Periodic Review Report

Scott Rotary Seals Site
Olean, New York
BCP Site No. 905036

July 2014 0189-014-001

Prepared For: DST Properties NY, LLC
Scott Rotary Seals

TurnKey Environmental Restoration, LLC
Benchmark Environmental Engineering & Science, PLLC

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PERIODIC REVIEW REPORT

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(BCP SITE NO. C905036)

OLEAN, NEW YORK

July 2014 0189-014-001

Prepared for:

DST Properties NY, LLC

Prepared By:

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Scott Rotary Seals Site

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1.0 INTRODUCTION

Benchmark Environmental Engineering and Science, PLLC (Benchmark) in association with TurnKey Environmental Restoration, LLC (TurnKey) has prepared this Periodic Review Report (PRR), on behalf of DST Properties NY, LLC (DST) to summarize the post-remedial status of New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Site No. C905036, located in Olean, Cattaraugus County, New York (Site; see Figure 1), commonly referred to as the Scott Rotary Seals Site.

This PRR has been prepared for the Scott Rotary Seals Site in accordance with NYSDEC DER-10/*Technical Guidance for Site Investigation and Remediation* (May 3, 2010). The NYSDEC's Institutional and Engineering Controls (IC/EC) Certification Form has been completed for the Site (see Appendix A).

This PRR and the associated inspections form has been completed for the post-remedial activities at the Site for the period from December 11, 2012 to May 31, 2014. It should be noted that the Certificate of Completion (COC) for the Site was issued on December 11, 2012, and as such the Site is subject to the requirements of site management on that date.

1.1 Site Background

The Scott Rotary Seals Site encompasses approximately 2-acres of land which was redeveloped as an approximately 15,000-sf facility for the manufacture of rotating unions and rotary timing valves along with commercial office space in Olean, New York (see Figure 1). The Site was formerly a portion of a larger refinery and petroleum bulk storage facility commonly known as the former Socony-Vacuum facility situated in a heavily industrialized area of Olean. Figure 2 is an aerial view of the Site pre-remediation.

Grossly contaminated soils, stained soils and petroleum-like odors were observed site-wide during a Phase II Investigation completed by TurnKey in 2009. The Investigation also identified the presence of VOC tentatively identified compounds (TICs) and SVOC TICs in soil, and acetone, sec-butylbenzene, and phenanthrene, in groundwater above NYSDEC GWQS. It was concluded that, based on visual/olfactory observations, PID measurements, and analytical results, significant site-wide petroleum-VOC and -SVOC impacts were evident, with grossly contaminated soils present in some areas, and that

remediation was warranted. Groundwater was also impacted by Light Non-Aqueous Phase Liquids (LNAPL) on at least one occasion in monitoring wells MW-2, MW-4 and MW-6.

1.2 Remedial History

After acceptance into the New York State BCP in March 2010, an Interim Remedial Measures (IRM) Work Plan was prepared and subsequently approved by the NYSDEC. IRM activities were completed between March and May 2011 to address the removal of abandoned underground piping (and the contents thereof) and removal of four soil/fill/debris piles. A Remedial Action Work Plan (RAWP) was prepared and submitted by DST and was approved by the NYSDEC to address the residual soil and groundwater remediation. Remedial activities are described below in Section 2.0. The remedial program was successful in achieving the remedial objectives for the Site, and the Site Management Plan (SMP) and Final Engineering Report (FER) were approved by the Department in December 2012. The NYSDEC issued a COC for the Site on December 11, 2012.

1.3 Compliance and Recommendations

The site photo log is included in Appendix B. At the time of the Site inspection (June 23, 2014), the Site was fully compliant with the Department's approved SMP. Of note carbon was used at the outset of the SVE system operation to treat the effluent air from the SVE wells. However, the effluent air concentrations dropped and odors were not evident. As such, Benchmark petitioned the NYSDEC to terminate the usage of carbon which was granted by the NYSDEC in correspondence dated August 1, 2012.

TurnKey also petitioned the NYSDEC in May 2013 to assess the discontinuation of operation of the SVE system as a significant reduction was observed in the mass removal rate and the mass removal rate was "leveling-off". The NYSDEC granted the request and as such the SVE discontinuation evaluation which included soil sampling and testing was undertaken and discussed in a letter report to the NYSDEC dated July 16, 2013. The soil sampling from the four borings completed for the SVE discontinuation evaluation showed that the soil quality has greatly improved; gray staining has been removed and the soils are predominantly yellowish-brown; odors are either absent or reduced from strong to slight; the VOC concentrations based on PID readings have been decreased by a minimum of 80% to

over 90%; the soil analytical data show there are no exceedances of the Commercial Soil Clean-up Objectives (CSCOs); and the concentrations of contaminants have decreased sharply in the SVE exhaust. TurnKey proposed that the SVE system be terminated; this request has not been approved.

2.0 SITE OVERVIEW

The Scott Rotary Seals Site, located in the City of Olean, and identified as SBL 94.040-1-29.02, is an approximate 2-acre parcel bounded by Franklin Street to the north, railroad tracks to the south and east, and commercial and former industrial properties to the west (see Figures 1 and 2). The Site was historically a portion of a larger petroleum refinery and bulk petroleum storage and distribution facility formerly known as Socony.

Environmental site investigations were conducted by TurnKey prior to acceptance into the BCP which confirmed contamination of the Site's soil and groundwater.

DST Properties NY, LLC entered into a Brownfield Cleanup Agreement (BCA) with the NYSDEC in 2010 to remediate and redevelop the site as a rotary union and timing valve manufacturer and commercial office space. The remedial activities began in March 2011 and were completed in July 2012 and were done under an approved IRM Work Plan and the approved RAWP. The remedial activities included:

IRM

- Removed, cleaning and recycling of historic piping, collection of solid and liquid pipe contents, and off-site treatment/disposal for pipe contents;
- Excavation and off-site disposal of soil/fill/debris piles;

RAWP

- Removal of shallow grossly contaminated soil/fill;
- Extraction and treatment of soil/gas using a SVE system consisting of nine extraction wells, treatment of the recovered gas with carbon, prior to discharge to the atmosphere. Carbon usage was suspended as agreed upon with the NYSDEC (refer to Section 1.3 for further detail);
- Implementation of a Soil/Fill Management Plan (SFMP) during Site redevelopment;
- Implementation of LNAPL recovery including absorbent socks and a Petrotrap™ free product skimmer in selected wells;
- Installation of a vapor barrier and an active sub-slab depressurization (ASD) system beneath the newly constructed manufacturing and commercial office space;
- Semi-annual groundwater monitoring; and
- Placement of a soil cover system.

Remedial activities were completed in July 2012. The FER and SMP for the Site were approved by the Department in November 2012. The COC was issued for the Site on December 11, 2012.

3.0 SITE MANAGEMENT PLAN

A SMP was prepared for the Site, and approved by the Department in November 27, 2012. The SMP includes an Operation, Monitoring and Maintenance (OM&M) Plan, a Soil/Fill Management Plan (SFMP), and a copy of the Environmental Easements. A brief description of the components of the SMP is presented below.

3.1 Operation, Monitoring and Maintenance Plan

The OM&M Plan consists of four major components, including the Active Sub-slab Depressurization System (ASD); LNAPL Recovery System; the SVE system; and the Annual Inspection & Certification Program.

3.1.1 Active Sub-slab Depressurization System

An ASD system was installed within the newly constructed manufacturing and commercial office space building. As required by the Department-approved SMP, the ASD system must: (1) be operated continuously to maintain a negative pressure (below ambient atmospheric) under the floor slab; (2) be visually inspected periodically to verify proper operation; and (3) annually inspected and certified that the system is performing properly and remains an effective engineering control (EC).

During the annual Site Inspection, the inspector verified that the ASD system was operating properly, as indicated by the readings on the vacuum gauges. A summary of the ASD periodic inspection readings are included on Table 1 and in Appendix C.

3.1.2 LNAPL Recovery System

Previous investigations indicated sporadic evidence of LNAPL (i.e., product and/or sheen) in wells MW-2, MW-4 and MW-6, likely attributable to seasonal fluctuations in groundwater elevations, which is managed utilizing hydrocarbon absorbent socks and passive skimmer. Absorbent socks are installed in MW-2 and MW-4. The adsorbent socks are installed in the well at the LNAPL/water interface. During monthly inspections, socks that have obvious staining/saturation of LNAPL are removed and replaced with new socks. Used socks are containerized, labeled, characterized and will be properly disposed off-Site.

A free product passive skimmer (Petrotrap™) was installed in well MW-6 to address an apparent localized LNAPL layer in the area of well MW-6. There has been no significant

product recovered with the Petrotrap™ and as such, it has been replaced with an absorbent sock.

The components of the LNAPL recovery system are inspected during monthly site inspections. LNAPL inspection notes are provided on Table 2 and in Appendix D.

3.1.3 SVE System

Installation of the SVE system was completed in March 2012, including the installation of nine (9) SVE wells, associated conveyance piping, and placement of the trailer-mounted SVE system. SVE system emissions were controlled using two (2) 1,000-lb vapor-phase granulated active carbon (GAC) vessels plumbed in series[1]. SVE system monitoring is conducted on a minimum frequency of monthly throughout the operation period. SVE system monitoring includes: monitoring of mechanical system components for proper operation, vacuum monitoring at each SVE well and at the main intake; and, VOC vapor PID screening at each SVE well and between the GAC vessels. Detailed procedures for monitoring, operating and maintaining the SVE System are provided in the SMP. A summary of monitoring is provided on Table 3 and in Appendix E.

3.1.4 Groundwater Monitoring

Groundwater monitoring is completed semi-annually for the six on-site monitoring wells. The wells were sampled in May and December 2013. Groundwater samples from each of the sampled wells were analyzed for target compound list (TCL) volatile organic compounds (VOCs), Commissioner Policy (CP51) VOCs, and Tentatively Identified Compounds (TICs) using USEPA Method 8260C.

TCL VOCs were not detected above NYSDEC Class GA groundwater quality standards (GWQS) as listed in NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1) in any of the groundwater samples except for a slight exceedance in well MW-4 from the December 6, 2013 sampling event for p/m-xylene (5.2 micrograms per liter, ug/l, as compared to the GWQS of 5.0 ug/l).

Concentrations of VOC TICs for the May and December sampling events are significantly lower than historical data. For example, total VOC TICs were reported at a concentration of 26,000

[1] The carbon canisters were removed as agreed to with the NYSDEC on August 1, 2012.

ug/l from sampling in June 29, 2009 at well MW-2. Total VOC TIC results of groundwater sampling from May and December 2013 from the same well were 192 and 74.8 ug/l, respectively. The results of the sampling and analysis are more fully discussed in Appendix F.

3.1.5 Annual Inspection and Certification Program

The Annual Inspection and Certification Program outlines the requirements for the Site, to certify and attest that the institutional controls and/or engineering controls employed at the Site are unchanged from the previous certification. The Annual Certification will primarily consist of an annual Site Inspection to complete the NYSDEC's IC/EC Certification Form. The Site inspection will verify that the IC/ECs:

- Are in place and effective.
- Are performing as designed.
- That nothing has occurred that would impair the ability of the controls to protect the public health and environment.
- That nothing has occurred that would constitute a violation or failure to comply with any operation and maintenance plan for such controls.
- Access is available to the Site to evaluate continued maintenance of such controls.

A Site inspection of the property was conducted by a Benchmark Scientist who meets the requirements of a Qualified Environmental Professional (QEP) on June 23, 2014. At the time of the inspection, the property was being used as for the manufacture of rotary seals and unions (Scott Rotary Seals) with surface parking and landscaped areas. No observable indication of intrusive activities was noted during the Site inspection other than vegetative disturbance along a thin strip of land nominally 20 square feet on the west side of the site[2]. Scott Rotary Seals utilizes the local municipal water supply, and no observable use of groundwater was noted during the Site inspection.

[2] The surficial vegetative disturbance was related to remediation of the neighboring property for the removal of underground piping at the Valley Tire Company. The area was restored by Scott Rotary Seals.

The completed Site Management Periodic Review Report Notice – Institutional and Engineering Controls Certification Form is included in Appendix A. A photolog of the Site inspection is included in Appendix B.

3.2 Soil/Fill Management Plan

A SFMP was included in the approved-SMP for the Site. The SFMP provides guidelines for the management of soil and fill material during any future intrusive actives.

No intrusive activities requiring management of on-Site soil or fill material; or the placement of backfill materials occurred during the monitoring period.

3.3 Engineering and Institutional Control Requirements and Compliance

As detailed in the Environmental Easements, several IC/ECs need to be maintained as a requirement of the BCAs for the Site.

3.3.1 Institutional Controls

- Groundwater-Use Restriction – the use of groundwater for potable and non-potable purposes is prohibited; and
- Land-Use Restriction: The controlled property may be used for commercial and/or industrial use; and
- Implementation of the SMP including the OM&M Plan and SFMP.

3.3.2 Engineering Controls

- Vapor Mitigation – ASD System has been operated continuously and properly maintained.
- SVE System – SVE system has been operated and monitored nearly continuously since installation (March 2012).
- LNAPL Recovery/Monitoring – LNAPL recovery and monitoring has been done monthly.
- Cover System – The cover system, including building foundations, concrete sidewalks, asphalt and gravel driveways and parking areas, and landscaped vegetated areas are all being maintained in compliance with the SMP.

At the time of the site inspection, the Site was fully compliant with all institutional control requirements and compliant with engineering controls as discussed above.

4.0 CONCLUSIONS AND RECOMMENDATIONS

- At the time of the Site inspection, the Site was in compliance with the SMP. Specifically, the Site is fully compliant with the Institutional Controls including land-use restrictions, groundwater-use restrictions, and the soil/fill management plan component; and fully compliant with the Engineering Controls (continuous operation of the ASD system, monthly LNAPL monitoring, and SVE system operations). The cover system is compliant with the Cover System Engineering Control; however, a small section of cover (nominally 20 sf) was disturbed by others completing remedial work on the western adjacent property. This area has recently been restored and reseeded.
- Long-term groundwater monitoring will be continued with the next semi-annual monitoring event to occur in the June 2014.

5.0 DECLARATION/LIMITATION

Benchmark Environmental Engineering and Science, PLLC, personnel conducted the annual site inspections for Brownfield Cleanup Program Site No. C905036, Olean, New York, according to generally accepted practices. This report complied with the scope of work provided to DST Properties NY, LLC by Benchmark Environmental Engineering and Science, PLLC and TurnKey Environmental Restoration, LLC.

This report has been prepared for the exclusive use of DST Properties NY, LLC. The contents of this report are limited to information available at the time of the site inspection. The findings herein may be relied upon only at the discretion of DST Properties NY, LLC. Use of or reliance upon this report or its findings by any other person or entity is prohibited without written permission of Benchmark Environmental Engineering and Science, PLLC and TurnKey Environmental Restoration, LLC.

TABLES

Table 1
Scott Rotary Seals Site (C905036)
ASD System Inspection Log

Date	Time	Inspector's Initials	ASD-1 (in.WC)	ASD-2 (in.WC)	ASD-3 (in.WC)	ASD-4 (in.WC)	ASD-5 (in.WC)	ASD-6 (in.WC)	ASD-7 (in.WC)
9/18/12	12:30	PWW	2.3	1.85	2.1	1.55	1.86	1.7	1.5
11/9/12	14:40	PWW	2.3	1.75	1.8	2.0	1.35	1.7	1.5
11/29/12	14:20	PWW	2.3	1.75	1.8	2.0	1.35	1.7	1.5
1/21/13	14:00	PWW	2.3	0.9	1.75	2.0	1.35	1.7	1.5
1/30/13	15:00	PWW	2.3	0.9	1.75	2.0	1.35	1.7	1.5
2/20/13	12:30	PWW	2.3	0.9	1.75	2.0	1.35	1.7	1.5
3/13/13	13:00	PWW	2.3	0.9	1.75	2.0	1.35	1.7	1.5
4/12/13	12:30	PWW	2.3	0.9	1.75	2.0	1.35	1.7	1.5
5/10/13	15:00	JAE	2.3	0.9	1.8	2.0	1.35	1.7	1.5
6/5/13	9:30	BMG	2.3	0.95	1.85	2.0	1.3	1.7	1.5
6/5/13	10:15	BMG	2.3	1.65	1.85	2.0	1.3	1.7	1.5
7/12/13	11:30	BMG	2.3	1.75	1.9	2.1	1.35	1.7	1.5
8/7/13	9:45	BMG	2.35	1.75	1.9	2.1	1.4	1.7	1.5
9/10/13	14:55	BMG	2.2	1.7	1.8	1.95	1.3	1.5	1.3
10/11/13	8:45	BMG	2.4	1.8	1.9	2.1	1.35	1.7	1.5
11/7/13	10:30	BMG	2.4	1.8	1.85	2.0	1.35	1.7	1.5
12/6/13	8:30	BMG	2.4	1.7	1.85	2.0	1.3	1.6	1.5
1/10/14	9:25	BMG	2.4	1.55	1.8	1.9	1.25	1.6	1.5
4/25/13	12:00	PWW	2.4	1.6	1.8	1.9	1.25	1.6	1.5
5/12/14	9:30	JCT	2.4	1.6	1.85	2.0	1.25	1.6	1.5
6/6/14	12:00	PWW	2.4	1.75	1.85	2.0	1.25	1.6	1.5

Notes:

Date	
9/18/12	All fans working.
3/1/13	Troubleshoot ASD 2 low pressure readings. Smoke test near cracks in slab, check outside for signs of subsidence or other rationale for pressure drop.
6/5/13	Fan at ASD2 was partially disconnected (boot was dislodged). Reattached boot.

Table 2
Scott Rotary Seals Site (C905036)

LNAPL System Inspection Log

Date	Time	Inspector's Initials	MW-2				MW-4				MW-6				
			Product Present? (Y / N)	Product Depth (fbTOR)	Water Level (fbTOR)	Change Absorbent Sock? (Y / N)	Product Present? (Y / N)	Product Depth (fbTOR)	Water Level (fbTOR)	Change Absorbent Sock? (Y / N)	Product Present? (Y / N)	Skimmer Operational? (Y / N)	Product Depth (fbTOR)	Water Level (fbTOR)	Change Absorbent Sock? (Y / N)
9/18/2012	12:00	PWW	N	NP	18.54	N	N	NP	15.99	N	N	Y	NP	19.71	NA
11/29/2012	13:30	PWW	N	NP	17.79	N	N	NP	15.22	N	Y	Y	19.22	19.23	NA
1/21/2013	13:15	PWW	N	NP	--	N	N	NP	--	N	Y	Y	18.00	18.01	NA
2/20/2013	13:15	PWW	N	NP	--	N	N	NP	--	N	Y	Y	18.21	18.22	NA
3/13/2013	13:15	PWW	N	NP	--	N	N	NP	--	N	Y	Y	18.03	18.04	NA
4/12/2013	12:50	PWW	N	NP	14.96	N	N	NP	12.37	N	Y	Y	17.87	17.88	NA
5/10/2013	15:00	JAE	N	NP	15.08	N	N	NP	12.49	N	N	Y	NP	17.91	NA
6/5/2013	11:00	BMG	N	NP	16.02	N	N	NP	13.41	N	N	Y	NP	18.74	NA
7/12/2013	12:00	BMG	N	NP	16.05	N	N	NP	13.42	N	N	NA	NP	18.60	N [1]
8/7/2013	9:00	BMG	N	NP	16.78	N	N	NP	14.25	N	N	NA	NP	18.81	N
9/10/2013	15:20	BMG	N	NP	18.22	N	N	NP	15.61	N	Y	NA	20.87	21.93	Y
9/23/2013	9:15	BMG	N	NP	--	N	N	NP	--	N	N	NA	NP	20.6	N
10/11/2013	9:00	BMG	N	NP	18.52	N	N	NP	15.91	N	Y	NA	20.7	20.8	N
10/18/2013	9:00	BMG	N	NP	--	N	N	NP	--	N	Y	NA	20.05	20.06	N
11/7/2013	10:50	BMG	N	NP	18.32	N	N	NP	15.72	N	N	NA	NP	20.78	N
12/6/2013	9:30	BMG	N	NA	17.45	N	N	NP	14.82	N	N	NA	NP	19.15	N
1/10/2014	10:15	BMG	N	NP	15.44	N	N	NP	12.87	N	N	NA	NP	18.11	N
4/25/2014	13:00	PWW	N	NP	14.51	N	N	NP	11.99	N	N	NA	NP	17.45	N
5/12/2014	11:00	JCT	N	NP	14.39	N	N	NP	11.84	N	N	NA	NP	17.31	N
6/6/2014	12:20	PWW	N	NP	14.27	N	N	NP	11.73	N	N	NA	NP	17.14	N

NP= Not present

Notes:

Date	
7/12/2013	1) Replace oil skimmer at MW-6 with absorbent sock.

Table 3
SVE System Inspection Log
Scott Rotary Seals Site
Olean, New York

Date	Elapsed Time	SVE Operation Time	Time	Influent (Untreated) PID Reading	Corrected Influent Concentration[1]	Air Flow Rate	Volume of Air Processed		Rate of VOC Removal		VOCs Removed Since Last Monitoring Period		Total VOC Removal to Date		Notes
	(days)	(days)		(ppm)	(mg/m^3)	(SCFM)	(CF/day)	(m^3/day)	(kg/day)	(lb/day)	(kg)	(lb)	(kg)	(lb)	
3/14/12	0	0	3:45 PM	93	439	349	502560	1.42E+04	6.2	13.8					
3/16/12	2	2	5:00 PM	230	1086	349	502560	1.42E+04	15.4	34.1	22.3	49.1	22.3	49	
3/30/12	16	16	8:45 AM	298	1407	349	502560	1.42E+04	20.0	44.1	242.2	534.0	264.4	583	
4/6/12	23	23	9:45 AM	286	1350	349	502560	1.42E+04	19.2	42.4	138.1	304.5	402.5	888	
4/13/12	30	30	8:00 AM	294	1388	349	502560	1.42E+04	19.7	43.5	134.9	297.5	537.5	1,185	
4/13/12	30	30	8:30 AM	73	345	349	502466	1.42E+04	4.9	10.8	0.3	0.6	537.7	1,186	Valved down the intake air from the system
4/17/12	34	34	1:06 PM		0										System shut-down for 22 days pending carbon testing and change-out.
5/9/12	56	34	11:50 AM	118	557	351	504778	1.43E+04	8.0	17.6	0.0	0.0	537.7	1,186	Restarted system
5/11/12	58	36	12:42 PM	222	1048	349	502551	1.42E+04	14.9	32.9	23.9	52.7	561.6	1,238	Adjusted system to close off addition of outdoor air
5/15/12	62	40	11:00 AM	248	1171	346	497523	1.41E+04	16.5	36.4	61.7	136.0	623.3	1,374	
5/21/12	68	46	9:00 AM	134	632	349	501872	1.42E+04	9.0	19.8	75.4	166.2	698.7	1,541	
5/22/12	69	47	9:00 AM	135	637	347	499767	1.42E+04	9.0	19.9	9.0	19.9	707.7	1,560	
5/30/12	77	55	4:00 PM	135	637	348	500437	1.42E+04	9.0	19.9	74.8	165.0	782.5	1,725	Blower down. Based on hour meter, blower went down at ~4:00 PM on May 30.
5/30/12	77	55	5:10 PM	166	784	345	497358	1.41E+04	11.0	24.3	0.0	0.0	782.5	1,725	
6/13/12	91	69	8:15 AM	166	784	345	497358	1.41E+04	11.0	24.3	150.4	331.6	932.9	2,057	
6/14/12	92	70	8:10 AM	185	873	348	500690	1.42E+04	12.4	27.3	11.7	25.7	944.6	2,083	
6/25/12	102	80	1:00 AM	185	873	348	500690	1.42E+04	12.4	27.3	132.5	292.1	1077.0	2,375	System Shut Down
6/25/12	103	80	4:00 PM	144	680	348	500690	1.42E+04	9.6	21.2	0.0	0.0	1077.0	2,375	System reactivated
7/31/12	139	116	2:23 PM	132	623	348	500690	1.42E+04	8.8	19.5	331.8	731.7	1408.9	3,107	
8/2/12	141	118	10:50 AM	141	666	352	506250	1.43E+04	9.5	21.0	17.0	37.5	1425.9	3,144	Carbon Removed, stack discharge
8/3/12	142	119	3:32 PM	141	546	348	500858	1.42E+04	7.7	17.1	10.3	22.6	1436.2	3,167	Power outage; system down; used previous measurments for calculations
8/6/12	145	119	9:53 AM	134	519	351	504796	1.43E+04	7.4	16.3	0.0	0.0	1436.2	3,167	System restarted
8/9/12	148	123	6:40 PM	134	519	352	507323	1.44E+04	7.4	16.4	25.0	55.2	1461.2	3,222	Power outage; system down; used previous measurments for calculations
8/10/12	149	123	2:10 PM	123	476	346	498682	1.41E+04	6.7	14.8	0.0	0.0	1461.2	3,222	
8/21/12	160	134	5:15 PM	139	538	348	501111	1.42E+04	7.6	16.8	79.9	176.1	1541.1	3,398	
8/21/12	160	134	6:40 PM	187	724	343	494073	1.40E+04	10.1	22.3	0.5	1.2	1541.6	3,399	Shut off extraction wells 2, 5, and 6
8/24/12	163	137	3:00 PM	199	770	346	497872	1.41E+04	10.9	23.9	29.9	65.9	1571.5	3,465	
8/25/12	164	138	3:26 PM	199	770	342	492661	1.40E+04	10.7	23.7	11.0	24.2	1582.4	3,489	System shut down
8/27/12	166	138	8:15 AM	180	697	342	492330	1.39E+04	9.7	21.4	0.0	0.0	1582.4	3,489	Reactivated
9/1/12	171	143	2:55 PM	180	697	344	495330	1.40E+04	9.8	21.5	51.4	113.4	1633.9	3,603	System Shut Down
9/4/12	174	143	8:20 AM	180	697	344	495162	1.40E+04	9.8	21.5	0.0	0.0	1633.9	3,603	Reactivated
9/7/12	176	146	2:00 PM	180	697	343	493656	1.40E+04	9.7	21.5	25.9	57.0	1659.7	3,660	
9/8/12	178	147	10:34 AM	505	1955	337	485537	1.37E+04	26.9	59.3	26.4	58.1	1686.1	3,718	Used data from 9/19/12 for mass removal calculations
9/10/12	180	149	8:25 AM	505	1955	332	477806	1.35E+04	26.5	58.3	50.8	111.9	1736.9	3,830	Used data from 9/19/12 for mass removal calculations
9/19/12	189	158	10:00 AM	505	1955	342	492661	1.40E+04	27.3	60.1	243.7	537.4	1980.6	4,367	
9/19/12	189	158	2:00 PM	400	1548	342	492661	1.40E+04	21.6	47.6	4.1	9.0	1984.7	4,376	Well 2 opened, 5 and 6 still off
9/25/12	194	164	4:25 PM	152	588	348	501026	1.42E+04	8.3	18.4	81.1	178.8	2065.8	4,555	System down; no time known
9/26/12	195	165	1:00 AM	400	1548	343	493823	1.40E+04	21.6	47.7	15.6	34.4	2081.4	4,589	Assumed extracted vapors returned to pre-shut down condition
10/12/12	212	181	12:00 PM	201	778	354	509630	1.44E+04	11.2	24.8	270.5	596.5	2351.9	5,186	
10/21/12	221	190	10:17 AM	201	778	354	509630	1.44E+04	11.2	24.8	100.2	221.0	2452.1	5,407	System shut-down due to high vac alarm; used data from 10/12/12 for mass calculations
11/14/12	245	190	3:30 PM	162	627	365	524977	1.49E+04	9.3	20.6	0.0	0.0	2452.1	5,407	System repair to well SVE-2 (cracked pipe); used PID reading from 11/29/12 as PID malfunctioned
11/29/12	260	205	10:00 AM	162	627	365	524977	1.49E+04	9.3	20.6	137.7	303.5	2589.8	5,710	SVE Wells 1, 7, 8 & 9 on; all other wells valved off
11/29/12	260	205	12:50 PM	333	1289	365	524977	1.49E+04	19.2	42.2	1.7	3.7	2591.5	5,714	
12/4/12	265	210	12:50 PM	358	1385	365	524977	1.49E+04	20.6	45.4	99.4	219.1	2690.8	5,933	
12/19/12	280	225	4:00 PM	115	445	365	524977	1.49E+04	6.6	14.6	206.2	454.6	2897.0	6,388	
12/21/12	282	227	3:00 PM	240	929	365	524977	1.49E+04	13.8	30.4	19.8	43.6	2916.8	6,432	
1/21/13	313	258	12:18 PM	51.2	198	365	524977	1.49E+04	2.9	6.5	258.7	570.5	3175.5	7,002	
1/30/13	322	267	2:30 PM	97.4	377	365	524977	1.49E+04	5.6	12.4	38.9	85.7	3214.4	7,088	
2/6/13	329	274	11:00 AM	91.2	353	365	524977	1.49E+04	5.2	11.6	37.2	82.0	3251.6	7,170	

Table 3
SVE System Inspection Log
Scott Rotary Seals Site
Olean, New York

Date	Elapsed Time	SVE Operation Time	Time	Influent (Untreated) PID Reading	Corrected Influent Concentration[1]	Air Flow Rate	Volume of Air Processed		Rate of VOC Removal		VOCs Removed Since Last Monitoring Period		Total VOC Removal to Date		Notes
	(days)	(days)		(ppm)	(mg/m^3)	(SCFM)	(CF/day)	(m^3/day)	(kg/day)	(lb/day)	(kg)	(lb)	(kg)	(lb)	
2/20/13	343	288	11:00 AM	37.5	145	365	524977	1.49E+04	2.2	4.8	51.8	114.3	3303.4	7,284	
2/27/13	350	295	12:00 PM	35	135	365	524977	1.49E+04	2.0	4.4	14.7	32.4	3318.1	7,316	
3/13/13	364	309	11:00 AM	32	124	365	524977	1.49E+04	1.8	4.1	26.9	59.3	3345.0	7,376	All wells valved open except SVE-2
3/29/13	380	325	2:00 PM	59	228	354	509630	1.44E+04	3.3	7.3	41.4	91.3	3386.4	7,467	
4/12/13	394	339	12:00 PM	50	194	365	524977	1.49E+04	2.9	6.3	42.9	94.7	3429.3	7,562	
4/25/13	407	352	8:40 AM	45	174	377	543571	1.54E+04	2.7	5.9	35.7	78.8	3465.1	7,640	
5/8/13	420	365	3:00 PM	45	174	380	547217	1.55E+04	2.7	6.0	35.7	78.7	3500.7	7,719	Blower motor failed; tried to restart on 5/10/13; unsuccessful. Used readings from 4/25/13 for mass calculations
5/10/13	422	367	10:00 AM		0								3500.7	7,719	
7/12/13	485	367	4:00 PM	121.1	469	320	460635	1.30E+04	6.1	13.5	0.0	0.0	3500.7	7,719	Ordered new blower and drive for blower. System restarted on 7/12/13. Wells 1, 3, 7, 8, 9, on.
7/17/13	490	372	10:30 AM	150.4	582	348	501787	1.42E+04	8.3	18.2	34.3	75.7	3535.0	7,795	
8/7/13	511	393	10:00 AM	162.2	628	348	501787	1.42E+04	8.9	19.7	180.3	397.6	3715.4	8,192	System down, assume system off from 8/7 to 9/10.
9/10/13	545	393	2:00 PM	162.2	628	348	501787	1.42E+04	8.9	19.7	0.0	0.0	3715.4	8,192	Restart system
9/23/13	558	405	8:45 AM	325.3	1259	343	493823	1.40E+04	17.6	38.8	169.5	373.7	3884.9	8,566	Condensate tank shut down system each month, drained condensate tank upon arrival and restarted system. Mass removal assumes 1 week of down time per month between September and January. PID readings were recorded after system restart.
9/23/13	558	405	9:50 AM	365	1413	320	460635	1.30E+04	18.4	40.6	0.8	1.8	3885.7	8,568	
10/11/13	576	417	1:00 PM	290	1122	320	460635	1.30E+04	14.6	32.3	184.0	405.8	4069.7	8,974	
10/18/13	583	424	11:00 AM	327	1265	254	365058	1.03E+04	13.1	28.8	95.9	211.4	4165.6	9,185	
11/7/13	603	437	12:00 PM	260	1006	246	354114	1.00E+04	10.1	22.2	151.1	333.2	4316.7	9,518	
12/6/13	632	459	11:00 AM	181	700	246	354114	1.00E+04	7.0	15.5	187.9	414.3	4504.6	9,933	
12/10/13	636	463	3:00 PM		0								4504.6	9,933	System shut down
1/10/14	667	464	10:30 AM	153	592	238	342828	9.71E+03	5.7	12.7	2.3	5.1	4506.9	9,938	System reactivated
1/24/14	681	477	8:30 AM	74.5	288	354	509630	1.44E+04	4.2	9.2	68.9	152.0	4575.8	10,090	
1/30/14	687	483	9:10 AM										4575.8	10,090	Frozen pipes, system down from 1/31/14 to 4/18/14
4/18/14	765	483	5:20 PM	43.9	170	230	331162	9.38E+03	1.6	3.5	0.0	0.0	4575.8	10,090	Restart system
4/25/14	772	490	2:20 PM	45.45	176	230	331162	9.38E+03	1.6	3.6	11.1	24.6	4587.0	10,114	No PID reading made, assumed average of readings before and after
5/12/14	789	507	11:05 AM	47	182	230	331162	9.38E+03	1.7	3.8	28.3	62.4	4615.3	10,177	Wells-4, 5, 8 and 9 open, Wells, 1, 2, 3, 6, & 7 closed
5/14/14	791	509	9:30 AM	43.2	167	230	331162	9.38E+03	1.6	3.5	3.2	7.0	4618.4	10,184	
5/19/14	796	514	10:00 AM	41.6	161	230	331162	9.38E+03	1.5	3.3	7.7	17.0	4626.2	10,201	

Notes:

1. The estimated mass of contamination recovered is based on ratio of the sum of the gasoline and diesel range organics (GRO and DRO) as measured by a vapor sample collected with a summa canister to the contemporaneous PID reading. Sample from 3/16/12 had a concentration of GRO and DRO of 890 mg/cubic meter which equates to a 3.87 ratio to the PID reading; Sample from 5/22/12 had a concentration of GRO and DRO of 750 mg/cubic meter which equates to a 5.56 ratio to the PID reading; used the average of the ratios of 4.72.

FIGURES

F:\CAD\TurnKey\Scott Rotary Seals\PRR\Figure 1; Site Location and Vicinity.dwg

FIGURE 1

N

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TURNKEY ENVIRONMENTAL RESTORATION, LLC

2558 HAMBURG TURNPIKE, SUITE 300, BUFFALO, NY 14218, (716) 856-0599

PROJECT NO.: 0189-014-001

DATE: JUNE 2014

DRAFTED BY: RFL

SITE LOCATION AND VICINITY MAP

PERIODIC REVIEW REPORT

SCOTT ROTARY SEALS SITE

OLEAN, NEW YORK

PREPARED FOR

DST PROPERTIES NY, LLC

F:\CAD\TurnKey\Scott Rotary Seals\PRR\Figure 2; Site Plan Pre-Remediation.dwg

Not to Scale

Property Boundary (Approximate)

Base Image per Bing Maps

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TURNKEY ENVIRONMENTAL RESTORATION, LLC

2558 HAMBURG TURNPIKE, SUITE 300, BUFFALO, NY 14218, (716) 856-0599

PROJECT NO.: 0189-014-011

DATE: JUNE 2014

DRAFTED BY: RFL

SITE PLAN PRE-REMEDIATION

PERIODIC REVIEW REPORT

SCOTT ROTARY SEALS SITE

OLEAN, NEW YORK

PREPARED FOR

DST PROPERTIES NY, LLC

FIGURE 2

F:\CAD\TurnKey\Scott Rotary Seals\PRR\Figure 3; Site Plan Post-Development.dwg

DATE: JUNE 2014
DRAFTED BY: RFL

FIGURE 3

SITE PLAN POST-REMEDIATION

PERIODIC REVIEW REPORT

SCOTT ROTARY SEALS SITE

OLEAN, NEW YORK

PREPARED FOR

DST PROPERTIES NY, LLC

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TURNKEY ENVIRONMENTAL RESTORATION, LLC

2558 HAMBURG TURNPIKE, SUITE 300, BUFFALO, NY 14218, (716) 856-0599

JOB NO.: 0189-014-001

APPENDIX A

INSTITUTIONAL & ENGINEERING CONTROLS CERTIFICATION FORM

Enclosure 2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. C905036

Site Name Scott Rotary Seals

Site Address: 301 Franklin Street Zip Code: 14760
City/Town: Olean
County: Cattaraugus
Site Acreage: 2.0

Reporting Period: December 11, 2012 to ~~December 04, 2013~~ May 31, 2014

	YES	NO
1. Is the information above correct?	☐	☑
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☑
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☑
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☑
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	☑

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	☑	☐
7. Are all ICs/ECs in place and functioning as designed?	☑	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

Box 2A

	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	☑

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

	YES	NO
9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	☑	☐

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C905036

Box 3

Description of Institutional Controls

Parcel	Owner	Institutional Control
94.040-1-29.02	DST Properties NY, LLC	Ground Water Use Restriction Landuse Restriction Monitoring Plan Site Management Plan O&M Plan Soil Management Plan IC/EC Plan

The Environmental Easement filed on 08/15/2012 requires compliance with the approved Site Management Plan (SMP) dated November 2012. Controls required under the SMP include:

- Property may only be used for commercial or industrial uses. Lower uses (residential/restricted residential), farming and vegetable gardens prohibited.
- Groundwater use restriction.
- soil and hardscape cover system covering the entire surface of the site (approximately 2 acres)
- Active subslab depressurization system to mitigate potential vapor intrusion into the existing on-site building. Future on-site buildings require vapor intrusion assessment or mitigation.
- Continued operation of a soil vapor extraction system to remediate soil contaminated with petroleum related VOCs and SVOCs from 6 feet below ground surface to the water table.
- Groundwater treatment to remove LNAPL.
- Semi-annual groundwater monitoring.
- Monthly system monitoring. Annual site inspection and certifications.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
94.040-1-29.02	Vapor Mitigation Cover System Groundwater Treatment System Air Sparging/Soil Vapor Extraction

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
☑	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
☑	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____

Signature of Owner, Remedial Party or Designated Representative — Date

IC CERTIFICATIONS
SITE NO. C905036

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Crystal Wiech (print name) at 301 Franklin St. Olean, NY. (print business address)

am certifying as Manager (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Crystal Wiech
Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

July 1, 2014
Date

IC/EC CERTIFICATIONS

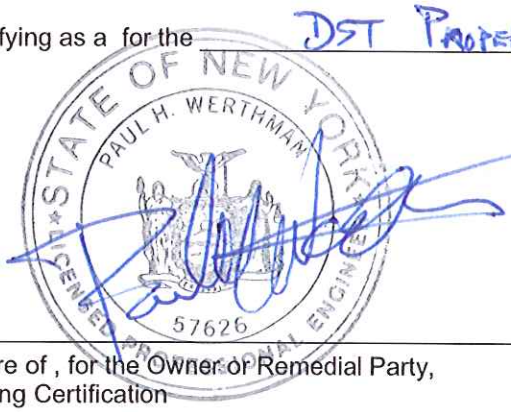
Box 7

Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I PAUL H. WERTHMAN at 2558 HAMBURG TURNPIKE, SUITE 300, BUFFALO, NY 14218
print name print business address

am certifying as a for the DST PROPERTIES NY, LLC
(Owner or Remedial Party)



Signature of , for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

7/24/14
Date

APPENDIX B

SITE PHOTOGRAPHIC LOG

SITE PHOTOGRAPHS

Photo 1:

Photo 2:

Photo 3:

Photo 4:

Photo 1: Manometer gauge (1.5 inches WC indicated – Fan 7)

Photo 2: Photohelic gauge (2.0 inches WC indicated – Fan 4)

Photo 3: Breaker to Fan 4 turned-off, Photohelic gauge alarm operates properly. All Photohelic gauges tested and operate properly.

Photo 4: Front (North) of Scott Rotary Seals Bldg. (looking southwest).

SITE PHOTOGRAPHS

Photo 5:

Photo 6:

Photo 7:

Photo 8:

Photo 5: East side of Site showing storm water retention and asphalt drive (looking southeast).

Photo 6: Rear side (South) of Building; SVE trailer to the left (looking southwest).

Photo 7: West side of Site (looking northwest).

Photo 8: West side of Site (looking northeast).

APPENDIX C

ASD PERIODIC INSPECTION LOGS

Scott Rotary Seals Site (C905036)
ASD System Inspection Log

Date	Time	Inspector's Initials	ASD-1 (in.WC)	ASD-2 (in.WC)	ASD-3 (in.WC)	ASD-4 (in.WC)	ASD-5 (in.WC)	ASD-6 (in.WC)	ASD-7 (in.WC)
			2.0	1.95	1.55	1.7	1.05		
11-9-12	14:40	PWW	2.3	1.75	1.80	2.0	1.35	1.7	1.5
11-29-12	14:20	PWW	2.3	1.75	1.80	2.0	1.35	1.7	1.5
1-21-13	14:00	PWW	2.3	1.9	1.75	2.0	1.35	1.7	1.5
1-30-13	15:00	PWW	2.3	1.9	1.75	2.0	1.35	1.7	1.5
5-20-13	4:30	PWW	2.3	1.9	1.75	2.0	1.35	1.7	1.5
5-13-13	13:00	PWW	2.3	1.9	1.75	2.0	1.35	1.7	1.5
4-12-11	12:30	PWW	2.3	1.9	1.75	2.0	1.35	1.7	1.5
95-10-13	3:00 15:00	JAE	2.3	1.9	1.8	2.0	1.35	1.7	1.5
6-5-13	0930	BMG	2.3	0.95	1.85	2.0	1.30	1.7	1.5
6-5-13	1015	BMG	2.3	1.65	1.85	2.0	1.30	1.7	1.5
7-12-13	1130	BMG	2.3	1.75	1.90	2.1	1.35	1.7	1.5
8-7-13	0945	BMG	2.35	1.75	1.90	2.1	1.40	1.7	1.5
9-10-13	1455	BMG	2.20	1.70	1.80	1.95	1.30	1.5	1.3
10-11-13	0845	BMG	2.40	1.80	1.90	2.1	1.35	1.7	1.5
11-7-13	1030	BMG	2.40	1.80	1.85	2.0	1.35	1.7	1.5
12-6-13	0930	BMG	2.4	1.70	1.85	2.0	1.30	1.6	1.5
1-10-14	0925	BMG	2.4	1.55	1.80	1.9	1.25	1.6	1.5
4-25-14	930	PWW	2.4	1.60	1.80	1.9	1.25	1.6	1.5

Notes:

Date	
6-5-13	ASD-2 had become disconnected in the attic. Reconnect fixtures and restored normal VAC.
10-11-13	SVE system off at time
12-6-13	~~ASD-5 was adjusted at 2+ reset to 1.5~~ Not for that it is for alarm light
12-6-13	Adjusted all boxes so alarm light will come on if drops 0.2" WC from historic min.
1-10-14	ASD alarm (new) set: 1=2.0, 2=1.95, 3=1.55, 4=1.7, 5=1.05 (ASD-6&7 are tubes no alarm)

Scott Rotary Seals Site (C905036)
ASD System Inspection Log

Date	Time	Inspector's Initials	ASD-1 (in.WC)	ASD-2 (in.WC)	ASD-3 (in.WC)	ASD-4 (in.WC)	ASD-5 (in.WC)	ASD-6 (in.WC)	ASD-7 (in.WC)
4-25-14	930	PWW	2.4	1.60	1.80	1.9	1.25	1.6	1.5
5-12-14	930	JCT	2.4	1.60	1.85	2.0	1.25	1.6	1.5
6-6-14	1200	PWW	2.4	1.75	1.85	2.0	1.25	1.6	1.5

APPENDIX D

LNAPL PERIODIC INSPECTION LOGS

Scott Rotary Seals Site (C905036)

LNAPL System Inspection Log

Date	Time	Inspector's Initials	MW-2				MW-4				MW-6			
			Product Present? (Y / N)	Product Depth (ftTOR)	Water Level (ftTOR)	Change Absorbent Sock? (Y / N)	Product Present? (Y / N)	Product Depth (ftTOR)	Water Level (ftTOR)	Change Absorbent Sock? (Y / N)	Product Present? (Y / N)	Skimmer Operational? (Y / N)	Product Depth (ftTOR)	Water Level (ftTOR)
1-21-13	13:15	PWW	N	—	—	N	N	—	—	N	Y	Y	18.00	18.01
2-20-13	13:15	PWW	N	—	—	N	N	—	—	N	Y	Y	18.21	18.22
3-13-13	13:15	PWW	N	—	—	N	N	—	—	N	Y	Y	18.03	18.04
4-12-13	12:00	PWW	N	—	14.96	N	N	—	12.37	N	Y	Y	17.87	17.88
5-10-13	15:00	JAE	N	—	15.08	N	N	—	12.47	N	N	Y	—	17.91
6-5-13	1100	BMG	N	—	16.02	N	N	—	13.41	N	N	Y	—	18.14
~~7-12-13~~	~~1200~~	~~BMG~~	~~N~~	~~—~~	~~16.05~~	~~N~~	~~N~~	~~—~~	~~13.42~~	~~—~~	BMG	Changed sock?		
7-12-13	1200	BMG	N	—	16.05	N	N	—	13.42	N	N	N	~~18.00~~	18.60
8-7-13	900	BMG	N	—	16.78	N	N	—	14.25	N	N	N	—	18.81
9-10-13	1520	BMG	N	—	18.22	N	N	—	15.61	N	Y	~~N~~	20.87	21.93
9-23-13	935	BMG	~~N~~	—	—	—	—	—	—	—	N	N	—	20.60
10-4-13	900	BMG	N	—	18.52	N	N	—	15.91	N	Y	N	20.70'	20.80'
10-18-13	0900	BMG	—	—	—	—	—	—	—	—	Y	N	20.05	20.06
11-7-13	1050	BMG	N	—	19.32	N	N	—	15.72	N	N	N	—	~~19.78~~ 20.78'
12-6-13	0930	BMG	N	—	17.45	N	N	—	14.82	N	N	N	—	19.15
1-10-14	1-10-14	1015	BMG	N	—	15.44	N	N	—	12.87	N	N	N	—	18.11

Notes:

Date	
6-5-13	Replace oil skimmer at MW-6 with absorbent sock (New skimmer operational = Change Absorbant sock Y or N)
9-10-13	MW-6 bailed about 2 gallons of oil + water only 0.05' of product recovered after bailing. Check MW-7 + MW-8 both had no product
9-23-13	Checked MW-7 + 8 both have no product.
10-11-13	MW-6 recovered about 0.10 gallon of product from ringing out sock. After lowering sock and ringing out again 0.01' of product remained in well. Checked MW-7 + 8 both have no product.
10-18-13	MW-6 recovered about 0.01 gallon of product from ringing out sock. MW-7 + 8 have no product.

ASD INSPECT

Scott Rotary Seals Site (C905036)

LNAPL System Inspection Log

Date	Time	Inspector's Initials	MW-2				MW-4				MW-6			
			Product Present? (Y / N)	Product Depth (ftTOR)	Water Level (ftTOR)	Change Absorbent Sock? (Y / N)	Product Present? (Y / N)	Product Depth (ftTOR)	Water Level (ftTOR)	Change Absorbent Sock? (Y / N)	Product Present? (Y / N)	Skimmer Operational? (Y / N)	Product Depth (ftTOR)	Water Level (ftTOR)
4-25-19	1300	PWW	N	–	14.51	N	N	–	11.99	N	N	N	–	17.45
5-1-19	1100	JCT	N	–	14.39	N	N	–	11.84	N	N	N	–	17.31
6-5-19	1230	PWW	N	–	14.27	N	N	–	11.73	N	N	N	–	17.14

APPENDIX E

SVE PERIODIC INSPECTION LOGS

DST Properties NY, LLC

SVE SYSTEM LOG

SHEET 1 OF 2

DATE	TIME	SYSTEM Running on Arrival? (Y or N)	SYSTEM TIME (hrs)	SYSTEM AMP METER (Amps)	OPERATOR INITIALS	INTAKE VACUUM AT CONDENSATE KNOCKOUT (in. WC)	AIR FLOW GAUGE (in.WC)	SCFM (use flow lookup table)	PRESSURE GAUGE (exhaust) (in. WC)	INFLUENT PID READING. (PPM)	EFFLUENT PID READING GAC VESSEL # 1 (PPM)	EFFLUENT PID READING GAC VESSEL # 2 (PPM)	Greased Blower? (Y or N)	Condensate Water Present (Y/N)
3-14-12	1545	Y			PWW	50	3.2	348.99	7.5	92.6	.8	.4	Y	N
3-16-12	1700	Y			BG	45	3.2	348.99	7.5	230	—	0	N	N
3-30-12	845	Y			PWW	45	3.2	348.99	7.5	298.3	196	8.5	N	N
4-6-12	945	Y	22992		PWW	45	3.2	348.99	7.5	285.7	200	48.5	N	N
4-13-12	0800	Y	23159		BMG	45	3.2	348.99	7.6	294	232	185	Y	N
5-9-12	1150	N	23486	13.3	PWW	45	3.2	349	8	118	0.1	0.1	N	N
5/11/12	1247	Y		13.9	TAB	45	3.2	348.99	8-9	221.6	0.0	0.0	N	N
5/15/12	1100	Y		13.9	TAB	45	3.2	348.99	9	247.5	0.0	0.0	N	N
5/21/12	900	Y	24071	14.2	PWW	45	3.2	348.99	9	134	78	.3	Y	N
5/24/12	900	Y	24074	13.9	PWW	45	3.2	348.99	9	135	83	.3	N	N
5/30/12	1615	N	24293	14.5	BMG	45	3.2	349	8.5	115	50.5	27.6	Y	N
* 5-30-12	1710			14.1	BMG	45	3.2	349	9	1660	89	50	N	N
6-13-12	0815	Y	24621	14.6	BMG	50-55	3-3.5 (3.2)	338-364	8.5	—	—	—	Y	N
6-14-12	0810	Y	24645	14.5	BMG	48-53	2.6-3.2 (3.2)	315-380	8.5	185	150	122	N	N
6-25-12	1600	N	24917	14.2	BMG	45	3.2	349	9	144	92	101	Y	N
7-31-12	1423	Y	25776	14.3	BMG	45	3.1	343	9	132	143	167	Y	N

NOTES:

System startup on 3-14-12

3-16-12 PID 229 ppm before Baseline Air sample, 233 ppm after sample

3-30-12 1st sytem time @ 9:20 is 22823

4-19-12 system down (system t.m=23304 hrs) Call from system on 4-17-12 @1306 system shut down, Restart system 4-19-12 @0945. to test system effluent without carbon. Shut system down at 1225

5-9-12 System Restarted Influent PID = 206 ppm @ 1545 adjust system PID=118 @ 40 vac, Motor amp=13.3

5-22-12 PID 134 before ~~Ambient~~ Air Sample, 134 after sample

5-30-12 System down (code=OL) OL=16.6 Amps, Restart system @ 1630. Made No adjustments to system

6-13-12 System shutdown may be due to water in wells surging effect. (Rain past few days)

6-14-12 Reprogram SCADA (lost communication with unit), Switch lead and lag Carbon per Ray PID readings 30 min after switch = 178 in, #1 = 201 ppm, #2 = 248 ppm

6-25-12 System turned off (suspect power outage) on 6-25-12 @ 0100. PID reading at 1700 + static readings at start up PIDs = Inlet = 86, #1 = 68, #2 = 92. Took photos of erosion at ponds along road. Checked oil in blower → OK

6-25-12

7-30-12/930AM Restart system

DST Properties NY, LLC

SVE SYSTEM LOG

SHEET 1 OF 2

DATE	TIME	SYSTEM Running on Arrival? (Y or N)	SYSTEM TIME (hrs)	SYSTEM AMP METER (Amps)	OPERATOR INITIALS	INTAKE VACUUM AT CONDENSATE KNOCKOUT (in. WC)	AIR FLOW GAUGE (in. WC)	SCFM (site flow lookup table)	PRESSURE GAUGE (exhaust) (in. WC)	INFLUENT PID READING - PPM	EFFLUENT PID READING GAC VESSEL # 1 - PPM	EFFLUENT PID READING GAC VESSEL # 2 - PPM	Ground Water? (Y or N)	Condensate Water Present (Y/N)	
8-2-12	1050	Y	25821	13.9	BMG	46	3.2	349	7	141	NA	NA	N	N	
8-6-12	0953	N	25916	14.3	BMG	40	3.3	353	7	134	NA	NA	N	N	
8-10-12	14:10	N	26015		BMG	47	3.2	349	7	123	NA	NA	N	N	
8-14-12	17:15	Y			BMG	48	3.2	349	6.5	139	NA	NA	Y	N	7500 PPM
8-21-12	1840	Y	26084	15.0	BMG	53	3.1	342	6	187	NA	NA	N	N	
8-24-12	15:00	Y	26352	14.9	BMG	53	3.1	342	6.5	199	NA	NA	N	N	
9-7-12	14:00	Y	26687	15.1	BMG	53	3.1	342	6	180	NA	NA	N	N	
9-18-12	10:30	Y	26947	15.1	PLW	53	3.1	342	6	505.2	NA	NA	N	N	
9-18-12	14:00	Y	26947	15.1	PLW	56	3.1	342	6	400	NA	NA	N	N	
9-25-12	1625	N	27119	14.8	BMG	53	3.2	349	6.5	152	NA	NA	Y	N	

NOTES:

8-2-12 → Plumb new stack for effluent s/c and removed carbon from system.

8-6-12 → System down on 8-3 @ 1532, Adjust system vac, too TID reading @ 1730, re adjust vac to 45

8-10-12 - System down on 8-9-12 @ 1840. (Power out)

8-21-12 - Turn on SVE 2, 5, 16.

8-24-12 - Walked around SVE trailer (15') max PID = 0.2ppm only very slight odor observed

8-27-12 - System off 8-25-12 @ 1526 for OH3 - over heat (high ambient temp). Restart @ 0815

9-4-12 - System off 9-1-12 @ 1455 for OH3 Restart 9-4-12 @ 820.

9-7-12 - Slight odor from effluent down wind.

9-10-12 - System off 9-8-12 @ 10:34 due to Power out, Restart 9-10-12 @ 815

9-18-12 - Walked around System, No PID down wind (raining) MW-5, MW-6, MW-2 closed

9-18-12 - well MW-5, MW-6 closed, 316 of effluent stack

9-25-12 - System down due to OH, open valve to reduce back pressure/vac (56-55)

DST Properties NY, LLC

SVE SYSTEM LOG

SHEET 1 OF 2

DATE	TIME	SYSTEM Running on Arrival? (Y or N)	SYSTEM TIME (hrs)	SYSTEM AMP METER (Amps)	OPERATOR INITIALS	INTAKE VACUUM AT CONDENSATE KNOCKOUT (in. WC)	AIR FLOW GAUGE (in.WC)	SCFM (use flow lookup table)	PRESSURE GAUGE (exhaust) (in. WC)	INFLUENT PID READING. (PPM)	EFFLUENT PID READING GAC VESSEL # 1 (PPM)	EFFLUENT PID READING GAC VESSEL # 2 (PPM)	Greased Blower? (Y or N)	Condensate Water Present (Y/N)
11-29-12	12:50	Y	28674		PWW	50	3.5	365	7	333	NA	NA	Y	Y
12-4-12	1250	Y	28794		PWW	50	3.5	365	7	358	NA	NA	Y	Y
12/7/12	1600	N			TAB	50	3-4		6.5	196	NA	NA	N	N
12/19/12	1630	N			TAB	50	3-4		6.5	114.6	NA	NA	N	N
12/21/12	1500	N			TAB	55	2.5-3.5		6.5	240	NA	NA	N	N
1-21-13	2	"			PWW	50	3.5	365	6.5	51.2	NA	NA	Y	Y
1-30-13	1430	Y	30163		PWW	50	3.5	365	6.5	97.4	NA	NA	Y	Y
2-6-13	1100	Y	30328		PWW	50	3.5	365	6.5	91.7	NA	NA	Y	Y
2-20-13	1100	N	30464		PWW	50	3.5	365	6.5	37.5	NA	NA	Y	Y
2-27-13	1240	N	30833		PWW	50	3.5	365	6.5	35.0	NA	NA	Y	Y
3-13-13	1110	N	31167		PWW	50	3.5	365	6.5	32.0	NA	NA	Y	Y
3-29-13	1400	N	31554		BMB	43-50	2.5-4.5(3.5)	365	7.0	59.0	NA	NA	Y	Y
4-12-13	1030	Y	31886		PWW	50	3.5	365	7.0	50.0	NA	NA	Y	Y
4-25-13	870	Y	32197	14.8	BMB	45	3-4.5	365	7.0	67.0	NA	NA	Y	Y
5-10-13	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7-12-13	1600		-	17.4	BMB	50	2.7	320	6.0	121.1	NA	NA	Y	N

NOTES:

11-29-12 operating with wells 2-6 closed, leaving 1, 9, 8, 7 as open vacuum
12-4-12 repaired SVE-8 system up + running
12/7/12 Drained KNock out TANK And Drum 55 gal
12/19/12 " 55 gal
12/21/12 "
1-21-13 Drained condensate drum + knock out ~ 70 gal
operating with Wells 2-6 closed, leaving 1, 9, 8, 7 open
2-6-13 Drained condensate drum + knock out ~ 70 gal
2-20-13 " " " " "
2-27-13 SVE-2 closed due to >80" of water, fresh Air bleed is closed, intake vac. valve ~ 50% open
Drained condensate drum + knock out ~ 70 gal
3-13-13 Same as 2-27-13
3-29-13 Drum + knock out full, water clean look, drained per RL instructions, PID: 43 at start, system must be below 116 A, Valve open air closed
4-12-13 same as Above
4-25-13 after adjusting values open SVE-1, 8+9 vac= 45-55, Airflow= 3-4, Pressure 7, drained 35 gals of water at end. PID=86 ppm
5-10-13 system down - blower + motor issues
7-12-13 Start system, adjust low Air to about 32.50 on vac gauge, 54.29 Hz on drive

4-25-13	Adjust system only run (open) of SVE 1, 8, +9 (7 had too much water), Fresh air valve 100% open system Amp= 15.4
7-12-13	System back on running off SVE 1, 3, 7, 8, +9, when I opended SVE 7 water was coming from H. pipe

SCOTT ROTARY SEALS SITE (C905036)
SVE SYSTEM LOG
SHEET 1 OF 2

d01 d02

Date	Time	Inspector's Initials	System Running on Arrival? (Y or N)	~~Total System Time~~ (hrs) H2	Amp Meter (Amps)	Intake Vacuum at Knockout (in. WC)	Air Flow Gauge (in.WC)	SCFM (use flow lookup table)	Pressure Gauge (exhaust) (in. WC)	Influent PID Reading (PPM)	Effluent PID Reading (PPM)	Greased Blower? (Y or N)	Condensate Water Present (Y or N)
7-17-13	1030	BMG	N	~~56.86~~	14.4	50	3.2	349	6.5	150.4	—	N	N
8-7-13	1000	BMG	Y	56.92	14.8	50	3.2	349	6.0	162.2	—	Y	N
9-10-13	1400	BMG	N	56.91	15.0	54	3.1	345	6.0	226.5	—	Y	N
9-23-13	0845	BMG	Y	56.89	15.5	54	3.1	345	6.0	325.3	—	Y	N
9-23-13	0950	BMG	—	52.15	14.0	51	2.7	320	5.0	365.0	—	Y	N
10-11-13	1360	BMG	N	52.81	14.6	51	2.7	320	5.0	290.1+	—	N	N
10-18-13	~~0800~~	BMG	N	52.06	14.5	52	2.7	320	5.0	327.5+	—	Y	Y
10-18-13	1130	BMG	—	42.57	11.5	43	1.7	257	3.5	327.3+	—	Y	Y
11-7-13	1200	BMG	N	39.76	10.8	41	1.6	247	3.3	260+	—	—	—
12-6-13	1700	BMG	N	39.76	11.7	55	1.5	238	3.3	181	—	Y	Y
1-10-14	1030	BMG	N	39.76	11.7	45	1.5	238	3.3	153	—	Y	Y
1-16-14	1130	BMG	N	39.76	12.2	55	1.5	238	3.3	82	—	Y	Y
1-16-14	1300	BMG	—	39.76	10.4	40	1.5	238	3.3	54	—	—	—
1-24-14	0830	BMG	Y	39.75	11.5	42	1.5	238	3.3	74.5	—	Y	Y

NOTES: ~~*~~ Function → shows d02 → hit arrow ↓ → displays d01 → hit function → displays H2

7-17-13 - system down due to power outage, Restart system make adjustments to drive, left site @ 10:30

8-7-13 - system good, SVE-1,3,7,8+9 all open, No fluctuations in air flow, WL at mw-2 = 16.78, mw-4 = 14.25, mw-6 = 18.81

9-10-13 - system down (EOG-undervoltage) water table is low system ran for 40+ min before taking PID reading

9-23-13 - about 20 gallons in knock out, system is surging Air flow between 24+45 in H2O. PID=375 after removing water from knock out

9-23-13 - Adjust system due to high water in ground. Turned system down so it will keep running.

10-11-13 - System down due to contractors turning off or condensate full. Drained about 50 gallons of condensate, Fresh air bleed is 100% closed and Intake valve 100% open. Water is surging in pipes. Contractors may have hit underground piping.

10-18-13 - System down due to condensate. Drained about 50 gallons of condensate. Restart system

11-7-13 - System down due to condensate, Drained about 50 gallons of condensate. Restart system Reduced vac to help keep condensate reduced. Reprogramed ~~SCADA~~ Smartphone.

12-6-13 - System down due to condensate, Drained about 50 gallons of condensate and restart system Adjust HVE-7 hope to get less condensate

12-6-13 System down on NOV 10, 2013 Restarted on 12-6-13

1-10-14 System likely down on Dec 10 2013, Restarted 1-10-14, Drained about 50 gallons of condensate

1-16-14 System down (1-14-14), Drained about 50 gallons of condensate Adjust system close SVE-1+7 to about ½ open at 1230 opened dilution air valve to adjust Vac to 40 (in WC). Hope to reduce condensate and run longer

1-24-14 System Running on arrival No condensate visible in Knockout or drum. phone not working temp too low. put light in box to keep warm.

SCOTT ROTARY SEALS SITE (C905036)
SVE SYSTEM LOG
SHEET 1 OF 2

Date	Time	Inspector's Initials	System Running on Arrival? (Y or N)	Hertz (hrz) DS1 on drive	Amp Meter (Amps) DS2 on drive	Intake Vacuum at Knockout (in. WC)	Air Flow Gauge (in.WC)	SCFM (use flow lookup table)	Pressure Gauge (exhaust) (in. WC)	Influent PID Reading (PPM)	Effluent PID Reading (PPM)	Ground Blower? (Y or N)	Condensate Water Present (Y or N)
1-30-14	0910	BME	N										
4-18-14	1720	BME	N	42	13.6	60	1.4	230	7	43.9	—	Y	N
4-23-14		BME	N	42	13.1	60	1.4	230	7	—	—	N	Y
4-25-14	1420	PLW	Y	42	12.8	60	1.4	230	5	—	—	N	Y
5-12-14	1105	PLW	Y	42	12.9	60	1.4	230	5	47.0			
5-14-14	930	PLW	N	42	14.3	60	1.4	230	5	43.2	—	Y	N
5-19-14	1000	PLW	Y	42	14.4	60	1.4	230	5	41.6	—	Y	N
6-6-14	1200	PLW	Y	42	14.4	60	1.4	230	4	47.2	—	Y	N

NOTES: 1-30-14: System down due to Hyundai drive Error E05 (overload protection) 46.8 Amp at time of shutdown, DC link = 298 Vdc. Restart system Amps = 41 Intake vacuum = 100" H2O. Above grade piping frozen, unable to keep system running, pipe freezing solid.

4-18-14 - Restart system make few adjustments to Hertz, may need to adjust valves at wells. No water in system. Can hear water coming into pipe will shut down due to condensate. System gauges are surging from water. Moved drum in trailer for now.

4-23-14 System down, purge 50 gallons of condensate

4-30-14 System down, purge 50 gallons of condensate. Restart

5-2-14 System down, Purge 50 gallons of condensate. Restart

5-5-14 System down, Purge 50 gallons of condensate, Restart system, 5-8-14 - system down, Purge 50 gallons, Restart

5-12-14 System down, Purge 50 gallons, Restart system 0830.

5-12-14 adjusted valves MW-4 + MW-5 → 1/2 open, MW-8 and MW-9 Fully open, MW-1, 2, 3, 6, 7 closed Fresh Air bleed 7/8 closed

5-28-14 System down Purge 35 gallons. Restart system Fresh air closed 100%

6-6-14 On + ok → No adjustments

APPENDIX F

GROUNDWATER MONITORING REPORT

(PROVIDED ELECTRONICALLY)

Groundwater Monitoring Scott Rotary Seals Site
2013

Two groundwater monitoring events (May 10, 2013 and December 6, 2013) were completed at the Scott Rotary Seals Site that included sampling and analysis of groundwater collected from wells MW-1, MW-2, MW-3, MW-4, MW-5 and MW-6. Groundwater samples from each of the sampled wells were analyzed for target compound list (TCL) volatile organic compounds (VOCs), Commissioner Policy (CP51) VOCs, and Tentatively Identified Compounds (TICs) using USEPA Method 8260C. Field parameters including pH, oxidation-reduction potential (ORP), dissolved oxygen (DO), temperature, turbidity, and specific conductance were also measured in each of the sampled monitoring wells. Table 1 summarizes the analytical and field results from the May 10 and December 6, 2013 groundwater monitoring events as well as historic groundwater monitoring events completed by TurnKey, laboratory analytical packages for the May and December 2013 groundwater monitoring events are in attachment 1.

As shown on Table 1, TCL VOCs were not detected above NYSDEC Class GA groundwater quality standards (GWQS) as listed in NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1) in any of the groundwater samples except for a slight exceedance in well MW-4 from the December 6, 2013 sampling event for p/m-xylene (5.2 micrograms per liter, ug/l, as compared to the GWQS of 5.0 ug/l). However, p/m-xylene was also detected in the trip blank which suggests the possibility of laboratory or field-induced sample contamination.

Concentrations of VOC TICs for the May and December sampling events are significantly lower than previous results. For example, total VOC TICs were reported at a concentration of 26,000 ug/l from sampling in June 29, 2009 at well MW-2. Total VOC TIC results of groundwater sampling from May and December 2013 from the same well were 192 and 74.8 ug/l, respectively. There are no GWQS for VOC TICs.

Groundwater elevations from monitoring wells MW-1, MW-2, MW-3, MW-4, MW-5 and MW-6 were recorded. Table 2 shows the groundwater elevations and Figure 1 includes estimated groundwater flow direction for the December 2013 sampling event. The groundwater flow is generally consistent with historic groundwater gauging data.

TABLES

TABLE 1

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

SCOTT ROTARY SEALS SITE

OLEAN, NEW YORK

Parameter [1]	GWQS[2]	Sample Locations															
		MW-1					MW-2					MW-3					
		6/29/09	8/19/10	10/28/10	5/10/13	12/6/13	6/29/09	8/19/10	10/28/10	5/10/13	12/6/13	6/29/09	8/19/10	10/28/10	5/10/13	12/6/13	12/6/13 [5]
Volatile Organic Compounds (VOCs) - ug/L																	
Acetone	**50**	ND	ND J	ND	14	ND	**200 DJ**	ND J	ND	16	ND	ND	ND J	ND	3.9 J	ND	ND
2-Butanone (MEK)	**50**	ND	ND J	ND	9.1	ND	ND	ND J	ND	35	ND	ND	ND J	ND	ND	ND	ND
Carbon disulfide	**60**	27 D	ND J	ND	ND	ND	29 D	ND J	ND	ND	ND	ND	ND J	ND	ND	ND	ND
Chloroethane	**5**	ND	ND J	ND	ND	ND	ND	ND	ND	2.7 J	ND	ND	ND J	ND	ND	ND	ND
Chloromethane (Methyl chloride)	**5**	ND	ND J	ND	ND	ND	ND	ND	ND	1.6 J	ND	ND	ND J	ND	ND	ND	ND
Cyclohexane	**--**	ND	ND J	ND	ND	ND	ND	ND J	3 D	ND	ND	ND	ND J	ND	ND	ND	ND
1,2-Dichlorobenzene	**3**	ND	ND J	ND	ND	ND	ND	ND J	ND	ND	ND	ND	ND J	ND	ND	ND	ND
Ethylbenzene	**5**	ND	ND J	ND	ND	0.76	ND	ND	ND	ND	ND	ND	ND J	ND	ND	ND	ND
Methylcyclohexane	**--**	ND	ND J	ND	0.74 J	0.53 J	5,200	260 J	200 D	13 J	ND	44 D	ND J	ND	ND	0.3 J	ND
p/m-Xylene [4]	**5**	ND	ND J	ND	ND	2 JB	ND	ND	ND	ND	4.2 JB	ND	ND J	ND	ND	1.4 JB	1 JB
p-Cymene (p-isopropyltoluene)	**5**	ND	ND J	ND	ND	1.5 J	ND	ND J	ND	ND	ND	ND	ND J	ND	ND	1.6 J	1.6 J
1,2,4-Trimethylbenzene	**5**	ND	ND J	ND	ND	0.74 J	ND	ND J	ND	ND	1.8 J	ND	ND J	ND	ND	ND	ND
sec-Butylbenzene	**5**	ND	ND J	ND	ND	ND	**43 D**	ND J	ND	1.4 J	ND	ND	ND J	ND	ND	ND	ND
tert-Butylbenzene	**5**	ND	1.7 J	1.4	0.81 J	1.5 J	ND	ND J	ND	1.6 J	ND	ND	ND J	ND	ND	1.6 J	1.6 J
Tentatively Identified Compounds (TICs)[3]	**--**	410 J	110 J	71.2 J	245.2 J	21.4 J	26000 J	800 J	461 J	192 J	74.8 J	1122 J	ND J	ND	198.8 J	31.9 J	50.6 J

TABLE 1

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

SCOTT ROTARY SEALS SITE

OLEAN, NEW YORK

Parameter [1]	GWQS[2]	Sample Locations											
		MW-4			MW-5				MW-6			MW-7	MW-8
		10/28/10	5/10/13	12/6/13	10/28/10	5/10/13	5/10/13 [5]	12/6/13	10/28/10	5/10/13	12/6/13	1/17/11	1/17/11
Volatile Organic Compounds (VOCs) - ug/L													
Acetone	**50**	ND	11	ND	3.2	17	12	ND	ND	5.7	3.1 J	6.3	ND
2-Butanone (MEK)	**50**	ND	32	ND	ND	8.1	9.6	ND	ND	11	ND	1.7	ND
Carbon disulfide	**60**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	**--**	3.9 DJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	**3**	ND	ND	ND	ND	ND	ND	ND	1.1	0.8 J	ND	1.1	0.98
Ethylbenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	**--**	390 D	3.7 J	2.8 J	ND	1.6 J	1.8 J	1.6 J	7 D	1.3 J	0.92 J	71 D	6.2
p/m-Xylene [4]	**5**	ND	ND	**5.2 JB**	ND	ND	ND	1.2 JB	ND	ND	1.2 JB	ND	ND
p-Cymene (p-isopropyltoluene)	**5**	ND	ND	ND	ND	ND	ND	0.88 J	ND	ND	1.4 J	ND	ND
1,2,4-Trimethylbenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	0.79 J	0.74 J	ND	ND
sec-Butylbenzene	**5**	3.2 DJ	0.87 J	ND	ND	ND	ND	ND	2.2 D	1.1 J	0.79 J	ND	ND
tert-Butylbenzene	**5**	ND	ND	ND	4.3	ND	ND	0.88 J	2.2	1.5 J	1.4 J	2.2	1.9
Tentatively Identified Compounds (TICs)[3]	**--**	645 J	278 J	43.2 J	314 J	37.9 J	47.6 J	8.8 J	192.3 J	201 J	51.2 J	226 J	346 J

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Values per NYSDEC Part 703 Groundwater Quality Standards (GWQS).
3. Excludes TICs identified in the laboratory blank.
4. m/p-xylene detected in trip blank for December 6, 2013 sampling event.
5. Blind Dupllicate

Definitions:

ND = Parameter not detected above laboratory detection limit.
"--" = No Groundwater Standard
J = Estimated value; result is less than the sample quantitation limit but greater than zero.
B = Parameter detected in blank.
D= All compounds were identified in an analyisis at the secondary dilution factor.
BOLD = Sample result exceeds NYSDEC Groundwater Quality Standards.

TABLE 2

SUMMARY OF GROUNDWATER ELEVATIONS

SCOTT ROTARY SEALS SITE

OLEAN, NEW YORK

Location	Date	Grade	TOR Elevation [1] (fmsl)	DTP (if present) (fbTOR)	DTW (fbTOR)	Product Thickness (feet)	Groundwater Elevation (fmsl)	Corrected Groundwater Elevation [2] (fmsl)
MW-1	6/29/2009	1431.89	1435.04	--	27.58	--	1407.46	1407.46
	8/19/2010	1431.89	1435.04	--	28.40	--	1406.64	1406.64
	10/26/2010	1431.89	1435.04	--	29.01	--	1406.03	1406.03
	3/10/2011	1431.89	1435.04	--	23.71	--	1411.33	1411.33
	5/10/2013	1431.89	1432.60	--	23.57		1409.03	1409.03
	12/6/2013	1431.89	1432.60	--	25.52		1407.08	1407.08
MW-2	6/29/2009	1425.84	1428.19	--	18.61	--	1409.58	1409.58
	8/19/2010	1425.84	1428.19	--	19.51	--	1408.68	1408.68
	10/26/2010	1425.84	1428.19	20.34	20.35	0.01	1407.84	1407.85
	3/10/2011	1425.84	1428.19	--	15.28	--	1412.91	1412.91
	5/10/2013	1425.84	1426.66	--	15.08	--	1411.58	1411.58
	12/6/2013	1425.84	1426.66	--	17.37	--	1409.29	1409.29
MW-3	6/29/2009	1426.24	1428.26	--	18.79	--	1409.47	1409.47
	8/19/2010	1426.24	1428.26	--	19.52	--	1408.74	1408.74
	10/26/2010	1426.24	1428.26	--	20.38	--	1407.88	1407.88
	3/10/2011	1426.24	1428.26	--	15.31	--	1412.95	1412.95
	5/10/2013	1426.24	1426.29	--	14.71	--	1411.58	1411.58
	12/6/2013	1426.24	1426.29	--	17.00	--	1409.29	1409.29
MW-4	10/26/2010	1425.85	1427.61	19.71	19.72	0.01	1407.89	1407.90
	3/10/2011	1425.85	1427.61	--	14.69	--	1412.92	1412.92
	5/10/2013	1425.85	1423.96	--	12.47	--	1411.49	1411.49
	12/6/2013	1425.85	1423.96	--	14.79	--	1409.17	1409.17
MW-5	10/26/2010	1430.78	1433.26	--	27.17	--	1406.09	1406.09
	3/10/2011	1430.78	1433.26	--	21.91	--	1411.35	1411.35
	5/10/2013	1430.78	1429.46	--	20.23	--	1409.23	1409.23
	12/6/2013	1430.78	1429.46	--	22.17	--	1407.29	1407.29
MW-6	10/26/2010	1430.78	1434.02	27.80	28.68	0.88	1405.34	1406.04
	3/10/2011	1430.78	1434.02	--	22.42	--	1411.60	1411.60
	5/10/2013	1430.78	1429.92	--	17.91	--	1412.01	1412.01
	12/6/2013	1430.78	1429.92	--	19.18	--	1410.74	1410.74

Notes:

1. Wells MW-1 through MW-6 were surveyed on 10-26-10 with known elevation (fire hydrant) of 1428.94 feet above mean sea level.
2. Groundwater Elevation corrected for product level using assumed specific gravity of 0.80.
3. All elevations are feet above mean sea level (fmsl).
4. Well need to be resurveyed since final cover. Assumed bottom depths

TOR = Top of riser

DTP = Depth to product

DTW = Depth to water

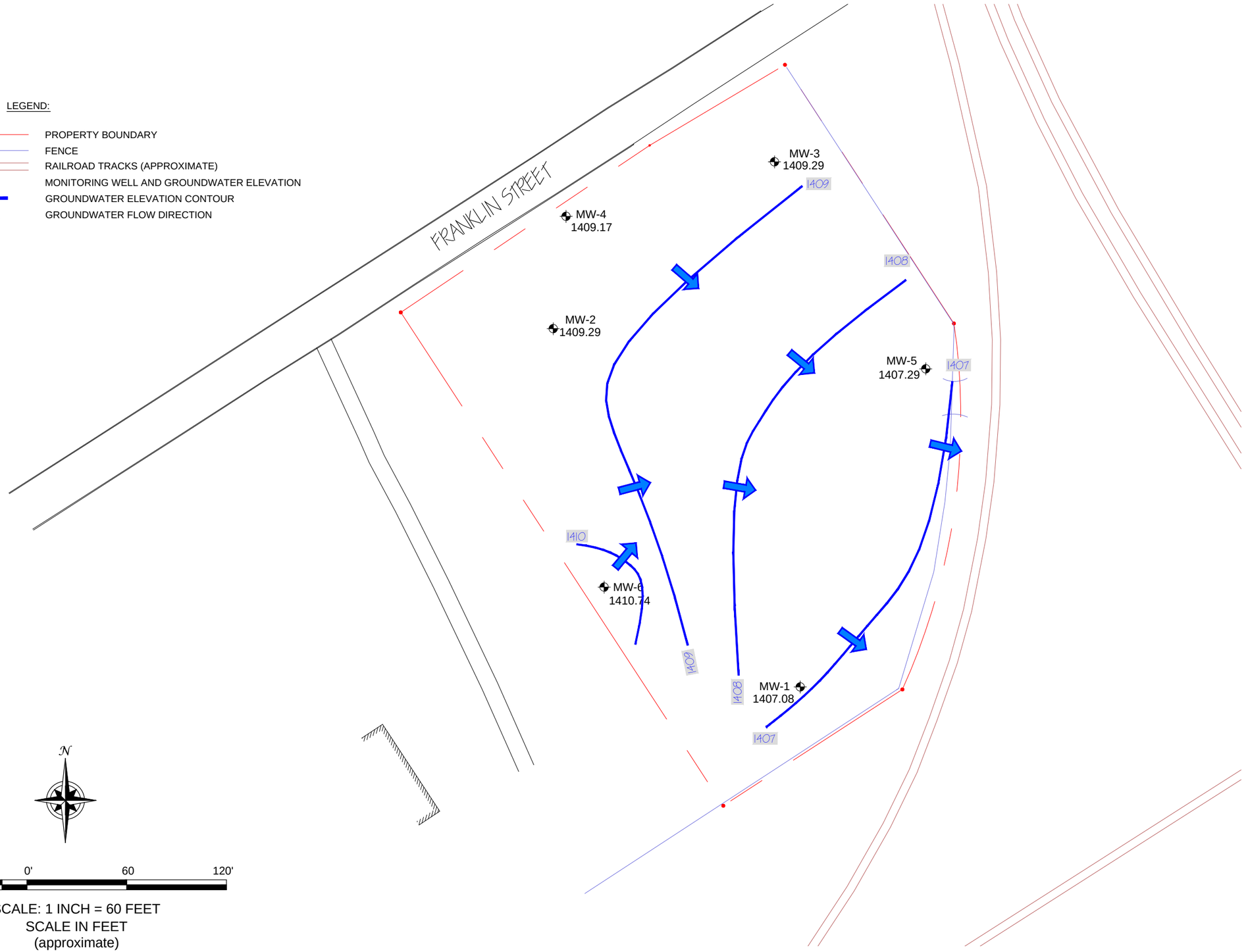
fb = feet below

FIGURES

F:\CAD\TurnKey\Scott Rotary Seals\PRR\GWM\Groundwater Contours 2013.dwg

LEGEND:

- PROPERTY BOUNDARY
- FENCE
- RAILROAD TRACKS (APPROXIMATE)
- MW-3 1409.17 — MONITORING WELL AND GROUNDWATER ELEVATION
- GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION



SCALE: 1 INCH = 60 FEET
SCALE IN FEET
(approximate)

DATE: JUNE 2013
DRAFTED BY: RFL

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TURNKEY ENVIRONMENTAL RESTORATION, LLC

2558 HAMBURG TURNPIKE, SUITE 300, BUFFALO, NY 14218, (716) 856-0599

JOB NO.: 0189-014-001

GROUNDWATER CONTOURS DECEMBER 2013

PERIODIC REVIEW REPORT

SCOTT ROTARY SEALS SITE
OLEAN, NEW YORK

PREPARED FOR
DST PROPERTIES NY, LLC

FIGURE C-1

ATTACHMENT 1

LABORATORY ANALYTICAL DATA

ANALYTICAL REPORT

Lab Number:	L1308478
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Ray Laport
Phone:	(716) 856-0599
Project Name:	DST PROP
Project Number:	0189-013-001
Report Date:	06/20/14

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: DST PROP
Project Number: 0189-013-001

Lab Number: L1308478
Report Date: 06/20/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1308478-01	MW-1	301 FRANKLIN	05/10/13 12:15
L1308478-02	MW-2	301 FRANKLIN	05/10/13 15:42
L1308478-03	MW-3	301 FRANKLIN	05/10/13 13:15
L1308478-04	MW-4	301 FRANKLIN	05/10/13 14:06
L1308478-05	MW-5	301 FRANKLIN	05/10/13 12:48
L1308478-06	MW-6	301 FRANKLIN	05/10/13 14:32
L1308478-07	BLIND DUP	301 FRANKLIN	05/10/13 08:00
L1308478-08	TRIP BLANK	301 FRANKLIN	05/10/13 00:00

Project Name:	DST PROP	**Lab Number:**	L1308478
Project Number:	0189-013-001	**Report Date:**	06/20/14

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	DST PROP	**Lab Number:**	L1308478
Project Number:	0189-013-001	**Report Date:**	06/20/14

Case Narrative (continued)

Report Submission

This report replaces the report issued on May 17, 2013. The Volatile Organics analyte list has been amended. All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L1308478-02 has elevated detection limits due to the dilution required by the sample matrix.

The WG608800-4/-5 MS/MSD recoveries, performed on L1308478-01, were outside the acceptance criteria for 1,1,2,2-Tetrachloroethane (MSD at 142%), Bromomethane (36%/37%), tert-butyl Alcohol (133%/140%), Styrene (37%/36%), 4-methyl-2-Pentanone (146%/137%), Naphthalene (134%/141%) and trans-1,4-Dichloro-2-butene (50%/54%)however, the associated LCS/LCSD recoveries were within overall method allowances.

The WG608800-4/-5 MS/MSD RPD, performed on L1308478-01, is above the acceptance criteria for 1,4-Dioxane (22%).

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 06/20/14

ORGANICS

VOLATILES

Project Name: DST PROP
Project Number: 0189-013-001
Lab Number: L1308478
Report Date: 06/20/14

SAMPLE RESULTS

Lab ID: L1308478-01
Client ID: MW-1
Sample Location: 301 FRANKLIN
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/16/13 20:22
Analyst: PD

Date Collected: 05/10/13 12:15
Date Received: 05/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.16	1
1,2-Dichloropropane	ND		ug/l	1.0	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1

Project Name: DST PROP
Project Number: 0189-013-001
Lab Number: L1308478
Report Date: 06/20/14

SAMPLE RESULTS

Lab ID: L1308478-01
Client ID: MW-1
Sample Location: 301 FRANKLIN
Date Collected: 05/10/13 12:15
Date Received: 05/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	14		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	9.1		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	0.81	J	ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.38	1
Cyclohexane	ND		ug/l	10	0.54	1
1,4-Dioxane	ND		ug/l	250	76.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	0.74	J	ug/l	10	0.63	1

Tentatively Identified Compounds				
Butane, 2,3-Dimethyl-	14	NJ	ug/l	1
Unknown Cycloaromatic	9.2	J	ug/l	1
Unknown	13	J	ug/l	1
Unknown	24	J	ug/l	1
Unknown	29	J	ug/l	1

Project Name: DST PROP
Project Number: 0189-013-001
Lab Number: L1308478
Report Date: 06/20/14

SAMPLE RESULTS

Lab ID: L1308478-01
Client ID: MW-1
Sample Location: 301 FRANKLIN
Date Collected: 05/10/13 12:15
Date Received: 05/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Unknown Benzene	22	J	ug/l			1
Unknown Benzene	24	J	ug/l			1
Unknown Cycloaromatic	19	J	ug/l			1
Unknown Benzene	24	J	ug/l			1
Unknown	67	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	101		70-130

Project Name: DST PROP
Project Number: 0189-013-001
Lab Number: L1308478
Report Date: 06/20/14

SAMPLE RESULTS

Lab ID: L1308478-02 D
Client ID: MW-2
Sample Location: 301 FRANKLIN
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/16/13 20:49
Analyst: PD

Date Collected: 05/10/13 15:42
Date Received: 05/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.33	2
1,2-Dichloropropane	ND		ug/l	2.0	0.59	2
Dibromochloromethane	ND		ug/l	1.0	0.38	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	ND		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.32	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.38	2
Benzene	ND		ug/l	1.0	0.39	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	1.6	J	ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	ND		ug/l	2.0	0.66	2
Chloroethane	2.7	J	ug/l	5.0	1.4	2
1,1-Dichloroethene	ND		ug/l	1.0	0.36	2
trans-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
Trichloroethene	ND		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2

Project Name: DST PROP **Lab Number:** L1308478

Project Number: 0189-013-001 **Report Date:** 06/20/14

SAMPLE RESULTS

Lab ID: L1308478-02 D Date Collected: 05/10/13 15:42

Client ID: MW-2 Date Received: 05/13/13

Sample Location: 301 FRANKLIN Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	16		ug/l	10	2.0	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	35		ug/l	10	2.0	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
n-Butylbenzene	ND		ug/l	5.0	1.4	2
sec-Butylbenzene	1.4	J	ug/l	5.0	1.4	2
tert-Butylbenzene	1.6	J	ug/l	5.0	1.4	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
p-Isopropyltoluene	ND		ug/l	5.0	1.4	2
Naphthalene	ND		ug/l	5.0	1.4	2
n-Propylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,3,5-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trimethylbenzene	ND		ug/l	5.0	1.4	2
Methyl Acetate	ND		ug/l	4.0	0.76	2
Cyclohexane	ND		ug/l	20	1.1	2
1,4-Dioxane	ND		ug/l	500	150	2
Freon-113	ND		ug/l	5.0	1.4	2
Methyl cyclohexane	13	J	ug/l	20	1.3	2

Tentatively Identified Compounds					
Unknown Cycloalkane	20	J	ug/l		2
Unknown Cycloalkane	17	J	ug/l		2
Unknown Cycloalkane	30	J	ug/l		2
Unknown Benzene	22	J	ug/l		2
Unknown Cycloaromatic	14	J	ug/l		2

Project Name: DST PROP
Project Number: 0189-013-001
Lab Number: L1308478
Report Date: 06/20/14

SAMPLE RESULTS

Lab ID: L1308478-02 D
Client ID: MW-2
Sample Location: 301 FRANKLIN
Date Collected: 05/10/13 15:42
Date Received: 05/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Unknown Cycloaromatic	31	J	ug/l			2
Unknown Benzene	15	J	ug/l			2
Unknown Naphthalene	16	J	ug/l			2
Unknown Naphthalene	15	J	ug/l			2
Unknown Naphthalene	12	J	ug/l			2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	103		70-130

Project Name: DST PROP
Project Number: 0189-013-001
Lab Number: L1308478
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SAMPLE RESULTS

Lab ID: L1308478-03
Client ID: MW-3
Sample Location: 301 FRANKLIN
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/15/13 16:11
Analyst: PD

Date Collected: 05/10/13 13:15
Date Received: 05/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.16	1
1,2-Dichloropropane	ND		ug/l	1.0	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1

Project Name: DST PROP
Project Number: 0189-013-001
Lab Number: L1308478
Report Date: 06/20/14

SAMPLE RESULTS

Lab ID: L1308478-03
Client ID: MW-3
Sample Location: 301 FRANKLIN
Date Collected: 05/10/13 13:15
Date Received: 05/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.9	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.38	1
Cyclohexane	ND		ug/l	10	0.54	1
1,4-Dioxane	ND		ug/l	250	76.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.63	1

Tentatively Identified Compounds						
Unknown	8.0	J	ug/l			1
Unknown	5.3	J	ug/l			1
Unknown	12	J	ug/l			1
Unknown	26	J	ug/l			1
Unknown	6.1	J	ug/l			1

Project Name: DST PROP
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Lab Number: L1308478
Report Date: 06/20/14

SAMPLE RESULTS

Lab ID: L1308478-03
Client ID: MW-3
Sample Location: 301 FRANKLIN
Date Collected: 05/10/13 13:15
Date Received: 05/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Unknown Cycloaromatic	36	J	ug/l			1
Unknown	9.4	J	ug/l			1
Unknown	11	J	ug/l			1
Unknown Naphthalene	33	J	ug/l			1
Unknown Cycloalkane	52	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	96		70-130

Project Name: DST PROP
Project Number: 0189-013-001
Lab Number: L1308478
Report Date: 06/20/14

SAMPLE RESULTS

Lab ID: L1308478-04
Client ID: MW-4
Sample Location: 301 FRANKLIN
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/15/13 16:38
Analyst: PD

Date Collected: 05/10/13 14:06
Date Received: 05/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.16	1
1,2-Dichloropropane	ND		ug/l	1.0	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1

Project Name: DST PROP
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Lab Number: L1308478
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SAMPLE RESULTS

Lab ID: L1308478-04
Client ID: MW-4
Sample Location: 301 FRANKLIN
Date Collected: 05/10/13 14:06
Date Received: 05/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	11		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	32		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	0.87	J	ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.38	1
Cyclohexane	ND		ug/l	10	0.54	1
1,4-Dioxane	ND		ug/l	250	76.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	3.7	J	ug/l	10	0.63	1

Tentatively Identified Compounds						
Unknown Cycloalkane	30	J	ug/l			1
Unknown Cycloaromatic	30	J	ug/l			1
Unknown	19	J	ug/l			1
Unknown Benzene	14	J	ug/l			1
Unknown Alkane	22	J	ug/l			1

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SAMPLE RESULTS

Lab ID: L1308478-04
Client ID: MW-4
Sample Location: 301 FRANKLIN
Date Collected: 05/10/13 14:06
Date Received: 05/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Unknown	59	J	ug/l			1
Unknown Cycloaromatic	22	J	ug/l			1
Unknown Naphthalene	20	J	ug/l			1
Unknown Naphthalene	40	J	ug/l			1
Unknown Benzene	22	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	98		70-130

Project Name: DST PROP
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Lab Number: L1308478
Report Date: 06/20/14

SAMPLE RESULTS

Lab ID: L1308478-05
Client ID: MW-5
Sample Location: 301 FRANKLIN
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/15/13 17:05
Analyst: PD

Date Collected: 05/10/13 12:48
Date Received: 05/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.16	1
1,2-Dichloropropane	ND		ug/l	1.0	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1

Project Name: DST PROP
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SAMPLE RESULTS

Lab ID: L1308478-05
Client ID: MW-5
Sample Location: 301 FRANKLIN
Date Collected: 05/10/13 12:48
Date Received: 05/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	17		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	8.1		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.38	1
Cyclohexane	ND		ug/l	10	0.54	1
1,4-Dioxane	ND		ug/l	250	76.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	1.6	J	ug/l	10	0.63	1

Tentatively Identified Compounds				
Unknown	8.9	J	ug/l	1
Butane, 2,3-Dimethyl-	3.1	NJ	ug/l	1
Pentane, 2,3-dimethyl-	4.2	NJ	ug/l	1
Cyclopentane, 1,2,4-trimethyl-	3.9	NJ	ug/l	1
Unknown Cycloalkane	5.4	J	ug/l	1

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SAMPLE RESULTS

Lab ID: L1308478-05
Client ID: MW-5
Sample Location: 301 FRANKLIN
Date Collected: 05/10/13 12:48
Date Received: 05/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Unknown Cycloalkane	1.7	J	ug/l			1
Unknown Cycloalkane	1.9	J	ug/l			1
Cyclohexane, 1,1,3-trimethyl-	1.7	NJ	ug/l			1
Unknown	3.5	J	ug/l			1
Unknown Cycloaromatic	3.6	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	100		70-130

Project Name: DST PROP
Project Number: 0189-013-001
Lab Number: L1308478
Report Date: 06/20/14

SAMPLE RESULTS

Lab ID: L1308478-06
Client ID: MW-6
Sample Location: 301 FRANKLIN
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/15/13 17:33
Analyst: PD

Date Collected: 05/10/13 14:32
Date Received: 05/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.16	1
1,2-Dichloropropane	ND		ug/l	1.0	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	0.80	J	ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1

Project Name: DST PROP
Project Number: 0189-013-001
Lab Number: L1308478
Report Date: 06/20/14

SAMPLE RESULTS

Lab ID: L1308478-06
Client ID: MW-6
Sample Location: 301 FRANKLIN
Date Collected: 05/10/13 14:32
Date Received: 05/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	5.7		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	11		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	1.1	J	ug/l	2.5	0.70	1
tert-Butylbenzene	1.5	J	ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	0.79	J	ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.38	1
Cyclohexane	ND		ug/l	10	0.54	1
1,4-Dioxane	ND		ug/l	250	76.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	1.3	J	ug/l	10	0.63	1

Tentatively Identified Compounds				
Unknown Cycloaromatic	14	J	ug/l	1
Unknown	22	J	ug/l	1
Unknown	13	J	ug/l	1
Unknown	21	J	ug/l	1
Unknown	14	J	ug/l	1

Project Name: DST PROP
Project Number: 0189-013-001
Lab Number: L1308478
Report Date: 06/20/14

SAMPLE RESULTS

Lab ID: L1308478-06
Client ID: MW-6
Sample Location: 301 FRANKLIN
Date Collected: 05/10/13 14:32
Date Received: 05/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Unknown Naphthalene	17	J	ug/l			1
Unknown Naphthalene	44	J	ug/l			1
Unknown Cycloaromatic	15	J	ug/l			1
Unknown	17	J	ug/l			1
Unknown	24	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	101		70-130

Project Name: DST PROP
Project Number: 0189-013-001
Lab Number: L1308478
Report Date: 06/20/14

SAMPLE RESULTS

Lab ID: L1308478-07
Client ID: BLIND DUP
Sample Location: 301 FRANKLIN
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/15/13 18:00
Analyst: PD

Date Collected: 05/10/13 08:00
Date Received: 05/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.16	1
1,2-Dichloropropane	ND		ug/l	1.0	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1

Project Name: DST PROP
Project Number: 0189-013-001
Lab Number: L1308478
Report Date: 06/20/14

SAMPLE RESULTS

Lab ID: L1308478-07
Client ID: BLIND DUP
Sample Location: 301 FRANKLIN
Date Collected: 05/10/13 08:00
Date Received: 05/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	12		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	9.6		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.38	1
Cyclohexane	ND		ug/l	10	0.54	1
1,4-Dioxane	ND		ug/l	250	76.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	1.8	J	ug/l	10	0.63	1

Tentatively Identified Compounds				
Unknown	7.0	J	ug/l	1
Unknown	11	J	ug/l	1
Butane, 2,3-Dimethyl-	3.7	NJ	ug/l	1
Pentane, 2,3-dimethyl-	4.8	NJ	ug/l	1
Unknown Cycloalkane	4.3	J	ug/l	1

Project Name: DST PROP
Project Number: 0189-013-001
Lab Number: L1308478
Report Date: 06/20/14

SAMPLE RESULTS

Lab ID: L1308478-07
Client ID: BLIND DUP
Sample Location: 301 FRANKLIN
Date Collected: 05/10/13 08:00
Date Received: 05/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Unknown Cycloalkane	5.7	J	ug/l			1
Unknown Cycloalkane	2.1	J	ug/l			1
Unknown Cycloaromatic	3.3	J	ug/l			1
Unknown	2.7	J	ug/l			1
Unknown	3.0	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	97		70-130

Project Name: DST PROP
Project Number: 0189-013-001
Lab Number: L1308478
Report Date: 06/20/14

SAMPLE RESULTS

Lab ID: L1308478-08
Client ID: TRIP BLANK
Sample Location: 301 FRANKLIN
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/15/13 15:43
Analyst: PD

Date Collected: 05/10/13 00:00
Date Received: 05/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.16	1
1,2-Dichloropropane	ND		ug/l	1.0	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1

Project Name: DST PROP
Lab Number: L1308478
Project Number: 0189-013-001
Report Date: 06/20/14

SAMPLE RESULTS

Lab ID: L1308478-08
Client ID: TRIP BLANK
Sample Location: 301 FRANKLIN
Date Collected: 05/10/13 00:00
Date Received: 05/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.38	1
Cyclohexane	ND		ug/l	10	0.54	1
1,4-Dioxane	ND		ug/l	250	76.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.63	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Project Name: DST PROP **Lab Number:** L1308478

Project Number: 0189-013-001 **Report Date:** 06/20/14

SAMPLE RESULTS

Lab ID: L1308478-08 Date Collected: 05/10/13 00:00

Client ID: TRIP BLANK Date Received: 05/13/13

Sample Location: 301 FRANKLIN Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	97		70-130

Project Name: DST PROP
Project Number: 0189-013-001

Lab Number: L1308478
Report Date: 06/20/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/15/13 10:14
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-08 Batch: WG608463-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.16
1,2-Dichloropropane	ND		ug/l	1.0	0.30
Dibromochloromethane	ND		ug/l	0.50	0.19
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.16
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19
Benzene	ND		ug/l	0.50	0.19
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.18
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70

Project Name: DST PROP
Project Number: 0189-013-001

Lab Number: L1308478
Report Date: 06/20/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/15/13 10:14
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-08 Batch: WG608463-3					
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.38
Cyclohexane	ND		ug/l	10	0.54
1,4-Dioxane	ND		ug/l	250	76.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.63

Project Name: DST PROP
Project Number: 0189-013-001

Lab Number: L1308478
Report Date: 06/20/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/15/13 10:14
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-08 Batch: WG608463-3					
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	97		70-130

Project Name: DST PROP
Project Number: 0189-013-001

Lab Number: L1308478
Report Date: 06/20/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/16/13 12:07
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG608800-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.16
1,2-Dichloropropane	ND		ug/l	1.0	0.30
Dibromochloromethane	ND		ug/l	0.50	0.19
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.16
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19
Benzene	ND		ug/l	0.50	0.19
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.18
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70

Project Name: DST PROP
Project Number: 0189-013-001

Lab Number: L1308478
Report Date: 06/20/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/16/13 12:07
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG608800-3					
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.38
Cyclohexane	ND		ug/l	10	0.54
1,4-Dioxane	ND		ug/l	250	76.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.63

Project Name: DST PROP
Project Number: 0189-013-001

Lab Number: L1308478
Report Date: 06/20/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/16/13 12:07
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG608800-3					
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: DST PROP
Project Number: 0189-013-001

Lab Number: L1308478
Report Date: 06/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-08 Batch: WG608463-1 WG608463-2								
Methylene chloride	106		103		70-130	3		20
1,1-Dichloroethane	107		106		70-130	1		20
Chloroform	106		103		70-130	3		20
2-Chloroethylvinyl ether	94		95		70-130	1		20
Carbon tetrachloride	94		90		63-132	4		20
1,2-Dichloropropane	112		110		70-130	2		20
Dibromochloromethane	91		91		63-130	0		20
1,1,2-Trichloroethane	108		110		70-130	2		20
Tetrachloroethene	82		80		70-130	2		20
Chlorobenzene	98		100		75-130	2		20
Trichlorofluoromethane	116		113		62-150	3		20
1,2-Dichloroethane	106		104		70-130	2		20
1,1,1-Trichloroethane	98		97		67-130	1		20
Bromodichloromethane	102		101		67-130	1		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
cis-1,3-Dichloropropene	104		102		70-130	2		20
1,1-Dichloropropene	106		103		70-130	3		20
Bromoform	81		85		54-136	5		20
1,1,2,2-Tetrachloroethane	122		121		67-130	1		20
Benzene	107		104		70-130	3		20
Toluene	102		101		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: DST PROP
Project Number: 0189-013-001

Lab Number: L1308478
Report Date: 06/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-08 Batch: WG608463-1 WG608463-2								
Ethylbenzene	101		100		70-130	1		20
Chloromethane	93		98		64-130	5		20
Bromomethane	54		57		39-139	5		20
Vinyl chloride	105		102		55-140	3		20
Chloroethane	129		123		55-138	5		20
1,1-Dichloroethene	97		92		61-145	5		20
trans-1,2-Dichloroethene	101		97		70-130	4		20
Trichloroethene	101		98		70-130	3		20
1,2-Dichlorobenzene	101		100		70-130	1		20
1,3-Dichlorobenzene	100		97		70-130	3		20
1,4-Dichlorobenzene	100		99		70-130	1		20
Methyl tert butyl ether	98		100		63-130	2		20
p/m-Xylene	97		97		70-130	0		20
o-Xylene	98		98		70-130	0		20
cis-1,2-Dichloroethene	103		101		70-130	2		20
Dibromomethane	105		103		70-130	2		20
1,2,3-Trichloropropane	108		110		64-130	2		20
Acrylonitrile	109		114		70-130	4		20
Isopropyl Ether	107		107		70-130	0		20
tert-Butyl Alcohol	105		106		70-130	1		20
Styrene	99		97		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: DST PROP
Project Number: 0189-013-001

Lab Number: L1308478
Report Date: 06/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-08 Batch: WG608463-1 WG608463-2								
Dichlorodifluoromethane	99		96		36-147	3		20
Acetone	129		121		58-148	6		20
Carbon disulfide	100		97		51-130	3		20
2-Butanone	125		118		63-138	6		20
Vinyl acetate	110		111		70-130	1		20
4-Methyl-2-pentanone	104		105		59-130	1		20
2-Hexanone	104		101		57-130	3		20
Bromochloromethane	95		95		70-130	0		20
2,2-Dichloropropane	99		97		63-133	2		20
1,2-Dibromoethane	101		103		70-130	2		20
1,3-Dichloropropane	109		110		70-130	1		20
1,1,1,2-Tetrachloroethane	91		92		64-130	1		20
Bromobenzene	92		95		70-130	3		20
n-Butylbenzene	112		108		53-136	4		20
sec-Butylbenzene	105		104		70-130	1		20
tert-Butylbenzene	102		100		70-130	2		20
o-Chlorotoluene	109		108		70-130	1		20
p-Chlorotoluene	109		106		70-130	3		20
1,2-Dibromo-3-chloropropane	109		110		41-144	1		20
Hexachlorobutadiene	86		83		63-130	4		20
Isopropylbenzene	104		102		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: DST PROP
Project Number: 0189-013-001

Lab Number: L1308478
Report Date: 06/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-08 Batch: WG608463-1 WG608463-2								
p-Isopropyltoluene	103		102		70-130	1		20
Naphthalene	105		105		70-130	0		20
n-Propylbenzene	109		107		69-130	2		20
1,2,3-Trichlorobenzene	94		97		70-130	3		20
1,2,4-Trichlorobenzene	93		92		70-130	1		20
1,3,5-Trimethylbenzene	103		102		64-130	1		20
1,2,4-Trimethylbenzene	103		102		70-130	1		20
Methyl Acetate	111		112		70-130	1		20
Ethyl Acetate	109		107		70-130	2		20
Cyclohexane	108		103		70-130	5		20
Ethyl-Tert-Butyl-Ether	102		102		70-130	0		20
Tertiary-Amyl Methyl Ether	99		100		66-130	1		20
1,4-Dioxane	130		124		56-162	5		20
Freon-113	97		93		70-130	4		20
1,4-Diethylbenzene	103		101		70-130	2		20
4-Ethyltoluene	104		102		70-130	2		20
1,2,4,5-Tetramethylbenzene	100		100		70-130	0		20
Ethyl ether	107		111		59-134	4		20
trans-1,4-Dichloro-2-butene	95		96		70-130	1		20
Methyl cyclohexane	103		100		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: DST PROP
Project Number: 0189-013-001

Lab Number: L1308478
Report Date: 06/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-08 Batch: WG608463-1 WG608463-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		106		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	103		105		70-130
Dibromofluoromethane	97		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: DST PROP
Project Number: 0189-013-001

Lab Number: L1308478
Report Date: 06/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG608800-1 WG608800-2								
Methylene chloride	110		109		70-130	1		20
1,1-Dichloroethane	104		102		70-130	2		20
Chloroform	106		102		70-130	4		20
2-Chloroethylvinyl ether	85		84		70-130	1		20
Carbon tetrachloride	97		94		63-132	3		20
1,2-Dichloropropane	104		103		70-130	1		20
Dibromochloromethane	92		89		63-130	3		20
1,1,2-Trichloroethane	102		102		70-130	0		20
Tetrachloroethene	85		81		70-130	5		20
Chlorobenzene	97		97		75-130	0		20
Trichlorofluoromethane	116		112		62-150	4		20
1,2-Dichloroethane	102		102		70-130	0		20
1,1,1-Trichloroethane	100		98		67-130	2		20
Bromodichloromethane	102		98		67-130	4		20
trans-1,3-Dichloropropene	96		94		70-130	2		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
1,1-Dichloropropene	104		100		70-130	4		20
Bromoform	84		82		54-136	2		20
1,1,2,2-Tetrachloroethane	111		114		67-130	3		20
Benzene	105		102		70-130	3		20
Toluene	99		97		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: DST PROP
Project Number: 0189-013-001

Lab Number: L1308478
Report Date: 06/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG608800-1 WG608800-2								
Ethylbenzene	98		96		70-130	2		20
Chloromethane	87		79		64-130	10		20
Bromomethane	45		44		39-139	2		20
Vinyl chloride	100		94		55-140	6		20
Chloroethane	113		109		55-138	4		20
1,1-Dichloroethene	102		96		61-145	6		20
trans-1,2-Dichloroethene	102		100		70-130	2		20
Trichloroethene	100		98		70-130	2		20
1,2-Dichlorobenzene	100		98		70-130	2		20
1,3-Dichlorobenzene	99		98		70-130	1		20
1,4-Dichlorobenzene	100		98		70-130	2		20
Methyl tert butyl ether	100		98		63-130	2		20
p/m-Xylene	94		91		70-130	3		20
o-Xylene	94		92		70-130	2		20
cis-1,2-Dichloroethene	105		103		70-130	2		20
Dibromomethane	104		101		70-130	3		20
1,2,3-Trichloropropane	113		116		64-130	3		20
Acrylonitrile	102		102		70-130	0		20
Isopropyl Ether	102		101		70-130	1		20
tert-Butyl Alcohol	100		100		70-130	0		20
Styrene	94		92		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: DST PROP
Project Number: 0189-013-001

Lab Number: L1308478
Report Date: 06/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG608800-1 WG608800-2								
Dichlorodifluoromethane	84		81		36-147	4		20
Acetone	141		131		58-148	7		20
Carbon disulfide	100		96		51-130	4		20
2-Butanone	126		118		63-138	7		20
Vinyl acetate	101		102		70-130	1		20
4-Methyl-2-pentanone	93		92		59-130	1		20
2-Hexanone	100		98		57-130	2		20
Bromochloromethane	100		98		70-130	2		20
2,2-Dichloropropane	101		97		63-133	4		20
1,2-Dibromoethane	96		97		70-130	1		20
1,3-Dichloropropane	101		102		70-130	1		20
1,1,1,2-Tetrachloroethane	92		90		64-130	2		20
Bromobenzene	98		98		70-130	0		20
n-Butylbenzene	107		104		53-136	3		20
sec-Butylbenzene	104		102		70-130	2		20
tert-Butylbenzene	101		100		70-130	1		20
o-Chlorotoluene	107		106		70-130	1		20
p-Chlorotoluene	105		104		70-130	1		20
1,2-Dibromo-3-chloropropane	106		104		41-144	2		20
Hexachlorobutadiene	88		87		63-130	1		20
Isopropylbenzene	103		101		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: DST PROP
Project Number: 0189-013-001

Lab Number: L1308478
Report Date: 06/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG608800-1 WG608800-2								
p-Isopropyltoluene	101		99		70-130	2		20
Naphthalene	100		102		70-130	2		20
n-Propylbenzene	106		104		69-130	2		20
1,2,3-Trichlorobenzene	94		94		70-130	0		20
1,2,4-Trichlorobenzene	95		93		70-130	2		20
1,3,5-Trimethylbenzene	102		101		64-130	1		20
1,2,4-Trimethylbenzene	102		100		70-130	2		20
Methyl Acetate	101		103		70-130	2		20
Ethyl Acetate	99		100		70-130	1		20
Cyclohexane	97		94		70-130	3		20
Ethyl-Tert-Butyl-Ether	99		98		70-130	1		20
Tertiary-Amyl Methyl Ether	98		97		66-130	1		20
1,4-Dioxane	138		134		56-162	3		20
Freon-113	97		97		70-130	0		20
1,4-Diethylbenzene	100		99		70-130	1		20
4-Ethyltoluene	103		102		70-130	1		20
1,2,4,5-Tetramethylbenzene	99		98		70-130	1		20
Ethyl ether	102		112		59-134	9		20
trans-1,4-Dichloro-2-butene	89		88		70-130	1		20
Methyl cyclohexane	98		94		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: DST PROP

Project Number: 0189-013-001

Lab Number: L1308478

Report Date: 06/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG608800-1 WG608800-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		102		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	106		105		70-130
Dibromofluoromethane	102		103		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: DST PROP
Project Number: 0189-013-001

Lab Number: L1308478
Report Date: 06/20/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG608800-4 WG608800-5 QC Sample: L1308478-01 Client ID: MW-1												
Methylene chloride	ND	10	11	112		12	120		70-130	9		20
1,1-Dichloroethane	ND	10	11	111		12	121		70-130	9		20
Chloroform	ND	10	11	111		12	122		70-130	9		20
Carbon tetrachloride	ND	10	9.2	92		11	108		63-132	18		20
1,2-Dichloropropane	ND	10	11	113		12	121		70-130	9		20
Dibromochloromethane	ND	10	8.4	84		9.1	91		63-130	8		20
1,1,2-Trichloroethane	ND	10	12	117		12	121		70-130	0		20
Tetrachloroethene	ND	10	8.3	83		9.4	94		70-130	12		20
Chlorobenzene	ND	10	9.9	99		11	108		75-130	11		20
Trichlorofluoromethane	ND	10	12	126		14	139		62-150	15		20
1,2-Dichloroethane	ND	10	11	109		12	118		70-130	9		20
1,1,1-Trichloroethane	ND	10	10	104		12	115		67-130	18		20
Bromodichloromethane	ND	10	10	100		11	112		67-130	10		20
trans-1,3-Dichloropropene	ND	10	8.2	82		8.9	89		70-130	8		20
cis-1,3-Dichloropropene	ND	10	8.6	86		9.6	96		70-130	11		20
1,1-Dichloropropene	ND	10	10	103		12	117		70-130	18		20
Bromoform	ND	10	7.0	70		7.7	77		54-136	10		20
1,1,2,2-Tetrachloroethane	ND	10	13	126		14	**142**	Q	67-130	7		20
Benzene	ND	10	11	108		12	120		70-130	9		20
Toluene	ND	10	9.7	97		11	107		70-130	13		20
Ethylbenzene	ND	10	9.8	98		11	108		70-130	12		20

Matrix Spike Analysis
Batch Quality Control

Project Name: DST PROP
Project Number: 0189-013-001

Lab Number: L1308478
Report Date: 06/20/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG608800-4 WG608800-5 QC Sample: L1308478-01 Client ID: MW-1												
Chloromethane	ND	10	8.9	89		9.7	97		64-130	9		20
Bromomethane	ND	10	3.6	**36**	Q	3.7	**37**	Q	39-139	3		20
Vinyl chloride	ND	10	11	112		12	120		55-140	9		20
Chloroethane	ND	10	13	134		14	136		55-138	7		20
1,1-Dichloroethene	ND	10	10	100		11	106		61-145	10		20
trans-1,2-Dichloroethene	ND	10	10	105		12	115		70-130	18		20
Trichloroethene	ND	10	10	102		11	115		70-130	10		20
1,2-Dichlorobenzene	ND	10	10	101		11	111		70-130	10		20
1,3-Dichlorobenzene	ND	10	9.6	96		11	107		70-130	14		20
1,4-Dichlorobenzene	ND	10	10	100		11	109		70-130	10		20
Methyl tert butyl ether	ND	10	11	110		12	118		63-130	9		20
p/m-Xylene	ND	20	18	88		19	95		70-130	5		20
o-Xylene	ND	20	18	89		19	96		70-130	5		20
cis-1,2-Dichloroethene	ND	10	11	109		12	118		70-130	9		20
Dibromomethane	ND	10	11	112		12	119		70-130	9		20
1,2,3-Trichloropropane	ND	10	12	118		12	126		64-130	0		20
Acrylonitrile	ND	10	11	111		11	110		70-130	0		20
Isopropyl Ether	ND	10	11	109		12	118		70-130	9		20
tert-Butyl Alcohol	7.3J	50	66	**133**	Q	70	**140**	Q	70-130	6		20
Styrene	ND	20	7.3	**37**	Q	7.2	**36**	Q	70-130	1		20
Dichlorodifluoromethane	ND	10	8.8	88		9.9	99		36-147	12		20

Matrix Spike Analysis
Batch Quality Control

Project Name: DST PROP
Project Number: 0189-013-001

Lab Number: L1308478
Report Date: 06/20/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG608800-4 WG608800-5 QC Sample: L1308478-01 Client ID: MW-1												
Acetone	14	10	23	86		25	114		58-148	8		20
Carbon disulfide	ND	10	7.6	76		8.5	85		51-130	11		20
2-Butanone	9.1	10	19	102		20	110		63-138	5		20
Vinyl acetate	ND	10	10	106		11	110		70-130	10		20
4-Methyl-2-pentanone	ND	10	14	**146**	Q	14	**137**	Q	59-130	0		20
2-Hexanone	ND	10	12	123		13	129		57-130	8		20
Bromochloromethane	ND	10	10	102		11	111		70-130	10		20
2,2-Dichloropropane	ND	10	7.3	73		8.0	80		63-133	9		20
1,2-Dibromoethane	ND	10	11	109		11	112		70-130	0		20
1,3-Dichloropropane	ND	10	11	112		12	118		70-130	9		20
1,1,1,2-Tetrachloroethane	ND	10	9.5	95		10	102		64-130	5		20
Bromobenzene	ND	10	9.4	94		10	105		70-130	6		20
n-Butylbenzene	ND	10	10	100		11	113		53-136	10		20
sec-Butylbenzene	ND	10	9.8	98		11	113		70-130	12		20
tert-Butylbenzene	0.81J	10	11	106		12	121		70-130	9		20
o-Chlorotoluene	ND	10	11	112		12	125		70-130	9		20
p-Chlorotoluene	ND	10	10	102		12	116		70-130	18		20
1,2-Dibromo-3-chloropropane	ND	10	11	113		13	126		41-144	17		20
Hexachlorobutadiene	ND	10	8.0	80		8.8	88		63-130	10		20
Isopropylbenzene	ND	10	9.9	99		11	113		70-130	11		20
p-Isopropyltoluene	ND	10	9.2	92		10	105		70-130	8		20

Matrix Spike Analysis
Batch Quality Control

Project Name: DST PROP
Project Number: 0189-013-001

Lab Number: L1308478
Report Date: 06/20/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG608800-4 WG608800-5 QC Sample: L1308478-01 Client ID: MW-1												
Naphthalene	ND	10	13	**134**	Q	14	**141**	Q	70-130	7		20
n-Propylbenzene	ND	10	10	102		12	116		69-130	18		20
1,2,3-Trichlorobenzene	ND	10	10	104		11	114		70-130	10		20
1,2,4-Trichlorobenzene	ND	10	9.7	97		11	107		70-130	13		20
1,3,5-Trimethylbenzene	ND	10	7.9	79		8.5	85		64-130	7		20
1,2,4-Trimethylbenzene	ND	10	9.1	91		9.9	99		70-130	8		20
Methyl Acetate	ND	10	11	107		11	112		70-130	0		20
Ethyl Acetate	ND	10	12	117		12	122		70-130	0		20
Cyclohexane	ND	10	9.8J	98		12	115		70-130	20		20
Ethyl-Tert-Butyl-Ether	ND	10	11	106		12	117		70-130	9		20
Tertiary-Amyl Methyl Ether	ND	10	11	109		12	115		66-130	9		20
1,4-Dioxane	ND	1000	1200	121		1500	149		56-162	**22**	Q	20
Freon-113	ND	10	9.8	98		11	110		70-130	12		20
1,4-Diethylbenzene	ND	10	9.1	91		10	104		70-130	9		20
4-Ethyltoluene	ND	10	9.5	95		11	106		70-130	15		20
1,2,4,5-Tetramethylbenzene	ND	10	9.2	92		10	100		70-130	8		20
Ethyl ether	ND	10	13	126		12	125		59-134	8		20
trans-1,4-Dichloro-2-butene	ND	10	4.9	**50**	Q	5.4	**54**	Q	70-130	10		20
Methyl cyclohexane	0.74J	10	10	102		11	114		70-130	10		20

Matrix Spike Analysis
Batch Quality Control

Project Name: DST PROP
Project Number: 0189-013-001

Lab Number: L1308478
Report Date: 06/20/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG608800-4 WG608800-5 QC Sample: L1308478-01 Client ID: MW-1

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		110		70-130
4-Bromofluorobenzene	106		107		70-130
Dibromofluoromethane	102		103		70-130
Toluene-d8	99		98		70-130

Project Name: DST PROP
Project Number: 0189-013-001

Lab Number: L1308478
Report Date: 06/20/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1308478-01A	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1308478-01B	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1308478-01C	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1308478-01D	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1308478-01E	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1308478-01F	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1308478-01G	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1308478-01H	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1308478-01I	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1308478-02A	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1308478-02B	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1308478-02C	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1308478-03A	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1308478-03B	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1308478-04A	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1308478-04B	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1308478-04C	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1308478-05A	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1308478-05B	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1308478-06A	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1308478-06B	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1308478-06C	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1308478-07A	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1308478-07B	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1308478-08A	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	DST PROP	**Lab Number:**	L1308478
Project Number:	0189-013-001	**Report Date:**	06/20/14

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

Report Format: DU Report with 'J' Qualifiers

Project Name:	DST PROP	**Lab Number:**	L1308478
Project Number:	0189-013-001	**Report Date:**	06/20/14

Data Qualifiers

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	DST PROP	**Lab Number:**	L1308478
Project Number:	0189-013-001	**Report Date:**	06/20/14

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised April 15, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd In Lab: 5/14/13

ALPHA Job #: L1309478

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Turnkey

Address: 2558 Hamburg Turnpike Buffalo NY 14218

Phone: (716) 856-0599

Fax: (716) 856-0583

Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: DST Prop

Project Location: 301 Franklin

Project #: 0189-013-001

Project Manager: Ray Laport

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 5/20/13 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
	CAT-B

Other Project Specific Requirements/Comments/Detection Limits:

CAT-B

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: 8260 TCL TICs	SAMPLE HANDLING	TOTAL # BOTTLES
0478.01	MW-1 (MS/MSD)	5-10-13	1215	GW	PWW	X		
.02	MW-2		1542			X		
.03	MW-3		1315			X		
.04	MW-4		1406			X		
.05	MW-5		1248			X		
.06	MW-6		1432			X		
.07	Blind Dup		800			X		
.08	Trip Blank		900			X		

SAMPLE HANDLING

Filtration

☐ Done ☐ Not needed ☐ Lab to do

Preservation

☐ Lab to do (Please specify below)

Sample Specific Comments

Container Type														
Preservative														

Relinquished By:	Date/Time	Received By:	Date/Time
	5-10-13 1700		
	5-13-13 1615		5-13-13 1615
	5-13 17:28		5-13-13 18:40
	5/13/13 2230		5/13/13 1120

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

0020

Richard Scott 5/14/13

ANALYTICAL REPORT

Lab Number:	L1324994
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Mike Lesakowski
Phone:	(716) 856-0599
Project Name:	301 FRANKLIN ST. SITE
Project Number:	0181-013-001
Report Date:	12/16/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 301 FRANKLIN ST. SITE
Project Number: 0181-013-001

Lab Number: L1324994
Report Date: 12/16/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1324994-01	MW-1	301 FRANKLIN ST.	12/06/13 12:59
L1324994-02	MW-2	301 FRANKLIN ST.	12/06/13 14:59
L1324994-03	MW-3	301 FRANKLIN ST.	12/06/13 13:40
L1324994-04	MW-4	301 FRANKLIN ST.	12/06/13 14:25
L1324994-05	MW-5	301 FRANKLIN ST.	12/06/13 11:43
L1324994-06	MW-6	301 FRANKLIN ST.	12/06/13 15:36
L1324994-07	BLIND DUP	301 FRANKLIN ST.	12/06/13 08:00
L1324994-08	TRIP BLANK	301 FRANKLIN ST.	12/06/13 00:00

Project Name:	301 FRANKLIN ST. SITE	**Lab Number:**	L1324994
Project Number:	0181-013-001	**Report Date:**	12/16/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	301 FRANKLIN ST. SITE	**Lab Number:**	L1324994
Project Number:	0181-013-001	**Report Date:**	12/16/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L1324994-02 and -04 have elevated detection limits due to the dilutions required by the sample matrices.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 12/16/13

ORGANICS

VOLATILES

Project Name: 301 FRANKLIN ST. SITE
Project Number: 0181-013-001
Lab Number: L1324994
Report Date: 12/16/13

SAMPLE RESULTS

Lab ID: L1324994-01
Client ID: MW-1
Sample Location: 301 FRANKLIN ST.
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/16/13 13:27
Analyst: PD

Date Collected: 12/06/13 12:59
Date Received: 12/09/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	0.76	J	ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1

Project Name: 301 FRANKLIN ST. SITE **Lab Number:** L1324994

Project Number: 0181-013-001 **Report Date:** 12/16/13

SAMPLE RESULTS

Lab ID: L1324994-01 Date Collected: 12/06/13 12:59

Client ID: MW-1 Date Received: 12/09/13

Sample Location: 301 FRANKLIN ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	2.0	J	ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	1.5	J	ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	1.5	J	ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	0.74	J	ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	0.53	J	ug/l	10	0.29	1

Tentatively Identified Compounds				
Unknown	1.2	J	ug/l	1
Unknown	1.2	J	ug/l	1
Butane, 2,3-Dimethyl-	4.2	NJ	ug/l	1
Unknown Cycloaromatic	2.3	J	ug/l	1
Unknown Benzene	3.8	J	ug/l	1

Project Name: 301 FRANKLIN ST. SITE **Lab Number:** L1324994

Project Number: 0181-013-001 **Report Date:** 12/16/13

SAMPLE RESULTS

Lab ID: L1324994-01 Date Collected: 12/06/13 12:59

Client ID: MW-1 Date Received: 12/09/13

Sample Location: 301 FRANKLIN ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Unknown	1.3	J	ug/l			1
Benzene, pentamethyl-	1.8	NJ	ug/l			1
Unknown Cycloaromatic	1.5	J	ug/l			1
Unknown Cycloaromatic	2.9	J	ug/l			1
Unknown	1.2	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	98		70-130

Project Name: 301 FRANKLIN ST. SITE
Project Number: 0181-013-001
Lab Number: L1324994
Report Date: 12/16/13

SAMPLE RESULTS

Lab ID: L1324994-02 D
Client ID: MW-2
Sample Location: 301 FRANKLIN ST.
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/16/13 13:56
Analyst: PD

Date Collected: 12/06/13 14:59
Date Received: 12/09/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethane	ND		ug/l	6.2	1.8	2.5
Chloroform	ND		ug/l	6.2	1.8	2.5
Carbon tetrachloride	ND		ug/l	1.2	0.34	2.5
1,2-Dichloropropane	ND		ug/l	2.5	0.33	2.5
Dibromochloromethane	ND		ug/l	1.2	0.37	2.5
1,1,2-Trichloroethane	ND		ug/l	3.8	1.2	2.5
Tetrachloroethene	ND		ug/l	1.2	0.45	2.5
Chlorobenzene	ND		ug/l	6.2	1.8	2.5
Trichlorofluoromethane	ND		ug/l	6.2	1.8	2.5
1,2-Dichloroethane	ND		ug/l	1.2	0.33	2.5
1,1,1-Trichloroethane	ND		ug/l	6.2	1.8	2.5
Bromodichloromethane	ND		ug/l	1.2	0.48	2.5
trans-1,3-Dichloropropene	ND		ug/l	1.2	0.41	2.5
cis-1,3-Dichloropropene	ND		ug/l	1.2	0.36	2.5
Bromoform	ND		ug/l	5.0	1.6	2.5
1,1,2,2-Tetrachloroethane	ND		ug/l	1.2	0.36	2.5
Benzene	ND		ug/l	1.2	0.40	2.5
Toluene	ND		ug/l	6.2	1.8	2.5
Ethylbenzene	ND		ug/l	6.2	1.8	2.5
Chloromethane	ND		ug/l	6.2	1.8	2.5
Bromomethane	ND		ug/l	6.2	1.8	2.5
Vinyl chloride	ND		ug/l	2.5	0.82	2.5
Chloroethane	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethene	ND		ug/l	1.2	0.35	2.5
trans-1,2-Dichloroethene	ND		ug/l	6.2	1.8	2.5
Trichloroethene	ND		ug/l	1.2	0.44	2.5
1,2-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,3-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,4-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
Methyl tert butyl ether	ND		ug/l	6.2	1.8	2.5

Project Name: 301 FRANKLIN ST. SITE **Lab Number:** L1324994

Project Number: 0181-013-001 **Report Date:** 12/16/13

SAMPLE RESULTS

Lab ID: L1324994-02 D Date Collected: 12/06/13 14:59

Client ID: MW-2 Date Received: 12/09/13

Sample Location: 301 FRANKLIN ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	4.2	J	ug/l	6.2	1.8	2.5
o-Xylene	ND		ug/l	6.2	1.8	2.5
cis-1,2-Dichloroethene	ND		ug/l	6.2	1.8	2.5
Styrene	ND		ug/l	6.2	1.8	2.5
Dichlorodifluoromethane	ND		ug/l	12	2.5	2.5
Acetone	ND		ug/l	12	2.5	2.5
Carbon disulfide	ND		ug/l	12	2.5	2.5
2-Butanone	ND		ug/l	12	2.5	2.5
4-Methyl-2-pentanone	ND		ug/l	12	2.5	2.5
2-Hexanone	ND		ug/l	12	2.5	2.5
Bromochloromethane	ND		ug/l	6.2	1.8	2.5
1,2-Dibromoethane	ND		ug/l	5.0	1.6	2.5
n-Butylbenzene	ND		ug/l	6.2	1.8	2.5
sec-Butylbenzene	ND		ug/l	6.2	1.8	2.5
tert-Butylbenzene	ND		ug/l	6.2	1.8	2.5
1,2-Dibromo-3-chloropropane	ND		ug/l	6.2	1.8	2.5
Isopropylbenzene	ND		ug/l	6.2	1.8	2.5
p-Isopropyltoluene	ND		ug/l	6.2	1.8	2.5
Naphthalene	ND		ug/l	6.2	1.8	2.5
n-Propylbenzene	ND		ug/l	6.2	1.8	2.5
1,2,3-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,2,4-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,3,5-Trimethylbenzene	ND		ug/l	6.2	1.8	2.5
1,2,4-Trimethylbenzene	1.8	J	ug/l	6.2	1.8	2.5
Methyl Acetate	ND		ug/l	5.0	0.58	2.5
Cyclohexane	ND		ug/l	25	0.61	2.5
1,4-Dioxane	ND		ug/l	620	100	2.5
Freon-113	ND		ug/l	6.2	1.8	2.5
Methyl cyclohexane	ND		ug/l	25	0.72	2.5

Tentatively Identified Compounds				
Unknown	7.1	J	ug/l	2.5
Unknown	5.8	J	ug/l	2.5
Unknown	4.6	J	ug/l	2.5
Unknown Benzene	6.9	J	ug/l	2.5
Unknown Cycloaromatic	14	J	ug/l	2.5

Project Name: 301 FRANKLIN ST. SITE **Lab Number:** L1324994

Project Number: 0181-013-001 **Report Date:** 12/16/13

SAMPLE RESULTS

Lab ID: L1324994-02 D Date Collected: 12/06/13 14:59

Client ID: MW-2 Date Received: 12/09/13

Sample Location: 301 FRANKLIN ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Unknown Cycloaromatic	4.9	J	ug/l			2.5
Unknown Cycloaromatic	11	J	ug/l			2.5
Unknown Naphthalene	5.9	J	ug/l			2.5
Unknown Cycloaromatic	9.7	J	ug/l			2.5
Unknown Cycloaromatic	5.0	J	ug/l			2.5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	96		70-130

Project Name: 301 FRANKLIN ST. SITE
Project Number: 0181-013-001
Lab Number: L1324994
Report Date: 12/16/13

SAMPLE RESULTS

Lab ID: L1324994-03
Client ID: MW-3
Sample Location: 301 FRANKLIN ST.
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/16/13 14:24
Analyst: PD

Date Collected: 12/06/13 13:40
Date Received: 12/09/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1

Project Name: 301 FRANKLIN ST. SITE **Lab Number:** L1324994

Project Number: 0181-013-001 **Report Date:** 12/16/13

SAMPLE RESULTS

Lab ID: L1324994-03 Date Collected: 12/06/13 13:40

Client ID: MW-3 Date Received: 12/09/13

Sample Location: 301 FRANKLIN ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	1.4	J	ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	1.6	J	ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	1.6	J	ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	0.30	J	ug/l	10	0.29	1

Tentatively Identified Compounds				
Unknown	2.7	J	ug/l	1
Unknown Cycloaromatic	4.0	J	ug/l	1
Unknown	2.2	J	ug/l	1
Unknown	4.0	J	ug/l	1
Unknown	2.1	J	ug/l	1

Project Name: 301 FRANKLIN ST. SITE **Lab Number:** L1324994

Project Number: 0181-013-001 **Report Date:** 12/16/13

SAMPLE RESULTS

Lab ID: L1324994-03 Date Collected: 12/06/13 13:40

Client ID: MW-3 Date Received: 12/09/13

Sample Location: 301 FRANKLIN ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Unknown Cycloaromatic	4.2	J	ug/l			1
Benzene, pentamethyl-	4.0	NJ	ug/l			1
Unknown	2.9	J	ug/l			1
Unknown Cycloaromatic	3.4	J	ug/l			1
Unknown	2.4	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	96		70-130

Project Name: 301 FRANKLIN ST. SITE **Lab Number:** L1324994

Project Number: 0181-013-001 **Report Date:** 12/16/13

SAMPLE RESULTS

Lab ID: L1324994-04 D
Client ID: MW-4
Sample Location: 301 FRANKLIN ST.
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/16/13 14:53
Analyst: PD

Date Collected: 12/06/13 14:25
Date Received: 12/09/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	10	2.8	4
1,1-Dichloroethane	ND		ug/l	10	2.8	4
Chloroform	ND		ug/l	10	2.8	4
Carbon tetrachloride	ND		ug/l	2.0	0.54	4
1,2-Dichloropropane	ND		ug/l	4.0	0.53	4
Dibromochloromethane	ND		ug/l	2.0	0.60	4
1,1,2-Trichloroethane	ND		ug/l	6.0	2.0	4
Tetrachloroethene	ND		ug/l	2.0	0.72	4
Chlorobenzene	ND		ug/l	10	2.8	4
Trichlorofluoromethane	ND		ug/l	10	2.8	4
1,2-Dichloroethane	ND		ug/l	2.0	0.53	4
1,1,1-Trichloroethane	ND		ug/l	10	2.8	4
Bromodichloromethane	ND		ug/l	2.0	0.77	4
trans-1,3-Dichloropropene	ND		ug/l	2.0	0.66	4
cis-1,3-Dichloropropene	ND		ug/l	2.0	0.57	4
Bromoform	ND		ug/l	8.0	2.6	4
1,1,2,2-Tetrachloroethane	ND		ug/l	2.0	0.57	4
Benzene	ND		ug/l	2.0	0.63	4
Toluene	ND		ug/l	10	2.8	4
Ethylbenzene	ND		ug/l	10	2.8	4
Chloromethane	ND		ug/l	10	2.8	4
Bromomethane	ND		ug/l	10	2.8	4
Vinyl chloride	ND		ug/l	4.0	1.3	4
Chloroethane	ND		ug/l	10	2.8	4
1,1-Dichloroethene	ND		ug/l	2.0	0.57	4
trans-1,2-Dichloroethene	ND		ug/l	10	2.8	4
Trichloroethene	ND		ug/l	2.0	0.70	4
1,2-Dichlorobenzene	ND		ug/l	10	2.8	4
1,3-Dichlorobenzene	ND		ug/l	10	2.8	4
1,4-Dichlorobenzene	ND		ug/l	10	2.8	4
Methyl tert butyl ether	ND		ug/l	10	2.8	4

Project Name: 301 FRANKLIN ST. SITE **Lab Number:** L1324994

Project Number: 0181-013-001 **Report Date:** 12/16/13

SAMPLE RESULTS

Lab ID: L1324994-04 D Date Collected: 12/06/13 14:25

Client ID: MW-4 Date Received: 12/09/13

Sample Location: 301 FRANKLIN ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	5.2	J	ug/l	10	2.8	4
o-Xylene	ND		ug/l	10	2.8	4
cis-1,2-Dichloroethene	ND		ug/l	10	2.8	4
Styrene	ND		ug/l	10	2.8	4
Dichlorodifluoromethane	ND		ug/l	20	4.0	4
Acetone	ND		ug/l	20	4.0	4
Carbon disulfide	ND		ug/l	20	4.0	4
2-Butanone	ND		ug/l	20	4.0	4
4-Methyl-2-pentanone	ND		ug/l	20	4.0	4
2-Hexanone	ND		ug/l	20	4.0	4
Bromochloromethane	ND		ug/l	10	2.8	4
1,2-Dibromoethane	ND		ug/l	8.0	2.6	4
n-Butylbenzene	ND		ug/l	10	2.8	4
sec-Butylbenzene	ND		ug/l	10	2.8	4
tert-Butylbenzene	ND		ug/l	10	2.8	4
1,2-Dibromo-3-chloropropane	ND		ug/l	10	2.8	4
Isopropylbenzene	ND		ug/l	10	2.8	4
p-Isopropyltoluene	ND		ug/l	10	2.8	4
Naphthalene	ND		ug/l	10	2.8	4
n-Propylbenzene	ND		ug/l	10	2.8	4
1,2,3-Trichlorobenzene	ND		ug/l	10	2.8	4
1,2,4-Trichlorobenzene	ND		ug/l	10	2.8	4
1,3,5-Trimethylbenzene	ND		ug/l	10	2.8	4
1,2,4-Trimethylbenzene	ND		ug/l	10	2.8	4
Methyl Acetate	ND		ug/l	8.0	0.94	4
Cyclohexane	ND		ug/l	40	0.98	4
1,4-Dioxane	ND		ug/l	1000	160	4
Freon-113	ND		ug/l	10	2.8	4
Methyl cyclohexane	2.8	J	ug/l	40	1.2	4

Tentatively Identified Compounds						
Cyclopentane, 1,3-dimethyl-	6.0	NJ	ug/l			4
Unknown Cycloalkane	5.1	J	ug/l			4
Unknown Cycloaromatic	4.8	J	ug/l			4
Unknown	5.1	J	ug/l			4
Unknown Cycloaromatic	5.5	J	ug/l			4

Project Name: 301 FRANKLIN ST. SITE **Lab Number:** L1324994

Project Number: 0181-013-001 **Report Date:** 12/16/13

SAMPLE RESULTS

Lab ID: L1324994-04 D Date Collected: 12/06/13 14:25

Client ID: MW-4 Date Received: 12/09/13

Sample Location: 301 FRANKLIN ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Unknown Benzene	5.3	J	ug/l			4
Unknown Naphthalene	4.8	J	ug/l			4
Unknown Cycloaromatic	6.6	J	ug/l			4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	96		70-130

Project Name: 301 FRANKLIN ST. SITE **Lab Number:** L1324994

Project Number: 0181-013-001 **Report Date:** 12/16/13

SAMPLE RESULTS

Lab ID:	L1324994-05	Date Collected:	12/06/13 11:43
Client ID:	MW-5	Date Received:	12/09/13
Sample Location:	301 FRANKLIN ST.	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	12/16/13 15:21		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1

Project Name: 301 FRANKLIN ST. SITE **Lab Number:** L1324994

Project Number: 0181-013-001 **Report Date:** 12/16/13

SAMPLE RESULTS

Lab ID: L1324994-05 Date Collected: 12/06/13 11:43

Client ID: MW-5 Date Received: 12/09/13

Sample Location: 301 FRANKLIN ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	1.2	J	ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	0.88	J	ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	0.88	J	ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	1.6	J	ug/l	10	0.29	1

Tentatively Identified Compounds				
Unknown	2.1	J	ug/l	1
Pentane, 2,3-dimethyl-	1.7	NJ	ug/l	1
Unknown Cycloalkane	1.2	J	ug/l	1
Cyclohexane, 1,1-dimethyl-	1.4	NJ	ug/l	1
Unknown Cycloaromatic	1.2	J	ug/l	1

Project Name: 301 FRANKLIN ST. SITE
Lab Number: L1324994
Project Number: 0181-013-001
Report Date: 12/16/13

SAMPLE RESULTS

Lab ID: L1324994-05
Client ID: MW-5
Sample Location: 301 FRANKLIN ST.
Date Collected: 12/06/13 11:43
Date Received: 12/09/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Unknown Cycloaromatic	1.2	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	96		70-130

Project Name: 301 FRANKLIN ST. SITE
Project Number: 0181-013-001
Lab Number: L1324994
Report Date: 12/16/13

SAMPLE RESULTS

Lab ID: L1324994-06
Client ID: MW-6
Sample Location: 301 FRANKLIN ST.
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/16/13 15:50
Analyst: PD

Date Collected: 12/06/13 15:36
Date Received: 12/09/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1

Project Name: 301 FRANKLIN ST. SITE **Lab Number:** L1324994

Project Number: 0181-013-001 **Report Date:** 12/16/13

SAMPLE RESULTS

Lab ID: L1324994-06 Date Collected: 12/06/13 15:36

Client ID: MW-6 Date Received: 12/09/13

Sample Location: 301 FRANKLIN ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	1.2	J	ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.1	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	0.79	J	ug/l	2.5	0.70	1
tert-Butylbenzene	1.4	J	ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	1.4	J	ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	0.74	J	ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	0.92	J	ug/l	10	0.29	1

Tentatively Identified Compounds				
Sulfur Dioxide	4.4	NJ	ug/l	1
Unknown	3.2	J	ug/l	1
Unknown Cycloaromatic	3.5	J	ug/l	1
Unknown Cycloaromatic	3.4	J	ug/l	1
Unknown Benzene	3.0	J	ug/l	1

Project Name: 301 FRANKLIN ST. SITE **Lab Number:** L1324994

Project Number: 0181-013-001 **Report Date:** 12/16/13

SAMPLE RESULTS

Lab ID: L1324994-06 Date Collected: 12/06/13 15:36

Client ID: MW-6 Date Received: 12/09/13

Sample Location: 301 FRANKLIN ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Unknown Cycloaromatic	9.9	J	ug/l			1
Unknown Naphthalene	7.2	J	ug/l			1
Unknown Cycloaromatic	4.3	J	ug/l			1
Unknown Naphthalene	6.3	J	ug/l			1
Unknown Naphthalene	6.0	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	97		70-130

Project Name: 301 FRANKLIN ST. SITE
Project Number: 0181-013-001
Lab Number: L1324994
Report Date: 12/16/13

SAMPLE RESULTS

Lab ID: L1324994-07
Client ID: BLIND DUP
Sample Location: 301 FRANKLIN ST.
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/16/13 16:18
Analyst: PD

Date Collected: 12/06/13 08:00
Date Received: 12/09/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1

Project Name: 301 FRANKLIN ST. SITE **Lab Number:** L1324994

Project Number: 0181-013-001 **Report Date:** 12/16/13

SAMPLE RESULTS

Lab ID: L1324994-07 Date Collected: 12/06/13 08:00

Client ID: BLIND DUP Date Received: 12/09/13

Sample Location: 301 FRANKLIN ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	1.0	J	ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	1.6	J	ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	1.6	J	ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Tentatively Identified Compounds					
Sulfur Dioxide	3.4	NJ	ug/l		1
Unknown	2.5	J	ug/l		1
Unknown Cycloaromatic	4.2	J	ug/l		1
Unknown	2.4	J	ug/l		1
Unknown	5.6	J	ug/l		1

Project Name: 301 FRANKLIN ST. SITE **Lab Number:** L1324994

Project Number: 0181-013-001 **Report Date:** 12/16/13

SAMPLE RESULTS

Lab ID: L1324994-07 Date Collected: 12/06/13 08:00

Client ID: BLIND DUP Date Received: 12/09/13

Sample Location: 301 FRANKLIN ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Unknown Cycloaromatic	6.5	J	ug/l			1
Unknown	7.7	J	ug/l			1
Unknown Cycloaromatic	4.8	J	ug/l			1
Unknown Cycloaromatic	3.5	J	ug/l			1
Unknown Naphthalene	10	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	98		70-130

Project Name: 301 FRANKLIN ST. SITE **Lab Number:** L1324994

Project Number: 0181-013-001 **Report Date:** 12/16/13

SAMPLE RESULTS

Lab ID: L1324994-08
Client ID: TRIP BLANK
Sample Location: 301 FRANKLIN ST.
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/16/13 16:46
Analyst: PD

Date Collected: 12/06/13 00:00
Date Received: 12/09/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1

Project Name: 301 FRANKLIN ST. SITE **Lab Number:** L1324994

Project Number: 0181-013-001 **Report Date:** 12/16/13

SAMPLE RESULTS

Lab ID: L1324994-08 Date Collected: 12/06/13 00:00

Client ID: TRIP BLANK Date Received: 12/09/13

Sample Location: 301 FRANKLIN ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	0.87	J	ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Project Name: 301 FRANKLIN ST. SITE **Lab Number:** L1324994

Project Number: 0181-013-001 **Report Date:** 12/16/13

SAMPLE RESULTS

Lab ID: L1324994-08 Date Collected: 12/06/13 00:00

Client ID: TRIP BLANK Date Received: 12/09/13

Sample Location: 301 FRANKLIN ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	85		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	96		70-130

Project Name: 301 FRANKLIN ST. SITE
Project Number: 0181-013-001
Lab Number: L1324994
Report Date: 12/16/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/16/13 10:34
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG659391-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70

Project Name: 301 FRANKLIN ST. SITE
Project Number: 0181-013-001
Lab Number: L1324994
Report Date: 12/16/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/16/13 10:34
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG659391-3					
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.24
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Project Name: 301 FRANKLIN ST. SITE
Project Number: 0181-013-001
Lab Number: L1324994
Report Date: 12/16/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/16/13 10:34
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG659391-3					
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 301 FRANKLIN ST. SITE

Project Number: 0181-013-001

Lab Number: L1324994

Report Date: 12/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG659391-1 WG659391-2								
Methylene chloride	97		98		70-130	1		20
1,1-Dichloroethane	93		98		70-130	5		20
Chloroform	90		97		70-130	7		20
2-Chloroethylvinyl ether	99		103		70-130	4		20
Carbon tetrachloride	89		91		63-132	2		20
1,2-Dichloropropane	100		103		70-130	3		20
Dibromochloromethane	100		102		63-130	2		20
1,1,2-Trichloroethane	105		105		70-130	0		20
Tetrachloroethene	95		102		70-130	7		20
Chlorobenzene	96		98		75-130	2		20
Trichlorofluoromethane	76		78		62-150	3		20
1,2-Dichloroethane	86		88		70-130	2		20
1,1,1-Trichloroethane	88		92		67-130	4		20
Bromodichloromethane	92		94		67-130	2		20
trans-1,3-Dichloropropene	98		101		70-130	3		20
cis-1,3-Dichloropropene	96		97		70-130	1		20
1,1-Dichloropropene	96		100		70-130	4		20
Bromoform	98		100		54-136	2		20
1,1,2,2-Tetrachloroethane	106		108		67-130	2		20
Benzene	94		100		70-130	6		20
Toluene	96		100		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 301 FRANKLIN ST. SITE

Project Number: 0181-013-001

Lab Number: L1324994

Report Date: 12/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG659391-1 WG659391-2								
Ethylbenzene	93		98		70-130	5		20
Chloromethane	**59**	Q	**62**	Q	64-130	5		20
Bromomethane	42		41		39-139	2		20
Vinyl chloride	70		72		55-140	3		20
Chloroethane	89		93		55-138	4		20
1,1-Dichloroethene	96		101		61-145	5		20
trans-1,2-Dichloroethene	101		106		70-130	5		20
Trichloroethene	94		98		70-130	4		20
1,2-Dichlorobenzene	96		99		70-130	3		20
1,3-Dichlorobenzene	99		104		70-130	5		20
1,4-Dichlorobenzene	98		100		70-130	2		20
Methyl tert butyl ether	95		95		63-130	0		20
p/m-Xylene	94		98		70-130	4		20
o-Xylene	94		98		70-130	4		20
cis-1,2-Dichloroethene	100		106		70-130	6		20
Dibromomethane	98		102		70-130	4		20
1,2,3-Trichloropropane	105		102		64-130	3		20
Acrylonitrile	100		99		70-130	1		20
Isopropyl Ether	91		93		70-130	2		20
tert-Butyl Alcohol	106		102		70-130	4		20
Styrene	97		101		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 301 FRANKLIN ST. SITE
Project Number: 0181-013-001

Lab Number: L1324994
Report Date: 12/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG659391-1 WG659391-2								
Dichlorodifluoromethane	63		65		36-147	3		20
Acetone	139		133		58-148	4		20
Carbon disulfide	84		88		51-130	5		20
2-Butanone	106		107		63-138	1		20
Vinyl acetate	95		95		70-130	0		20
4-Methyl-2-pentanone	97		99		59-130	2		20
2-Hexanone	107		106		57-130	1		20
Acrolein	102		99		40-160	3		20
Bromochloromethane	101		102		70-130	1		20
2,2-Dichloropropane	91		94		63-133	3		20
1,2-Dibromoethane	104		102		70-130	2		20
1,3-Dichloropropane	102		103		70-130	1		20
1,1,1,2-Tetrachloroethane	98		99		64-130	1		20
Bromobenzene	102		104		70-130	2		20
n-Butylbenzene	98		103		53-136	5		20
sec-Butylbenzene	97		102		70-130	5		20
tert-Butylbenzene	95		102		70-130	7		20
o-Chlorotoluene	97		101		70-130	4		20
p-Chlorotoluene	97		102		70-130	5		20
1,2-Dibromo-3-chloropropane	93		99		41-144	6		20
Hexachlorobutadiene	99		108		63-130	9		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 301 FRANKLIN ST. SITE
Project Number: 0181-013-001

Lab Number: L1324994
Report Date: 12/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG659391-1 WG659391-2								
Isopropylbenzene	96		102		70-130	6		20
p-Isopropyltoluene	95		102		70-130	7		20
Naphthalene	98		100		70-130	2		20
n-Propylbenzene	95		102		69-130	7		20
1,2,3-Trichlorobenzene	98		101		70-130	3		20
1,2,4-Trichlorobenzene	92		97		70-130	5		20
1,3,5-Trimethylbenzene	96		100		64-130	4		20
1,2,4-Trimethylbenzene	97		101		70-130	4		20
Methyl Acetate	94		95		70-130	1		20
Ethyl Acetate	90		91		70-130	1		20
Cyclohexane	83		88		70-130	6		20
Ethyl-Tert-Butyl-Ether	94		96		70-130	2		20
Tertiary-Amyl Methyl Ether	98		98		66-130	0		20
1,4-Dioxane	119		120		56-162	1		20
Freon-113	94		100		70-130	6		20
1,4-Diethylbenzene	97		101		70-130	4		20
4-Ethyltoluene	97		102		70-130	5		20
1,2,4,5-Tetramethylbenzene	89		92		70-130	3		20
Ethyl ether	109		108		59-134	1		20
trans-1,4-Dichloro-2-butene	90		91		70-130	1		20
Methyl cyclohexane	86		89		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 301 FRANKLIN ST. SITE

Project Number: 0181-013-001

Lab Number: L1324994

Report Date: 12/16/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG659391-1 WG659391-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	88		89		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	102		104		70-130
Dibromofluoromethane	97		96		70-130

Project Name: 301 FRANKLIN ST. SITE
Project Number: 0181-013-001

Lab Number: L1324994
Report Date: 12/16/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1324994-01A	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1324994-01B	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1324994-01C	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1324994-02A	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1324994-02B	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1324994-02C	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1324994-03A	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1324994-03B	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1324994-03C	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1324994-04A	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1324994-04B	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1324994-04C	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1324994-05A	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1324994-05B	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1324994-05C	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1324994-06A	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1324994-06B	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1324994-06C	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1324994-07A	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1324994-07B	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1324994-07C	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1324994-08A	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1324994-08B	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	301 FRANKLIN ST. SITE	**Lab Number:**	L1324994
Project Number:	0181-013-001	**Report Date:**	12/16/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with 'J' Qualifiers

Project Name:	301 FRANKLIN ST. SITE	**Lab Number:**	L1324994
Project Number:	0181-013-001	**Report Date:**	12/16/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	301 FRANKLIN ST. SITE	**Lab Number:**	L1324994
Project Number:	0181-013-001	**Report Date:**	12/16/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA ANALYTICAL

CHAIN OF CUSTODY

PAGE ____ OF ____

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 12/9/13

ALPHA Job #: L1324994

Client Information

Client: Turnkey Env
Address: 2558 Hamburg Turnpike Buffalo, NY 14218
Phone: 716-225-3314
Fax:
Email: bgreene@turnkeyllc.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 301 Franklin St Site
Project Location: 301 Franklin St
Project #: 0181-013-001
Project Manager: Mike Lesakowski
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 12/18/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☑ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program | Criteria

Other Project Specific Requirements/Comments/Detection Limits:

Cat B

ANALYSIS: VOCs (TCL + CP51 list + TICs) ~~(TAL)~~

SAMPLE HANDLING
Filtration ____
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	Sample Specific Comments	TOTAL # BOTTLES
24994.1	MW-1	12-6-13	1259	GW	BMG	3		3
2	MW-2	↓	1459	↓	↓	3		3
3	MW-3	↓	1340	↓	↓	3		3
4	MW-4	↓	1425	↓	↓	3		3
5	MW-5	↓	1143	↓	↓	3		3
6	MW-6	↓	1536	↓	↓	3		3
7	Blind Dup	↓	0800	↓	↓	3		3
8	Trip blank	12-6-13	0800	W	BMG	2		2

Container Type: A
Preservative: B

Relinquished By:	Date/Time	Received By:	Date/Time
Brock Greene	12-9-13/0900	MICHAEL WATTERS	12/9/13 1445
MICHAEL WATTERS	12/9/13 1800	[signature]	12/9/13 1800
[signature]	12/9/13 2000	Jim Corle	12/9/13 2000
Jim Corle	12/9/13 2220	Richard Scott	12/9/13 2220

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)