CVCC
Envirotech Consultants, LLC

2931 Whittington Avenue
Baltimore, MD 21230
Phone: 410-525-0045
24/7: 800-874-2313
Fax: 410-525-8644

January 8, 2013

Mr. Steve Stookey, Southern Maryland Oil
6355 Crain Highway, LaPlata, MD 20646

Re: Report of Findings for SMO-550
Hanover Shell - 2631 Annapolis Road, Hanover, MD

Dear Mr. Stookey,

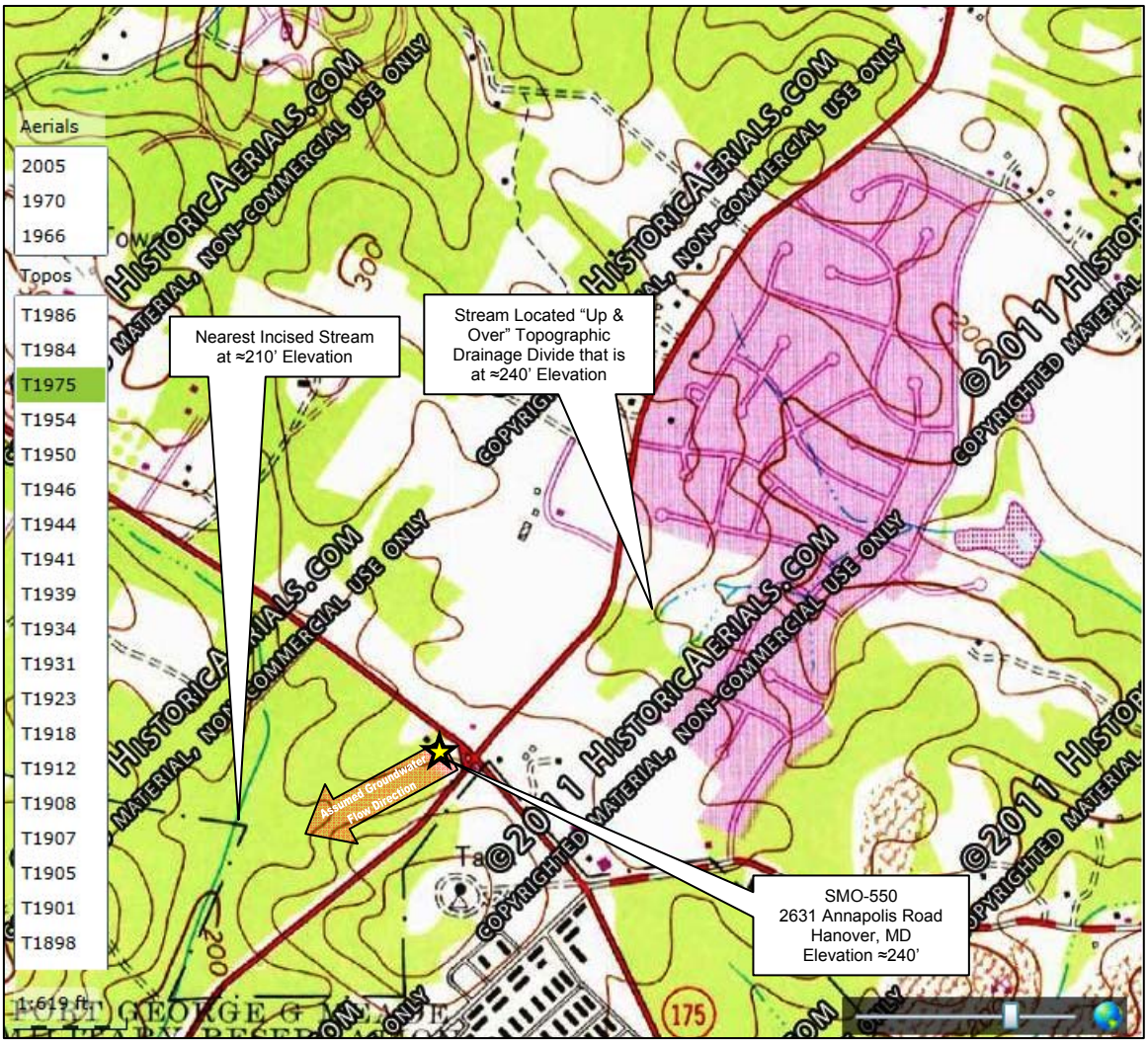
We have prepared this correspondence to provide you with a summary of our findings for the water supply well sampling conducted at the above site on December 6, 2012, and subsequent sampling of existing monitoring wells on December 26, 2012. The supply well sampling was performed in response to a recent UST system release, and per the direction of SMO. Upon arrival, a sampling technician allowed the water supply system to drain for approximately 20-minutes from an opened tap water spigot. The water supply is maintained with a relatively large Culligan-brand water treatment works. After 20-minutes of supply line operation, a sample of the water was collected from the supply line before the treatment system. The samples were prepared in laboratory-supplied glassware and submitted to the laboratory the same day of collection. At the laboratory, the samples were analyzed for Volatile Organic Compounds (VOCs) per EPA Method 8260. The laboratory report of analysis shows that the sample did not contain VOCs above the respective detection limits (0.2 to 5 micrograms per liter, µg/l, or parts per billion, ppb). A copy of the laboratory report of analysis is attached.

In addition to collection of the water supply sample, a site walkover was conducted to determine if monitoring wells were present at the site. At least six monitoring wells were discovered and locations are presented on the attached aerial photographic map. Two of the wells could not be accessed due to blocked/locked wellhead assemblies that could not be removed with conventional hand tools. Two other wells were gauged to be dry - one at 34.75' (MW2) and a second at 11.7' depth (MW5). The remaining two wells are both approximately 34½' deep (MW1 and MW4), and contained groundwater at approximately 26.1' below top of casing (or about 26¼' below grade). The 11.7'-deep well (identified as MW5 on the attached map) is believed to be a tankfield monitoring pipe. MW6's location and configuration also lead us to believe that it too is a shallow tankfield monitoring pipe.

On December 26, 2012, we revisited the site to gain access to all existing monitoring wells. MW1 and MW4 were both found to contain groundwater at approximately 26¼' below top of casing (or about 26¾' below grade). MW2 was found to be dry as indicated above. MW3 was gauged to be dry at 13' below top of casing; MW5 was dry at 11.7' below top of casing, and MW6 contained water at 9½' depth with bottom of well at 9.7' depth (e.g., cap water). Per the above, MW2, MW3 and MW6 appear to be constructed as tankfield monitoring pipes and do not contain groundwater. The reason that MW2 does not contain groundwater similar to MW1 and MW4 is not known, especially because the well is constructed to a similar depth. MW2 could be screened different than MW1 and MW4. None of the monitoring wells were equipped with well tags to determine their installation details. In conjunction with the December 26 gauging, the groundwater in MW1 and MW4 was sampled per MDE Meat Document guidelines. MW1's groundwater sample contained 0.35 mg/l Diesel Range Organics (DRO), and no VOCs or Gasoline Range Organics (GRO) were measured above detection limits. The groundwater sample from MW4 contained 2900 µg/l Benzene, 5131 µg/l Total BTEX, 61 µg/l MTBE, 5298 µg/l Total VOC, 9.9 mg/l GRO and 0.28 mg/l DRO. A copy of the laboratory report of analysis is attached.

Review of a topographic map and historical aerial photographs shows that the property has been used as a gas station for approximately 50 years, with a gas-station at the site as early as 1961. Topographically, the nearest incised stream is located approximately 1085' to the southwest, and is an unnamed, southerly-flowing tributary to southerly-flowing Midway Branch,

a feeder stream to the Patuxent Stream located several miles south of the site. The site is located at approximately 240' elevation, and the nearest stream is approximately 210' elevation (30' difference), consistent with the depth to groundwater measured in the two monitoring wells (about 26' depth). However, directly northeast of the site and through (or up and over) a topographic drainage divide is a second temporal stream that ultimately leads to Severn Run located several miles east of the site. The temporal stream is located at a similar elevation as the site. Consequently, the site is located near a topographic drainage divide and given a relatively deep depth to groundwater, the site may be located in a groundwater recharge zone. Because only two of the six existing monitoring wells contained groundwater, the groundwater flow direction and configuration is not specifically known at this time. However, based on topographic indications, groundwater flow is presumed to be to the southwest, but seasonal changes to groundwater flow may prevail, and which may cause groundwater flow direction to reverse to the northeast. A copy of a topographic map is presented below.



Assuming groundwater flow direction is to the southwest, MW4 is located on the apparent downgradient side of the UST tankfield, while MW1 is located upgradient of the dispenser island area. The dissolved petroleum concentrations measured in the MW4 groundwater sample are consistent with a relatively newer petroleum release with a proportionally high Benzene concentration. As such, the lateral and vertical extent of the petroleum plume should be investigated and addressed if warranted, and the following is proposed as part of a subsurface soil and groundwater assessment.

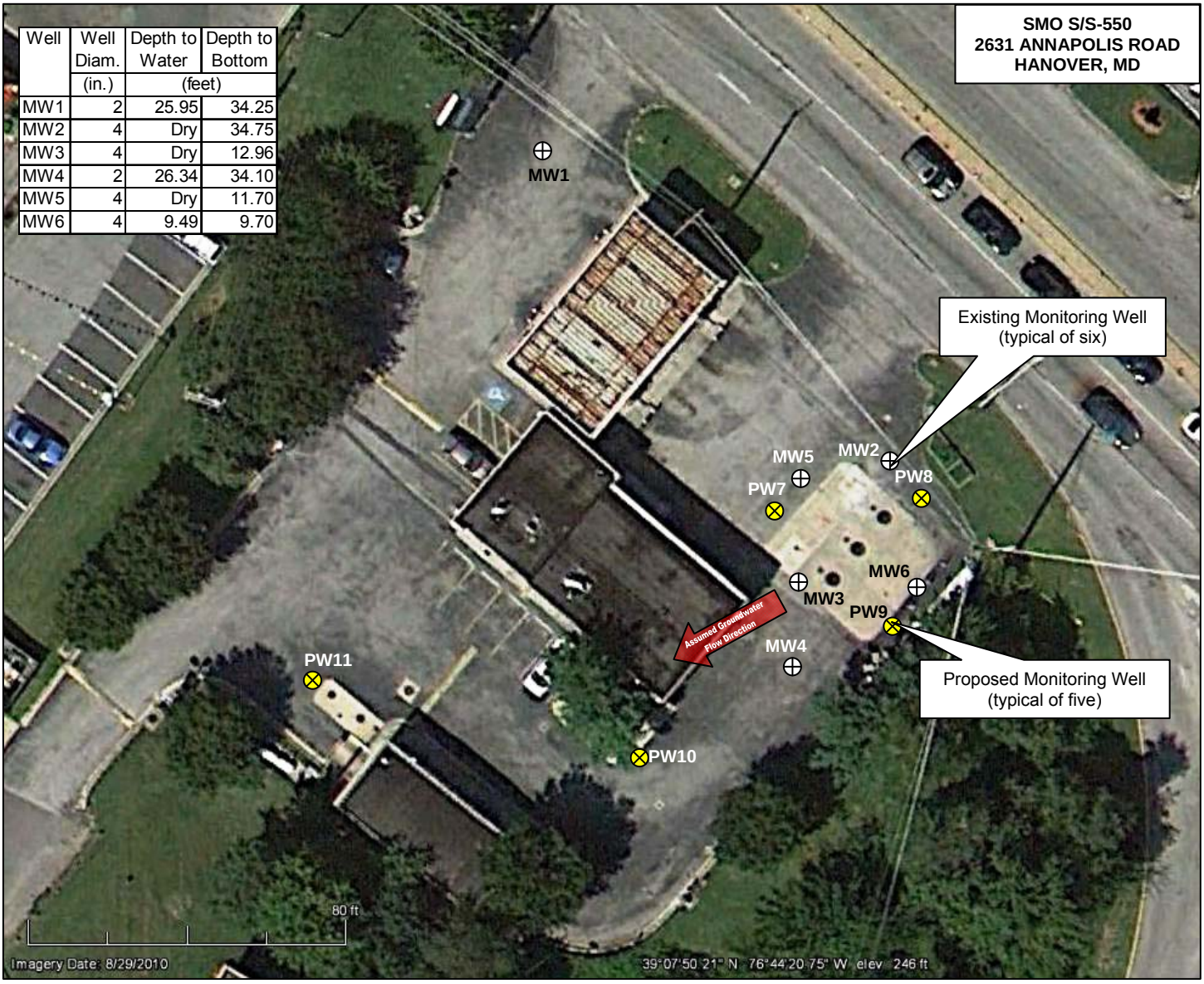
1. Geoprobe drilling methods are proposed to be used to obtain continuous soil samples through first groundwater, assumed to be approximately 26' below grade. The soil samples will be field tested using a headspace method to assess vertical existence of petroleum vapors and aid in selection of samples for laboratory confirmation testing. At least five soil borings will be constructed as identified as PW7 through PW11 on the attached aerial photographic map.
2. After construction and soil sampling using geoprobe drilling methods, each of the above soil borings would be redrilled using hollow stem auger drilling methods to allow construction of 4"-diameter monitoring wells. The wells are proposed to be constructed to 35' depth and screened from 15' to 35' depth, filter pack from 13' to 35' depth, bentonite seal from 10' to 13' depth and grout to grade. The wells would be completed within steel traffic boxes, equipped with locking well seals and locks.
3. The new monitoring wells and the two existing monitoring wells containing groundwater will be developed using surge block and overpumping methods. Development fluids will be drummed and allowed to gravity separate. All viable wells will be surveyed to a common benchmark.
4. Two weeks after the wells are developed, they will be gauged and sampled per MDE guidelines beginning with the removal of approximately three times the standing volume of water in each well. Depths to groundwater and well bottom will be measured to the nearest 0.01' increment using an electronic oil/water interface probe. Purge water will be processed through a portable carbon filter and allowed to discharge onsite. After a period of equilibrium and recharge, designated/disposable sampling bailers will be used to grab a sample of the recharged groundwater from each viable well.
5. The soil and groundwater samples will be submitted to an independent laboratory for testing per MDE Meat Document guidelines including VOCs, GRO and DRO using EPA Methods 8260 and 8015, respectively.
6. Although the December 2012 supply well sample testing data showed the lack of VOCs in the site's water supply well, there are two hydraulically down-gradient properties from the site that may rely on supply wells. The locations of the properties in reference to the subject site are presented below. Pending area reconnaissance and supply well database search and review, sampling and testing of the water from the two downgradient property wells (if any) is warranted, and would be conducted similar to the procedures employed for the site's supply well as discussed above.
7. The results of above investigation will be summarized in a report of findings that will include groundwater flow and concentration distribution maps, geologic logs, analytical results summary tables and copies of laboratory testing data. Soil boring and monitoring well construction activities will be scheduled pending receipt of applicable permits and coordination of underground utility markouts.

If you have any questions concerning this submittal, please contact us at (410)525-0045.

Sincerely,

Douglas O. Hamilton, Principal Hydrogeologist
Envirotech Consultants, LLC
part of the Clean Venture & Cycle Chem Companies
2931 Whittington Avenue, Baltimore, MD 21230
Office (410)525-0045, 24/7 (800)874-2313
Fax (410)525-8644, Cell (443)255-1633
Email dhamilton@envirotechllc.com

Well	Well Diam.	Depth to Water	Depth to Bottom
	(in.)	(feet)	
MW1	2	25.95	34.25
MW2	4	Dry	34.75
MW3	4	Dry	12.96
MW4	2	26.34	34.10
MW5	4	Dry	11.70
MW6	4	9.49	9.70



CALIBER ANALYTICAL SERVICES

Certificate of Analysis

Envirotech Consultants, LLC.
2931 Whittington Ave.
Baltimore, MD 21230

Date Sampled: 12/26/12
Date Received: 12/28/12 10:15
Date Issued: 01/08/13

Project: SMO Ft. Meade
Site Location: Hanover, MD
Project Number: 71401

SDG Number: 12122801

Field Sample ID: 71401 MW-1 **Matrix: Water** **Lab ID: 12122801-01**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES							
Dichlorodifluoromethane	ND	ug/L	1	EPA 8260B	01/02/13	01/02/13 16:36	JKL
Chloromethane	ND	ug/L	1	EPA 8260B	01/02/13	01/02/13 16:36	JKL
Vinyl chloride	ND	ug/L	1	EPA 8260B	01/02/13	01/02/13 16:36	JKL
Bromomethane	ND	ug/L	1	EPA 8260B	01/02/13	01/02/13 16:36	JKL
Chloroethane	ND	ug/L	1	EPA 8260B	01/02/13	01/02/13 16:36	JKL
Trichlorofluoromethane	ND	ug/L	5	EPA 8260B	01/02/13	01/02/13 16:36	JKL
1,1-Dichloroethene	ND	ug/L	1	EPA 8260B	01/02/13	01/02/13 16:36	JKL
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1	EPA 8260B	01/02/13	01/02/13 16:36	JKL
Acetone	ND	ug/L	10	EPA 8260B	01/02/13	01/02/13 16:36	JKL
Carbon disulfide	ND	ug/L	5	EPA 8260B	01/02/13	01/02/13 16:36	JKL
Methyl acetate	ND	ug/L	5	EPA 8260B	01/02/13	01/02/13 16:36	JKL
Methylene chloride	ND	ug/L	5	EPA 8260B	01/02/13	01/02/13 16:36	JKL
trans-1,2-Dichloroethene	ND	ug/L	1	EPA 8260B	01/02/13	01/02/13 16:36	JKL
Methyl t-butyl ether (MTBE)	ND	ug/L	1	EPA 8260B	01/02/13	01/02/13 16:36	JKL
1,1-Dichloroethane	ND	ug/L	1	EPA 8260B	01/02/13	01/02/13 16:36	JKL
cis-1,2-Dichloroethene	ND	ug/L	1	EPA 8260B	01/02/13	01/02/13 16:36	JKL
2-Butanone (MEK)	ND	ug/L	5	EPA 8260B	01/02/13	01/02/13 16:36	JKL
Chloroform	ND	ug/L	1	EPA 8260B	01/02/13	01/02/13 16:36	JKL
1,1,1-Trichloroethane	ND	ug/L	1	EPA 8260B	01/02/13	01/02/13 16:36	JKL
Cyclohexane	ND	ug/L	5	EPA 8260B	01/02/13	01/02/13 16:36	JKL
Carbon tetrachloride	ND	ug/L	1	EPA 8260B	01/02/13	01/02/13 16:36	JKL
Benzene	ND	ug/L	1	EPA 8260B	01/02/13	01/02/13 16:36	JKL
1,2-Dichloroethane	ND	ug/L	1	EPA 8260B	01/02/13	01/02/13 16:36	JKL
Trichloroethene	ND	ug/L	1	EPA 8260B	01/02/13	01/02/13 16:36	JKL
Methylcyclohexane	ND	ug/L	5	EPA 8260B	01/02/13	01/02/13 16:36	JKL
1,2-Dichloropropane	ND	ug/L	1	EPA 8260B	01/02/13	01/02/13 16:36	JKL
Bromodichloromethane	ND	ug/L	1	EPA 8260B	01/02/13	01/02/13 16:36	JKL
cis-1,3-Dichloropropene	ND	ug/L	1	EPA 8260B	01/02/13	01/02/13 16:36	JKL
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5	EPA 8260B	01/02/13	01/02/13 16:36	JKL
Toluene	ND	ug/L	1	EPA 8260B	01/02/13	01/02/13 16:36	JKL
trans-1,3-Dichloropropene	ND	ug/L	1	EPA 8260B	01/02/13	01/02/13 16:36	JKL
1,1,2-Trichloroethane	ND	ug/L	1	EPA 8260B	01/02/13	01/02/13 16:36	JKL
Tetrachloroethene	ND	ug/L	1	EPA 8260B	01/02/13	01/02/13 16:36	JKL
2-Hexanone (MBK)	ND	ug/L	5	EPA 8260B	01/02/13	01/02/13 16:36	JKL
Dibromochloromethane	ND	ug/L	1	EPA 8260B	01/02/13	01/02/13 16:36	JKL
1,2-Dibromoethane	ND	ug/L	1	EPA 8260B	01/02/13	01/02/13 16:36	JKL
Chlorobenzene	ND	ug/L	1	EPA 8260B	01/02/13	01/02/13 16:36	JKL
Ethylbenzene	ND	ug/L	1	EPA 8260B	01/02/13	01/02/13 16:36	JKL
m&p-Xylene	ND	ug/L	2	EPA 8260B	01/02/13	01/02/13 16:36	JKL
o-Xylene	ND	ug/L	1	EPA 8260B	01/02/13	01/02/13 16:36	JKL

8851 Orchard Tree Lane Towson, Maryland 21286
tel: 410.825.1151 fax: 410.825.2126 www.caslabs.net

CALIBER ANALYTICAL SERVICES

Certificate of Analysis

Envirotech Consultants, LLC.
2931 Whittington Ave.
Baltimore, MD 21230

Date Sampled: 12/26/12
Date Received: 12/28/12 10:15
Date Issued: 01/08/13

Project: SMO Ft. Meade
Site Location: Hanover, MD
Project Number: 71401

SDG Number: 12122801

Field Sample ID: 71401 MW-1 **Matrix: Water** **Lab ID: 12122801-01**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES							
Styrene	ND	ug/L	1	EPA 8260B	01/02/13	01/02/13 16:36	JKL
Bromoform	ND	ug/L	1	EPA 8260B	01/02/13	01/02/13 16:36	JKL
Isopropylbenzene	ND	ug/L	1	EPA 8260B	01/02/13	01/02/13 16:36	JKL
1,1,2,2-Tetrachloroethane	ND	ug/L	1	EPA 8260B	01/02/13	01/02/13 16:36	JKL
1,3-Dichlorobenzene	ND	ug/L	1	EPA 8260B	01/02/13	01/02/13 16:36	JKL
1,4-Dichlorobenzene	ND	ug/L	1	EPA 8260B	01/02/13	01/02/13 16:36	JKL
1,2-Dichlorobenzene	ND	ug/L	1	EPA 8260B	01/02/13	01/02/13 16:36	JKL
1,2-Dibromo-3-chloropropane	ND	ug/L	1	EPA 8260B	01/02/13	01/02/13 16:36	JKL
1,2,4-Trichlorobenzene	ND	ug/L	2	EPA 8260B	01/02/13	01/02/13 16:36	JKL
Naphthalene	ND	ug/L	10	EPA 8260B	01/02/13	01/02/13 16:36	JKL
Ethyl t-butyl ether (ETBE)	ND	ug/L	1	EPA 8260B	01/02/13	01/02/13 16:36	JKL
tert-Butanol (TBA)	ND	ug/L	25	EPA 8260B	01/02/13	01/02/13 16:36	JKL
Diisopropyl ether (DIPE)	ND	ug/L	1	EPA 8260B	01/02/13	01/02/13 16:36	JKL
tert-Amyl methyl ether (TAME)	ND	ug/L	1	EPA 8260B	01/02/13	01/02/13 16:36	JKL
tert-Amyl alcohol (TAA)	ND	ug/L	25	EPA 8260B	01/02/13	01/02/13 16:36	JKL
tert-Amyl ethyl ether (TAEE)	ND	ug/L	1	EPA 8260B	01/02/13	01/02/13 16:36	JKL
Total Petroleum Hydrocarbons - (C10-C28) DRO							
Diesel Range Organics	**0.35**	mg/L	0.33	EPA 8015C	01/02/13	01/03/13 9:09	AC
Total Petroleum Hydrocarbons - (C6-C10) GRO							
Gasoline Range Organics	ND	mg/L	0.2	EPA 8015C	01/04/13	01/04/13 20:47	CBS

Notes/Qualifiers:
LLQ- Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.

Approved by:

QC Chemist

8851 Orchard Tree Lane Towson, Maryland 21286
tel: 410.825.1151 fax: 410.825.2126 www.caslabs.net

CALIBER ANALYTICAL SERVICES

Certificate of Analysis

Envirotech Consultants, LLC.
2931 Whittington Ave.
Baltimore, MD 21230

Date Sampled: 12/26/12
Date Received: 12/28/12 10:15
Date Issued: 01/08/13

Project: SMO Ft. Meade
Site Location: Hanover, MD
Project Number: 71401

SDG Number: 12122801

Field Sample ID: 71401 MW-4 **Matrix: Water** **Lab ID: 12122801-02**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES							
Dichlorodifluoromethane	ND	ug/L	20	EPA 8260B	01/03/13	01/03/13 14:59	JKL
Chloromethane	ND	ug/L	20	EPA 8260B	01/03/13	01/03/13 14:59	JKL
Vinyl chloride	ND	ug/L	20	EPA 8260B	01/03/13	01/03/13 14:59	JKL
Bromomethane	ND	ug/L	20	EPA 8260B	01/03/13	01/03/13 14:59	JKL
Chloroethane	ND	ug/L	20	EPA 8260B	01/03/13	01/03/13 14:59	JKL
Trichlorofluoromethane	ND	ug/L	100	EPA 8260B	01/03/13	01/03/13 14:59	JKL
1,1-Dichloroethene	ND	ug/L	20	EPA 8260B	01/03/13	01/03/13 14:59	JKL
1,1,2-Trichlorotrifluoroethane	ND	ug/L	20	EPA 8260B	01/03/13	01/03/13 14:59	JKL
Acetone	ND	ug/L	200	EPA 8260B	01/03/13	01/03/13 14:59	JKL
Carbon disulfide	ND	ug/L	100	EPA 8260B	01/03/13	01/03/13 14:59	JKL
Methyl acetate	ND	ug/L	100	EPA 8260B	01/03/13	01/03/13 14:59	JKL
Methylene chloride	ND	ug/L	100	EPA 8260B	01/03/13	01/03/13 14:59	JKL
trans-1,2-Dichloroethene	ND	ug/L	20	EPA 8260B	01/03/13	01/03/13 14:59	JKL
Methyl t-butyl ether (MTBE)	**61**	ug/L	20	EPA 8260B	01/03/13	01/03/13 14:59	JKL
1,1-Dichloroethane	ND	ug/L	20	EPA 8260B	01/03/13	01/03/13 14:59	JKL
cis-1,2-Dichloroethene	ND	ug/L	20	EPA 8260B	01/03/13	01/03/13 14:59	JKL
2-Butanone (MEK)	ND	ug/L	100	EPA 8260B	01/03/13	01/03/13 14:59	JKL
Chloroform	ND	ug/L	20	EPA 8260B	01/03/13	01/03/13 14:59	JKL
1,1,1-Trichloroethane	ND	ug/L	20	EPA 8260B	01/03/13	01/03/13 14:59	JKL
Cyclohexane	**220**	ug/L	100	EPA 8260B	01/03/13	01/03/13 14:59	JKL
Carbon tetrachloride	ND	ug/L	20	EPA 8260B	01/03/13	01/03/13 14:59	JKL
Benzene	**2,900**	ug/L	100	EPA 8260B	01/04/13	01/04/13 12:37	JKL
1,2-Dichloroethane	ND	ug/L	20	EPA 8260B	01/03/13	01/03/13 14:59	JKL
Trichloroethene	ND	ug/L	20	EPA 8260B	01/03/13	01/03/13 14:59	JKL
Methylcyclohexane	ND	ug/L	100	EPA 8260B	01/03/13	01/03/13 14:59	JKL
1,2-Dichloropropane	ND	ug/L	20	EPA 8260B	01/03/13	01/03/13 14:59	JKL
Bromodichloromethane	ND	ug/L	20	EPA 8260B	01/03/13	01/03/13 14:59	JKL
cis-1,3-Dichloropropene	ND	ug/L	20	EPA 8260B	01/03/13	01/03/13 14:59	JKL
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	EPA 8260B	01/03/13	01/03/13 14:59	JKL
Toluene	**300**	ug/L	20	EPA 8260B	01/03/13	01/03/13 14:59	JKL
trans-1,3-Dichloropropene	ND	ug/L	20	EPA 8260B	01/03/13	01/03/13 14:59	JKL
1,1,2-Trichloroethane	ND	ug/L	20	EPA 8260B	01/03/13	01/03/13 14:59	JKL
Tetrachloroethene	ND	ug/L	20	EPA 8260B	01/03/13	01/03/13 14:59	JKL
2-Hexanone (MBK)	ND	ug/L	100	EPA 8260B	01/03/13	01/03/13 14:59	JKL
Dibromochloromethane	ND	ug/L	20	EPA 8260B	01/03/13	01/03/13 14:59	JKL
1,2-Dibromoethane	ND	ug/L	20	EPA 8260B	01/03/13	01/03/13 14:59	JKL
Chlorobenzene	ND	ug/L	20	EPA 8260B	01/03/13	01/03/13 14:59	JKL
Ethylbenzene	**690**	ug/L	20	EPA 8260B	01/03/13	01/03/13 14:59	JKL
m&p-Xylene	**1,200**	ug/L	40	EPA 8260B	01/03/13	01/03/13 14:59	JKL
o-Xylene	**41**	ug/L	20	EPA 8260B	01/03/13	01/03/13 14:59	JKL

8851 Orchard Tree Lane Towson, Maryland 21286
tel: 410.825.1151 fax: 410.825.2126 www.caslabs.net

CALIBER ANALYTICAL SERVICES

Certificate of Analysis

Envirotech Consultants, LLC.
2931 Whittington Ave.
Baltimore, MD 21230

Date Sampled: 12/26/12
Date Received: 12/28/12 10:15
Date Issued: 01/08/13

Project: SMO Ft. Meade
Site Location: Hanover, MD
Project Number: 71401

SDG Number: 12122801

Field Sample ID: 71401 MW-4 **Matrix: Water** **Lab ID: 12122801-02**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES							
Styrene	ND	ug/L	20	EPA 8260B	01/03/13	01/03/13 14:59	JKL
Bromoform	ND	ug/L	20	EPA 8260B	01/03/13	01/03/13 14:59	JKL
Isopropylbenzene	**35**	ug/L	20	EPA 8260B	01/03/13	01/03/13 14:59	JKL
1,1,2,2-Tetrachloroethane	ND	ug/L	20	EPA 8260B	01/03/13	01/03/13 14:59	JKL
1,3-Dichlorobenzene	ND	ug/L	20	EPA 8260B	01/03/13	01/03/13 14:59	JKL
1,4-Dichlorobenzene	ND	ug/L	20	EPA 8260B	01/03/13	01/03/13 14:59	JKL
1,2-Dichlorobenzene	ND	ug/L	20	EPA 8260B	01/03/13	01/03/13 14:59	JKL
1,2-Dibromo-3-chloropropane	ND	ug/L	20	EPA 8260B	01/03/13	01/03/13 14:59	JKL
1,2,4-Trichlorobenzene	ND	ug/L	40	EPA 8260B	01/03/13	01/03/13 14:59	JKL
Naphthalene	ND	ug/L	200	EPA 8260B	01/03/13	01/03/13 14:59	JKL
Ethyl t-butyl ether (ETBE)	ND	ug/L	20	EPA 8260B	01/03/13	01/03/13 14:59	JKL
tert-Butanol (TBA)	ND	ug/L	500	EPA 8260B	01/03/13	01/03/13 14:59	JKL
Diisopropyl ether (DIPE)	**71**	ug/L	20	EPA 8260B	01/03/13	01/03/13 14:59	JKL
tert-Amyl methyl ether (TAME)	ND	ug/L	20	EPA 8260B	01/03/13	01/03/13 14:59	JKL
tert-Amyl alcohol (TAA)	ND	ug/L	500	EPA 8260B	01/03/13	01/03/13 14:59	JKL
tert-Amyl ethyl ether (TAEE)	ND	ug/L	20	EPA 8260B	01/03/13	01/03/13 14:59	JKL
Total Petroleum Hydrocarbons - (C10-C28) DRO							
Diesel Range Organics	**0.28**	mg/L	0.24	EPA 8015C	01/02/13	01/03/13 9:42	AC
Total Petroleum Hydrocarbons - (C6-C10) GRO							
Gasoline Range Organics	**9.9**	mg/L	0.2	EPA 8015C	01/04/13	01/04/13 21:10	CBS

Notes/Qualifiers:
LLQ- Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.

Approved by: Matt Ochs
QC Chemist

8851 Orchard Tree Lane Towson, Maryland 21286
tel: 410.825.1151 fax: 410.825.2126 www.caslabs.net

CALIBER ANALYTICAL SERVICES

8851 Orchard Tree Lane Towson, MD 21286
Phone: 410.825.1151
Fax: 410.825.2126
www.caslabs.net

Chain of Custody Record

Customer:	Enviro Tech
Contact/Report to:	Doug Hamilton
Phone:	410) 525-0045
Fax:	410) 525-8644

E-mail address:	JPHMD@AOL.com
Project Name:	SMO Ft. Meade
Project Number:	71401
Location:	Hanover, MD

SDG Number:	12122801
PO Number:	71401-3351

Analysis Requested

Lab Number	Field Sample ID	Date Sampled	Time Sampled	No. of Bottles	Matrix	Preservative	VOC 8260	GRO 8015	DRO 8015								Sampling Remarks/ Comments
	71401 MW-1	12/26/12	AM	4			✓	✓	✓								
	71401 MW-4	12/26/12	AM	4			✓	✓	✓								
	~~71401 MW-6~~	~~12/26/12~~	~~AM~~	~~1~~													

Relinquished by:		Date/Time:	12/26/12 11 AM	Deliverables:	Receipt Temperature:	Turnaround Time:	
Received by:		Date/Time:	12/28/12 1015	I II III CLP EDD	Temp:_____ (On Ice)	(STD) Next Day 2-Day Other_____	
Relinquished by:		Date/Time:		Custody Seals:	Comments/Special Instructions:		
Received by:		Date/Time:		Sample Cooler			
Relinquished by:		Date/Time:		Delivered by client			
Received by:		Date/Time:					

CALIBER ANALYTICAL SERVICES

Certificate of Analysis

Envirotech Consultants, LLC.
2931 Whittington Ave.
Baltimore, MD 21230

Date Sampled: 12/06/12
Date Received: 12/06/12 10:15
Date Issued: 12/13/12

Project: SMO Ft. Meade Shell
Site Location: Severn, MD
Project Number: 71401

SDG Number: 12120601

Field Sample ID: 71401 SW-1 **Matrix: Drinking Water** **Lab ID: 12120601-01**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Volatile Organic Compounds							
Benzene	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
Bromobenzene	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
Bromochloromethane	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
Bromodichloromethane	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
Bromoform	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
Bromomethane	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
n-Butylbenzene	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
sec-Butylbenzene	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
tert-Butylbenzene	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
Carbon tetrachloride	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
Chlorobenzene	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
Chloroethane	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
Chloroform	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
Chloromethane	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
2-Chlorotoluene	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
4-Chlorotoluene	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
Dibromochloromethane	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
1,2-Dibromo-3-chloropropane	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
1,2-Dibromoethane	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
Dibromomethane	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
1,2-Dichlorobenzene	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
1,3-Dichlorobenzene	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
1,4-Dichlorobenzene	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
Dichlorodifluoromethane	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
1,1-Dichloroethane	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
1,2-Dichloroethane	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
1,1-Dichloroethene	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
cis-1,2-Dichloroethene	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
trans-1,2-Dichloroethene	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
1,2-Dichloropropane	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
1,3-Dichloropropane	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
2,2-Dichloropropane	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
1,1-Dichloropropene	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
cis-1,3-Dichloropropene	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
trans-1,3-Dichloropropene	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
Ethylbenzene	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
Isopropylbenzene	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
p-Isopropyltoluene	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
Methylene chloride	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
Methyl t-butyl ether (MTBE)	ND	ug/L	0.2	EPA 524.2	12/06/12	12/06/12 14:53	JKL

8851 Orchard Tree Lane Towson, Maryland 21286
tel: 410.825.1151 fax: 410.825.2126 www.caslabs.net

CALIBER ANALYTICAL SERVICES

Certificate of Analysis

Envirotech Consultants, LLC.
2931 Whittington Ave.
Baltimore, MD 21230

Date Sampled: 12/06/12
Date Received: 12/06/12 10:15
Date Issued: 12/13/12

Project: SMO Ft. Meade Shell
Site Location: Severn, MD
Project Number: 71401

SDG Number: 12120601

Field Sample ID: 71401 SW-1 **Matrix: Drinking Water** **Lab ID: 12120601-01**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Volatile Organic Compounds							
Naphthalene	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
n-Propylbenzene	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
Styrene	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
Tetrachloroethene	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
Toluene	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
1,2,3-Trichlorobenzene	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
1,2,4-Trichlorobenzene	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
1,1,1-Trichloroethane	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
1,1,2-Trichloroethane	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
Trichloroethene	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
Trichlorofluoromethane	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
1,2,3-Trichloropropane	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
1,2,4-Trimethylbenzene	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
1,3,5-Trimethylbenzene	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
Vinyl chloride	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
m&p-Xylene	ND	ug/L	1	EPA 524.2	12/06/12	12/06/12 14:53	JKL
o-Xylene	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
tert-Butanol (TBA)	ND	ug/L	5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
Ethyl t-butyl ether (ETBE)	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
Diisopropyl ether (DIPE)	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
tert-Amyl methyl ether (TAME)	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
tert-Amyl alcohol (TAA)	ND	ug/L	5	EPA 524.2	12/06/12	12/06/12 14:53	JKL
tert-Amyl ethyl ether (TAEE)	ND	ug/L	0.5	EPA 524.2	12/06/12	12/06/12 14:53	JKL

Notes/Qualifiers:
LLQ- Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.

Approved by:

QC Chemist

8851 Orchard Tree Lane Towson, Maryland 21286
tel: 410.825.1151 fax: 410.825.2126 www.caslabs.net

CALIBER ANALYTICAL SERVICES

8851 Orchard Tree Lane Towson, MD 21286
Phone: 410.825.1151
Fax: 410.825.2126
www.caslabs.net

Chain of Custody Record

Customer:	Enviro tech
Contact/Report to:	Doug Hamilton
Phone:	410) 525-0045
Fax:	410) 525-8644

E-mail address:	TPHMD@AOL.com
Project Name:	SMO Ft Meade Shell
Project Number:	71401
Location:	Severn, MD

SDG Number:	12120601
Sampled by:	
PO Number:	71401-3257

Analysis Requested

Lab Number	Field Sample ID	Date Sampled	Time Sampled	No. of Bottles	Preservative / Matrix	EDB 8260	GRO 8015	DRO 8015	VOC 524.2						Sampling Remarks/ Comments
	71401 SW-1	12/6/12	AM	3					✓						

Relinquished by:		Date/Time:	
Received by:		Date/Time:	12/6/12 1015
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	

Deliverables:
I II III CLP EDD

Custody Seals:
Sample Cooler
Delivered by client

Receipt Temperature:
Temp:____ On Ice

Turnaround Time:
STD Next Day 2-Day Other____

Comments/Special Instructions: