1.6	0.42	ug/Kg		04/24/18 07:51	04/26/18 11:19	1
Endrin ketone	ND		1.6	0.40	ug/Kg		04/24/18 07:51	04/26/18 11:19	1
gamma-BHC (Lindane)	ND		1.6	0.30	ug/Kg		04/24/18 07:51	04/26/18 11:19	1
trans-Chlordane	ND		1.6	0.52	ug/Kg		04/24/18 07:51	04/26/18 11:19	1
Heptachlor	ND		1.6	0.35	ug/Kg		04/24/18 07:51	04/26/18 11:19	1
Heptachlor epoxide	ND		1.6	0.42	ug/Kg		04/24/18 07:51	04/26/18 11:19	1
Methoxychlor	ND		1.6	0.33	ug/Kg		04/24/18 07:51	04/26/18 11:19	1
Toxaphene	ND		16	9.5	ug/Kg		04/24/18 07:51	04/26/18 11:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	73		45 - 120	04/24/18 07:51	04/26/18 11:19	1
Tetrachloro-m-xylene	54		30 - 124	04/24/18 07:51	04/26/18 11:19	1

Lab Sample ID: LCS 480-410453/2-A

Matrix: Solid

Analysis Batch: 410968

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 410453

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	16.4	11.9		ug/Kg		73	56 - 120
4,4'-DDE	16.4	11.4		ug/Kg		70	44 - 120
4,4'-DDT	16.4	12.5		ug/Kg		76	38 - 120
Aldrin	16.4	8.25		ug/Kg		50	38 - 120
alpha-BHC	16.4	9.77		ug/Kg		60	39 - 120
cis-Chlordane	16.4	11.6		ug/Kg		71	47 - 120
beta-BHC	16.4	10.1		ug/Kg		62	40 - 120
delta-BHC	16.4	9.62		ug/Kg		59	45 - 120
Dieldrin	16.4	12.0		ug/Kg		73	58 - 120
Endosulfan I	16.4	11.4		ug/Kg		69	49 - 120
Endosulfan II	16.4	11.1		ug/Kg		68	55 - 120
Endosulfan sulfate	16.4	10.2		ug/Kg		62	49 - 124
Endrin	16.4	11.8		ug/Kg		72	58 - 120
Endrin aldehyde	16.4	9.63		ug/Kg		59	37 - 121
Endrin ketone	16.4	11.3		ug/Kg		69	46 - 123
gamma-BHC (Lindane)	16.4	10.4		ug/Kg		63	50 - 120
trans-Chlordane	16.4	11.3		ug/Kg		69	48 - 120
Heptachlor	16.4	11.4		ug/Kg		70	50 - 120
Heptachlor epoxide	16.4	9.82		ug/Kg		60	50 - 120
Methoxychlor	16.4	12.1		ug/Kg		73	58 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	73		45 - 120
Tetrachloro-m-xylene	53		30 - 124

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-411220/1-A

Matrix: Solid

Analysis Batch: 411578

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 411220

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.19	0.037	mg/Kg		04/27/18 07:20	04/30/18 20:09	1
PCB-1221	ND		0.19	0.037	mg/Kg		04/27/18 07:20	04/30/18 20:09	1
PCB-1232	ND		0.19	0.037	mg/Kg		04/27/18 07:20	04/30/18 20:09	1
PCB-1242	ND		0.19	0.037	mg/Kg		04/27/18 07:20	04/30/18 20:09	1
PCB-1248	ND		0.19	0.037	mg/Kg		04/27/18 07:20	04/30/18 20:09	1
PCB-1254	ND		0.19	0.089	mg/Kg		04/27/18 07:20	04/30/18 20:09	1
PCB-1260	ND		0.19	0.089	mg/Kg		04/27/18 07:20	04/30/18 20:09	1
PCB-1262	ND		0.19	0.089	mg/Kg		04/27/18 07:20	04/30/18 20:09	1
PCB-1268	ND		0.19	0.089	mg/Kg		04/27/18 07:20	04/30/18 20:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	106		60 - 154	04/27/18 07:20	04/30/18 20:09	1
DCB Decachlorobiphenyl	106		65 - 174	04/27/18 07:20	04/30/18 20:09	1

Lab Sample ID: LCS 480-411220/2-A

Matrix: Solid

Analysis Batch: 411578

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 411220

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1.89	2.62		mg/Kg		139	51 - 185
PCB-1260	1.89	2.86		mg/Kg		152	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	128		60 - 154
DCB Decachlorobiphenyl	124		65 - 174

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-410124/1-A

Matrix: Solid

Analysis Batch: 410498

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 410124

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		9.7	4.3	mg/Kg		04/21/18 11:57	04/24/18 04:26	1
Antimony	ND		14.6	0.39	mg/Kg		04/21/18 11:57	04/24/18 04:26	1
Arsenic	ND		1.9	0.39	mg/Kg		04/21/18 11:57	04/24/18 04:26	1
Barium	ND		0.49	0.11	mg/Kg		04/21/18 11:57	04/24/18 04:26	1
Beryllium	ND		0.19	0.027	mg/Kg		04/21/18 11:57	04/24/18 04:26	1
Cadmium	ND		0.19	0.029	mg/Kg		04/21/18 11:57	04/24/18 04:26	1
Calcium	5.02	J	48.5	3.2	mg/Kg		04/21/18 11:57	04/24/18 04:26	1
Chromium	0.265	J	0.49	0.19	mg/Kg		04/21/18 11:57	04/24/18 04:26	1
Cobalt	ND		0.49	0.049	mg/Kg		04/21/18 11:57	04/24/18 04:26	1
Copper	ND		0.97	0.20	mg/Kg		04/21/18 11:57	04/24/18 04:26	1
Iron	3.40	J	9.7	3.4	mg/Kg		04/21/18 11:57	04/24/18 04:26	1
Lead	ND		0.97	0.23	mg/Kg		04/21/18 11:57	04/24/18 04:26	1
Magnesium	ND		19.4	0.90	mg/Kg		04/21/18 11:57	04/24/18 04:26	1
Manganese	ND		0.19	0.031	mg/Kg		04/21/18 11:57	04/24/18 04:26	1

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-410124/1-A

Matrix: Solid

Analysis Batch: 410498

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 410124

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	ND		4.9	0.22	mg/Kg		04/21/18 11:57	04/24/18 04:26	1
Potassium	ND		29.1	19.4	mg/Kg		04/21/18 11:57	04/24/18 04:26	1
Selenium	ND		3.9	0.39	mg/Kg		04/21/18 11:57	04/24/18 04:26	1
Silver	ND		0.58	0.19	mg/Kg		04/21/18 11:57	04/24/18 04:26	1
Sodium	ND		136	12.6	mg/Kg		04/21/18 11:57	04/24/18 04:26	1
Thallium	ND		5.8	0.29	mg/Kg		04/21/18 11:57	04/24/18 04:26	1
Vanadium	ND		0.49	0.11	mg/Kg		04/21/18 11:57	04/24/18 04:26	1
Zinc	ND		1.9	0.62	mg/Kg		04/21/18 11:57	04/24/18 04:26	1

Lab Sample ID: LCSSRM 480-410124/2-A

Matrix: Solid

Analysis Batch: 410498

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 410124

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8040	9695		mg/Kg		120.5	39.4 - 160.4
Antimony	91.4	86.39		mg/Kg		94.5	25.1 - 275.7
Arsenic	146	119.3		mg/Kg		81.7	69.9 - 132.9
Barium	102	96.12		mg/Kg		94.2	71.5 - 136.3
Beryllium	134	107.0		mg/Kg		79.8	75.4 - 138.1
Cadmium	63.2	49.31		mg/Kg		78.0	73.3 - 141.5
Calcium	5930	4958		mg/Kg		83.6	73.7 - 136.1
Chromium	89.3	80.06		mg/Kg		89.6	69.1 - 143.3
Cobalt	119	124.3		mg/Kg		104.4	74.6 - 142.0
Copper	60.8	51.61		mg/Kg		84.9	72.7 - 141.6
Iron	14400	17020		mg/Kg		118.2	35.6 - 163.9
Lead	98.5	105.3		mg/Kg		106.8	70.8 - 137.1
Magnesium	2580	2289		mg/Kg		88.7	63.6 - 136.0
Manganese	370	324.9		mg/Kg		87.8	75.7 - 134.3
Nickel	66.6	68.88		mg/Kg		103.4	70.7 - 146.2
Potassium	2340	2865		mg/Kg		122.4	59.8 - 140.2
Selenium	136	108.2		mg/Kg		79.5	67.1 - 136.8
Silver	48.9	39.29		mg/Kg		80.3	66.5 - 139.5
Sodium	318	327.5		mg/Kg		103.0	40.6 - 159.7

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-410124/2-A

Matrix: Solid

Analysis Batch: 410498

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 410124

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Thallium	138	137.3		mg/Kg		99.5	68.0 - 136.2
Vanadium	69.7	73.47		mg/Kg		105.4	58.7 - 141.3
Zinc	177	137.4		mg/Kg		77.6	69.5 - 131.1

Lab Sample ID: MB 480-411807/2-A

Matrix: Solid

Analysis Batch: 412567

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 411807

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		05/01/18 10:12	05/01/18 22:31	1
Barium	ND		1.0	0.10	mg/L		05/01/18 10:12	05/01/18 22:31	1
Cadmium	ND		0.0020	0.00050	mg/L		05/01/18 10:12	05/01/18 22:31	1
Chromium	ND		0.020	0.010	mg/L		05/01/18 10:12	05/01/18 22:31	1
Lead	ND		0.020	0.0030	mg/L		05/01/18 10:12	05/01/18 22:31	1
Selenium	ND		0.025	0.0087	mg/L		05/01/18 10:12	05/01/18 22:31	1
Silver	ND		0.0060	0.0017	mg/L		05/01/18 10:12	05/01/18 22:31	1

Lab Sample ID: LCS 480-411807/3-A

Matrix: Solid

Analysis Batch: 412567

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 411807

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	1.00		mg/L		100	80 - 120
Barium	1.00	1.01		mg/L		101	80 - 120
Cadmium	1.00	1.03		mg/L		103	80 - 120
Chromium	1.00	1.00		mg/L		100	80 - 120
Lead	1.00	0.980		mg/L		98	80 - 120
Selenium	1.00	1.05		mg/L		105	80 - 120
Silver	1.00	0.988		mg/L		99	80 - 120

Lab Sample ID: LB 480-411629/1-B

Matrix: Solid

Analysis Batch: 412567

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 411807

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		05/01/18 10:12	05/01/18 22:27	1
Barium	ND		1.0	0.10	mg/L		05/01/18 10:12	05/01/18 22:27	1
Cadmium	ND		0.0020	0.00050	mg/L		05/01/18 10:12	05/01/18 22:27	1
Chromium	ND		0.020	0.010	mg/L		05/01/18 10:12	05/01/18 22:27	1
Lead	ND		0.020	0.0030	mg/L		05/01/18 10:12	05/01/18 22:27	1
Selenium	ND		0.025	0.0087	mg/L		05/01/18 10:12	05/01/18 22:27	1
Silver	ND		0.0060	0.0017	mg/L		05/01/18 10:12	05/01/18 22:27	1

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-134628-1 MS

Matrix: Solid

Analysis Batch: 412567

Client Sample ID: NE-SE BERM-042018

Prep Type: TCLP

Prep Batch: 411807

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	ND		1.00	1.09		mg/L		109	75 - 125
Barium	0.46	J	1.00	1.47		mg/L		100	75 - 125
Cadmium	0.0035		1.00	1.09		mg/L		109	75 - 125
Chromium	ND		1.00	0.950		mg/L		95	75 - 125
Lead	0.037		1.00	1.05		mg/L		101	75 - 125
Selenium	ND		1.00	1.12		mg/L		112	75 - 125
Silver	ND		1.00	1.08		mg/L		108	75 - 125

Lab Sample ID: 480-134628-1 MSD

Matrix: Solid

Analysis Batch: 412567

Client Sample ID: NE-SE BERM-042018

Prep Type: TCLP

Prep Batch: 411807

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	ND		1.00	1.08		mg/L		108	75 - 125	1	20
Barium	0.46	J	1.00	1.45		mg/L		98	75 - 125	1	20
Cadmium	0.0035		1.00	1.08		mg/L		108	75 - 125	1	20
Chromium	ND		1.00	0.934		mg/L		93	75 - 125	2	20
Lead	0.037		1.00	1.03		mg/L		100	75 - 125	2	20
Selenium	ND		1.00	1.11		mg/L		111	75 - 125	1	20
Silver	ND		1.00	1.06		mg/L		106	75 - 125	2	20

Method: 7470A - TCLP Mercury

Lab Sample ID: MB 480-411863/2-A

Matrix: Solid

Analysis Batch: 412067

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 411863

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/01/18 13:35	05/01/18 20:11	1

Lab Sample ID: LCS 480-411863/3-A

Matrix: Solid

Analysis Batch: 412067

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 411863

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00668	0.00623		mg/L		93	80 - 120

Lab Sample ID: LB 480-411629/1-C

Matrix: Solid

Analysis Batch: 412067

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 411863

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/01/18 13:35	05/01/18 20:09	1

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Method: 7470A - TCLP Mercury (Continued)

Lab Sample ID: 480-134628-1 MS

Matrix: Solid

Analysis Batch: 412067

Client Sample ID: NE-SE BERM-042018

Prep Type: TCLP

Prep Batch: 411863

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.00668	0.00600		mg/L		90	80 - 120

Lab Sample ID: 480-134628-1 MSD

Matrix: Solid

Analysis Batch: 412067

Client Sample ID: NE-SE BERM-042018

Prep Type: TCLP

Prep Batch: 411863

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.00668	0.00600		mg/L		90	80 - 120	0	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-411938/1-A

Matrix: Solid

Analysis Batch: 412200

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 411938

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.0082	mg/Kg		05/02/18 15:10	05/02/18 16:37	1

Lab Sample ID: LCSSRM 480-411938/2-A ^10

Matrix: Solid

Analysis Batch: 412200

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 411938

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	13.3	13.20		mg/Kg		99.3	51.2 - 148.1

Method: 1010A - Ignitability, Pensky-Martens Closed-Cup Method

Lab Sample ID: LCS 480-411934/1

Matrix: Solid

Analysis Batch: 411934

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Flashpoint	81.0	82.00		Degrees F		101	97.5 - 102.5

Method: 9012 - Cyanide, Reactive

Lab Sample ID: MB 480-411671/1-A

Matrix: Solid

Analysis Batch: 411713

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 411671

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10.0	10.0	mg/Kg		04/30/18 05:03	04/30/18 16:38	1

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Method: 9012 - Cyanide, Reactive (Continued)

Lab Sample ID: LCS 480-411671/2-A

Matrix: Solid

Analysis Batch: 411713

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 411671

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Reactive	1000	ND		mg/Kg		22	10 - 100

Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 480-411676/1-A

Matrix: Solid

Analysis Batch: 411721

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 411676

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	ND		10.0	10.0	mg/Kg		04/30/18 05:03	04/30/18 15:45	1

Lab Sample ID: LCS 480-411676/2-A

Matrix: Solid

Analysis Batch: 411721

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 411676

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	860	801.5		mg/Kg		93	10 - 100

Method: 9045D - pH

Lab Sample ID: LCS 480-410913/1

Matrix: Solid

Analysis Batch: 410913

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	7.00	7.0		SU		100	99 - 101

Lab Sample ID: LCS 480-410915/1

Matrix: Solid

Analysis Batch: 410915

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	10.0	10.0		SU		100	99 - 101

Lab Sample ID: 480-134628-1 DU

Matrix: Solid

Analysis Batch: 410915

Client Sample ID: NE-SE BERM-042018

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	10.5	HF	10.5		SU		0.4	5
Temperature	25.5	HF	25.5		Degrees C		0	10

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Method: 9095B - Paint Filter

Lab Sample ID: 480-134628-3 DU
Matrix: Solid
Analysis Batch: 410886

Client Sample ID: NW-SW-BERM-042018
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Free Liquid	passed		passed		mL/100g		NC	

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

GC/MS VOA

Prep Batch: 410288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-8	E-BERM-042018	Total/NA	Solid	5035A_L	
480-134628-10	W-BERM-042018	Total/NA	Solid	5035A_L	
480-134628-12	X-2-042018	Total/NA	Solid	5035A_L	
MB 480-410288/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-410288/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	
480-134628-12 MS	X-2-042018	Total/NA	Solid	5035A_L	
480-134628-12 MSD	X-2-042018	Total/NA	Solid	5035A_L	

Analysis Batch: 410294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-8	E-BERM-042018	Total/NA	Solid	8260C	410288
480-134628-10	W-BERM-042018	Total/NA	Solid	8260C	410288
480-134628-12	X-2-042018	Total/NA	Solid	8260C	410288
MB 480-410288/2-A	Method Blank	Total/NA	Solid	8260C	410288
LCS 480-410288/1-A	Lab Control Sample	Total/NA	Solid	8260C	410288
480-134628-12 MS	X-2-042018	Total/NA	Solid	8260C	410288
480-134628-12 MSD	X-2-042018	Total/NA	Solid	8260C	410288

Leach Batch: 411593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-7	NE-SE BERM-042018	TCLP	Solid	1311	
480-134628-9	NW-SW-BERM-042018	TCLP	Solid	1311	
480-134628-11	X-1-042018	TCLP	Solid	1311	
LB 480-411593/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 412741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 480-411593/1-A	Method Blank	TCLP	Solid	8260C	411593
MB 480-412741/7	Method Blank	Total/NA	Solid	8260C	
LCS 480-412741/5	Lab Control Sample	Total/NA	Solid	8260C	

Analysis Batch: 413229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-7	NE-SE BERM-042018	TCLP	Solid	8260C	411593
480-134628-9	NW-SW-BERM-042018	TCLP	Solid	8260C	411593
480-134628-11	X-1-042018	TCLP	Solid	8260C	411593
MB 480-413229/7	Method Blank	Total/NA	Solid	8260C	
LCS 480-413229/5	Lab Control Sample	Total/NA	Solid	8260C	

GC/MS Semi VOA

Leach Batch: 411629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-1	NE-SE BERM-042018	TCLP	Solid	1311	
480-134628-3	NW-SW-BERM-042018	TCLP	Solid	1311	
480-134628-5	X-1-042018	TCLP	Solid	1311	
LB 480-411629/1-D	Method Blank	TCLP	Solid	1311	

TestAmerica Buffalo

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

GC/MS Semi VOA (Continued)

Prep Batch: 411993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-2	E-BERM-042018	Total/NA	Solid	3550C	
480-134628-4	W-BERM-042018	Total/NA	Solid	3550C	
480-134628-6	X-2-042018	Total/NA	Solid	3550C	
MB 480-411993/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-411993/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Prep Batch: 412129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-1	NE-SE BERM-042018	TCLP	Solid	3510C	411629
480-134628-3	NW-SW-BERM-042018	TCLP	Solid	3510C	411629
480-134628-5	X-1-042018	TCLP	Solid	3510C	411629
LB 480-411629/1-D	Method Blank	TCLP	Solid	3510C	411629
MB 480-412129/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 480-412129/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 480-412129/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Analysis Batch: 412361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-1	NE-SE BERM-042018	TCLP	Solid	8270D	412129
480-134628-3	NW-SW-BERM-042018	TCLP	Solid	8270D	412129
480-134628-5	X-1-042018	TCLP	Solid	8270D	412129
LB 480-411629/1-D	Method Blank	TCLP	Solid	8270D	412129
MB 480-412129/1-A	Method Blank	Total/NA	Solid	8270D	412129
LCS 480-412129/2-A	Lab Control Sample	Total/NA	Solid	8270D	412129
LCSD 480-412129/3-A	Lab Control Sample Dup	Total/NA	Solid	8270D	412129

Analysis Batch: 412413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-2	E-BERM-042018	Total/NA	Solid	8270D	411993
480-134628-4	W-BERM-042018	Total/NA	Solid	8270D	411993
480-134628-6	X-2-042018	Total/NA	Solid	8270D	411993
MB 480-411993/1-A	Method Blank	Total/NA	Solid	8270D	411993
LCS 480-411993/2-A	Lab Control Sample	Total/NA	Solid	8270D	411993

GC Semi VOA

Prep Batch: 410453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-2	E-BERM-042018	Total/NA	Solid	3550C	
480-134628-4	W-BERM-042018	Total/NA	Solid	3550C	
480-134628-6	X-2-042018	Total/NA	Solid	3550C	
MB 480-410453/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-410453/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 410968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-2	E-BERM-042018	Total/NA	Solid	8081B	410453
480-134628-4	W-BERM-042018	Total/NA	Solid	8081B	410453
480-134628-6	X-2-042018	Total/NA	Solid	8081B	410453
MB 480-410453/1-A	Method Blank	Total/NA	Solid	8081B	410453

TestAmerica Buffalo

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

GC Semi VOA (Continued)

Analysis Batch: 410968 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-410453/2-A	Lab Control Sample	Total/NA	Solid	8081B	410453

Prep Batch: 411220

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-2	E-BERM-042018	Total/NA	Solid	3550C	
480-134628-4	W-BERM-042018	Total/NA	Solid	3550C	
480-134628-6	X-2-042018	Total/NA	Solid	3550C	
MB 480-411220/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-411220/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 411578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-2	E-BERM-042018	Total/NA	Solid	8082A	411220
480-134628-4	W-BERM-042018	Total/NA	Solid	8082A	411220
480-134628-6	X-2-042018	Total/NA	Solid	8082A	411220
MB 480-411220/1-A	Method Blank	Total/NA	Solid	8082A	411220
LCS 480-411220/2-A	Lab Control Sample	Total/NA	Solid	8082A	411220

Metals

Prep Batch: 410124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-2	E-BERM-042018	Total/NA	Solid	3050B	
480-134628-4	W-BERM-042018	Total/NA	Solid	3050B	
480-134628-6	X-2-042018	Total/NA	Solid	3050B	
MB 480-410124/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-410124/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 410498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-410124/1-A	Method Blank	Total/NA	Solid	6010C	410124
LCSSRM 480-410124/2-A	Lab Control Sample	Total/NA	Solid	6010C	410124

Analysis Batch: 410722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-2	E-BERM-042018	Total/NA	Solid	6010C	410124
480-134628-2	E-BERM-042018	Total/NA	Solid	6010C	410124
480-134628-4	W-BERM-042018	Total/NA	Solid	6010C	410124
480-134628-6	X-2-042018	Total/NA	Solid	6010C	410124

Analysis Batch: 410770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-6	X-2-042018	Total/NA	Solid	6010C	410124

Leach Batch: 411629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-1	NE-SE BERM-042018	TCLP	Solid	1311	
480-134628-3	NW-SW-BERM-042018	TCLP	Solid	1311	
480-134628-5	X-1-042018	TCLP	Solid	1311	
LB 480-411629/1-B	Method Blank	TCLP	Solid	1311	

TestAmerica Buffalo

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Metals (Continued)

Leach Batch: 411629 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 480-411629/1-C	Method Blank	TCLP	Solid	1311	
480-134628-1 MS	NE-SE BERM-042018	TCLP	Solid	1311	
480-134628-1 MSD	NE-SE BERM-042018	TCLP	Solid	1311	

Prep Batch: 411807

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-1	NE-SE BERM-042018	TCLP	Solid	3010A	411629
480-134628-3	NW-SW-BERM-042018	TCLP	Solid	3010A	411629
480-134628-5	X-1-042018	TCLP	Solid	3010A	411629
LB 480-411629/1-B	Method Blank	TCLP	Solid	3010A	411629
MB 480-411807/2-A	Method Blank	Total/NA	Solid	3010A	
LCS 480-411807/3-A	Lab Control Sample	Total/NA	Solid	3010A	
480-134628-1 MS	NE-SE BERM-042018	TCLP	Solid	3010A	411629
480-134628-1 MSD	NE-SE BERM-042018	TCLP	Solid	3010A	411629

Prep Batch: 411863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-1	NE-SE BERM-042018	TCLP	Solid	7470A	411629
480-134628-3	NW-SW-BERM-042018	TCLP	Solid	7470A	411629
480-134628-5	X-1-042018	TCLP	Solid	7470A	411629
LB 480-411629/1-C	Method Blank	TCLP	Solid	7470A	411629
MB 480-411863/2-A	Method Blank	Total/NA	Solid	7470A	
LCS 480-411863/3-A	Lab Control Sample	Total/NA	Solid	7470A	
480-134628-1 MS	NE-SE BERM-042018	TCLP	Solid	7470A	411629
480-134628-1 MSD	NE-SE BERM-042018	TCLP	Solid	7470A	411629

Prep Batch: 411938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-2	E-BERM-042018	Total/NA	Solid	7471B	
480-134628-4	W-BERM-042018	Total/NA	Solid	7471B	
480-134628-6	X-2-042018	Total/NA	Solid	7471B	
MB 480-411938/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-411938/2-A ^10	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 412067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-1	NE-SE BERM-042018	TCLP	Solid	7470A	411863
480-134628-3	NW-SW-BERM-042018	TCLP	Solid	7470A	411863
480-134628-5	X-1-042018	TCLP	Solid	7470A	411863
LB 480-411629/1-C	Method Blank	TCLP	Solid	7470A	411863
MB 480-411863/2-A	Method Blank	Total/NA	Solid	7470A	411863
LCS 480-411863/3-A	Lab Control Sample	Total/NA	Solid	7470A	411863
480-134628-1 MS	NE-SE BERM-042018	TCLP	Solid	7470A	411863
480-134628-1 MSD	NE-SE BERM-042018	TCLP	Solid	7470A	411863

Analysis Batch: 412200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-2	E-BERM-042018	Total/NA	Solid	7471B	411938
480-134628-4	W-BERM-042018	Total/NA	Solid	7471B	411938
480-134628-6	X-2-042018	Total/NA	Solid	7471B	411938
MB 480-411938/1-A	Method Blank	Total/NA	Solid	7471B	411938

TestAmerica Buffalo

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Metals (Continued)

Analysis Batch: 412200 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSSRM 480-411938/2-A ^10	Lab Control Sample	Total/NA	Solid	7471B	411938

Analysis Batch: 412567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-1	NE-SE BERM-042018	TCLP	Solid	6010C	411807
480-134628-3	NW-SW-BERM-042018	TCLP	Solid	6010C	411807
480-134628-5	X-1-042018	TCLP	Solid	6010C	411807
LB 480-411629/1-B	Method Blank	TCLP	Solid	6010C	411807
MB 480-411807/2-A	Method Blank	Total/NA	Solid	6010C	411807
LCS 480-411807/3-A	Lab Control Sample	Total/NA	Solid	6010C	411807
480-134628-1 MS	NE-SE BERM-042018	TCLP	Solid	6010C	411807
480-134628-1 MSD	NE-SE BERM-042018	TCLP	Solid	6010C	411807

General Chemistry

Analysis Batch: 410104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-2	E-BERM-042018	Total/NA	Solid	Moisture	
480-134628-4	W-BERM-042018	Total/NA	Solid	Moisture	
480-134628-6	X-2-042018	Total/NA	Solid	Moisture	

Analysis Batch: 410886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-1	NE-SE BERM-042018	Total/NA	Solid	9095B	
480-134628-3	NW-SW-BERM-042018	Total/NA	Solid	9095B	
480-134628-5	X-1-042018	Total/NA	Solid	9095B	
480-134628-3 DU	NW-SW-BERM-042018	Total/NA	Solid	9095B	

Analysis Batch: 410913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-3	NW-SW-BERM-042018	Total/NA	Solid	9045D	
480-134628-5	X-1-042018	Total/NA	Solid	9045D	
LCS 480-410913/1	Lab Control Sample	Total/NA	Solid	9045D	

Analysis Batch: 410915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-1	NE-SE BERM-042018	Total/NA	Solid	9045D	
LCS 480-410915/1	Lab Control Sample	Total/NA	Solid	9045D	
480-134628-1 DU	NE-SE BERM-042018	Total/NA	Solid	9045D	

Prep Batch: 411671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-1	NE-SE BERM-042018	Total/NA	Solid	7.3.3	
480-134628-3	NW-SW-BERM-042018	Total/NA	Solid	7.3.3	
480-134628-5	X-1-042018	Total/NA	Solid	7.3.3	
MB 480-411671/1-A	Method Blank	Total/NA	Solid	7.3.3	
LCS 480-411671/2-A	Lab Control Sample	Total/NA	Solid	7.3.3	

TestAmerica Buffalo

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

General Chemistry (Continued)

Prep Batch: 411676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-1	NE-SE BERM-042018	Total/NA	Solid	7.3.4	
480-134628-3	NW-SW-BERM-042018	Total/NA	Solid	7.3.4	
480-134628-5	X-1-042018	Total/NA	Solid	7.3.4	
MB 480-411676/1-A	Method Blank	Total/NA	Solid	7.3.4	
LCS 480-411676/2-A	Lab Control Sample	Total/NA	Solid	7.3.4	

Analysis Batch: 411713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-1	NE-SE BERM-042018	Total/NA	Solid	9012	411671
480-134628-3	NW-SW-BERM-042018	Total/NA	Solid	9012	411671
480-134628-5	X-1-042018	Total/NA	Solid	9012	411671
MB 480-411671/1-A	Method Blank	Total/NA	Solid	9012	411671
LCS 480-411671/2-A	Lab Control Sample	Total/NA	Solid	9012	411671

Analysis Batch: 411721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-1	NE-SE BERM-042018	Total/NA	Solid	9034	411676
480-134628-3	NW-SW-BERM-042018	Total/NA	Solid	9034	411676
480-134628-5	X-1-042018	Total/NA	Solid	9034	411676
MB 480-411676/1-A	Method Blank	Total/NA	Solid	9034	411676
LCS 480-411676/2-A	Lab Control Sample	Total/NA	Solid	9034	411676

Analysis Batch: 411934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-1	NE-SE BERM-042018	Total/NA	Solid	1010A	
480-134628-3	NW-SW-BERM-042018	Total/NA	Solid	1010A	
480-134628-5	X-1-042018	Total/NA	Solid	1010A	
LCS 480-411934/1	Lab Control Sample	Total/NA	Solid	1010A	

Analysis Batch: 412609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-8	E-BERM-042018	Total/NA	Solid	Moisture	
480-134628-10	W-BERM-042018	Total/NA	Solid	Moisture	
480-134628-12	X-2-042018	Total/NA	Solid	Moisture	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Client Sample ID: NE-SE BERM-042018

Lab Sample ID: 480-134628-1

Date Collected: 04/20/18 09:30

Matrix: Solid

Date Received: 04/21/18 01:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			411629	04/30/18 11:22	RLT	TAL BUF
TCLP	Prep	3510C			412129	05/02/18 14:55	ATG	TAL BUF
TCLP	Analysis	8270D		1	412361	05/03/18 20:51	PJQ	TAL BUF
TCLP	Leach	1311			411629	04/30/18 11:22	RLT	TAL BUF
TCLP	Prep	3010A			411807	05/01/18 10:12	EMB	TAL BUF
TCLP	Analysis	6010C		1	412567	05/01/18 22:39	LMH	TAL BUF
TCLP	Leach	1311			411629	04/30/18 11:22	RLT	TAL BUF
TCLP	Prep	7470A			411863	05/01/18 13:35	BMB	TAL BUF
TCLP	Analysis	7470A		1	412067	05/01/18 20:14	BMB	TAL BUF
Total/NA	Analysis	1010A		1	411934	05/01/18 09:30	AED	TAL BUF
Total/NA	Prep	7.3.3			411671	04/30/18 05:03	LAW	TAL BUF
Total/NA	Analysis	9012		1	411713	04/30/18 16:38	MDL	TAL BUF
Total/NA	Prep	7.3.4			411676	04/30/18 05:03	LAW	TAL BUF
Total/NA	Analysis	9034		1	411721	04/30/18 15:45	MDL	TAL BUF
Total/NA	Analysis	9045D		1	410915	04/25/18 17:57	ALZ	TAL BUF
Total/NA	Analysis	9095B		1	410886	04/25/18 15:22	ALZ	TAL BUF

Client Sample ID: E-BERM-042018

Lab Sample ID: 480-134628-2

Date Collected: 04/20/18 10:15

Matrix: Solid

Date Received: 04/21/18 01:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	410104	04/21/18 08:45	CSW	TAL BUF

Client Sample ID: E-BERM-042018

Lab Sample ID: 480-134628-2

Date Collected: 04/20/18 10:15

Matrix: Solid

Date Received: 04/21/18 01:45

Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			411993	05/02/18 07:03	CAM	TAL BUF
Total/NA	Analysis	8270D		20	412413	05/04/18 01:21	MKP	TAL BUF
Total/NA	Prep	3550C			410453	04/24/18 07:51	SMP	TAL BUF
Total/NA	Analysis	8081B		50	410968	04/26/18 13:57	JLS	TAL BUF
Total/NA	Prep	3550C			411220	04/27/18 07:20	SMP	TAL BUF
Total/NA	Analysis	8082A		1	411578	04/30/18 21:26	W1T	TAL BUF
Total/NA	Prep	3050B			410124	04/21/18 11:57	JAK	TAL BUF
Total/NA	Analysis	6010C		1	410722	04/24/18 11:42	LMH	TAL BUF
Total/NA	Prep	3050B			410124	04/21/18 11:57	JAK	TAL BUF
Total/NA	Analysis	6010C		5	410722	04/24/18 11:46	LMH	TAL BUF
Total/NA	Prep	7471B			411938	05/02/18 15:10	BMB	TAL BUF
Total/NA	Analysis	7471B		1	412200	05/02/18 16:43	BMB	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Client Sample ID: NW-SW-BERM-042018

Lab Sample ID: 480-134628-3

Date Collected: 04/20/18 10:30

Matrix: Solid

Date Received: 04/21/18 01:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			411629	04/30/18 11:22	RLT	TAL BUF
TCLP	Prep	3510C			412129	05/02/18 14:55	ATG	TAL BUF
TCLP	Analysis	8270D		1	412361	05/03/18 21:19	PJQ	TAL BUF
TCLP	Leach	1311			411629	04/30/18 11:22	RLT	TAL BUF
TCLP	Prep	3010A			411807	05/01/18 10:12	EMB	TAL BUF
TCLP	Analysis	6010C		1	412567	05/01/18 23:10	LMH	TAL BUF
TCLP	Leach	1311			411629	04/30/18 11:22	RLT	TAL BUF
TCLP	Prep	7470A			411863	05/01/18 13:35	BMB	TAL BUF
TCLP	Analysis	7470A		1	412067	05/01/18 20:22	BMB	TAL BUF
Total/NA	Analysis	1010A		1	411934	05/01/18 09:30	AED	TAL BUF
Total/NA	Prep	7.3.3			411671	04/30/18 05:03	LAW	TAL BUF
Total/NA	Analysis	9012		1	411713	04/30/18 16:38	MDL	TAL BUF
Total/NA	Prep	7.3.4			411676	04/30/18 05:03	LAW	TAL BUF
Total/NA	Analysis	9034		1	411721	04/30/18 15:45	MDL	TAL BUF
Total/NA	Analysis	9045D		1	410913	04/25/18 14:13	ALZ	TAL BUF
Total/NA	Analysis	9095B		1	410886	04/25/18 15:22	ALZ	TAL BUF

Client Sample ID: W-BERM-042018

Lab Sample ID: 480-134628-4

Date Collected: 04/20/18 11:00

Matrix: Solid

Date Received: 04/21/18 01:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	410104	04/21/18 08:45	CSW	TAL BUF

Client Sample ID: W-BERM-042018

Lab Sample ID: 480-134628-4

Date Collected: 04/20/18 11:00

Matrix: Solid

Date Received: 04/21/18 01:45

Percent Solids: 84.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			411993	05/02/18 07:03	CAM	TAL BUF
Total/NA	Analysis	8270D		10	412413	05/04/18 01:48	MKP	TAL BUF
Total/NA	Prep	3550C			410453	04/24/18 07:51	SMP	TAL BUF
Total/NA	Analysis	8081B		50	410968	04/26/18 14:16	JLS	TAL BUF
Total/NA	Prep	3550C			411220	04/27/18 07:20	SMP	TAL BUF
Total/NA	Analysis	8082A		1	411578	04/30/18 21:41	W1T	TAL BUF
Total/NA	Prep	3050B			410124	04/21/18 11:57	JAK	TAL BUF
Total/NA	Analysis	6010C		1	410722	04/24/18 11:50	LMH	TAL BUF
Total/NA	Prep	7471B			411938	05/02/18 15:10	BMB	TAL BUF
Total/NA	Analysis	7471B		1	412200	05/02/18 16:45	BMB	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Client Sample ID: X-1-042018

Lab Sample ID: 480-134628-5

Date Collected: 04/20/18 00:00

Matrix: Solid

Date Received: 04/21/18 01:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			411629	04/30/18 11:22	RLT	TAL BUF
TCLP	Prep	3510C			412129	05/02/18 14:55	ATG	TAL BUF
TCLP	Analysis	8270D		1	412361	05/03/18 21:46	PJQ	TAL BUF
TCLP	Leach	1311			411629	04/30/18 11:22	RLT	TAL BUF
TCLP	Prep	3010A			411807	05/01/18 10:12	EMB	TAL BUF
TCLP	Analysis	6010C		1	412567	05/01/18 23:14	LMH	TAL BUF
TCLP	Leach	1311			411629	04/30/18 11:22	RLT	TAL BUF
TCLP	Prep	7470A			411863	05/01/18 13:35	BMB	TAL BUF
TCLP	Analysis	7470A		1	412067	05/01/18 20:24	BMB	TAL BUF
Total/NA	Analysis	1010A		1	411934	05/01/18 09:30	AED	TAL BUF
Total/NA	Prep	7.3.3			411671	04/30/18 05:03	LAW	TAL BUF
Total/NA	Analysis	9012		1	411713	04/30/18 16:38	MDL	TAL BUF
Total/NA	Prep	7.3.4			411676	04/30/18 05:03	LAW	TAL BUF
Total/NA	Analysis	9034		1	411721	04/30/18 15:45	MDL	TAL BUF
Total/NA	Analysis	9045D		1	410913	04/25/18 14:13	ALZ	TAL BUF
Total/NA	Analysis	9095B		1	410886	04/25/18 15:22	ALZ	TAL BUF

Client Sample ID: X-2-042018

Lab Sample ID: 480-134628-6

Date Collected: 04/20/18 00:00

Matrix: Solid

Date Received: 04/21/18 01:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	410104	04/21/18 08:45	CSW	TAL BUF

Client Sample ID: X-2-042018

Lab Sample ID: 480-134628-6

Date Collected: 04/20/18 00:00

Matrix: Solid

Date Received: 04/21/18 01:45

Percent Solids: 85.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			411993	05/02/18 07:03	CAM	TAL BUF
Total/NA	Analysis	8270D		10	412413	05/04/18 02:14	MKP	TAL BUF
Total/NA	Prep	3550C			410453	04/24/18 07:51	SMP	TAL BUF
Total/NA	Analysis	8081B		50	410968	04/26/18 14:36	JLS	TAL BUF
Total/NA	Prep	3550C			411220	04/27/18 07:20	SMP	TAL BUF
Total/NA	Analysis	8082A		1	411578	04/30/18 21:56	W1T	TAL BUF
Total/NA	Prep	3050B			410124	04/21/18 11:57	JAK	TAL BUF
Total/NA	Analysis	6010C		1	410722	04/24/18 11:57	LMH	TAL BUF
Total/NA	Prep	3050B			410124	04/21/18 11:57	JAK	TAL BUF
Total/NA	Analysis	6010C		5	410770	04/25/18 10:15	AMH	TAL BUF
Total/NA	Prep	7471B			411938	05/02/18 15:10	BMB	TAL BUF
Total/NA	Analysis	7471B		1	412200	05/02/18 16:46	BMB	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Client Sample ID: NE-SE BERM-042018

Lab Sample ID: 480-134628-7

Date Collected: 04/20/18 09:30

Matrix: Solid

Date Received: 04/21/18 01:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			411593	04/30/18 10:14	RLT	TAL BUF
TCLP	Analysis	8260C		10	413229	05/08/18 23:33	SV	TAL BUF

Client Sample ID: E-BERM-042018

Lab Sample ID: 480-134628-8

Date Collected: 04/20/18 10:15

Matrix: Solid

Date Received: 04/21/18 01:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	412609	05/04/18 10:57	KPK	TAL BUF

Client Sample ID: E-BERM-042018

Lab Sample ID: 480-134628-8

Date Collected: 04/20/18 10:15

Matrix: Solid

Date Received: 04/21/18 01:45

Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			410288	04/23/18 09:21	CDC	TAL BUF
Total/NA	Analysis	8260C		1	410294	04/23/18 19:10	AEM	TAL BUF

Client Sample ID: NW-SW-BERM-042018

Lab Sample ID: 480-134628-9

Date Collected: 04/20/18 10:30

Matrix: Solid

Date Received: 04/21/18 01:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			411593	04/30/18 10:14	RLT	TAL BUF
TCLP	Analysis	8260C		10	413229	05/08/18 23:57	SV	TAL BUF

Client Sample ID: W-BERM-042018

Lab Sample ID: 480-134628-10

Date Collected: 04/20/18 11:00

Matrix: Solid

Date Received: 04/21/18 01:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	412609	05/04/18 10:57	KPK	TAL BUF

Client Sample ID: W-BERM-042018

Lab Sample ID: 480-134628-10

Date Collected: 04/20/18 11:00

Matrix: Solid

Date Received: 04/21/18 01:45

Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			410288	04/23/18 09:21	CDC	TAL BUF
Total/NA	Analysis	8260C		1	410294	04/23/18 19:36	AEM	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Client Sample ID: X-1-042018

Lab Sample ID: 480-134628-11

Date Collected: 04/20/18 00:00

Matrix: Solid

Date Received: 04/21/18 01:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			411593	04/30/18 10:48	RLT	TAL BUF
TCLP	Analysis	8260C		10	413229	05/09/18 00:21	SV	TAL BUF

Client Sample ID: X-2-042018

Lab Sample ID: 480-134628-12

Date Collected: 04/20/18 00:00

Matrix: Solid

Date Received: 04/21/18 01:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	412609	05/04/18 10:57	KPK	TAL BUF

Client Sample ID: X-2-042018

Lab Sample ID: 480-134628-12

Date Collected: 04/20/18 00:00

Matrix: Solid

Date Received: 04/21/18 01:45

Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			410288	04/23/18 09:21	CDC	TAL BUF
Total/NA	Analysis	8260C		1	410294	04/23/18 20:01	AEM	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-18 *

The following analytes are included in this report, but accreditation/certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
9012	7.3.3	Solid	Cyanide, Reactive
9034	7.3.4	Solid	Sulfide, Reactive
9045D		Solid	Temperature
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

TestAmerica Buffalo

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Method	Method Description	Protocol	Laboratory
8260C	TCLP Volatiles	SW846	TAL BUF
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	TCLP Mercury	SW846	TAL BUF
7471B	Mercury (CVAA)	SW846	TAL BUF
1010A	Ignitability, Pensky-Martens Closed-Cup Method	SW846	TAL BUF
9012	Cyanide, Reactive	SW846	TAL BUF
9034	Sulfide, Reactive	SW846	TAL BUF
9045D	pH	SW846	TAL BUF
9095B	Paint Filter	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
1311	TCLP Extraction	SW846	TAL BUF
3010A	Preparation, Total Metals	SW846	TAL BUF
3050B	Preparation, Metals	SW846	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
3550C	Ultrasonic Extraction	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF
5035A_L	Closed System Purge and Trap	SW846	TAL BUF
7.3.3	Cyanide, Reactive	SW846	TAL BUF
7.3.4	Sulfide, Reactive	SW846	TAL BUF
7470A	Preparation, Mercury	SW846	TAL BUF
7471B	Preparation, Mercury	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-134628-1	NE-SE BERM-042018	Solid	04/20/18 09:30	04/21/18 01:45
480-134628-2	E-BERM-042018	Solid	04/20/18 10:15	04/21/18 01:45
480-134628-3	NW-SW-BERM-042018	Solid	04/20/18 10:30	04/21/18 01:45
480-134628-4	W-BERM-042018	Solid	04/20/18 11:00	04/21/18 01:45
480-134628-5	X-1-042018	Solid	04/20/18 00:00	04/21/18 01:45
480-134628-6	X-2-042018	Solid	04/20/18 00:00	04/21/18 01:45
480-134628-7	NE-SE BERM-042018	Solid	04/20/18 09:30	04/21/18 01:45
480-134628-8	E-BERM-042018	Solid	04/20/18 10:15	04/21/18 01:45
480-134628-9	NW-SW-BERM-042018	Solid	04/20/18 10:30	04/21/18 01:45
480-134628-10	W-BERM-042018	Solid	04/20/18 11:00	04/21/18 01:45
480-134628-11	X-1-042018	Solid	04/20/18 00:00	04/21/18 01:45
480-134628-12	X-2-042018	Solid	04/20/18 00:00	04/21/18 01:45

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

COC No: 480-112151-26023.1
Page: Page 1 of 1
Job #: 480-134628 COC

Client Information
Client Contact: Mr. Yuri Veliz
Company: O'Brien & Gere Inc of North America
Address: 333 West Washington St. PO BOX 4873
City: East Syracuse
State, Zip: NY, 13221
Phone: 315-956-6100(Tel) 315-463-7554(Fax)
Email: Yuri.Veliz@obg.com
Project Name: Midler Crossing - Characteristic Soil
Site: SSOW#

Lab PM: Deyo, Melissa L
E-Mail: melissa.deyo@testamericainc.com
Carrier Tra



Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=soil, A=air)	Analysis Requested												Special Instructions/Note:
					9012 ReactiveCN, 9034 Reactive	9095B - Paint Filter	6010C, 7470A, 8270D	8260C - TCLP Volatiles	1010A, 9045D	6010C, 7471B	8081B, 8082A, 8270D	8260C - TCL VOCs	Total Number of containers				
NE-SE Be1m-042018	4-20-18	0930	C	Solid	X	X	X	X	X	X	X	X	X	X	4		
NE-SE Be1m-042018	4-20-18	0930	G	Solid											1		
E-Be1m-042018	4-20-18	1015	C	Solid											3		
E-Be1m-042018	4-20-18	1015	G	Solid											1		
NW-SW-Be1m-042018	4-20-18	1050	C	Solid	X	X	X	X	X	X	X	X	X	X	4		
NW-SW-Be1m-042018	4-20-18	1050	G	Solid											1		
W-Be1m-042018	4-20-18	1100	C	Solid											3		
W-Be1m-042018	4-20-18	1100	G	Solid											1		
X-1-042018	4-20-18	-	C/G	Solid	X	X	X	X	X	X	X	X	X	X	5	6mb sample VOC	
X-2-042018	4-20-18	-	C/G	Solid	X	X	X	X	X	X	X	X	X	X	4	6mb sample VOC	

Possible Hazard Identification		Deliverable Requested: I, II, III, IV, Other (specify)		Empty Kit Relinquished by:		Relinquished by:		Relinquished by:		Relinquished by:		Custody Seal No.:	
Non-Hazard	Flammable	Skin Irritant	Poison B	Unknown	Radiochemical	Date:	Time:	Date:	Time:	Date:	Time:	Company	Company
☐	☐	☐	☐	☐	☐	4-20-18	1410	4-20-18	1410	4-20-18	1410	Company	Company
☐	☐	☐	☐	☐	☐	4-20-18	1900	4-20-18	1900	4-20-18	1900	Company	Company
☐	☐	☐	☐	☐	☐	4-20-18	1900	4-20-18	1900	4-20-18	1900	Company	Company
Cooler Temperature(s) °C and Other Remarks: 0.4													

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-134628-1

Login Number: 134628

List Source: TestAmerica Buffalo

List Number: 1

Creator: Williams, Christopher S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	