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21 July 2025

Mr. Donald Roe
New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Eastern Remedial Action
625 Broadway
Albany, New York 12233

RE: National Heatset Printing Site
Operation & Maintenance and Monitoring Report (April – June 2025)
Soil Vapor Extraction System, In-Well Stripping Systems, and Groundwater Monitoring
1 Adams Boulevard, Town of Babylon, New York
New York State Department of Environmental Conservation Site No. 152140
EA Project No. 1602518

Dear Mr. Roe:

This letter report provides an overview of the ongoing operation of the site soil vapor extraction (SVE) system at the National Heatset Printing Site in the Town of Babylon, New York (**Figure 1**). EA Engineering and Geology, P.C. (EA) initially assumed management of the onsite SVE system under New York State Department of Environmental Conservation (NYSDEC) Work Assignment Number (No.) D004441-29 in 2007. EA performed site management for the site from 2007 to February 2020 under multiple contracts; Environmental Assessments and Remediation performed site management from March to December 2020. EA is currently performing site management under NYSDEC Work Assignment No. D009806-18, which was approved on 18 November 2020. EA's assignment includes quarterly visits for the SVE system, quarterly system air sampling, and every fifth quarter groundwater sampling. The activities are being conducted under the NYSDEC State Superfund Standby Contract. Remedial system details are presented in the NYSDEC-approved Site Management Plan,[1] which includes the Operation & Maintenance (O&M) Manual for each system.

The Site Visit and SVE System Maintenance Log table shows dates during the 2nd Quarter 2025 (April – June 2025), that an O&M or site visit was performed.

[1] EA. 2022. *National Heatset Printing Co. State Superfund Site, Suffolk County, Town of Babylon, New York. Site Management Plan – Revision 1. Draft.* February.

Site Visit and SVE System Maintenance Log

Date	Purpose	Personnel
11 June 2025	Quarterly visit. System off upon arrival, but runtimer still running. Troubleshooting including replacement of fuses, service call to D&D Electric.	EA
12 June 2025	D&D Onsite to troubleshoot and repair SVE system. System restarted after electrical wire to blower repaired. Upon restart, conducted O&M on SVE System and collected quarterly vapor sample from the SVE system.	EA and D&D
18 June 2025	System off upon arrival, attempts made to diagnose/repair blower.	EA
24 June 2025	Site visit for blower diagnosis with D&D Electric, not able to be restarted. Need to return with additional parts/tools.	EA and D&D
25 June 2025	EA met with electrician for blower wiring repair, blower turned back on after repair	EA and D&D

Two quarterly vapor samples were collected from the SVE System on 12 June 2025.

1. SOIL VAPOR EXTRACTION SYSTEM OPERATION

1.1 SOIL VAPOR EXTRACTION

It is unclear how long the system was operational between 26 February 2025 and 11 June 2025. At the beginning of the 11 June 2025 O&M visit, the blower was found to be non-operational though the run timer was still recording, resulting in a false run time for this period. Following repair by D&D Electric on 12 June 2025, quarterly O&M was able to be performed. A summary of historical operational time of the SVE system and a note is presented in **Table 1**. The location of the SVE system is shown on **Figure 2**.

2. SOIL VAPOR EXTRACTION SYSTEM PERFORMANCE MONITORING

2.1 SOIL VAPOR EXTRACTION SYSTEM

Operational data for this period is based on the system measurements and vapor sample data collected during the 12 June 2025 quarterly visit. EA operated the SVE system with all five legs. Well leg 5 was pulling some water during the inspection, and flow was unable to be measured during this period; however the leg remained open as the knockout tank was not filling quickly and it was anticipated that groundwater levels would be lowering, reducing the amount of water being pulled. The SVE blower flow rate during the 12 June 2025 site visit was 201 cubic feet per minute. Vapor points at 1 Adams Boulevard were monitored on 11 June 2025 when the system was not operational and again on 12 June 2025 upon restart of the system. Vapor Point 19 (VP-

19) was inaccessible during this O&M due to facility operations. Vapor point monitoring data is included on the system data sheets, provided in **Attachment A**. A complete set of operational data collected is presented in **Table 2**.

3. RESULTS

3.1 SOIL VAPOR EXTRACTION SYSTEM

The SVE System air samples were collected on 12 June 2025 as part of the quarterly monitoring event. EA personnel collected 4-hour composite air samples from the system influent and effluent using Summa® canisters and submitted the samples to ALS Environmental for analysis for volatile organic compounds via U.S. Environmental Protection Agency Method TO-15. Although it could not be estimated for this period, maximum potential discharge of tetrachloroethene, trichloroethene, and dichloroethene based on the analytical data and 100% operational time would have been a negligible amount toward the permitted annual discharge limits of 270 pounds (lb), 120 lb, and 5,510 lb, respectively. A summary of the field monitoring results and laboratory air discharge analytical results are presented in **Table 2;** recovery rates were not able to be estimated for this quarter. Laboratory data reports are presented in **Attachment B**.

4. CONCLUSIONS AND RECOMMENDATIONS

EA recommends continued operation of the SVE system with more frequent checks until the system is operating more reliably. Historical TCE and DCE concentrations in the effluent are equal to, or higher than, influent concentrations, indicating that the granular activated carbon is saturated and has reached its absorption capacity. Contaminant mass recovery has decreased to the point where emissions without treatment are within the permissible limits (6 New York Code of Rules and Regulations Part 212-2.2 Table 2). EA will be coordinating the removal of the spent carbon without replacement in the coming months.

Both onsite density-driven convection (DDC) Systems and the offsite DDC System have been shut down and remain off, as recommended in the Corrective Measures Work Plan[2] prepared by EA and approved by NYSDEC. Remedial Site Optimization investigation activities are being conducted as detailed in the work plan prepared by EA.

Please do not hesitate to contact me at 315-565-6557 with any questions you might have regarding this report.

2 EA. 2022. *Corrective Measures Work Plan*. January.

Sincerely,

Megan Miller, EIT
Project Manager

Tables

1	Treatment System Run Time
2	Summary of Estimated Recovery Rate via Soil Vapor Extraction System

Figures

1	Site Location Map
2	Onsite Treatment System Location SVE System

Attachments

A	System Data Sheets and Daily Field Reports
B	Laboratory Analytical Data – System Vapor Samples

Tables

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Table 1. Treatment System Run Time

System Readings						
		SVE System				
		SVE Blower				
Date	Notes	Meter Reading (Hours)	Time	Elapsed Runtime (Hours)	Elapsed Available (Hours)	Runtime (%)
08/22/22		62717.91	16:48	3317	3318	100
Quarterly Run-Time				**3317**	**3318**	**100**
11/30/22		65110.00	7:30	2393	2393	100
Quarterly Run-Time				**2393**	**2393**	**100**
02/21/23		67105.41	10:23	1995	1995	100
Quarterly Run-Time				**1995**	**1995**	**100**
04/26/23		68644.87	11:00	3535	3532	100
Quarterly Run-Time				**3535**	**3532**	**100**
07/13/23		70508.46	11:00	1864	1872	99.6
Quarterly Run-Time				**1864**	**1872**	**99.6**
11/20/23		73637.21	12:30	3129	3122	100
Quarterly Run-Time				**3129**	**3122**	**100**
02/16/24		75744.64	8:00	2107	2108	100
Quarterly Run-Time				**2107**	**2108**	**100**
05/16/24		76749.99	7:30	1005	2159	47
Quarterly Run-Time				**1005**	**2159**	**47**
09/12/24		76843.65	13:00	94	2861	3
Quarterly Run-Time				**94**	**2861**	**3**
12/18/24		78040.25	9:10	1197	2324	52
Quarterly Run-Time				**1197**	**2324**	**52**
02/26/25		79723.98	13:00	1684	1684	100
Quarterly Run-Time				**1684**	**1684**	**100**
06/12/25		82238.39	7:40	*	2539	*
Quarterly Run-Time				**--**	**--**	**--**

Notes:

* Run timer was witnessed running while the system was not operating. System run time is not available for this quarter.

% = Percent

Shaded cells indicate O&M events performed during a previous reporting period.

Table 2. Summary of Estimated Recovery Rate via Soil Vapor Extraction System

Date	Field/System Data			Elapsed Run-Time (day)	Laboratory Results						Mass Discharged						Recovery Based on Laboratory Results					
					SYS INFLUENT			SYS EFFLUENT														
	SVE Blower Flow Rate (cfm)	Applied Vacuum (in. H_20)	System Discharge VOC Concentration (ppmv)		PCE (mg/m^3)	TCE (mg/m^3)	*cis* -1,2-DCE (mg/m^3)	PCE (mg/m^3)	TCE (mg/m^3)	*cis* -1,2-DCE (mg/m^3)	PCE Discharge During Period: lb/hr	PCE Discharge During Period (lb)	TCE Discharge During Period (lb/hr)	TCE Discharge During Period (lb)	*cis* -1,2-DCE Discharge During Period (lb/hr)	*cis* -1,2-DCE Discharge During Period (lb)	PCE Recovery During Period: lb/hr	PCE Recovery During Period (lb)	TCE Recovery During Period (lb/hr)	TCE Recovery During Period (lb)	*cis* -1,2-DCE Recovery During Period (lb/hr)	*cis* -1,2-DCE Recovery During Period (lb)
01/26/21	160	80	0.12	25	0.1490	0.0097	0.00595	0.01080	0.0008	0.0075	0.0000	0.0000	0.0000	0.0057	0.0000	0.0519	0.0001	1.0267	0.0000	0.0666	0.0000	0.0023
02/24/21	160	80	0.02	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/25/21	160	80	0.01	11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/19/21	173	75	0.00	47	0.0062	0.0011	0.0031	0.0052	0.0003	0.0166	0.0000	0.0144	0.0000	0.0007	0.00001	0.0457	0.0000	0.0172	0.0000	0.0029	0.0000	0.0084
05/19/21	250	70	0.00	24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/15/21	250	68	0.00	66	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/20/21	250	67	0.00	30	0.0024	0.0016	0.0048	0.0011	0.0002	0.0103	0.0000	0.0034	0.0000	0.0005	0.00001	0.0324	0.0000	0.0077	0.0000	0.0049	0.0000	0.0150
08/18/21	250	16	0.00	81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/22/21	250	64	0.00	29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/20/21	250	64	0.00	99	0.0841	0.0086	0.0075	0.0026	0.0002	0.0159	0.0000	0.0122	0.0000	0.0008	0.00001	0.0754	0.0001	0.3989	0.0000	0.0408	0.0000	0.0357
11/18/21	250	60	0.00	29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/14/21	250	51	0.00	83	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
01/18/22	250	61	0.00	35	0.0115	0.0048	0.0052	0.0008	0.0002	0.0020	0.0000	0.0006	0.0000	0.0001	0.00000	0.0016	0.0000	0.0090	0.0000	0.0037	0.0000	0.0040
04/06/22	230	58	0.00	29	0.0482	0.0047	0.0044	0.0044	0.0012	0.0198	0.0000	0.0027	0.0000	0.0007	0.00002	0.0120	0.0000	0.0291	0.0000	0.0028	0.0000	0.0026
08/22/22	241	50	0.00	138	0.3510	0.0564	0.0452	0.0332	0.0699	0.0186	0.0000	0.0995	0.0001	0.2095	0.00002	0.0557	0.0003	1.0519	0.0001	0.1690	0.0000	0.1355
11/30/22	224	5	0.00	100	0.0319	0.0091	0.0044	0.0610	0.0285	0.0139	0.0001	0.1226	0.0000	0.0573	0.00001	0.0279	0.0000	0.0641	0.0000	0.1219	0.0000	0.0088
02/21/23	323	50	0.00	83	0.0556	0.0037	0.0022	0.0448	0.0274	0.0048	0.0001	0.1082	0.0000	0.0662	0.00001	0.0115	0.0001	0.1343	0.0000	0.0090	0.0000	0.0054
4/26/2023	266	60	0.00	147	0.0089	0.0029	0.0022	0.0330	0.0160	0.0023	0.0000	0.1163	0.0000	0.0564	0.00000	0.0081	0.0000	0.0314	0.0000	0.0102	0.0000	0.0078
7/13/2023	591	60	0.00	78	0.2600	0.0520	0.0150	0.0490	0.0770	0.0120	0.0001	0.2024	0.0002	0.3180	0.00003	0.0496	0.0006	1.0738	0.0001	0.2148	0.0000	0.0619
11/20/2023	205	60	0.00	130	0.0710	0.0170	0.0047	0.0360	0.0520	0.0092	0.0000	0.0868	0.0000	0.1253	0.00001	0.0222	0.0001	0.1711	0.0000	0.0410	0.0000	0.0113
2/16/2024	503	60	0.00	88	1.4000	0.0350	0.0088	0.0490	0.0200	0.0009	0.0001	0.1947	0.0000	0.0795	0.00000	0.0035	0.0026	5.5626	0.0001	0.1391	0.0000	0.0350
5/16/2024	298	30	50.80	42	0.0180	0.0072	0.0012	0.9300	0.0025	0.0000	0.0010	1.0442	0.0000	0.0028	0.00000	0.0000	0.0000	0.0202	0.0000	0.0081	0.0000	0.0013
9/12/2024	232	40	0.00	4	0.0000	0.0000	0.0000	0.0015	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.00000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/18/2024	376	60	0.40	50	0.5580	0.0216	0.0053	0.3150	0.1020	0.0218	0.0004	0.5313	0.0001	0.1720	0.00003	0.0368	0.0008	0.9412	0.0000	0.0364	0.0000	0.0089
2/26/2025[1]	253	45	1.40	70	0.2900	0.0250	0.0053	--	--	--	0.0003	0.4632	0.0000	0.0399	0.00001	0.0085	0.0003	0.4632	0.0000	0.0399	0.0000	0.0085
6/12/2025	201	32	0.00	---	0.3600	0.0420	0.0000	0.3400	0.1200	0.0750	0.0003	---	0.0001	---	0.00006	---	0.0003	0.0000	0.0000	0.0000	--	--
										PERIOD TOTALS =	**0.0000**		**0.0000**		**0.0000**		**0.0000**		**0.0000**		**0.0000**

Notes:

cfm = Cubic foot (feet) per minute
cis -1,2-DCE = cis-1,2-Dichloroethene
in. H_20 = Inch(es) of water
lb = Pound(s)
lb/hr = Pound(s) per hour
mg/m^3 = Milligram(s) per cubic meter
PCE = Tetrachloroethylene
ppmv = Part(s) per million (vol./vol.)
SVE = Soil vapor extraction
TCE = Trichloroethene
1 = Due to issues with effluent air canister flow regulator, only influent sample collected and used to represent maximum potential mass discharged.

Mass Recovery (Lab Res., lb/hr) = flow (cfm)*effluent conc. (mg/cu. m.)*1g/1000mg*1lb/453.6g*1cu. m./35.31cu. ft*60min/1 hr
Mass Recovery (Lab Res., lb) = Discharge Rate (lb/hr) * # of days*24hours/day
Mass emission limit for PCE is 1,000 lb/yr; TCE is 500 lb/year (6 NYCRR Part 212-2.2 Table 2)
Effluent data not available for 2/26/2025 due to error with air cansister.
Run time and estimated recovery rates for Q2 2025 not available due to timer running while system was not operational.
Shaded cells indicate O&M events performed during a previous reporting period.

Figures

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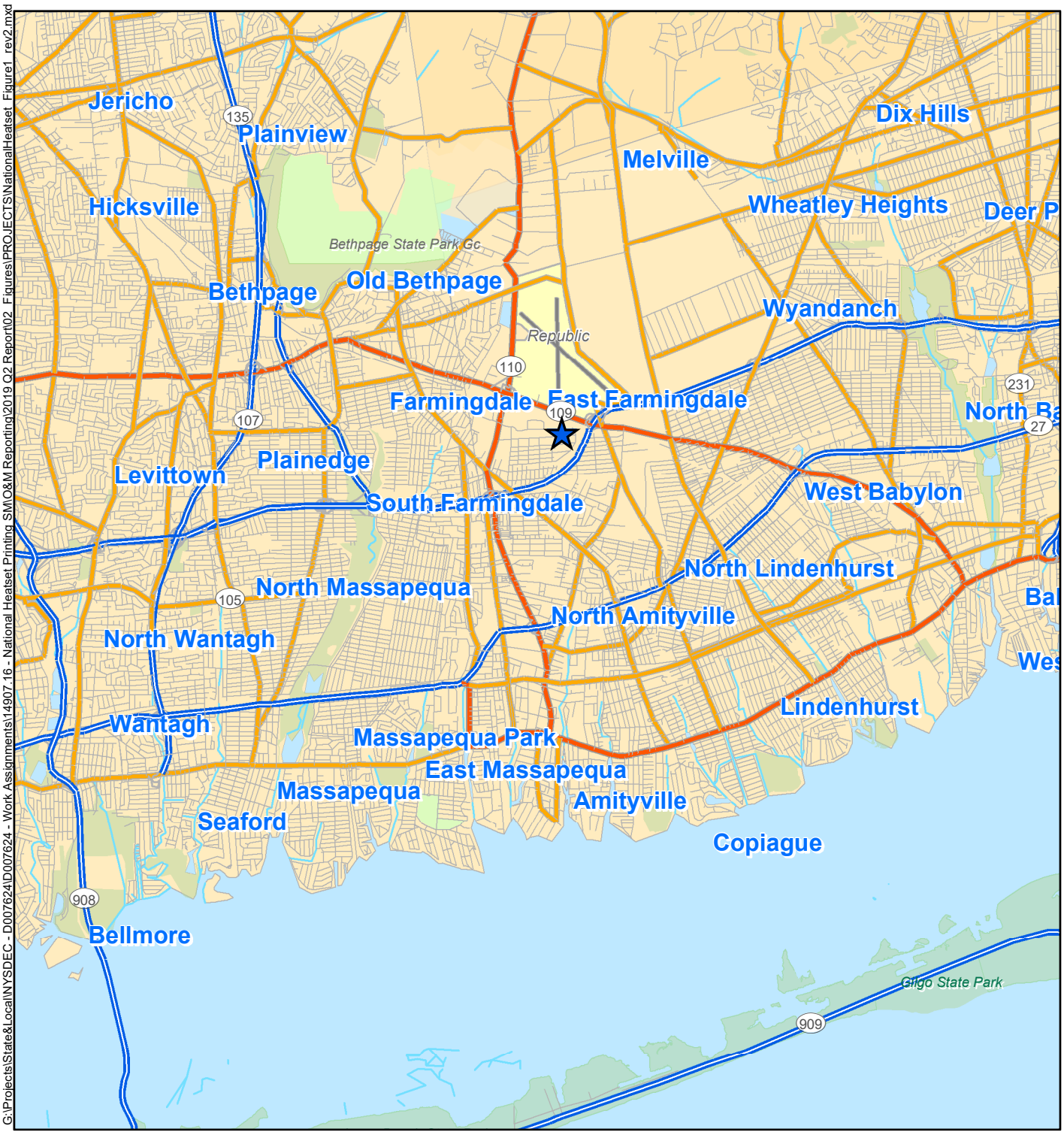

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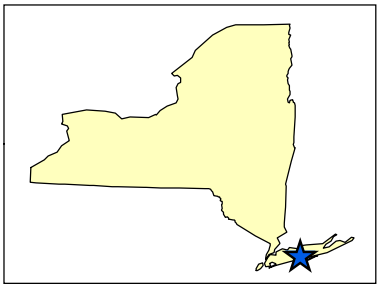


0 0.5 1 2
Miles

1 inch = 1.5 miles

N

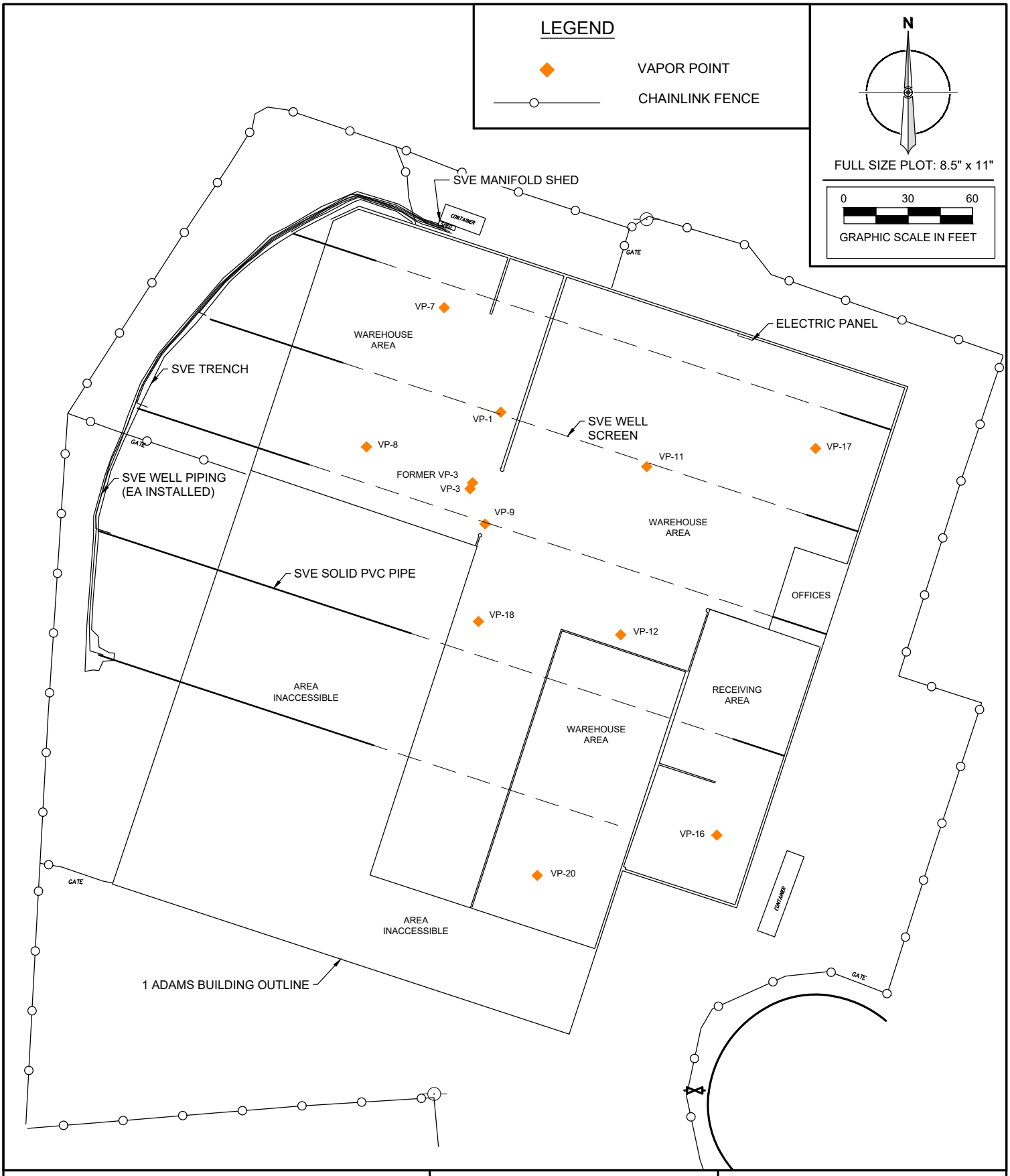
Legend

★ Site Location

Figure 1
SITE LOCATION MAP
NATIONAL HEATSET SITE (152140)
BABYLON, NEW YORK
SUFFOLK COUNTY

Map Date: 1/27/2020
Source: ESRI, 2011

NEW YORK STATE | Department of Environmental Conservation



EA Engineering, P.C. and Its Affiliate EA Science and Technology

269 W Jefferson Street
Syracuse, New York 13202
(315) 431-4610

www.eaest.com

PROJECT NAME
NATIONAL HEATSET SITE (152140)

PROJECT ADDRESS
BABYLON, SUFFOLK COUNTY, NEW YORK

DRAWING TITLE
ONSITE TREATMENT SYSTEM LOCATION
SVE SYSTEM

FIGURE
2

DRAWING INFORMATION	DRAWN BY: KK	DESIGNED BY: MM	CHECKED BY: MM	PROJECT MANAGER: MM	DATE: 12 JUNE 2023	PROJECT NO: 1602518

FILE PATH: \\SYRACUSEFP\SYRACUSE\PROJECTS\STATE&LOCAL\NYSDEC - D009806\WORK ASSIGNMENTS\1602518_NATIONAL HEATSET PRINTING CO._SM\08_CAD\NATIONALHEATSET_FIGURE2_ONSITE SVE SYSTEM.DWG [FIGURE 2] KATZER, KATHRYN 6/12/2023 1:15 PM

Attachment A

System Data Sheets and Daily Field Reports

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National Heatset Printing Site (152140)
Farmingdale, NY

Soil Vapor Extraction System
Operation and Monitoring Form

Personnel: H. Bedell, E. Cummings, C. Derrick
Arrival Time: 7:40
Departure Time: 15:10
Date: 6/12/25
Run Timer Reading: 82238.39
Last Run Timer Reading: 79723.98
Weather: 80 F, Sunny, 9 mph SW
Time/Date of Last Reading: 2/26/25 @ 13:00

System Status (On/Off/Alarms)

Arrival: System off
Departure: System on
Knockout Tank Drained? No # Gallons 0
Dilution Valve: 0 % Open

System Monitoring Data

Well Legs	Valve Position	Vacuum (in H2O)	Flow		PID (ppm)	
	Open or Closed	From Fluke	FPM from Velocicalc**	CFM from Velocicalc based on 2" pipe size		
1	Open	-11.4	--	20	2.6	
2	Open	-6.5	--	91	1.8	
3	Open	-5.1	--	52	1.4	
4	Open	-4.5	--	38	1.4	
5	Open	-4.3	--	--	1.3	Water present, unable to measure flow
			Total flow =	201		

Vacuum on well legs typically ranges from -4 to -12 in H2O
**FPM values will bounce around choose an average and round up or down as appropriate

System Component	Temp. (°F)	Pressure (+)/ Vacuum (-) (in H2O)		Flow (CFM)	PID (ppm)
	Velocicalc		Instrument	Velocicalc	
Inlet Line	94.3				
Blower Inlet (Vacuum)	(60-70 °F)	-42.5 (-30 to-70 in H2O)	Gauge		
Blower Outlet (Pressure)	176	41 before tanks	Magnehelic		
Carbon Inlet	171.9	43	Magnehelic	176	4.1
Mid	109.1	7.82	Fluke	196	0.4
Carbon Effluent	89.2	3.57	Fluke	163	0.3
System Effluent		2.46	Fluke		

** Mark blower vacuum and flowrate on curve.

Vapor Samples

Influent — **Air Sample** — Start Time 1144 — End Time 1249
Initial (in. Hg) -29.5 — Final (in. Hg) -5

Effluent — **Air Sample** — Start Time 1144 — End Time 1455
Initial (in. Hg) -27 — Final (in. Hg) -9

Vapor Point Monitoring

ID	PID (ppm)	Vacuum (in. H2O)	Notes	ID	PID (ppm)	Vacuum (in. H2O)	Notes
VP-1	0.8	-0.655		VP-13	0.7	-0.193	
VP-3	0.8	-0.556		VP-16	0.9	-0.075	
VP-7	0.8	-0.163		VP-17	0.9	-0.149	
VP-8	1.0	-0.707		VP-18	0.9	-0.503	
VP-10	0.7	-0.387		VP-19	Inaccessible		
VP-11	0.7	-0.512		VP-20	1.0	-0.255	
VP-12	0.7	-0.323					

Comments: Although system was off upon arrival, the run timmer was still going, therefore the run time does not reflect the actual system run time

Contact #s
Site Access 516-343-0774 *give at least 24 hours notice
D&D 631-991-3001 electrician

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Contract No.
DEC PM – Payson Long
Engineer PM – Megan Miller
Engineer Insp. – Hannah Bedell

Site Location: Farmingdale, NY

Weather Conditions

General Description	Sunny	AM	Sunny	PM
Temperature	68°F	AM	75°F	PM
Wind	6 mph S	AM	4 mph S	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No X	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No X	NA

Health & Safety Comments

Wear ear and eye protection when conducting O&M on the system.

Summary of Work Performed	Arrived at site:	0815	Departed Site:	1400

(0815) H. Bedell, E. Cummings & C. Derrick (EA) arrive at 1 Adams Blvd for SVE system O&M. System was off upon arrival. According to run timer readings between site visits, the system shut down sometime between 6/10/25 and 6/11/25
(0830) Begin troubleshooting system.
(1000) Offsite to purchase supplies to potentially repair/restart system
(1100) Service call placed to D&D electric
(1200) Took readings at vapor points inside the 1 Adams Blvd property and installed new vapor point caps
(1230) Replaced fuses and still unable to restart system
(1400) Everyone offsite. D&D will be onsite tomorrow (6/12) to look at system and try to restart.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Hannah Bedell	EA	Engineer	5.75
Emily Cummings	EA	Engineer	5.75
Cassie Derrick	EA	Geologist	5.75

Equipment Description	Contractor/Vendor	Quantity	Used
2023 Ford Expedition	EA	1	Yes
Fluke	EA	1	Yes
Honeywell MiniRAE 3000+	Pine	1	Yes
Velocicalc	Pine	1	No
Gil Air Pump	Pine	1	No
Assorted hand tools	EA	-	Yes

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

.

NA

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
N/A		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
Hannah Bedell	EA

Project Schedule Comments

N/A

Issues Pending

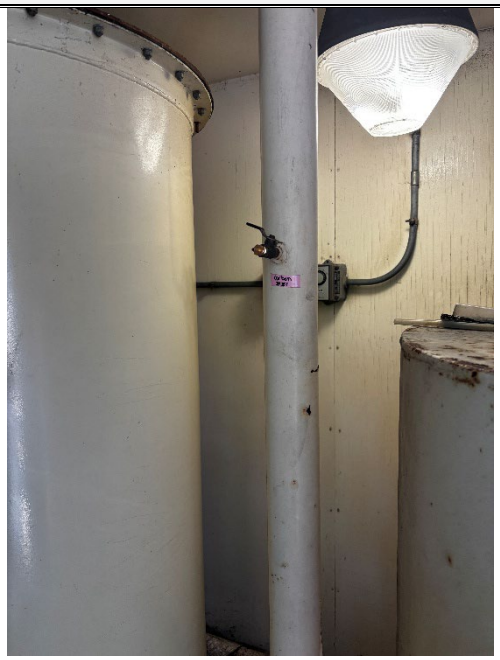
Awaiting electrician to come to site and look at/troubleshoot system and restart.
Air samples will be collected once system is restarted.

Interaction with Public, Property Owners, Media, etc.

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)

Carbon treatment effluent sample port



Carbon treatment influent sample port

New vapor point caps installed inside 1 Adams Blvd for better reading collection

Comments	
N/A	
Site Inspector(s): Hannah Bedell	**Date: 06/11/2025**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐

On-Site Waste Storage

Drums, roll offs and piles are staged in secure areas?	Yes ☐	No ☐	N/A☒
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☐	No ☐	N/A☒
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A☒
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☒	No ☐	N/A☐
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☒	No ☐	N/A☐
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☒	No ☐	N/A☐
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: None.			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☐	N/A☒
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: None.			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☒	N/A☐
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☒	No ☐	N/A☐
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Comments: None.			

* BART – Best Available Retrofit Technology

DAILY INSPECTION REPORT

National Heatset Printing Co. RSO, Site No. 152140 **Date: 6/12/2025**

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Contract No.

DEC PM – Payson Long

Engineer PM – Megan Miller

Engineer Insp. – Hannah Bedell

Site Location: Farmingdale, NY

Weather Conditions

General Description	Sunny	AM	Sunny	PM
Temperature	71ºF	AM	83°F	PM
Wind	9 mph SW	AM	5 mph SW	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No X	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No X	NA

Health & Safety Comments

Wear ear and eye protection when conducting O&M on the system, be aware of heat stress.

Summary of Work Performed	Arrived at site:	0740	Departed Site:	1510

(0740) H. Bedell, E. Cummings & C. Derrick (EA) arrive at 1 Adams Blvd for SVE system O&M.
(0915) D&D Electric onsite to troubleshoot and repair system. Determined that fuses replaced by EA on 6/11 were operating and control panel was operating properly; however, wiring running from a junction box after the control panel to the blower was shorting/no longer operational—therefore power was not getting to the blower motor from the control box.
(1100) System restarted after D&D repaired electrical wire to blower
(1115) Take system readings at carbon influent, mid (between two vessels), and carbon effluent.
(1144) Start air canister collection at influent and effluent points.
Influent Start Pressure: -29.5" Hg
Note: Influent regulator was cross threaded on the canister causing the canister to leak and partially fill with ambient air. Stopped sample collection, reconnected and restarted sample collection.
Effluent Start Pressure: -27" Hg
(1200) Take remaining system readings and HSVE well leg readings.
(1249) End sample collection at carbon influent
Influent End Pressure: -5" Hg
(1330) Take vapor point readings inside 1 Adams Blvd
(1455) End sample collection at carbon effluent
Effluent End Pressure: -9" Hg
(1510) EA offsite. System running on departure.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Hannah Bedell	EA	Engineer	7.5
Emily Cummings	EA	Engineer	7.5
Cassie Derrick	EA	Geologist	7.5

Equipment Description	Contractor/Vendor	Quantity	Used
2023 Ford Expedition	EA	1	Yes
Fluke	EA	1	Yes
Honeywell MiniRAE 3000+	Pine	1	Yes
Velocicalc	Pine	1	Yes
Gil Air Pump	Pine	1	Yes
Assorted hand tools	EA	-	Yes

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

N/A

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
N/A		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
Hannah Bedell	EA

Project Schedule Comments

N/A

Issues Pending

N/A

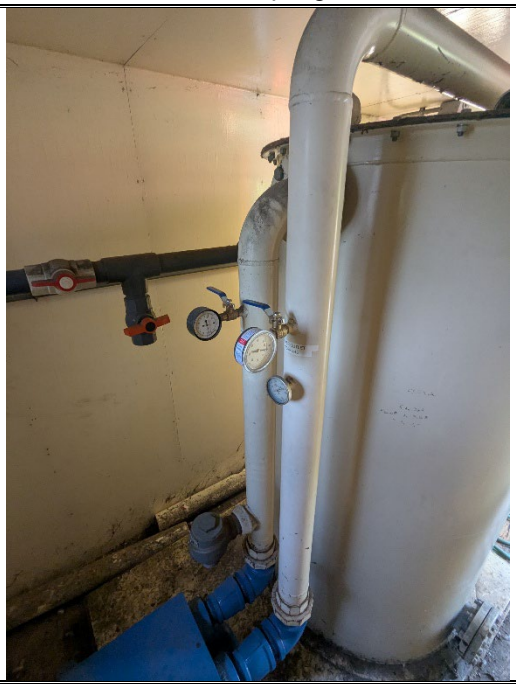
Interaction with Public, Property Owners, Media, etc.

Coordinated site access with Dan of MediCycle, the current tenant of 1 Adams Blvd.

Site Photographs (Descriptions Below)

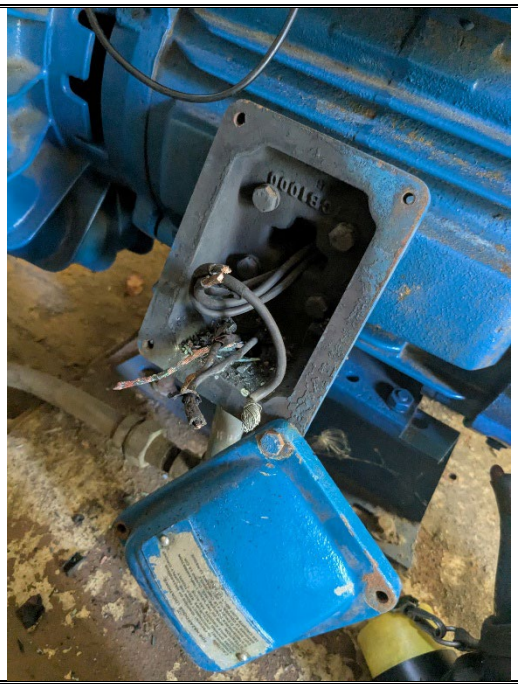
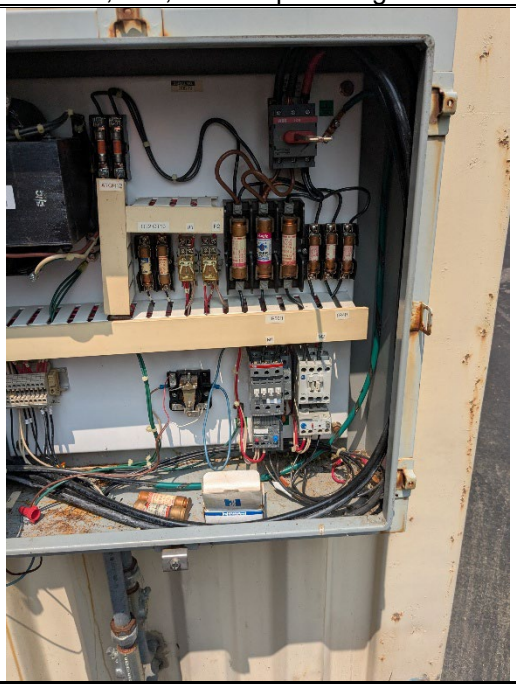
Influent Air Sampling Canister

Effluent Air Sampling Canister



Vacuum and Pressure Gauges added to ball valve ports on Blower Inlet and Outlet lines

Pitot Tube on outlet piping from second carbon vessel (discharge line / system effluent) renamed as System Outlet Differential Pressure for clarity.

	
System Inlet Port before blower and dilution Valve to collect flow, PID, and temp readings as needed.	Blower wiring damaged; Replaced by D&D.
	
Control panel fuses and switches; EA tested and replaced on 6/11/25, D&D tested and confirmed functionality of fuses on 6/12/25	

Comments

N/A

Site Inspector(s): Hannah Bedell	**Date: 06/12/2025**

DAILY INSPECTION REPORT

National Heatset Printing Co. RSO, Site No. 152140 **Date: 6/18/2025**

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Contract No.

DEC PM – Payson Long

Engineer PM – Megan Miller

Engineer Insp. – Hannah Bedell

Site Location: Farmingdale, NY

Weather Conditions				
General Description		AM	Sunny	PM
Temperature		AM	79°F	PM
Wind		AM	10 mph SSW	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No X	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No X	NA

Health & Safety Comments

Use caution around the system as it may be hot. Be aware of heat stress.

Summary of Work Performed	Arrived at site:	1640	Departed Site:	1710

(1640) C. Derrick and M. Mooney (EA) onsite.
(1643) Turn off system, note blower is not operational at time of arrival to site. Totalizer reads 82,250 hours and 13 min.
(1645) Attempt to drain tank- no water to drain. Note piping in system building is cool, thermometer attached to piping reads a temperature of 72F.
(1650) Attempt to troubleshoot and turn blower on, unsuccessful.
(1655) Totalizer does not continue to run when blower is switched to "auto" or "hand." Turn off blower. Leave only the fan on.
(1710) EA offsite.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Cassie Derrick	EA	Geologist	0.5
Maggie Mooney	EA	Intern	0.5

Equipment Description	Contractor/Vendor	Quantity	Used

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

N/A

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
N/A		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing

Project Schedule Comments

N/A

Issues Pending

N/A

Interaction with Public, Property Owners, Media, etc.

Coordinated site access with Dan of MediCycle, the current tenant of 1 Adams Blvd.

Site Photographs (Descriptions Below)

Totalizer reading upon arrival.

Hose in closed position.

Hose in open position.

Hose stored in system building.

Comments

N/A

Site Personnel: Cassie Derrick, Maggie Mooney	**Date: 06/18/2025**

DAILY INSPECTION REPORT

National Heatset Printing Co. RSO, Site No. 152140

Date: 6/24/2025

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Contract No.

DEC PM – Payson Long

Engineer PM – Megan Miller

Engineer Insp. – Hannah Bedell

Site Location: Farmingdale, NY

Weather Conditions				
General Description	Sunny	AM		PM
Temperature	95°F	AM		PM
Wind	4 mph N	AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No X	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No X	NA

Health & Safety Comments

Use caution around the system as it may be hot. Be aware of heat stress.

Summary of Work Performed	Arrived at site:	1400	Departed Site:	1500

(1400) EA (A. Stoogenke & L. Mahar) On-site
(1405) Met with D&D, who began working on the system.
(1430) D&D communicates with EA that they cannot turn system on today, can return tomorrow with appropriate tools to try again.
(1435) D&D communicates to EA that another part may be needed.
(1445) EA attempts trouble shooting issue (unsuccessful)
(1500) EA off site

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Alex Stoogenke	EA	Scientist	1
Liam Mahar	EA	Scientist	1

Equipment Description	Contractor/Vendor	Quantity	Used

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

N/A

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
N/A		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing

Project Schedule Comments

N/A

Issues Pending

N/A

Interaction with Public, Property Owners, Media, etc.

N/A

Site Photographs (Descriptions Below)	
	
D&D onsite	D&D trouble shooting
	
Site view from EA vehicle	

Comments	
N/A	
Site Personnel: Alex Stoogenke, Liam Mahar	**Date: 06/24/2025**

DAILY INSPECTION REPORT

National Heatset Printing Co. RSO, Site No. 152140 **Date: 6/25/2025**

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Contract No.

DEC PM – Donald Roe

Engineer PM – Megan Miller

Engineer Insp. – NA

Site Location: Farmingdale, NY

Weather Conditions				
General Description	Sunny	AM		PM
Temperature	95°F	AM		PM
Wind	4 mph N	AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No X	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No X	NA

Health & Safety Comments

Use caution around the system as it may be hot. Be aware of heat stress.

Summary of Work Performed	Arrived at site:	0900	Departed Site:	1000

(0900) EA (A.Stoogenke, L. Mahar) on-site
(0920) EA and D&D are let through the gate
(0925) D&D begin working; reconnect loose wire on electric panel of blower.
(0940) System is turned on
(1000) EA stays for 20 mins to confirm system stays on, EA offsite.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Alex Stoogenke	EA	Scientist	1
Liam Mahar	EA	Scientist	1

Equipment Description	Contractor/Vendor	Quantity	Used

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

N/A

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
N/A		**Yes**	**No**

Site Representatives	
Name	**Representing**

Project Schedule Comments
N/A

Issues Pending
N/A

Interaction with Public, Property Owners, Media, etc.
N/A

Site Photographs (Descriptions Below)

Two D&D vehicles on site

D&D at work

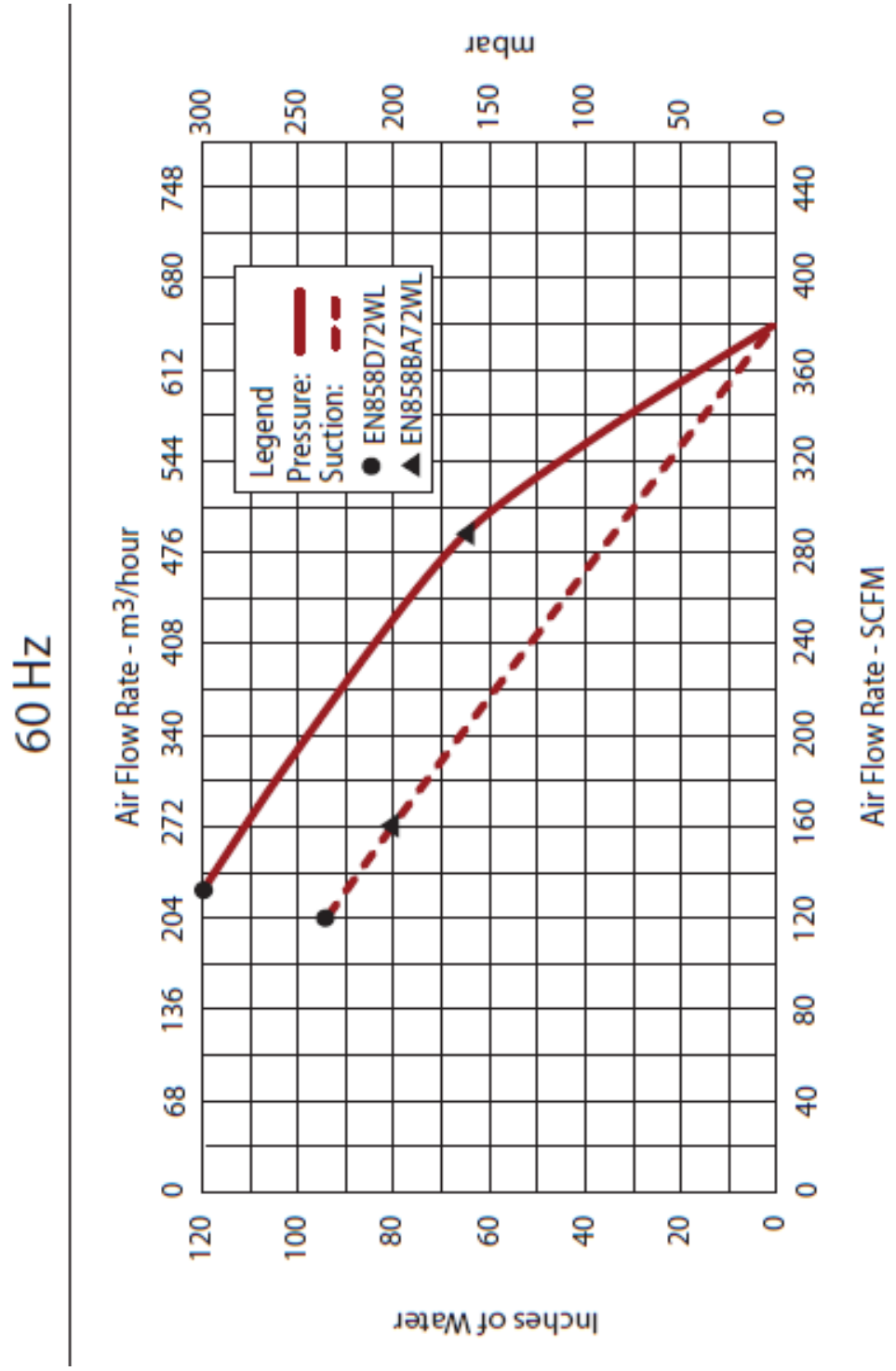
System E.T.M reading for 6/25/25

Comments

N/A

Site Personnel: Alex Stoogenke, Liam Mahar

Date: 06/25/2025


60 Hz
Air Flow Rate - m3/hour
0
68
136
204
272
340
408
476
544
612
680
748
Air Flow Rate - SCFM
0
40
80
120
160
200
240
280
320
360
400
440
Inches of Water
120
100
80
60
40
20
0
mbar
300
250
200
150
100
50
0
Legend
Pressure:
Suction:
EN858D72WL
EN858BA72WL

Attachment B

Laboratory Analytical Data – System Vapor Samples

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ALS Environmental
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Simi Valley, CA 93065
T +1 805 526 7161

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LABORATORY REPORT

June 30, 2025

Megan Miller
EA Engineering, Science, and Technology
6731 Collamer Road, Suite 2
East Syracuse, NY 13057

RE: National Heatset Printing / EA: 1602518 NYSDEC: 152140

Dear Megan:

Enclosed are the results of the samples submitted to our laboratory on June 16, 2025. For your reference, these analyses have been assigned our service request number P2502174.

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

If you have any questions, please call me at (805) 526-7161.

ALS | Environmental

By Sue Anderson at 11:54 am, Jun 30, 2025

For Sarah Mock
Project Manager

ALS Environmental
2655 Park Center Dr., Suite A
Simi Valley, CA 93065
T +1 805 526 7161

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Client: EA Engineering, Science, and Technology
Project: National Heatset Printing / EA: 1602518 NYSDEC: 152140

Service Request No: P2502174
New York Lab ID: 11221

CASE NARRATIVE

The samples were received intact under chain of custody on June 16, 2025 and were stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time of sample receipt.

Volatile Organic Compound Analysis

The samples were analyzed for volatile organic compounds in accordance with EPA Method TO-15 from the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition (EPA/625/R-96/010b), January, 1999. This procedure is described in laboratory SOP VOA-TO15. The analytical system was comprised of a gas chromatograph/mass spectrometer (GC/MS) interfaced to a whole-air preconcentrator. This method is included on the laboratory's NELAP and DoD-ELAP scope of accreditation. Any analytes flagged with an X are not included on the NELAP or DoD-ELAP accreditation.

The minimum criterion for methyl tert-butyl ether was not met in the Continuing Calibration Verification (CCV) analyzed on June 28, 2025. In accordance with ALS Environmental standard operating procedures, a Method Reporting Limit (MRL) check standard containing the analyte of concern was analyzed each day of analysis. The MRL check standard verified that instrument sensitivity was adequate to detect the analyte at the MRL on the day of analysis. Because the sensitivity was shown to be adequate to detect the compound in question and the compound was not detected in the field samples, the data quality has not been significantly affected. This procedure is a quantitative confirmation of non-detect results at or below the MRL. The data has been flagged accordingly. No further corrective action was taken.

The containers were cleaned, prior to sampling, down to the method reporting limit (MRL) reported for this project. For projects requiring DoD QSM 5.4 compliance canisters were cleaned to <1/2 the MRL. Please note, projects which require reporting below the MRL could have results between the MRL and method detection limit (MDL) that are biased high.

ALS Environmental
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Simi Valley, CA 93065
T +1 805 526 7161

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CERTIFICATIONS, ACCREDITATIONS, AND REGISTRATIONS

Agency	Web Site	Number
Alaska DEC	https://dec.alaska.gov/spar/csp/lab-approval/list-of-approved-labs	17-019
Arizona DHS	http://www.azdhs.gov/preparedness/state-laboratory/lab-licensure-certification/index.php#laboratory-licensure-home	AZ0694
Florida DOH (NELAP)	http://www.floridahealth.gov/licensing-and-regulation/environmental-laboratories/index.html	E871020
Louisiana DEQ (NELAP)	https://internet.deq.louisiana.gov/portal/divisions/lelap/accredited-laboratories	203013
Maine DHHS	http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/professionals/labCert.shtm	CA012627
Minnesota DOH (NELAP)	http://www.health.state.mn.us/accreditation	006-999-456
New Jersey DEP (NELAP)	https://dep.nj.gov/dsr/oqa/certified-laboratories/	CA009
New York DOH (NELAP)	http://www.wadsworth.org/labcert/elap/elap.html	11221
Oklahoma DEQ (NELAP)	labaccreditation.deq.ok.gov/labaccreditation/	2207
Oregon PHD (NELAP)	http://www.oregon.gov/oha/ph/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	4068
Pennsylvania DEP	hhttp://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx	68-03307 (Registration only)
PJLA (DoD ELAP)	http://www.pjlabs.com/search-accredited-labs	65818 (Testing)
Texas CEQ (NELAP)	http://www.tceq.texas.gov/agency/qa/env_lab_accreditation.html	T104704413
Utah DOH (NELAP)	https://uphl.utah.gov/certifications/environmental-laboratory-certification/	CA01627
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C946

Analyses were performed according to our laboratory's NELAP and DoD-ELAP approved quality assurance program. A complete listing of specific NELAP and DoD-ELAP certified analytes can be found in the certifications section at www.alsglobal.com, or at the accreditation body's website.

Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact the laboratory for information corresponding to a particular certification.

ALS ENVIRONMENTAL

DETAIL SUMMARY REPORT

Client: EA Engineering, Science, and Technology Service Request: P2502174

Project ID: National Heatset Printing / EA: 1602518 NYSDEC: 152140

Date Received: 6/16/2025

Time Received: 09:03

Client Sample ID	Lab Code	Matrix	Date Collected	Time Collected	Container ID	Pi1 (psig)	Pfl (psig)	TO-15 - VOC Cans
152140-Influent-20250612	P2502174-001	Air	6/12/2025	12:49	SC00105	-2.61	3.73	X
152140-Effluent-20250612	P2502174-002	Air	6/12/2025	14:55	SC02226	-4.71	3.95	X

ALS Environmental

2655 Park Center Drive, Suite A
Simi Valley, CA 93065
Phone (805) 526-7161

Air - Chain of Custody Record & Analytical Service Request

Requested Turnaround Time in Business Days (Surcharges) please circle
1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) ~~10 Day-Standard~~

ALS Project No. P250 2174

Company Name & Address (Reporting Information)
EA Engineering
333 W. Washington St. Syracuse, NY 13202

Project Name
National Heatset Printing

Project Number
EA: 1602518 NYSDEC: 152140

Project Manager
Megan Miller

P.O. # / Billing Information
1602518

Phone
(716) 680-2618

Fax

Email Address for Result Reporting
mmiller@eaest.com and haleyyoung@eaest.com

Sampler (Print & Sign)
Hannah Bedell

ALS Contact:

Analysis Method

TO-15

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg/psig	Sample Volume
152140-INFLUENT-20250612		6/12/25	1249	SC00106	OA00719	-29.5	-5	6L
152140-EFFLUENT-20250612		6/12/25	1455	SC0226	OA01601	-27	-9	6L

Comments
e.g. Actual Preservative or specific instructions

Report Tier Levels - please select

Tier I - Results (Default if not specified) ____
Tier II (Results + QC Summaries) ____
Tier III (Results + QC & Calibration Summaries) ✓
Tier IV (Data Validation Package) 10% Surcharge ____

EDD required (Yes) / No
Type: NYSDEC EQuIS EDD V5 Units: _____

Chain of Custody Seal: (Circle)
INTACT BROKEN ABSENT

Project Requirements (MRLs, QAPP)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Cassidy Wenzel	6/13/25	1645	FedEx		
FedEx			Amiri	6/16/25	9:03

Cooler / Blank Temperature ____°C

Signature denotes acceptance of ALS Group USA, Corp. Terms and Conditions - Detailed Terms & Conditions can be reviewed at the link below:
https://www.alsglobal.com/ALSGroupUSACorpTC

ALS Environmental

Sample Acceptance Check Form

Client: EA Engineering, Science, and Technology Work order: P2502174

Project: National Heatset Printing / EA: 1602518 NYSDEC: 152140

Sample(s) received on: 6/16/2025 Date opened: 6/16/2025 by: AMI.MODHA

Note: This form is used for all samples received by ALS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP.

		Yes	No	N/A
1	Were **sample containers** properly marked with client sample ID?	☒	☐	☐
2	Did **sample containers** arrive in good condition?	☒	☐	☐
3	Were **chain-of-custody** papers used and filled out?	☒	☐	☐
4	Did **sample container labels** and/or tags agree with custody papers?	☐	☒	☐
5	Was **sample volume** received adequate for analysis?	☒	☐	☐
6	Are samples within specified holding times?	☒	☐	☐
7	Was proper **temperature** (thermal preservation) of cooler at receipt adhered to?	☐	☐	☒
8	Were **custody seals** on outside of cooler/Box/Container?	☐	☒	
	Location of seal(s)? _____ Sealing Lid?	☐	☐	☒
	Were signature and date included?	☐	☐	☒
	Were seals intact?	☐	☐	☒
9	Do containers have appropriate **preservation**, according to method/SOP or Client specified information?	☐	☐	☒
	Is there a client indication that the submitted samples are **pH** preserved?	☐	☐	☒
	Were **VOA vials** checked for presence/absence of air bubbles?	☐	☐	☒
	Does the client/method/SOP require that the analyst check the sample pH and if necessary alter it?	☐	☐	☒
10	**Tubes:** Are the tubes capped and intact?	☐	☐	☒
11	**Badges:** Are the badges properly capped and intact?	☐	☐	☒
	Are dual bed badges separated and individually capped and intact?	☐	☐	☒
12	Lab Notification: Analyst and PM were alerted of Short HT or RUSH samples?	☐	☐	☒
13	Client Notification: Client has been notified regarding HT exceedances and/or other CoC discrepancies?	☐	☐	☒

Lab Sample ID	Container Description	Required pH *	Received pH	Adjusted pH	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P2502174-001.01	6.0 L Source Can					
P2502174-002.01	6.0 L Source Can					

Explain any discrepancies: (include lab sample ID numbers):

Container ID for sample -001 notes SC00106 on the COC but the correct can ID is SC00105

Sulfur (pH>4)

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **EA Engineering, Science, and Technology**
Client Sample ID: **152140-Influent-20250612** ALS Project ID: P2502174
Client Project ID: **National Heatset Printing / EA: 1602518 NYSDEC: 152140** ALS Sample ID: P2502174-001

Test Code: EPA TO-15 Date Collected: 6/12/25
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9 Date Received: 6/16/25
Analyst: Lusine Hakobyan/Topacio Zavala Date Analyzed: 6/28 - 6/29/25
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes: 0.10 Liter(s)
Container ID: SC00105

Initial Pressure (psig): -2.61 Final Pressure (psig): 3.73

Canister Dilution Factor: 1.52

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
115-07-1	Propene	**2.9**	0.80	**1.7**	0.46	
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.2**	0.77	**0.44**	0.16	
74-87-3	Chloromethane	ND	0.81	ND	0.39	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.82	ND	0.12	
75-01-4	Vinyl Chloride	ND	0.81	ND	0.32	
106-99-0	1,3-Butadiene	ND	0.81	ND	0.36	
74-83-9	Bromomethane	ND	0.78	ND	0.20	
75-00-3	Chloroethane	ND	0.84	ND	0.32	
67-64-1	Acetone	**52**	7.8	**22**	3.3	
75-69-4	Trichlorofluoromethane (CFC 11)	**1.5**	0.77	**0.26**	0.14	
67-63-0	2-Propanol (Isopropyl Alcohol)	**12**	6.2	**4.8**	2.5	
75-35-4	1,1-Dichloroethene	ND	0.69	ND	0.17	
75-09-2	Methylene Chloride	**0.99**	0.69	**0.28**	0.20	
76-13-1	Trichlorotrifluoroethane (CFC 113)	ND	0.70	ND	0.091	
75-15-0	Carbon Disulfide	**140**	1.6	**44**	0.51	
156-60-5	trans-1,2-Dichloroethene	ND	0.80	ND	0.20	
75-34-3	1,1-Dichloroethane	ND	0.78	ND	0.19	
1634-04-4	Methyl tert-Butyl Ether	ND	0.81	ND	0.22	**V**
108-05-4	Vinyl Acetate	**15**	8.0	**4.2**	2.3	
78-93-3	2-Butanone (MEK)	**7.6**	1.6	**2.6**	0.53	
156-59-2	cis-1,2-Dichloroethene	ND	0.78	ND	0.20	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
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V = The continuing calibration verification standard was outside (biased low) the specified limits for this compound.

Client: **EA Engineering, Science, and Technology**

Client Sample ID: **152140-Influent-20250612** ALS Project ID: P2502174

Client Project ID: **National Heatset Printing / EA: 1602518 NYSDEC: 152140** ALS Sample ID: P2502174-001

Test Code:	EPA TO-15	Date Collected:	6/12/25
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9	Date Received:	6/16/25
Analyst:	Lusine Hakobyan/Topacio Zavala	Date Analyzed:	6/28 - 6/29/25
Sample Type:	6.0 L Summa Canister	Volume(s) Analyzed:	1.00 Liter(s)
Test Notes:			0.10 Liter(s)
Container ID:	SC00105		

Initial Pressure (psig): -2.61 Final Pressure (psig): 3.73

Canister Dilution Factor: 1.52

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
141-78-6	Ethyl Acetate	**45**	3.0	**13**	0.82	
110-54-3	n-Hexane	**1.9**	0.79	**0.53**	0.22	
67-66-3	Chloroform	**0.95**	0.81	**0.19**	0.17	
109-99-9	Tetrahydrofuran (THF)	**3.7**	1.4	**1.2**	0.49	
107-06-2	1,2-Dichloroethane	ND	0.77	ND	0.19	
71-55-6	1,1,1-Trichloroethane	**1.0**	0.78	**0.19**	0.14	
71-43-2	Benzene	ND	1.5	ND	0.48	
56-23-5	Carbon Tetrachloride	ND	0.78	ND	0.12	
110-82-7	Cyclohexane	ND	1.6	ND	0.46	
78-87-5	1,2-Dichloropropane	ND	0.81	ND	0.18	
75-27-4	Bromodichloromethane	ND	0.81	ND	0.12	
79-01-6	Trichloroethene	**4.2**	0.80	**0.78**	0.15	
123-91-1	1,4-Dioxane	**2.7**	0.81	**0.75**	0.22	
142-82-5	n-Heptane	**1.9**	0.79	**0.45**	0.19	
10061-01-5	cis-1,3-Dichloropropene	ND	0.80	ND	0.18	
108-10-1	4-Methyl-2-pentanone	ND	1.6	ND	0.39	
10061-02-6	trans-1,3-Dichloropropene	ND	0.75	ND	0.17	
79-00-5	1,1,2-Trichloroethane	ND	0.84	ND	0.15	
108-88-3	Toluene	**9.8**	0.83	**2.6**	0.22	
591-78-6	2-Hexanone	ND	1.6	ND	0.39	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

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ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **EA Engineering, Science, and Technology**

Client Sample ID: **152140-Influent-20250612** ALS Project ID: P2502174

Client Project ID: **National Heatset Printing / EA: 1602518 NYSDEC: 152140** ALS Sample ID: P2502174-001

Test Code:	EPA TO-15	Date Collected:	6/12/25
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9	Date Received:	6/16/25
Analyst:	Lusine Hakobyan/Topacio Zavala	Date Analyzed:	6/28 - 6/29/25
Sample Type:	6.0 L Summa Canister	Volume(s) Analyzed:	1.00 Liter(s)
Test Notes:			0.10 Liter(s)
Container ID:	SC00105		

Initial Pressure (psig): -2.61 Final Pressure (psig): 3.73

Canister Dilution Factor: 1.52

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
124-48-1	Dibromochloromethane	ND	0.78	ND	0.092	
106-93-4	1,2-Dibromoethane	ND	0.80	ND	0.10	
127-18-4	Tetrachloroethene	**360**	8.1	**53**	1.2	**D**
108-90-7	Chlorobenzene	ND	0.81	ND	0.18	
100-41-4	Ethylbenzene	**1.8**	0.83	**0.42**	0.19	
179601-23-1	m,p-Xylenes	**12**	1.6	**2.8**	0.37	
75-25-2	Bromoform	ND	0.83	ND	0.080	
100-42-5	Styrene	ND	0.81	ND	0.19	
95-47-6	o-Xylene	**6.0**	0.82	**1.4**	0.19	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.82	ND	0.12	
98-82-8	Cumene	ND	0.80	ND	0.16	
622-96-8	4-Ethyltoluene	**4.6**	0.79	**0.93**	0.16	
108-67-8	1,3,5-Trimethylbenzene	**6.7**	0.82	**1.4**	0.17	
95-63-6	1,2,4-Trimethylbenzene	**21**	0.80	**4.2**	0.16	
100-44-7	Benzyl Chloride	ND	3.3	ND	0.63	
541-73-1	1,3-Dichlorobenzene	**1.5**	0.81	**0.25**	0.13	
106-46-7	1,4-Dichlorobenzene	ND	0.80	ND	0.13	
95-50-1	1,2-Dichlorobenzene	ND	0.79	ND	0.13	
120-82-1	1,2,4-Trichlorobenzene	ND	1.6	ND	0.22	
91-20-3	Naphthalene	**3.0**	1.6	**0.57**	0.30	
87-68-3	Hexachlorobutadiene	ND	0.80	ND	0.075	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
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D = The reported result is from a dilution.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **EA Engineering, Science, and Technology**
Client Sample ID: **152140-Effluent-20250612** ALS Project ID: P2502174
Client Project ID: **National Heatset Printing / EA: 1602518 NYSDEC: 152140** ALS Sample ID: P2502174-002

Test Code: EPA TO-15 Date Collected: 6/12/25
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9 Date Received: 6/16/25
Analyst: Lusine Hakobyan/Topacio Zavala Date Analyzed: 6/28 - 6/29/25
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes: 0.10 Liter(s)
Container ID: SC02226

Initial Pressure (psig): -4.71 Final Pressure (psig): 3.95

Canister Dilution Factor: 1.87

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
115-07-1	Propene	**2.8**	0.98	**1.6**	0.57	
75-71-8	Dichlorodifluoromethane (CFC 12)	**1.5**	0.94	**0.30**	0.19	
74-87-3	Chloromethane	ND	0.99	ND	0.48	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	1.0	ND	0.14	
75-01-4	Vinyl Chloride	ND	0.99	ND	0.39	
106-99-0	1,3-Butadiene	ND	0.99	ND	0.45	
74-83-9	Bromomethane	ND	0.95	ND	0.25	
75-00-3	Chloroethane	ND	1.0	ND	0.39	
67-64-1	Acetone	**51**	9.6	**21**	4.0	
75-69-4	Trichlorofluoromethane (CFC 11)	**1.1**	0.94	**0.20**	0.17	
67-63-0	2-Propanol (Isopropyl Alcohol)	**22**	7.7	**9.1**	3.1	
75-35-4	1,1-Dichloroethene	ND	0.85	ND	0.21	
75-09-2	Methylene Chloride	ND	0.85	ND	0.25	
76-13-1	Trichlorotrifluoroethane (CFC 113)	ND	0.86	ND	0.11	
75-15-0	Carbon Disulfide	**7.1**	1.9	**2.3**	0.62	
156-60-5	trans-1,2-Dichloroethene	ND	0.98	ND	0.25	
75-34-3	1,1-Dichloroethane	ND	0.96	ND	0.24	
1634-04-4	Methyl tert-Butyl Ether	ND	0.99	ND	0.28	**V**
108-05-4	Vinyl Acetate	**14**	9.9	**4.0**	2.8	
78-93-3	2-Butanone (MEK)	**8.0**	1.9	**2.7**	0.65	
156-59-2	cis-1,2-Dichloroethene	**7.5**	0.96	**1.9**	0.24	

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V = The continuing calibration verification standard was outside (biased low) the specified limits for this compound.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **EA Engineering, Science, and Technology**
Client Sample ID: **152140-Effluent-20250612** ALS Project ID: P2502174
Client Project ID: **National Heatset Printing / EA: 1602518 NYSDEC: 152140** ALS Sample ID: P2502174-002

Test Code: EPA TO-15 Date Collected: 6/12/25
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9 Date Received: 6/16/25
Analyst: Lusine Hakobyan/Topacio Zavala Date Analyzed: 6/28 - 6/29/25
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes: 0.10 Liter(s)
Container ID: SC02226

Initial Pressure (psig): -4.71 Final Pressure (psig): 3.95

Canister Dilution Factor: 1.87

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
141-78-6	Ethyl Acetate	**24**	3.6	**6.7**	1.0	
110-54-3	n-Hexane	**1.3**	0.97	**0.37**	0.28	
67-66-3	Chloroform	ND	0.99	ND	0.20	
109-99-9	Tetrahydrofuran (THF)	**7.2**	1.8	**2.4**	0.60	
107-06-2	1,2-Dichloroethane	ND	0.94	ND	0.23	
71-55-6	1,1,1-Trichloroethane	**6.0**	0.96	**1.1**	0.18	
71-43-2	Benzene	ND	1.9	ND	0.59	
56-23-5	Carbon Tetrachloride	ND	0.95	ND	0.15	
110-82-7	Cyclohexane	ND	1.9	ND	0.57	
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22	
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15	
79-01-6	Trichloroethene	**120**	0.98	**23**	0.18	
123-91-1	1,4-Dioxane	ND	0.99	ND	0.28	
142-82-5	n-Heptane	**1.2**	0.97	**0.29**	0.24	
10061-01-5	cis-1,3-Dichloropropene	ND	0.98	ND	0.22	
108-10-1	4-Methyl-2-pentanone	ND	2.0	ND	0.48	
10061-02-6	trans-1,3-Dichloropropene	ND	0.93	ND	0.20	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.19	
108-88-3	Toluene	**9.8**	1.0	**2.6**	0.27	
591-78-6	2-Hexanone	ND	1.9	ND	0.47	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
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ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **EA Engineering, Science, and Technology**

Client Sample ID: **152140-Effluent-20250612** ALS Project ID: P2502174

Client Project ID: **National Heatset Printing / EA: 1602518 NYSDEC: 152140** ALS Sample ID: P2502174-002

Test Code:	EPA TO-15	Date Collected:	6/12/25
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9	Date Received:	6/16/25
Analyst:	Lusine Hakobyan/Topacio Zavala	Date Analyzed:	6/28 - 6/29/25
Sample Type:	6.0 L Summa Canister	Volume(s) Analyzed:	1.00 Liter(s)
Test Notes:			0.10 Liter(s)
Container ID:	SC02226		

Initial Pressure (psig): -4.71 Final Pressure (psig): 3.95

Canister Dilution Factor: 1.87

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
124-48-1	Dibromochloromethane	ND	0.96	ND	0.11	
106-93-4	1,2-Dibromoethane	ND	0.98	ND	0.13	
127-18-4	Tetrachloroethene	**340**	10	**50**	1.5	**D**
108-90-7	Chlorobenzene	ND	1.0	ND	0.22	
100-41-4	Ethylbenzene	**2.2**	1.0	**0.51**	0.23	
179601-23-1	m,p-Xylenes	**8.1**	2.0	**1.9**	0.46	
75-25-2	Bromoform	ND	1.0	ND	0.099	
100-42-5	Styrene	ND	0.99	ND	0.23	
95-47-6	o-Xylene	**3.8**	1.0	**0.88**	0.23	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15	
98-82-8	Cumene	ND	0.98	ND	0.20	
622-96-8	4-Ethyltoluene	**1.3**	0.97	**0.27**	0.20	
108-67-8	1,3,5-Trimethylbenzene	**1.5**	1.0	**0.31**	0.21	
95-63-6	1,2,4-Trimethylbenzene	**5.3**	0.98	**1.1**	0.20	
100-44-7	Benzyl Chloride	ND	4.0	ND	0.78	
541-73-1	1,3-Dichlorobenzene	**3.6**	0.99	**0.60**	0.16	
106-46-7	1,4-Dichlorobenzene	ND	0.98	ND	0.16	
95-50-1	1,2-Dichlorobenzene	ND	0.97	ND	0.16	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	ND	0.27	
91-20-3	Naphthalene	ND	1.9	ND	0.36	
87-68-3	Hexachlorobutadiene	ND	0.98	ND	0.092	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
D = The reported result is from a dilution.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **EA Engineering, Science, and Technology**
Client Sample ID: **Method Blank** ALS Project ID: P2502174
Client Project ID: **National Heatset Printing / EA: 1602518 NYSDEC: 152140** ALS Sample ID: P250628-MB

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9 Date Received: NA
Analyst: Topacio Zavala Date Analyzed: 6/28/25
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
115-07-1	Propene	ND	0.53	ND	0.31	
75-71-8	Dichlorodifluoromethane (CFC 12)	ND	0.51	ND	0.10	
74-87-3	Chloromethane	ND	0.53	ND	0.26	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.54	ND	0.077	
75-01-4	Vinyl Chloride	ND	0.53	ND	0.21	
106-99-0	1,3-Butadiene	ND	0.53	ND	0.24	
74-83-9	Bromomethane	ND	0.51	ND	0.13	
75-00-3	Chloroethane	ND	0.55	ND	0.21	
67-64-1	Acetone	ND	5.1	ND	2.2	
75-69-4	Trichlorofluoromethane (CFC 11)	ND	0.51	ND	0.090	
67-63-0	2-Propanol (Isopropyl Alcohol)	ND	4.1	ND	1.7	
75-35-4	1,1-Dichloroethene	ND	0.46	ND	0.11	
75-09-2	Methylene Chloride	ND	0.46	ND	0.13	
76-13-1	Trichlorotrifluoroethane (CFC 113)	ND	0.46	ND	0.060	
75-15-0	Carbon Disulfide	ND	1.0	ND	0.33	
156-60-5	trans-1,2-Dichloroethene	ND	0.53	ND	0.13	
75-34-3	1,1-Dichloroethane	ND	0.52	ND	0.13	
1634-04-4	Methyl tert-Butyl Ether	ND	0.53	ND	0.15	**V**
108-05-4	Vinyl Acetate	ND	5.3	ND	1.5	
78-93-3	2-Butanone (MEK)	ND	1.0	ND	0.35	
156-59-2	cis-1,2-Dichloroethene	ND	0.52	ND	0.13	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

V = The continuing calibration verification standard was outside (biased low) the specified limits for this compound.

Client: **EA Engineering, Science, and Technology**

Client Sample ID: **Method Blank** ALS Project ID: P2502174

Client Project ID: **National Heatset Printing / EA: 1602518 NYSDEC: 152140** ALS Sample ID: P250628-MB

Test Code: EPA TO-15 Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9 Date Received: NA

Analyst: Topacio Zavala Date Analyzed: 6/28/25

Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
141-78-6	Ethyl Acetate	ND	2.0	ND	0.54	
110-54-3	n-Hexane	ND	0.52	ND	0.15	
67-66-3	Chloroform	ND	0.53	ND	0.11	
109-99-9	Tetrahydrofuran (THF)	ND	0.95	ND	0.32	
107-06-2	1,2-Dichloroethane	ND	0.51	ND	0.12	
71-55-6	1,1,1-Trichloroethane	ND	0.52	ND	0.094	
71-43-2	Benzene	ND	1.0	ND	0.31	
56-23-5	Carbon Tetrachloride	ND	0.51	ND	0.081	
110-82-7	Cyclohexane	ND	1.0	ND	0.30	
78-87-5	1,2-Dichloropropane	ND	0.54	ND	0.12	
75-27-4	Bromodichloromethane	ND	0.54	ND	0.080	
79-01-6	Trichloroethene	ND	0.53	ND	0.098	
123-91-1	1,4-Dioxane	ND	0.53	ND	0.15	
142-82-5	n-Heptane	ND	0.52	ND	0.13	
10061-01-5	cis-1,3-Dichloropropene	ND	0.53	ND	0.12	
108-10-1	4-Methyl-2-pentanone	ND	1.1	ND	0.26	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ND	0.11	
79-00-5	1,1,2-Trichloroethane	ND	0.55	ND	0.10	
108-88-3	Toluene	ND	0.55	ND	0.14	
591-78-6	2-Hexanone	ND	1.0	ND	0.25	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Client: **EA Engineering, Science, and Technology**

Client Sample ID: **Method Blank** ALS Project ID: P2502174

Client Project ID: **National Heatset Printing / EA: 1602518 NYSDEC: 152140** ALS Sample ID: P250628-MB

Test Code: EPA TO-15 Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9 Date Received: NA

Analyst: Topacio Zavala Date Analyzed: 6/28/25

Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
124-48-1	Dibromochloromethane	ND	0.52	ND	0.060	
106-93-4	1,2-Dibromoethane	ND	0.53	ND	0.068	
127-18-4	Tetrachloroethene	ND	0.54	ND	0.079	
108-90-7	Chlorobenzene	ND	0.54	ND	0.12	
100-41-4	Ethylbenzene	ND	0.55	ND	0.13	
179601-23-1	m,p-Xylenes	ND	1.1	ND	0.25	
75-25-2	Bromoform	ND	0.55	ND	0.053	
100-42-5	Styrene	ND	0.53	ND	0.12	
95-47-6	o-Xylene	ND	0.54	ND	0.12	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.54	ND	0.079	
98-82-8	Cumene	ND	0.53	ND	0.11	
622-96-8	4-Ethyltoluene	ND	0.52	ND	0.11	
108-67-8	1,3,5-Trimethylbenzene	ND	0.54	ND	0.11	
95-63-6	1,2,4-Trimethylbenzene	ND	0.53	ND	0.11	
100-44-7	Benzyl Chloride	ND	2.2	ND	0.42	
541-73-1	1,3-Dichlorobenzene	ND	0.53	ND	0.088	
106-46-7	1,4-Dichlorobenzene	ND	0.53	ND	0.087	
95-50-1	1,2-Dichlorobenzene	ND	0.52	ND	0.087	
120-82-1	1,2,4-Trichlorobenzene	ND	1.1	ND	0.15	
91-20-3	Naphthalene	ND	1.0	ND	0.19	
87-68-3	Hexachlorobutadiene	ND	0.53	ND	0.049	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

SURROGATE SPIKE RECOVERY RESULTS

Client: **EA Engineering, Science, and Technology**
Client Project ID: **National Heatset Printing / EA: 1602518 NYSDEC: 152140** ALS Project ID: P2502174

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9 Date(s) Collected: 6/12/25
Analyst: Lusine Hakobyan/Topacio Zavala Date(s) Received: 6/16/25
Sample Type: 6.0 L Summa Canister(s) Date(s) Analyzed: 6/28/25
Test Notes:

Client Sample ID	ALS Sample ID	1,2-Dichloroethane-d4 Percent Recovered	Toluene-d8 Percent Recovered	Bromofluorobenzene Percent Recovered	Acceptance Limits	Data Qualifier
Method Blank	P250628-MB	**110**	**95**	**81**	70-130	
Lab Control Sample	P250628-LCS	**109**	**93**	**83**	70-130	
Duplicate Lab Control Sample	P250628-DLCS	**110**	**93**	**82**	70-130	
152140-Influent-20250612	P2502174-001	**111**	**93**	**81**	70-130	
152140-Effluent-20250612	P2502174-002	**109**	**94**	**81**	70-130	

Surrogate percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly from the on-column percent recovery.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE / DUPLICATE LABORATORY CONTROL SAMPLE SUMMARY

Client: **EA Engineering, Science, and Technology**
Client Sample ID: **Duplicate Lab Control Sample** ALS Project ID: P2502174
Client Project ID: **National Heatset Printing / EA: 1602518 NYSDEC: 152140** ALS Sample ID: P250628-DLCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9 Date Received: NA
Analyst: Topacio Zavala Date Analyzed: 6/28/25
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 0.125 Liter(s)
Test Notes:

CAS #	Compound	Spike Amount LCS / DLCS µg/m³	Result LCS µg/m³	Result DLCS µg/m³	% Recovery LCS	% Recovery DLCS	ALS Acceptance Limits	RPD	RPD Limit	Data Qualifier
115-07-1	Propene	212	230	228	**108**	**108**	50-133	0	25	
75-71-8	Dichlorodifluoromethane (CFC 12)	206	197	196	**96**	**95**	66-122	1	25	
74-87-3	Chloromethane	208	200	213	**96**	**102**	56-131	6	25	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	208	199	200	**96**	**96**	63-120	0	25	
75-01-4	Vinyl Chloride	210	218	217	**104**	**103**	57-129	1	25	
106-99-0	1,3-Butadiene	212	234	235	**110**	**111**	62-132	0.9	25	
74-83-9	Bromomethane	210	207	208	**99**	**99**	72-120	0	25	
75-00-3	Chloroethane	212	211	211	**100**	**100**	67-123	0	25	
67-64-1	Acetone	1,050	1070	1070	**102**	**102**	61-120	0	25	
75-69-4	Trichlorofluoromethane (CFC 11)	208	190	190	**91**	**91**	65-122	0	25	
67-63-0	2-Propanol (Isopropyl Alcohol)	416	478	490	**115**	**118**	59-132	3	25	
75-35-4	1,1-Dichloroethene	208	209	210	**100**	**101**	75-120	1	25	
75-09-2	Methylene Chloride	204	195	196	**96**	**96**	71-123	0	25	
76-13-1	Trichlorotrifluoroethane (CFC 113)	210	187	192	**89**	**91**	65-121	2	25	
75-15-0	Carbon Disulfide	430	423	423	**98**	**98**	69-115	0	25	
156-60-5	trans-1,2-Dichloroethene	218	228	230	**105**	**106**	67-123	0.9	25	
75-34-3	1,1-Dichloroethane	218	211	214	**97**	**98**	66-120	1	25	
1634-04-4	Methyl tert-Butyl Ether	216	150	166	**69**	**77**	65-124	11	25	
108-05-4	Vinyl Acetate	1,090	1240	1250	**114**	**115**	76-147	0.9	25	
78-93-3	2-Butanone (MEK)	412	452	455	**110**	**110**	70-125	0	25	
156-59-2	cis-1,2-Dichloroethene	214	220	223	**103**	**104**	64-120	1	25	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

Client: **EA Engineering, Science, and Technology**
Client Sample ID: **Duplicate Lab Control Sample** ALS Project ID: P2502174
Client Project ID: **National Heatset Printing / EA: 1602518 NYSDEC: 152140** ALS Sample ID: P250628-DLCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9 Date Received: NA
Analyst: Topacio Zavala Date Analyzed: 6/28/25
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 0.125 Liter(s)
Test Notes:

CAS #	Compound	Spike Amount LCS / DLCS µg/m³	Result LCS µg/m³	Result DLCS µg/m³	% Recovery LCS	% Recovery DLCS	ALS Acceptance Limits	RPD	RPD Limit	Data Qualifier
141-78-6	Ethyl Acetate	398	470	470	**118**	**118**	56-120	0	25	
110-54-3	n-Hexane	212	225	225	**106**	**106**	60-125	0	25	
67-66-3	Chloroform	216	215	216	**100**	**100**	64-121	0	25	
109-99-9	Tetrahydrofuran (THF)	404	431	434	**107**	**107**	67-117	0	25	
107-06-2	1,2-Dichloroethane	204	203	205	**100**	**100**	64-138	0	25	
71-55-6	1,1,1-Trichloroethane	210	195	199	**93**	**95**	67-125	2	25	
71-43-2	Benzene	206	184	186	**89**	**90**	73-128	1	25	
56-23-5	Carbon Tetrachloride	210	198	201	**94**	**96**	71-134	2	25	
110-82-7	Cyclohexane	430	413	423	**96**	**98**	71-118	2	25	
78-87-5	1,2-Dichloropropane	214	209	211	**98**	**99**	68-121	1	25	
75-27-4	Bromodichloromethane	218	223	225	**102**	**103**	70-125	1	25	
79-01-6	Trichloroethene	214	186	187	**87**	**87**	68-124	0	25	
123-91-1	1,4-Dioxane	214	231	232	**108**	**108**	76-127	0	25	
142-82-5	n-Heptane	214	217	218	**101**	**102**	72-121	1	25	
10061-01-5	cis-1,3-Dichloropropene	212	225	228	**106**	**108**	87-137	2	25	
108-10-1	4-Methyl-2-pentanone	426	512	516	**120**	**121**	67-137	0.8	25	
10061-02-6	trans-1,3-Dichloropropene	196	207	209	**106**	**107**	73-127	0.9	25	
79-00-5	1,1,2-Trichloroethane	216	205	207	**95**	**96**	71-119	1	25	
108-88-3	Toluene	216	189	192	**88**	**89**	64-121	1	25	
591-78-6	2-Hexanone	424	461	469	**109**	**111**	70-136	2	25	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

Client: **EA Engineering, Science, and Technology**
Client Sample ID: **Duplicate Lab Control Sample** ALS Project ID: P2502174
Client Project ID: **National Heatset Printing / EA: 1602518 NYSDEC: 152140** ALS Sample ID: P250628-DLCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9 Date Received: NA
Analyst: Topacio Zavala Date Analyzed: 6/28/25
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 0.125 Liter(s)
Test Notes:

CAS #	Compound	Spike Amount LCS / DLCS µg/m³	Result LCS µg/m³	Result DLCS µg/m³	% Recovery LCS	% Recovery DLCS	ALS Acceptance Limits	RPD	RPD Limit	Data Qualifier
124-48-1	Dibromochloromethane	216	203	204	**94**	**94**	67-128	0	25	
106-93-4	1,2-Dibromoethane	204	188	190	**92**	**93**	69-129	1	25	
127-18-4	Tetrachloroethene	214	177	178	**83**	**83**	55-132	0	25	
108-90-7	Chlorobenzene	216	181	183	**84**	**85**	63-124	1	25	
100-41-4	Ethylbenzene	218	201	204	**92**	**94**	64-119	2	25	
179601-23-1	m,p-Xylenes	432	399	402	**92**	**93**	64-121	1	25	
75-25-2	Bromoform	218	225	226	**103**	**104**	63-132	1	25	
100-42-5	Styrene	214	201	204	**94**	**95**	71-125	1	25	
95-47-6	o-Xylene	216	200	202	**93**	**94**	66-122	1	25	
79-34-5	1,1,2,2-Tetrachloroethane	216	209	209	**97**	**97**	71-128	0	25	
98-82-8	Cumene	214	192	193	**90**	**90**	66-126	0	25	
622-96-8	4-Ethyltoluene	218	200	201	**92**	**92**	67-128	0	25	
108-67-8	1,3,5-Trimethylbenzene	216	195	196	**90**	**91**	66-125	1	25	
95-63-6	1,2,4-Trimethylbenzene	212	197	198	**93**	**93**	67-130	0	25	
100-44-7	Benzyl Chloride	426	472	475	**111**	**112**	58-151	0.9	25	
541-73-1	1,3-Dichlorobenzene	212	180	180	**85**	**85**	57-135	0	25	
106-46-7	1,4-Dichlorobenzene	212	170	171	**80**	**81**	56-129	1	25	
95-50-1	1,2-Dichlorobenzene	212	174	174	**82**	**82**	57-138	0	25	
120-82-1	1,2,4-Trichlorobenzene	436	379	377	**87**	**86**	50-137	1	25	
91-20-3	Naphthalene	218	190	189	**87**	**87**	50-157	0	25	
87-68-3	Hexachlorobutadiene	212	177	175	**83**	**83**	50-133	0	25	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

Response Factor Report MS09

Method Path : I:\MS09\METHODS\
Method File : R09060425.M
Title : EPA TO-15 per SOP VOA-TO15 (CASS TO-15/GC-MS)
Last Update : Thu Jun 05 09:08:03 2025
Response Via : Initial Calibration

6/5/25

Calibration Files
0.1 =06042515.D 0.2 =06042516.D 0.5 =06042517.D 1.0 =06042518.D 5.0 =06042519.D 25 =06042
100 =06042522.D

		Compound	0.1	0.2	0.5	1.0	5.0	25	50	100	Avg	%RSD
1)	IR	Bromochloromethane...	----------ISTD----------									
2)	T	Propene	1.609	1.663	1.475	1.512	1.684	1.674	1.647	1.478	1.593	5.66
3)	T	Dichlorodifluo...	3.177	3.066	2.881	2.920	2.919	2.984	2.863	2.574	2.923	6.00
4)	T	Chloromethane	2.289	2.327	2.181	2.272	2.096	2.319	2.130	1.872	2.186	7.04
5)	T	1,2-Dichloro-1...	1.241	1.306	1.184	1.196	1.175	1.208	1.170	1.071	1.194	5.57
6)	T	Vinyl Chloride	2.126	2.153	2.013	2.079	2.081	2.148	2.056	1.830	2.061	5.08
7)	T	1,3-Butadiene	1.464	1.612	1.614	1.590	1.652	1.734	1.609	1.435	1.589	6.10
8)	T	Bromomethane	1.135	1.222	1.163	1.207	1.136	1.278	1.147	1.047	1.167	5.94
9)	T	Chloroethane	0.871	0.998	0.965	0.963	0.984	1.031	1.015	0.916	0.968	5.45
10)	T	Ethanol	1.147	1.156	1.061	1.110	1.153	1.186	1.129	1.019	1.120	4.94
11)	T	Acetonitrile			2.641	2.723	2.801	2.845	2.850	2.749	2.768	2.90
12)	T	Acrolein	0.720	0.830	0.853	0.951	1.000	1.057	1.026	0.972	0.926	12.41
13)	T	Acetone	1.237	1.169	1.015	1.057	1.054	1.066	0.993	0.857	1.056	10.81
14)	T	Trichlorofluor...	2.612	2.767	2.509	2.519	2.491	2.549	2.477	2.315	2.530	5.06
15)	T	2-Propanol (Is...	3.270	3.358	3.240	3.409	3.341	3.830	3.612	3.257	3.415	6.03
16)	T	Acrylonitrile	1.489	1.762	1.691	1.836	1.927	1.998	1.946	1.813	1.808	9.06
17)	T	1,1-Dichloroet...	1.146	1.232	1.126	1.217	1.240	1.303	1.286	1.221	1.221	5.00
18)	T	2-Methyl-2-Pro...	2.696	2.190	2.860	2.692	1.868	2.615	2.177	1.495	2.324	20.45
19)	T	Methylene Chlo...	1.585	1.497	1.410	1.419	1.435	1.503	1.482	1.386	1.465	4.42
20)	T	3-Chloro-1-pro...	1.978	1.996	1.879	1.932	1.974	2.125	2.116	2.018	2.002	4.21
21)	T	Trichlorotrifl...	0.978	1.109	1.001	1.010	1.014	1.058	1.038	0.992	1.025	4.12
22)	T	Carbon Disulfide	5.128	5.202	4.719	4.945	5.017	5.189	4.868	4.176	4.905	6.89
23)	T	trans-1,2-Dich...	1.668	1.879	1.846	1.923	2.029	2.159	2.137	2.000	1.955	8.28
24)	T	1,1-Dichloroet...	2.471	2.666	2.450	2.462	2.460	2.569	2.532	2.373	2.498	3.57
25)	T	Methyl tert-Bu...	3.327	2.754	3.353	3.325	2.687	3.110	2.783	2.428	2.971	11.91
26)	T	Vinyl Acetate			0.186	0.226	0.259	0.299	0.283	0.243	0.249	16.38
27)	T	2-Butanone (MEK)	0.648	0.796	0.832	0.894	0.934	0.999	0.966	0.872	0.868	12.83
28)	T	cis-1,2-Dichlo...	1.804	1.922	1.790	1.892	1.932	2.064	2.027	1.886	1.915	5.01
29)	T	Diisopropyl Ether	1.064	1.124	1.078	1.138	1.171	1.211	1.112	0.913	1.101	8.14
30)	T	Ethyl Acetate	0.405	0.490	0.499	0.534	0.573	0.587	0.522	0.416	0.503	13.14
31)	T	n-Hexane	2.358	2.335	2.211	2.289	2.322	2.353	2.182	1.864	2.239	7.37
32)	T	Chloroform	2.396	2.575	2.366	2.373	2.409	2.505	2.407	2.168	2.400	4.91
33)	S	1,2-Dichloroet...	1.841	1.847	1.852	1.837	1.823	1.835	1.837	1.851	1.840	0.52
34)	T	Tetrahydrofura...	0.710	0.768	0.761	0.816	0.864	0.920	0.894	0.801	0.817	8.77
35)	T	Ethyl tert-But...	1.353	1.488	1.386	1.457	1.530	1.646	1.566	1.354	1.472	7.19
36)	T	1,2-Dichloroet...	2.042	2.035	1.920	1.963	1.967	2.089	2.050	1.923	1.999	3.19
37)	IR	1,4-Difluorobenzen...	----------ISTD----------									
38)	T	1,1,1-Trichlor...	0.488	0.496	0.451	0.474	0.483	0.514	0.498	0.463	0.483	4.24
39)	T	Isopropyl Acetate									0.000	-1.00
40)	T	1-Butanol									0.000	-1.00
41)	T	Benzene	1.747	1.445	1.229	1.271	1.271	1.309	1.242	1.103	1.327	14.62
42)	T	Carbon Tetrach...	0.377	0.395	0.379	0.401	0.416	0.454	0.441	0.408	0.409	6.73
43)	T	Cyclohexane	0.435	0.429	0.411	0.437	0.446	0.469	0.431	0.360	0.427	7.46
44)	T	tert-Amyl Meth...	0.789	0.820	0.759	0.804	0.857	0.914	0.844	0.702	0.811	7.95
45)	T	1,2-Dichloropr...	0.322	0.329	0.309	0.318	0.321	0.339	0.329	0.300	0.321	3.84
46)	T	Bromodichlorom...	0.381	0.397	0.370	0.395	0.415	0.455	0.445	0.411	0.409	7.19
47)	T	Trichloroethene	0.325	0.315	0.300	0.305	0.304	0.321	0.309	0.280	0.307	4.49
48)	T	1,4-Dioxane	0.168	0.213	0.207	0.225	0.235	0.267	0.259	0.231	0.226	13.78
49)	T	2,2,4-Trimethy...	1.299	1.309	1.239	1.300	1.319	1.375	1.302	1.126	1.284	5.74
50)	T	Methyl Methacr...			0.088	0.097	0.112	0.123	0.118	0.105	0.107	12.33
51)	T	n-Heptane	0.263	0.298	0.278	0.298	0.305	0.322	0.310	0.275	0.294	6.84
52)	T	cis-1,3-Dichlo...	0.402	0.450	0.426	0.475	0.540	0.605	0.589	0.532	0.502	14.98
53)	T	4-Methyl-2-pen...	0.235	0.302	0.307	0.350	0.388	0.425	0.394	0.331	0.341	17.90
54)	T	trans-1,3-Dich...			0.305	0.365	0.439	0.515	0.511	0.475	0.435	19.38

55)	T	1,1,2-Trichlor...	0.272	0.296	0.273	0.291	0.294	0.309	0.299	0.271	0.288	5.00
56)	IR	Chlorobenzene-d5 (...	----------ISTD----------									
57)	S	Toluene-d8 (SS2)	5.573	5.565	5.550	5.546	5.518	5.466	5.428	5.339	5.498	1.49
58)	T	Toluene	5.953	5.861	5.315	5.493	5.529	5.640	5.236	4.438	5.433	8.66
59)	T	2-Hexanone	2.719	3.076	2.939	3.194	3.352	3.511	3.188	2.617	3.075	9.90
60)	T	Dibromochlorom...	1.203	1.312	1.275	1.375	1.498	1.658	1.610	1.472	1.425	11.35
61)	T	1,2-Dibromoethane	1.426	1.487	1.344	1.447	1.551	1.666	1.614	1.463	1.500	7.01
62)	T	n-Butyl Acetate	2.484	2.880	2.803	3.227	3.539	3.789	3.444	2.799	3.121	14.36
63)	T	n-Octane	1.099	1.176	1.109	1.154	1.239	1.304	1.240	1.071	1.174	6.94
64)	T	Tetrachloroethene	1.356	1.453	1.332	1.388	1.397	1.474	1.424	1.299	1.390	4.31
65)	T	Chlorobenzene	3.811	3.946	3.502	3.571	3.623	3.777	3.520	2.966	3.589	8.24
66)	T	Ethylbenzene	5.891	6.119	5.644	5.958	6.331	6.551	6.075	5.066	5.955	7.59
67)	T	m- & p-Xylenes	4.723	4.951	4.658	4.920	5.141	5.295	4.811	3.869	4.796	8.96
68)	T	Bromoform	0.744	0.823	0.838	0.941	1.098	1.273	1.259	1.151	1.016	20.32
69)	T	Styrene	2.895	3.137	2.834	3.260	3.666	4.032	3.810	3.242	3.359	12.90
70)	T	o-Xylene	4.709	4.854	4.626	4.947	5.116	5.286	4.878	3.992	4.801	8.10
71)	T	n-Nonane	2.342	2.610	2.550	2.712	2.810	2.910	2.701	2.247	2.610	8.63
72)	T	1,1,2,2-Tetrac...	2.132	2.354	2.233	2.434	2.537	2.656	2.478	2.062	2.361	8.70
73)	S	Bromofluoroben...	1.774	1.789	1.764	1.775	1.778	1.776	1.776	1.746	1.772	0.72
74)	T	Cumene	5.752	6.108	5.643	5.905	6.071	6.237	5.702	4.671	5.761	8.47
75)	T	alpha-Pinene	2.673	2.864	2.681	2.913	3.253	3.430	3.183	2.653	2.956	10.09
76)	T	n-Propylbenzene	7.131	7.500	7.043	7.626	7.758	7.884	7.133	5.713	7.224	9.49
77)	T	3-Ethyltoluene									0.000	-1.00
78)	T	4-Ethyltoluene	5.113	5.591	5.344	5.799	6.037	6.252	5.718	4.694	5.568	9.07
79)	T	1,3,5-Trimethy...	4.760	4.917	4.731	5.010	5.151	5.289	4.842	3.949	4.831	8.37
80)	T	alpha-Methylst...									0.000	-1.00
81)	T	2-Ethyltoluene									0.000	-1.00
82)	T	1,2,4-Trimethy...	4.508	4.942	4.713	5.155	5.375	5.364	4.623	3.435	4.764	13.21
83)	T	n-Decane									0.000	-1.00
84)	T	Benzyl Chloride			2.416	3.044	3.863	4.564	3.965	2.857	3.452	23.40
85)	T	1,3-Dichlorobe...	2.790	3.025	2.544	2.740	2.778	3.009	2.733	2.097	2.715	10.83
86)	T	1,4-Dichlorobe...	2.934	3.064	2.485	2.666	2.731	3.053	2.877	2.445	2.782	8.63
87)	T	sec-Butylbenzene	6.028	6.642	6.313	6.799	6.916	7.048	6.331	5.035	6.389	10.10
88)	T	4-Isopropyltol...	4.679	5.271	5.032	5.466	5.681	5.827	5.268	4.229	5.182	10.17
89)	T	1,2,3-Trimethy...									0.000	-1.00
90)	T	1,2-Dichlorobe...	2.829	2.929	2.537	2.729	2.794	2.997	2.812	2.378	2.751	7.39
91)	T	d-Limonene	1.371	1.611	1.578	1.837	2.056	2.200	2.023	1.622	1.787	16.06
92)	T	1,2-Dibromo-3-...	0.630	0.773	0.728	0.826	0.946	1.060	1.000	0.848	0.852	16.93
93)	T	n-Undecane									0.000	-1.00
94)	T	1,2,4-Trichlor...	1.464	1.707	1.453	1.659	1.831	2.177	1.992	1.499	1.723	15.27
95)	T	Naphthalene			3.786	4.675	5.423	6.988	6.466	5.188	5.421	21.56
96)	T	n-Dodecane									0.000	-1.00
97)	T	Hexachlorobuta...	1.247	1.317	1.163	1.230	1.304	1.414	1.391	1.230	1.287	6.67
98)	T	Cyclohexanone									0.000	-1.00
99)	T	tert-Butylbenzene	4.200	4.551	4.288	4.692	4.817	4.754	4.111	3.096	4.314	12.95
100)	T	n-Butylbenzene	4.668	5.317	5.017	5.526	5.839	5.969	5.377	4.262	5.247	11.00
101)	T	1,1,1,2-Tetrac...	1.095	1.145	1.122	1.192	1.228	1.317	1.251	1.091	1.180	6.86

(#) = Out of Range

R09060425.M Thu Jun 05 10:49:00 2025

Evaluate Continuing Calibration Report

Data File : I:\MS09\DATA\2025 06\28\06282502.D Vial: 2
Acq On : 28 Jun 2025 15:30 Operator: TZ
Sample : CCV R09062825 25ng Inst : MS09
Misc : S38-05212501/S38-06242504 (7/23)

Quant Time: Jun 29 01:26:11 2025
Quant Method : I:\MS09\METHODS\R09060425.M
Quant Title : EPA TO-15 per SOP VOA-TO15 (CASS TO-15/GC-MS)
QLast Update : Fri Jun 13 09:02:22 2025
Response via : Initial Calibration
DataAcq Meth:TO15M.M

LH 6/29/25

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	Bromochloromethane (IS1)	1.000	1.000	0.0	106	0.02
2	T	Propene	1.593	1.674	-5.1	106	0.00
3	T	Dichlorodifluoromethane (CF	2.923	2.772	5.2	99	0.00
4	T	Chloromethane	2.186	2.087	4.5	95	0.00
5	T	1,2-Dichloro-1,1,2,2-tetraf	1.194	1.061	11.1	93	0.00
6	T	Vinyl Chloride	2.061	2.089	-1.4	103	0.00
7	T	1,3-Butadiene	1.589	1.736	-9.3	106	0.00
8	T	Bromomethane	1.167	1.131	3.1	94	0.01
9	T	Chloroethane	0.968	0.962	0.6	99	0.01
10	T	Ethanol	1.120	1.168	-4.3	104	0.08
11	T	Acetonitrile	2.768	2.851	-3.0	106	-0.03
12	T	Acrolein	0.926	1.025	-10.7	103	0.00
13	T	Acetone	1.056	1.050	0.6	104	-0.01
14	T	Trichlorofluoromethane	2.530	2.318	8.4	96	0.01
15	T	2-Propanol (Isopropanol)	3.415	3.781	-10.7	105	-0.03
16	T	Acrylonitrile	1.808	1.953	-8.0	104	-0.02
17	T	1,1-Dichloroethene	1.221	1.147	6.1	93	0.01
18	T	2-Methyl-2-Propanol (tert-B	2.324	2.097	9.8	85	0.00
19	T	Methylene Chloride	1.465	1.363	7.0	96	0.00
20	T	3-Chloro-1-propene (Allyl C	2.002	2.131	-6.4	106	0.00
21	T	Trichlorotrifluoroethane	1.025	0.884	13.8	89	0.02
22	T	Carbon Disulfide	4.905	4.798	2.2	98	0.01
23	T	trans-1,2-Dichloroethene	1.955	2.032	-3.9	100	0.02
24	T	1,1-Dichloroethane	2.498	2.395	4.1	99	0.02
25	T	Methyl tert-Butyl Ether	2.971	1.960	34.0#	67	0.02
26	T	Vinyl Acetate	0.249	0.285	-14.5	101	0.00
27	T	2-Butanone (MEK)	0.868	0.928	-6.9	98	0.00
28	T	cis-1,2-Dichloroethene	1.915	1.946	-1.6	100	0.02
29	T	Diisopropyl Ether	1.101	1.126	-2.3	99	0.02
30	T	Ethyl Acetate	0.503	0.587	-16.7	106	0.02
31	T	n-Hexane	2.239	2.312	-3.3	104	0.03
32	T	Chloroform	2.400	2.327	3.0	99	0.00
33	S	1,2-Dichloroethane-d4(SS1)	1.840	2.012	-9.3	116	0.02
34	T	Tetrahydrofuran (THF)	0.817	0.850	-4.0	98	0.03
35	T	Ethyl tert-Butyl Ether	1.472	1.494	-1.5	96	0.03
36	T	1,2-Dichloroethane	1.999	1.973	1.3	100	0.03
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	108	0.01
38	T	1,1,1-Trichloroethane	0.483	0.451	6.6	95	0.00
39	T	Isopropyl Acetate	0.000	0.000	0.0	101	0.01
40	T	1-Butanol	0.000	0.000	0.0	63	0.00
41	T	Benzene	1.327	1.173	11.6	97	0.00
42	T	Carbon Tetrachloride	0.409	0.393	3.9	94	0.01
43	T	Cyclohexane	0.427	0.411	3.7	95	0.01
44	T	tert-Amyl Methyl Ether	0.811	0.832	-2.6	99	0.00
45	T	1,2-Dichloropropane	0.321	0.311	3.1	99	0.01
46	T	Bromodichloromethane	0.409	0.406	0.7	97	0.01
47	T	Trichloroethene	0.307	0.269	12.4	91	0.01
48	T	1,4-Dioxane	0.226	0.226	0.0	92	0.01
49	T	2,2,4-Trimethylpentane (Iso	1.284	1.287	-0.2	102	0.00
50	T	Methyl Methacrylate	0.107	0.106	0.9	93	0.00
51	T	n-Heptane	0.294	0.294	0.0	99	0.01
52	T	cis-1,3-Dichloropropene	0.502	0.542	-8.0	97	0.01
53	T	4-Methyl-2-pentanone	0.341	0.389	-14.1	99	0.00
54	T	trans-1,3-Dichloropropene	0.435	0.463	-6.4	97	0.00
55	T	1,1,2-Trichloroethane	0.288	0.269	6.6	94	0.00

Evaluate Continuing Calibration Report

Data File : I:\MS09\DATA\2025 06\28\06282502.D Vial: 2
Acq On : 28 Jun 2025 15:30 Operator: TZ
Sample : CCV R09062825 25ng Inst : MS09
Misc : S38-05212501/S38-06242504 (7/23)

Quant Time: Jun 29 01:26:11 2025
Quant Method : I:\MS09\METHODS\R09060425.M
Quant Title : EPA TO-15 per SOP VOA-TO15 (CASS TO-15/GC-MS)
QLast Update : Fri Jun 13 09:02:22 2025
Response via : Initial Calibration
DataAcq Meth:TO15M.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
56	IR	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	114	0.00
57	S	Toluene-d8 (SS2)	5.498	5.156	6.2	107	0.00
58	T	Toluene	5.433	4.718	13.2	95	-0.01
59	T	2-Hexanone	3.075	3.226	-4.9	104	-0.02
60	T	Dibromochloromethane	1.425	1.340	6.0	92	0.00
61	T	1,2-Dibromoethane	1.500	1.360	9.3	93	-0.01
62	T	n-Butyl Acetate	3.121	3.460	-10.9	104	-0.01
63	T	n-Octane	1.174	1.164	0.9	101	-0.01
64	T	Tetrachloroethene	1.390	1.142	17.8	88	0.00
65	T	Chlorobenzene	3.589	3.073	14.4	93	0.00
66	T	Ethylbenzene	5.955	5.510	7.5	96	0.00
67	T	m- & p-Xylenes	4.796	4.467	6.9	96	-0.01
68	T	Bromoform	1.016	1.009	0.7	90	0.00
69	T	Styrene	3.359	3.316	1.3	93	0.00
70	T	o-Xylene	4.801	4.459	7.1	96	-0.01
71	T	n-Nonane	2.610	2.717	-4.1	106	0.00
72	T	1,1,2,2-Tetrachloroethane	2.361	2.276	3.6	97	0.00
73	S	Bromofluorobenzene (SS3)	1.772	1.470	17.0	94	0.00
74	T	Cumene	5.761	5.124	11.1	93	0.00
75	T	alpha-Pinene	2.956	2.881	2.5	95	0.00
76	T	n-Propylbenzene	7.224	6.644	8.0	96	0.00
77	T	3-Ethyltoluene	0.000	0.000	0.0	94	0.00
78	T	4-Ethyltoluene	5.568	5.154	7.4	94	0.00
79	T	1,3,5-Trimethylbenzene	4.831	4.367	9.6	94	0.00
80	T	alpha-Methylstyrene	0.000	0.000	0.0	80	0.00
81	T	2-Ethyltoluene	0.000	0.000	0.0	94	0.00
82	T	1,2,4-Trimethylbenzene	4.764	4.495	5.6	95	0.00
83	T	n-Decane	0.000	0.000	0.0	105	-0.01
84	T	Benzyl Chloride	3.452	4.017	-16.4	100	-0.01
85	T	1,3-Dichlorobenzene	2.715	2.411	11.2	91	-0.01
86	T	1,4-Dichlorobenzene	2.782	2.429	12.7	90	0.00
87	T	sec-Butylbenzene	6.389	5.798	9.3	94	0.00
88	T	4-Isopropyltoluene (p-Cymen	5.182	4.703	9.2	92	0.00
89	T	1,2,3-Trimethylbenzene	0.000	0.000	0.0	94	0.00
90	T	1,2-Dichlorobenzene	2.751	2.371	13.8	90	0.00
91	T	d-Limonene	1.787	1.930	-8.0	100	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.852	0.830	2.6	89	-0.01
93	T	n-Undecane	0.000	0.000	0.0	102	0.00
94	T	1,2,4-Trichlorobenzene	1.723	1.644	4.6	86	0.00
95	T	Naphthalene	5.421	5.184	4.4	84	0.00
96	T	n-Dodecane	0.000	0.000	0.0	0#	-21.42#
97	T	Hexachlorobutadiene	1.287	1.060	17.6	85	0.00
98	T	Cyclohexanone	0.000	0.000	0.0	176	0.00
99	T	tert-Butylbenzene	4.314	3.914	9.3	94	0.00
100	T	n-Butylbenzene	5.247	5.021	4.3	96	0.00
101	T	1,1,1,2-Tetrachloroethane	1.180	1.055	10.6	91	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0