APPENDIX H
SITE INVESTIGATION REPORT

SITE INVESTIGATION REPORT

TOM OLIVIERI PARK SITE
1221 WILLOW AVENUE
BLOCK 174, LOT 11
HOBOKEN, HUDSON COUNTY
NJ PROGRAM INTEREST NO. 1141101

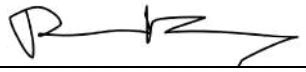
For:

City of Hoboken
94 Washington Street
Hoboken, NJ 07094

BY:

Kenny Environmental Services
4 Sheffield Drive
Marlton, New Jersey 08053

May 26, 2026



Paul Kenny, LSRP

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I. INTRODUCTION

Kenny Environmental Services (KES) is forwarding this Site Investigation Report (SIR) on behalf of the City of Hoboken, for the investigation of an area of concern identified at the site. KES identified, during the performance of a Preliminary Assessment (PA), an area of concern that may contain contaminants above the applicable NJDEP Standards. This Report details the measures taken to investigate the area of concern to document compliance with the New Jersey Department of Environmental Protection (NJDEP) cleanup standards. This report has been prepared in accordance with NJAC 7:26E Technical Requirements for Site Remediation and the Technical Guidance for Site Investigation-Soil, Remedial Investigation-Soil and Remedial Action Verification Sampling for Soil (March 2015). The report only covers the investigation of the following areas of concern:

1. AOC B: Historic Fill

II. SITE DESCRIPTION

A. General Description: The subject property is comprised of approximately 0.1162 acres of Lot 11, Block 174, Class 15C-Public Property, located at 1221 Willow Avenue, Hoboken, Hudson County, New Jersey. The subject site is a public park. The subject site is being redeveloped as a park utilizing NJ Green Acres Funding. The site is generally flat. The area is occupied by a playground. The Site is located in an urban area and surrounded by residential lots and commercial properties. The site's elevation is approximately 2 feet above mean sea level. The Site location is presented on the USGS Quadrangle and Tax Map in Appendix 1.

B. Soil: The soil encountered during the performance of the investigation of this site was fill consisting of a coarse-grained sand with minor amounts of rubble.

C. Hydrology: Groundwater was not encountered during the investigation; however, it is expected to be approximately five (5) to ten (10) feet below grade.

D. Hydrogeology: The area of concern is historic fill material that was placed greater than 100 years ago and the site was developed as urban fill. The groundwater likely travels to the east towards the Hudson River.

E. Topography: The area of concern is generally flat at approximately 2 feet above mean sea level.

F. Wetlands: According to the NJDEP Geo-Web, there are no wetlands on or near the subject site.

III. GENERAL REPORTING INFORMATION

A. SEASONAL INFLUENCES OR SIGNIFICANT IMPACTS ON INVESTIGATION: There were no potential impacts to the investigation, sampling techniques or analytical results for this project.

B. RESULTS AND IMPLICATIONS OF FIELD MEASUREMENTS: The soil at the site was screened for the presence of volatile organic compounds. The soil was screened using olfactory and visual techniques and with a photo-ionization detector (PID). The soil screening was used to bias the soil sample locations. No significant field indicators of contamination were encountered.

C. VARIANCES: Not applicable for this case.

D. DEVIATION FROM GUIDANCE DOCUMENT: Not applicable for this case.

E. CHEMICAL TESTING SUMMARY TABLE: Included in **Appendix 2**.

F. SOIL BORING LOGS: Not applicable for this case.

G. SAMPLE LOCATION PLAN: Included in **Appendix 3**.

H. USABILITY OF LABORATORY DATA: There were no issues identified in any of the chemical test results; therefore, the chemical test results are acceptable. The chemical testing data package is included as **Appendix 4**.

I. SIGNIFICANCE OF LIBRARY RESULTS: The chemical testing did not have any detectable library results.

IV. RECEPTOR EVALUATION: Not applicable for this case.

V. AREAS OF CONCERN INFORMATION:

The following areas of concern were investigated and are the subject of this report:

AOC B: Historic Fill

According to the NJDEP's Historic Fill Map of the Jersey City Quadrangle and NJDEP GeoWeb mapping, Historic Fill is mapped by the NJDEP all around the subject site. Historic Fill is known to be prevalent throughout the City of Hoboken. There are several nearby sites that have Deed Notices due to Historic Fill contamination.

VI. FINDINGS & RECOMMENDATIONS

A. REMEDIATION STANDARDS: The results of the soil sampling and testing were compared to the NJDEP Residential Direct Contact Soil Remediation Standards (SRS), dated May 17, 2021. KES compared the soil chemical test results to the NJDEP Residential Direct Contact Soil Remediation Standards (RDCSRS) and Non-Residential Direct Contact Soil Remediation Standards (NRDCSRS) from NJAC 7:26D, Appendix 1.

B. SITE INVESTIGATION: KES performed a soil investigation to evaluate the integrity of the areas of concern. The goal of the investigation was to determine whether the site contains concentrations of contaminants above the most restrictive NJDEP Soil Remediation Standards (SRS). The investigation consisted of soil screening, soil sampling and testing.

The investigation was carried out on August 11, 2025. Soil samples were collected via hand auger. The recovered soil was characterized and screened for odor and staining. Volatile organic vapor concentrations were measured in the recovered soil with a photo-ionization detector (PID). PID readings were taken of the continuously recovered soil. Soil samples were collected from discrete 6-inch intervals and placed in laboratory supplied sample jars. The samples were placed in coolers and submitted under chain-of-custody procedures to the lab for analysis. Analysis was conducted by York Analytical Laboratories (York) of Toms River, NJ. York is NJDEP certified in the appropriate parameters. The locations of the soil samples are presented on the Sample Location Plan in **Appendix 3**.

Area of Concern B: Historic Fill

KES investigated this area of concern through the collection of two (2) soil samples, designated S-1 and S-2. No significant evidence of suspected contamination was encountered. Soil borings were advanced to approximately two (2) feet below grade. KES collected a representative soil sample from each soil boring at approximately 12 to 18 inches below grade. The soil samples were submitted to York for chemical analysis. Sample S-2 was analyzed for polynuclear aromatic hydrocarbons (PAH) and target analyte list (TAL) metals and sample S-1 was analyzed for extractable petroleum hydrocarbons (EPH) and a full target analyte list/target analyte list (TAL/TCL+30).

RESULTS OF INVESTIGATION: The results of all testing were below the most restrictive NJDEP Soil Remediation Standards (SRS), except for the following:

S-1: Benzo(a)pyrene in sample-S-1 at 0.557 parts per million (PPM). The NJDEP Migration to Groundwater Soil Remediation Standard (MGWSRS) is 19 PPM and both the Residential Ingestion-Dermal Exposure Pathways (RIDEP) is 0.51 PPM, Cadmium at 0.508 PPM, the NJDEP MGWSRS is 0.5 PPM, Cobalt at 5.77 PPM, the MGWSRS is 1.8 PPM and Mercury at 0.287 PPM, the MGWSRS is 0.1 PPM.

S-2: Cobalt at 5.92 PPM, the MGWSRS is 1.8 PPM and Mercury at 0.324 PPM, the MGWSRS is 0.1 PPM.

RECOMMENDATIONS: Based on the results of the investigation, additional investigation and remediation is warranted for the Historic Fill area of concern.

END OF REPORT

APPENDIX 1

SITE MAP

SITE INVESTIGATION REPORT
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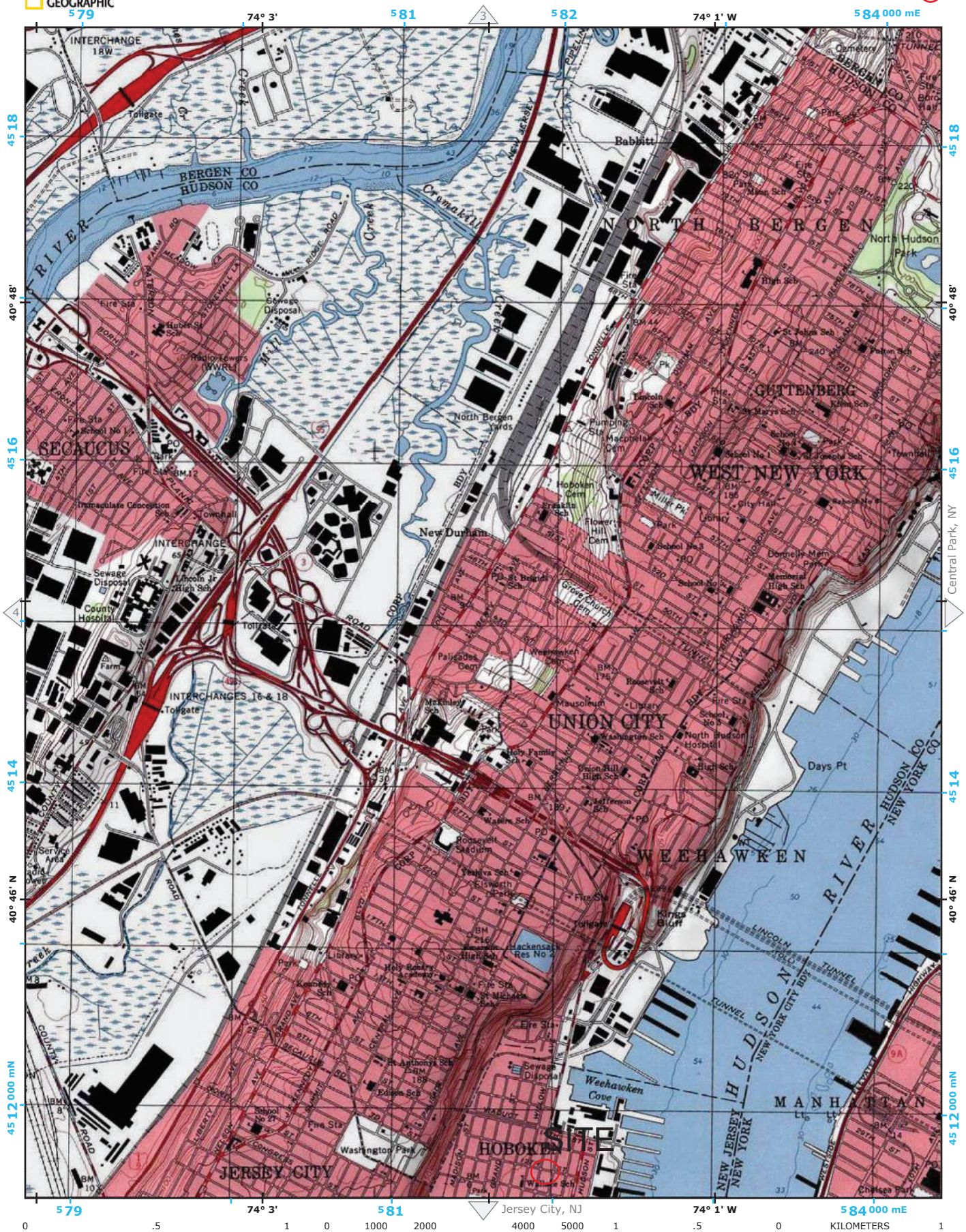

APPENDIX 2

CHEMICAL SUMMARY TABLE

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Tom Olivieri Park York ID Sampling Date Client Matrix	Sample ID	NJDEP Soil Remediation Standards Migration to Ground Water 080425	NJDEP Soil Remediation Stds Ingestion Dermal Exposure - NonResidential 020325	NJDEP Soil Remediation Stds Ingestion Dermal Exposure -Residential 020325	NJDEP Soil Remediation Stds Inhalation Exposure - NonResidential 020325	NJDEP Soil Remediation Stds Inhalation Exposure -Residential 020325	T5H0412-01 S-1 8/11/2025 10:00:00 AM Soil			T5H0412-02 S-2 8/11/2025 10:05:00 AM Soil		
Compound	**CAS Number**						**Result**	**RL**	**MDL**	**Result**	**RL**	**MDL**
VOA, 8260D		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg				
1,1,1-Trichloroethane	71-55-6	12	~	160,000	~	~	ND	0.00357	0.00132			
1,1,2,2-Tetrachloroethane	79-34-5	0.0050	18	3.5	~	~	ND	0.00357	0.00136			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	~	~	~	~	~	ND	0.00357	0.00135			
1,1,2-Trichloroethane	79-00-5	0.0050	64	12	~	~	ND	0.00357	0.00138			
1,1-Dichloroethane	75-34-3	0.11	640	120	~	~	ND	0.00357	0.00124			
1,1-Dichloroethylene	75-35-4	0.21	180	11	240	52	ND	0.00357	0.00143			
1,2,3-Trichlorobenzene	87-61-6	~	~	~	~	~	ND	0.00357	0.00134			
1,2,4-Trichlorobenzene	120-82-1	0.063	13,000	780	~	94	ND	0.00357	0.00137			
1,2-Dibromoethane	106-93-4	0.005	1.8	0.35	0.41	0.085	ND	0.00357	0.00118			
1,2-Dichlorobenzene	95-50-1	3.9	110,000	6,700	~	~	ND	0.00357	0.00117			
1,2-Dichloroethane	107-06-2	0.0050	30	5.8	320	71	ND	0.00357	0.00122			
1,2-Dichloropropane	78-87-5	0.0053	98	19	27	5.7	ND	0.00357	0.00137			
1,3-Dichlorobenzene	541-73-1	0.092	110,000	6,700	~	~	ND	0.00357	0.00124			
1,4-Dichlorobenzene	106-46-7	0.27	13,000	780	~	~	ND	0.00357	0.00126			
2-Butanone	78-93-3	14	780,000	47,000	~	~	ND	0.0143	0.0126			
2-Hexanone	591-78-6	0.15	6,500	390	~	1,000	ND	0.00715	0.00157			
4-Methyl-2-pentanone	108-10-1	~	~	~	~	~	ND	0.00715	0.00119			
Acetone	67-64-1	19	~	70,000	~	~	ND	0.00715	0.00652			
Benzene	71-43-2	0.0050	16	3	11	2.2	ND	0.00357	0.00132			
Bromochloromethane	74-97-5	~	~	~	~	~	ND	0.00357	0.00121			
Bromodichloromethane	75-27-4	0.005	59	11	~	~	ND	0.00357	0.00124			
Bromoform	75-25-2	0.033	460	88	~	~	ND	0.00357	0.00134			
Bromomethane	74-83-9	0.043	1,800	110	82	18	ND	0.00357	0.00312			
Carbon disulfide	75-15-0	3.7	~	~	~	~	ND	0.00357	0.00187			
Carbon tetrachloride	56-23-5	0.0075	40	7.6	6.9	1.4	ND	0.00357	0.00273			
Chlorobenzene	108-90-7	0.64	8,400	510	~	~	ND	0.00357	0.00124			
Chloroethane	75-00-3	~	~	~	~	~	ND	0.00357	0.00142			
Chloroform	67-66-3	0.33	13,000	780	~	590	ND	0.00357	0.0019			
Chloromethane	74-87-3	~	~	~	1,200	270	ND	0.00357	0.00148			
cis-1,2-Dichloroethylene	156-59-2	0.056	13,000	780	~	~	ND	0.00357	0.00125			
cis-1,3-Dichloropropylene	10061-01-5	~	~	~	~	~	ND	0.00357	0.00122			
Cyclohexane	110-82-7	~	~	~	~	~	ND	0.00357	0.00141			
Dibromochloromethane	124-48-1	0.005	43	8.3	~	~	ND	0.00357	0.00121			
Dichlorodifluoromethane	75-71-8	38	260,000	16,000	~	~	ND	0.00357	0.0016			
Ethyl Benzene	100-41-4	3.3	130,000	7,800	48	10	ND	0.00357	0.00143			
Isopropylbenzene	98-82-8	22	130,000	7,800	~	~	ND	0.00357	0.00134			
Methyl acetate	79-20-9	22	~	78,000	~	~	ND	0.00715	0.00474			
Methyl tert-butyl ether (MTBE)	1634-04-4	0.25	13,000	780	650	140	ND	0.00357	0.00125			
Methylcyclohexane	108-87-2	~	~	~	~	~	ND	0.00357	0.00146			
Methylene chloride	75-09-2	0.026	260	50	~	1,400	ND	0.005	0.00486			
o-Xylene	95-47-6	19	190,000	12,000	~	~	0.00172 J	0.00357	0.00137			
p- & m- Xylenes	179601-23-1	19	190,000	12,000	~	~	0.00515 J	0.00715	0.00301			
Styrene	100-42-5	2.1	260,000	16,000	~	~	ND	0.00357	0.00119			
tert-Butyl alcohol (TBA)	75-65-0	0.32	23,000	1,400	~	~	ND	0.0536	0.019			
Tetrachloroethylene	127-18-4	0.0050	1,700	330	~	47	ND	0.00357	0.00124			
Toluene	108-88-3	7.8	100,000	6,300	~	~	ND	0.00357	0.00138			
trans-1,2-Dichloroethylene	156-60-5	0.56	22,000	1,300	~	~	ND	0.00357	0.00137			
trans-1,3-Dichloropropylene	10061-02-6	~	~	~	~	~	ND	0.00357	0.00126			
Trichloroethylene	79-01-6	0.0050	79	15	14	3	ND	0.00357	0.00134			
Trichlorofluoromethane	75-69-4	29	390,000	23,000	~	~	ND	0.00357	0.00148			
Vinyl Chloride	75-01-4	0.0050	5.0	0.97	6.4	1.4	ND	0.00357	0.00209			
Xylenes, Total	1330-20-7	19	190,000	12,000	~	~	0.00686	0.00357	0.00301			
Total Tentatively Identified Compounds		~	~	~	~	~	**0**					
SVOA, 8270E		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg				
1,1-Biphenyl	92-52-4	1.0	450	87	~	~	ND	0.0333	0.0108			
1,2,4,5-Tetrachlorobenzene	95-94-3	~	390	23	~	~	ND	0.0832	0.0135			
1-Methylnaphthalene	90-12-0	~	~	~	~	~	ND	0.0333	0.00649			
2,3,4,6-Tetrachlorophenol	58-90-2	26	27,000	1,900	~	~	ND	0.0333	0.0101			
2,4,5-Trichlorophenol	95-95-4	68	91,000	6,300	~	~	ND	0.0333	0.00709			
2,4,6-Trichlorophenol	88-06-2	0.20	230	49	~	~	ND	0.0333	0.00959			
2,4-Dichlorophenol	120-83-2	0.19	2,700	190	~	~	ND	0.0333	0.00579			
2,4-Dimethylphenol	105-67-9	2.3	18,000	1,300	~	~	ND	0.0333	0.00549			
2,4-Dinitrophenol	51-28-5	0.33	1,800	130	~	~	ND	0.166	0.0453			
2,4-Dinitrotoluene	121-14-2	0.27	3.8	0.8	~	~	ND	0.166	0.0314			
2,6-Dinitrotoluene	606-20-2	0.27	4	0.8	~	~	ND	0.166	0.0347			
2-Chloronaphthalene	91-58-7	~	67,000	4,800	~	~	ND	0.0333	0.00939			
2-Chlorophenol	95-57-8	0.76	6,500	390	~	~	ND	0.0333	0.00699			
2-Methylnaphthalene	91-57-6	3.1	3,300	240	~	~	ND	0.0333	0.0104			
2-Methylphenol	95-48-7	0.77	4,600	320	~	~	ND	0.0333	0.00449			
2-Nitroaniline	88-74-4	~	~	~	~	~	ND	0.166	0.0284			
2-Nitrophenol	88-75-5	~	~	~	~	~	ND	0.166	0.0329			
3- & 4-Methylphenols	65794-96-9	0.75	9,100	630	~	~	ND	0.0333	0.00779			
3,3'-Dichlorobenzidine	91-94-1	~	~	~	~	~	ND	0.0333	0.0135			
3-Nitroaniline	99-09-2	~	~	~	~	~	ND	0.166	0.0243			
4,6-Dinitro-2-methylphenol	534-52-1	~	~	~	~	~	ND	0.166	0.0258			
4-Bromophenyl phenyl ether	101-55-3	~	~	~	~	~	ND	0.0333	0.00909			
4-Chloro-3-methylphenol	59-50-7	~	~	~	~	~	ND	0.0333	0.00739			
4-Chloroaniline	106-47-8	0.17	13	2.7	~	~	ND	0.0333	0.00719			
4-Chlorophenyl phenyl ether	7005-72-3	~	~	~	~	~	ND	0.0333	0.00609			
4-Nitroaniline	100-01-6	~	130	27	~	~	ND	0.166	0.0406			
4-Nitrophenol	100-02-7	~	~	~	~	~	ND	0.166	0.04			
Acenaphthene	83-32-9	~	50,000	3,600	~	~	0.013 J	0.0333	0.00779			
Acenaphthylene	208-96-8	~	~	~	~	~	0.0103 J	0.0333	0.00659			
Acetophenone	98-86-2	3.6	130,000	7,800	~	~	ND	0.0333	0.00749			
Anthracene	120-12-7	~	250,000	18,000	~	~	0.0539	0.0333	0.00629			
Atrazine	1912-24-9	0.33	3,200	220	~	~	ND	0.0333	0.00769			
Benzaldehyde	100-52-7	~	910	170	~	~	ND	0.166	0.0199			
Benzo(a)anthracene	56-55-3	0.71	23	5.1	370,000	78,000	0.497	0.0333	0.00769			
Benzo(a)pyrene	50-32-8	~	2.3	0.51	16,000	3,500	0.474	0.0333	0.0137			
Benzo(b)fluoranthene	205-99-2	~	23	5.1	370,000	78,000	0.497	0.0333	0.0154			
Benzo(g,h,i)perylene	191-24-2	~	~	~	~	~	ND	0.0333	0.00459			
Benzo(k)fluoranthene	207-08-9	~	230	51	~	780,000	0.497	0.0333	0.0113			
Benzyl butyl phthalate	85-68-7	5.2	1,300	290	~	~	ND	0.0333	0.00929			
Bis(2-chloroethoxy)methane	111-91-1	~	2,700	190	~	~	ND	0.0333	0.00559			
Bis(2-chloroethyl)ether	111-44-4	0.33	3.3	0.63	~	~	ND	0.0333	0.00589			
Bis(2-chloroisopropyl)ether	108-60-1	~	~	~	~	~	ND	0.0333	0.00729			
Bis(2-ethylhexyl)phthalate	117-81-7	14	180	39	~	~	0.0732	0.0333	0.00859			
Caprolactam	105-60-2	16	460,000	32,000	1,300	290	ND	0.166	0.0441			
Carbazole	86-74-8	~	~	~	~	~	0.0156 J	0.0333	0.00729			
Chrysene	218-01-9	~	2,300	510	~	~	0.548	0.0333	0.00929			
Dibenzo(a,h)anthracene	53-70-3	~	2.3	0.51	37,000	7,800	0.102	0.0333	0.00879			
Dibenzofuran	132-64-9	~	~	~	~	~	ND	0.0333	0.00729			
Diethyl phthalate	84-66-2	44	730,000	51,000	~	~	ND	0.0333	0.00939			
Dimethyl phthalate	131-11-3	~	~	~	~	~	ND	0.0333	0.00929			
Di-n-butyl phthalate	84-74-2	~	91,000	6,300	~	~	ND	0.0333	0.00579			
Di-n-octyl phthalate	117-84-0	~	9,100	630	~	~	ND	0.0333	0.00699			
Fluoranthene	206-44-0	~	33,000	2,400	~	~	0.823	0.0333	0.00709			

Fluorene	86-73-7	~	33,000	2,400	~	~	0.0146	J	0.0333	0.00869			
Hexachlorobenzene	118-74-1	0.17	2.3	0.43	~	~	ND		0.0333	0.00669			
Hexachlorobutadiene	87-68-3	0.17	47	8.9	~	~	ND		0.0333	0.0133			
Hexachlorocyclopentadiene	77-47-4	2.5	7,800	470	~	2.7	ND		0.166	0.0277			
Hexachloroethane	67-72-1	0.17	91	17	~	~	ND		0.0333	0.00819			
Indeno(1,2,3-cd)pyrene	193-39-5	~	23	5.1	370,000	78,000	0.196		0.0333	0.00829			
Isophorone	78-59-1	0.23	2,700	570	~	~	ND		0.0333	0.00889			
Naphthalene	91-20-3	19	34,000	2,500	27	5.7	ND		0.0333	0.00649			
Nitrobenzene	98-95-3	0.17	2,600	160	36	7.5	ND		0.0333	0.0333			
N-nitroso-di-n-propylamine	621-64-7	0.17	0.36	0.17	~	~	ND		0.0333	0.00689			
N-Nitrosodiphenylamine / Diphenylamine	86-30-6	~	~	~	~	~	ND		0.0333	0.00729			
Pentachlorophenol	87-86-5	0.33	4.4	1	~	~	ND		0.166	0.0245			
Phenanthrene	85-01-8	~	~	~	~	~	0.258		0.0333	0.00899			
Phenol	108-95-2	21	270,000	19,000	~	39,000	ND		0.0333	0.00789			
Pyrene	129-00-0	~	25,000	1,800	~	~	1		0.0333	0.00779			
Total Tentatively Identified Compounds		~	~	~	~	~	**4.698**						
SVOA, 8270E - PAHs		**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**						**mg/kg**	
2-Methylnaphthalene	91-57-6	3.1	3,300	240	~	~					ND	0.0331	0.0103
Acenaphthene	83-32-9	~	50,000	3,600	~	~					0.0195	J 0.0331	0.00775
Acenaphthylene	208-96-8	~	~	~	~	~					0.0202	J 0.0331	0.00656
Anthracene	120-12-7	~	250,000	18,000	~	~					0.0663	0.0331	0.00626
Benzo(a)anthracene	56-55-3	0.71	23	5.1	370,000	78,000					0.515	0.0331	0.00765
Benzo(a)pyrene	50-32-8	~	2.3	0.51	16,000	3,500					**0.557**	0.0331	0.0136
Benzo(b)fluoranthene	205-99-2	~	23	5.1	370,000	78,000					1.17	0.0331	0.0153
Benzo(g,h,i)perylene	191-24-2	~	~	~	~	~					0.244	0.0331	0.00457
Benzo(k)fluoranthene	207-08-9	~	230	51	~	780,000					0.475	0.0331	0.0112
Chrysene	218-01-9	~	2,300	510	~	~					0.574	0.0331	0.00924
Dibenzo(a,h)anthracene	53-70-3	~	2.3	0.51	37,000	7,800					0.0576	0.0331	0.00875
Fluoranthene	206-44-0	~	33,000	2,400	~	~					0.874	0.0331	0.00706
Fluorene	86-73-7	~	33,000	2,400	~	~					0.0162	J 0.0331	0.00865
Indeno(1,2,3-cd)pyrene	193-39-5	~	23	5.1	370,000	78,000					0.231	0.0331	0.00825
Naphthalene	91-20-3	19	34,000	2,500	27	5.7					0.0186	J 0.0331	0.00646
Phenanthrene	85-01-8	~	~	~	~	~					0.321	0.0331	0.00894
Pyrene	129-00-0	~	25,000	1,800	~	~					0.979	0.0331	0.00775
PEST, 8081B		**mg/kg**	**mg/kg**	**mg/kg**				**mg/kg**					
4,4'-DDD	72-54-8	0.47	11	2.3	~	~	ND		0.000653	0.000475			
4,4'-DDE	72-55-9	0.94	11	2	~	~	ND		0.000653	0.000462			
4,4'-DDT	50-29-3	0.67	9.5	1.9	~	~	ND		0.000653	0.00057			
Aldrin	309-00-2	0.066	0.21	0.041	~	~	ND		0.000653	0.000471			
alpha-BHC	319-84-6	0.0023	0.41	0.086	~	~	ND		0.000653	0.000404			
alpha-Chlordane	5103-71-9	~	~	~	~	~	0.00527	P	0.000653	0.000464			
beta-BHC	319-85-7	~	1.4	0.3	~	~	ND		0.000653	0.000535			
delta-BHC	319-86-8	~	~	~	~	~	ND		0.000653	0.000429			
Dieldrin	60-57-1	0.016	0.16	0.034	~	~	0.00272		0.000653	0.000432			
Endosulfan I	959-98-8	~	7,800	470	~	~	ND		0.000653	0.000463			
Endosulfan II	33213-65-9	~	7,800	470	~	~	ND		0.000653	0.000471			
Endosulfan sulfate	1031-07-8	~	~	~	~	~	ND		0.000653	0.000549			
Endrin	72-20-8	1.6	270	19	~	~	ND		0.000653	0.000472			
Endrin aldehyde	7421-93-4	~	~	~	~	~	ND		0.000653	0.00049			
Endrin ketone	53494-70-5	~	~	~	~	~	ND		0.000653	0.00049			
gamma-BHC (Lindane)	58-89-9	0.0035	2.8	0.57	~	~	ND		0.000653	0.000449			
gamma-Chlordane	5566-34-7	~	~	~	~	~	0.00231	P	0.000653	0.000522			
Heptachlor	76-44-8	0.033	0.81	0.15	~	~	ND		0.000653	0.000528			
Heptachlor epoxide	1024-57-3	0.0081	0.40	0.076	~	~	ND		0.000653	0.000437			
Methoxychlor	72-43-5	0.11	4,600	320	~	~	ND		0.000653	0.000461			
Toxaphene	8001-35-2	3.7	2.3	0.49	~	~	ND		0.0327	0.0314			
Metals, (6010D ICP) Ag		**mg/kg**	**mg/kg**	**mg/kg**				**mg/kg**				**mg/kg**	
Silver	7440-22-4	0.5	6,500	390	~	~	ND		0.328	0.052	ND	0.319	0.05
Metals, (6010D ICP) Al				**mg/kg**				**mg/kg**				**mg/kg**	
Aluminum	7429-90-5	~	~	78,000	~	~	7910	D	49.2	11	7990	D 47.8	10.7
Metals, (6010D ICP) As		**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**		**mg/kg**				**mg/kg**	
Arsenic	7440-38-2	19	19	19	5,200	1,100	5.26	D	3.28	0.832	5.04	D 3.19	0.81
Metals, (6010D ICP) Ba		**mg/kg**	**mg/kg**	**mg/kg**		**mg/kg**		**mg/kg**				**mg/kg**	
Barium	7440-39-3	2,100	260,000	16,000	~	870,000	80.2	D	0.655	0.178	81.1	D 0.638	0.173
Metals, (6010D ICP) Be		**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**		**mg/kg**				**mg/kg**	
Beryllium	7440-41-7	0.7	2,600	160	9,300	2,000	0.443	D	0.328	0.054	0.436	D 0.319	0.053
Metals, (6010D ICP) Ca								**mg/kg**				**mg/kg**	
Calcium	7440-70-2	~	~	~	~	~	7820	D	24.6	2.92	8370	D 23.9	2.84
Metals, (6010D ICP) Cd		**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**		**mg/kg**				**mg/kg**	
Cadmium	7440-43-9	0.50	1,100	71	12,000	2,600	0.458		0.066	0.018	**0.508**	**D** 0.319	0.088
Metals, (6010D ICP) Co		**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**		**mg/kg**				**mg/kg**	
Cobalt	7440-48-4	1.8	390	23	2,500	520	**5.92**		1.64	0.226	**5.77**	1.59	0.22
Metals, (6010D ICP) Cr								**mg/kg**				**mg/kg**	
Chromium	7440-47-3	~	~	~	~	~	19.7	D	1.64	0.263	55.6	D 1.59	0.256
Metals, (6010D ICP) Fe								**mg/kg**				**mg/kg**	
Iron	7439-89-6	~	~	~	~	~	16200	D	32.8	3.06	17900	D 31.9	2.98
Metals, (6010D ICP) K								**mg/kg**				**mg/kg**	
Potassium	7440-09-7	~	~	~	~	~	1200	D	164	24.3	1220	D 159	23.6
Metals, (6010D ICP) Mg								**mg/kg**				**mg/kg**	
Magnesium	7439-95-4	~	~	~	~	~	3450	D	49.2	10.2	3720	D 47.8	9.95
Metals, (6010D ICP) Mn			**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**		**mg/kg**				**mg/kg**	
Manganese	7439-96-5	~	31,000	1,900	400,000	87,000	334	D	0.819	0.134	496	D 0.797	0.131
Metals, (6010D ICP) Na								**mg/kg**				**mg/kg**	
Sodium	7440-23-5	~	~	~	~	~	176		32.8	3.6	207	31.9	3.51
Metals, (6010D ICP) Ni		**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**		**mg/kg**				**mg/kg**	
Nickel	7440-02-0	48	26,000	1,600	93,000	20,000	17.1	D	1.64	0.456	16.3	D 1.59	0.443
Metals, (6010D ICP) Pb		**mg/kg**	**mg/kg**	**mg/kg**				**mg/kg**				**mg/kg**	
Lead	7439-92-1	90	800	200	~	~	86.7	D	3.28	0.472	85.1	D 3.19	0.459
Metals, (6010D ICP) Sb		**mg/kg**	**mg/kg**	**mg/kg**				**mg/kg**				**mg/kg**	
Antimony	7440-36-0	5.4	520	31	~	~	0.175	J	0.655	0.17	0.278	J 0.638	0.166
Metals, (6010D ICP) Se		**mg/kg**	**mg/kg**	**mg/kg**				**mg/kg**				**mg/kg**	
Selenium	7782-49-2	11	6,500	390	~	~	ND		1.31	0.405	ND	1.28	0.394
Metals, (6010D ICP) Tl								**mg/kg dry**				**mg/kg dry**	
Thallium	7440-28-0	~	~	~	~	~	ND		0.655	0.332	ND	0.638	0.323
Metals, (6010D ICP) V			**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**		**mg/kg**				**mg/kg**	
Vanadium	7440-62-2	~	6,500	390	800,000	170,000	26	D	1.64	0.29	32.6	D 1.59	0.282
Metals, (6010D ICP) Zn		**mg/kg**	**mg/kg**	**mg/kg**				**mg/kg**				**mg/kg**	
Zinc	7440-66-6	930	390,000	23,000	~	~	193	D	4.92	1.11	129	D 4.78	1.08
Metals, (7000B FLAA) Cu		**mg/kg**	**mg/kg**	**mg/kg**				**mg/kg**				**mg/kg**	
Copper	7440-50-8	910	52,000	3,100	~	~	420	D	16.4	3.97	42.8	3.19	0.772
Metals, Mercury (7470A/7471B)		**mg/kg**	**mg/kg**	**mg/kg**		**mg/kg**		**mg/kg**				**mg/kg**	
Mercury	7439-97-6	0.1	390	23	~	520,000	**0.324**		0.0332	0.0157	**0.287**	0.042	0.0199
Cyanide		**mg/kg**	**mg/kg**	**mg/kg**				**mg/kg**					
Cyanide, total	57-12-5	1.0	780	47	~	~	ND		0.99	0.277			
Total Solids								**%**				**%**	
% Solids	solids	~	~	~	~	~	99.1				99.2		
NJDEP EPH CAT1 (Non-Frac)			**mg/kg**	**mg/kg**				**mg/kg**					
C9 to C28 Hydrocarbons (EC Range)		~	75,000	5,300	~	~	79.8		18.2	3.05			
PCB, 8082A		**mg/kg**	**mg/kg**	**mg/kg**				**mg/kg**					
Aroclor 1016	12674-11-2	~	~	~	~	~	ND		0.0165	0.0103			

Aroclor 1221	11104-28-2	~	~	~	~	~	ND	0.0165	0.0103			
Aroclor 1232	11141-16-5	~	~	~	~	~	ND	0.0165	0.0103			
Aroclor 1242	53469-21-9	~	~	~	~	~	ND	0.0165	0.0103			
Aroclor 1248	12672-29-6	~	~	~	~	~	ND	0.0165	0.0103			
Aroclor 1254	11097-69-1	~	~	~	~	~	0.0611	0.0165	0.0101			
Aroclor 1260	11096-82-5	~	~	~	~	~	0.0596	0.0165	0.0101			
Aroclor 1262	37324-23-5	~	~	~	~	~	ND	0.0165	0.0101			
Aroclor 1268	11100-14-4	~	~	~	~	~	ND	0.0165	0.0101			
Total PCBs	1336-36-3	0.63	1.1	0.25	~	~	0.121	0.0165	0.0101			

NOTES:

Any Regulatory Exceedences are color coded by Regulation

DEFINITIONS:

ND=not detected

D=result is from an analysis that required a dilution

J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

B=analyte found in the analysis batch blank

E=result is estimated and cannot be accurately reported due to levels encountered or interferences

P=this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis

~=this indicates that no regulatory limit has been established for this analyte

DISCLAIMER:

APPENDIX 3

SAMPLE LOCATION PLAN

SITE INVESTIGATION REPORT
TOM OLIVIERI PARK SITE
1221 WILLOW AVENUE
BLOCK 174, LOT 11
HOBOKEN, HUDSON COUNTY, NJ


Kenny Environmental Services
4 Sheffield Drive
Marlton NJ 08053
Sample Location Plan
Tom Olivieri Park
1221 Willow Avenue
Block 174, Lot 11
Hoboken, NJ
May 2026
S-1
SITE
S-2
LEGEND
S-1 Soil Sample Location
B: 174
L: 10
B: 174

APPENDIX 4

CHEMICAL TESTING DATA PACKAGE

SITE INVESTIGATION REPORT T
OM OLIVIERI PARK SITE
1221 WILLOW AVENUE
BLOCK 174, LOT 11
HOBOKEN, HUDSON COUNTY, NJ

Technical Report

prepared for:

Kenny Environmental Services
4 Sheffield Dr
Marlton NJ, 08053
Attention: Paul Kenny

Report Date: 08/25/2025
Client Project ID: Tom Olivieri Park
York Project (SDG) No.: T5H0412

York Analytical Laboratories
NJ Certificate No. 15001
MA Certificate No. NJ1364
CT Certificate No. CT-PH-0835
2161 Whitesville Road, Toms River, NJ 08755
www.YORKLAB.com (732) 905-5000 EnvironmentalServices-TomsRiver@yorklab.com

Report Date: 08/25/2025
Client Project ID: Tom Olivieri Park
York Project (SDG) No.: T5H0412

Kenny Environmental Services
4 Sheffield Dr
Marlton NJ, 08053
Attention: Paul Kenny

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 12, 2025 and listed below. The project was identified as your project: **Tom Olivieri Park**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 732.905.5000 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
T5H0412-01	S-1	Soil	08/11/2025	08/12/2025
T5H0412-02	S-2	Soil	08/11/2025	08/12/2025

General Notes for York Project (SDG) No.: T5H0412

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses were conducted by York Analytical Laboratories- Toms River (Formerly Precision Analytical Services) located at 2161 Whitesville Rd, Toms River, NJ 08755, unless noted in the report.

Approved By: Joseph Ravino **Date:** 08/25/2025

Joseph Ravino
Laboratory Director

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Client Project Name: Tom Olivieri Park
Work Order Number: T5H0412

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CERTIFICATE OF ANALYSIS

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Project:	Tom Olivieri Park

	Client Sample Id:	Lab Sample Id:	Matrix:
EPH Category 1 by GC/FID	S-1	T5H0412-01	Soil
Mercury by Cold-Vapor Atomic Absorption	S-1	T5H0412-01	Soil
	S-1	T5H0412-01RE1	Soil
	S-2	T5H0412-02	Soil
Metals by Flame AA	S-1	T5H0412-01	Soil
	S-2	T5H0412-02	Soil
Metals by ICP	S-1	T5H0412-01	Soil
	S-1	T5H0412-01RE1	Soil
	S-2	T5H0412-02	Soil
	S-2	T5H0412-02RE1	Soil
Organochlorine Pesticides by GC/ECD	S-1	T5H0412-01	Soil
Polychlorinated Biphenyls by GC/ECD	S-1	T5H0412-01	Soil
Semivolatile Organic Compounds (BNs) by GC/MS	S-2	T5H0412-02	Soil
Semivolatile Organic Compounds by GC/MS	S-1	T5H0412-01	Soil
Total Solids	S-1	T5H0412-01	Soil
	S-2	T5H0412-02	Soil
Volatile Organic Compounds by GC/MS	S-1	T5H0412-01	Soil
Wet Chemistry Parameters			

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the project narrative. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature below.

Signature: Joseph Ravino

Name: Joseph Ravino

Date: 8/25/2025

Title: Laboratory Director

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Analyzed by: York Analytical Laboratories- Toms River

Client:	Kenny Environmental Services	**York Work Order No:**	T5H0412
Client Project:	Tom Olivieri Park	**Date Received:**	8/12/25 5:05 pm

Analysis:	**EPH Category 1 by GC/FID**	**Matrix:**	Soil
Prep Method:	SW-846 3546 (GC)	**Client ID:**	S-1
Reference Method:	NJDEP EPH Rev 3.0	**Collection Date/Time:**	8/11/25 10:00 am

Lab ID	Parameter	Result	Flag	RL	MDL	Dilution	Units	Analyzed
T5H0412-01	C9 to C28 Hydrocarbons (EC Range)	**79.8**		18.2		1	mg/kg dry	8/14/25 9:29 am

Analysis:	**Metals by ICP**	**Matrix:**	Soil
Prep Method:	SW-846 3050B	**Client ID:**	S-1
Reference Method:	SW-846 6010D	**Collection Date/Time:**	8/11/25 10:00 am

Lab ID	Parameter	Result	Flag	RL	MDL	Dilution	Units	Analyzed
T5H0412-01RE1	Aluminum	**7910**		49.2	11.0	5	mg/kg dry	8/18/25 12:43 pm
T5H0412-01	Antimony	**0.175**	J	0.655	0.170	1	mg/kg dry	8/18/25 12:16 pm
T5H0412-01RE1	Arsenic	**5.26**		3.28	0.832	5	mg/kg dry	8/18/25 12:43 pm
T5H0412-01RE1	Barium	**80.2**		0.655	0.178	5	mg/kg dry	8/18/25 12:43 pm
T5H0412-01RE1	Beryllium	**0.443**		0.328	0.054	5	mg/kg dry	8/18/25 12:43 pm
T5H0412-01	Cadmium	**0.458**		0.066	0.018	1	mg/kg dry	8/18/25 12:16 pm
T5H0412-01RE1	Calcium	**7820**		24.6	2.92	5	mg/kg dry	8/18/25 12:43 pm
T5H0412-01RE1	Chromium	**19.7**	A-02	1.64	0.263	5	mg/kg dry	8/18/25 12:43 pm
T5H0412-01	Cobalt	**5.92**		1.64	0.226	1	mg/kg dry	8/18/25 12:16 pm
T5H0412-01RE1	Iron	**16200**		32.8	3.06	5	mg/kg dry	8/18/25 12:43 pm
T5H0412-01RE1	Lead	**86.7**		3.28	0.472	5	mg/kg dry	8/18/25 12:43 pm
T5H0412-01RE1	Magnesium	**3450**		49.2	10.2	5	mg/kg dry	8/18/25 12:43 pm
T5H0412-01RE1	Manganese	**334**		0.819	0.134	5	mg/kg dry	8/18/25 12:43 pm
T5H0412-01RE1	Nickel	**17.1**		1.64	0.456	5	mg/kg dry	8/18/25 12:43 pm
T5H0412-01RE1	Potassium	**1200**		164	24.3	5	mg/kg dry	8/18/25 12:43 pm
T5H0412-01	Selenium	ND		1.31	0.405	1	mg/kg dry	8/18/25 12:16 pm
T5H0412-01	Silver	ND		0.328	0.052	1	mg/kg dry	8/18/25 12:16 pm
T5H0412-01	Sodium	**176**		32.8	3.60	1	mg/kg dry	8/18/25 12:16 pm
T5H0412-01	Thallium	ND		0.655	0.332	1	mg/kg dry	8/18/25 12:16 pm
T5H0412-01RE1	Vanadium	**26.0**		1.64	0.290	5	mg/kg dry	8/18/25 12:43 pm
T5H0412-01RE1	Zinc	**193**		4.92	1.11	5	mg/kg dry	8/18/25 12:43 pm

Analysis:	**Metals by Flame AA**	**Matrix:**	Soil
Prep Method:	SW-846 3050B	**Client ID:**	S-1
Reference Method:	SW-846 7000B	**Collection Date/Time:**	8/11/25 10:00 am

Lab ID	Parameter	Result	Flag	RL	MDL	Dilution	Units	Analyzed
T5H0412-01	Copper	**420**		16.4	3.97	5	mg/kg dry	8/19/25 2:27 pm

Analysis:	**Mercury by Cold-Vapor Atomic Absorption**	**Matrix:**	Soil
Prep Method:	SW-846 7471B	**Client ID:**	S-1
Reference Method:	SW-846 7471B	**Collection Date/Time:**	8/11/25 10:00 am

Lab ID	Parameter	Result	Flag	RL	MDL	Dilution	Units	Analyzed
T5H0412-01	Mercury	**0.324**		0.0332	0.0157	1	mg/kg dry	8/15/25 10:57 am

Client:	Kenny Environmental Services	**York Work Order No:**	T5H0412
Client Project:	Tom Olivieri Park	**Date Received:**	8/12/25 5:05 pm

Analysis:	**Organochlorine Pesticides by GC/ECD**	**Matrix:**	Soil
Prep Method:	SW-846 3546 (GC)	**Client ID:**	S-1
Reference Method:	SW-846 8081B	**Collection Date/Time:**	8/11/25 10:00 am

Lab ID	Parameter	Result	Flag	RL	MDL	Dilution	Units	Analyzed
T5H0412-01	4,4'-DDD	ND		0.000653	0.000475	1	mg/kg dry	8/15/25 5:26 pm
T5H0412-01	4,4'-DDE	ND		0.000653	0.000462	1	mg/kg dry	8/15/25 5:26 pm
T5H0412-01	4,4'-DDT	ND		0.000653	0.000570	1	mg/kg dry	8/15/25 5:26 pm
T5H0412-01	Aldrin	ND		0.000653	0.000471	1	mg/kg dry	8/15/25 5:26 pm
T5H0412-01	alpha-BHC	ND		0.000653	0.000404	1	mg/kg dry	8/15/25 5:26 pm
T5H0412-01	alpha-Chlordane	**0.00527**		0.000653	0.000464	1	mg/kg dry	8/15/25 5:26 pm
T5H0412-01	beta-BHC	ND		0.000653	0.000535	1	mg/kg dry	8/15/25 5:26 pm
T5H0412-01	delta-BHC	ND		0.000653	0.000429	1	mg/kg dry	8/15/25 5:26 pm
T5H0412-01	Dieldrin	**0.00272**		0.000653	0.000432	1	mg/kg dry	8/15/25 5:26 pm
T5H0412-01	Endosulfan I	ND		0.000653	0.000463	1	mg/kg dry	8/15/25 5:26 pm
T5H0412-01	Endosulfan II	ND		0.000653	0.000471	1	mg/kg dry	8/15/25 5:26 pm
T5H0412-01	Endosulfan sulfate	ND		0.000653	0.000549	1	mg/kg dry	8/15/25 5:26 pm
T5H0412-01	Endrin	ND		0.000653	0.000472	1	mg/kg dry	8/15/25 5:26 pm
T5H0412-01	Endrin aldehyde	ND		0.000653	0.000490	1	mg/kg dry	8/15/25 5:26 pm
T5H0412-01	Endrin ketone	ND		0.000653	0.000490	1	mg/kg dry	8/15/25 5:26 pm
T5H0412-01	gamma-BHC (Lindane)	ND		0.000653	0.000448	1	mg/kg dry	8/15/25 5:26 pm
T5H0412-01	gamma-Chlordane	**0.00231**		0.000653	0.000522	1	mg/kg dry	8/15/25 5:26 pm
T5H0412-01	Heptachlor	ND		0.000653	0.000528	1	mg/kg dry	8/15/25 5:26 pm
T5H0412-01	Heptachlor epoxide	ND		0.000653	0.000437	1	mg/kg dry	8/15/25 5:26 pm
T5H0412-01	Methoxychlor	ND		0.000653	0.000461	1	mg/kg dry	8/15/25 5:26 pm
T5H0412-01	Toxaphene	ND		0.0327	0.0314	1	mg/kg dry	8/15/25 5:26 pm

Analysis:	**Polychlorinated Biphenyls by GC/ECD**	**Matrix:**	Soil
Prep Method:	SW-846 3546 (GC)	**Client ID:**	S-1
Reference Method:	SW-846 8082A	**Collection Date/Time:**	8/11/25 10:00 am

Lab ID	Parameter	Result	Flag	RL	MDL	Dilution	Units	Analyzed
T5H0412-01	Aroclor 1016	ND		0.0165	0.0103	1	mg/kg dry	8/15/25 5:26 pm
T5H0412-01	Aroclor 1221	ND		0.0165	0.0103	1	mg/kg dry	8/15/25 5:26 pm
T5H0412-01	Aroclor 1232	ND		0.0165	0.0103	1	mg/kg dry	8/15/25 5:26 pm
T5H0412-01	Aroclor 1242	ND		0.0165	0.0103	1	mg/kg dry	8/15/25 5:26 pm
T5H0412-01	Aroclor 1248	ND		0.0165	0.0103	1	mg/kg dry	8/15/25 5:26 pm
T5H0412-01	Aroclor 1254	**0.0611**		0.0165	0.0101	1	mg/kg dry	8/15/25 5:26 pm
T5H0412-01	Aroclor 1260	**0.0596**		0.0165	0.0101	1	mg/kg dry	8/15/25 5:26 pm
T5H0412-01	Aroclor 1262	ND		0.0165	0.0101	1	mg/kg dry	8/15/25 5:26 pm
T5H0412-01	Aroclor 1268	ND		0.0165	0.0101	1	mg/kg dry	8/15/25 5:26 pm
T5H0412-01	Total PCBs	**0.121**		0.0165	0.0101	1	mg/kg dry	8/15/25 5:26 pm

Analysis:	**Volatile Organic Compounds by GC/MS**	**Matrix:**	Soil
Prep Method:	SW-846 5035A	**Client ID:**	S-1
Reference Method:	SW-846 8260D	**Collection Date/Time:**	8/11/25 10:00 am

Lab ID	Parameter	Result	Flag	RL	MDL	Dilution	Units	Analyzed
T5H0412-01	1,1,1-Trichloroethane	ND		0.00357	0.00132	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	1,1,2,2-Tetrachloroethane	ND		0.00357	0.00136	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		0.00357	0.00135	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	1,1,2-Trichloroethane	ND		0.00357	0.00138	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	1,1-Dichloroethane	ND		0.00357	0.00124	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	1,1-Dichloroethylene	ND		0.00357	0.00143	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	1,2,3-Trichlorobenzene	ND		0.00357	0.00134	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	1,2,4-Trichlorobenzene	ND		0.00357	0.00137	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	1,2-Dibromoethane	ND		0.00357	0.00118	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	1,2-Dichlorobenzene	ND		0.00357	0.00117	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	1,2-Dichloroethane	ND		0.00357	0.00122	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	1,2-Dichloropropane	ND		0.00357	0.00137	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	1,3-Dichlorobenzene	ND		0.00357	0.00124	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	1,4-Dichlorobenzene	ND		0.00357	0.00126	1	mg/kg dry	8/14/25 3:59 pm

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Client:	Kenny Environmental Services	**York Work Order No:**	T5H0412
Client Project:	Tom Olivieri Park	**Date Received:**	8/12/25 5:05 pm

Analysis:	**Volatile Organic Compounds by GC/MS**	**Matrix:**	Soil
Prep Method:	SW-846 5035A	**Client ID:**	S-1
Reference Method:	SW-846 8260D	**Collection Date/Time:**	8/11/25 10:00 am

Lab ID	Parameter	Result	Flag	RL	MDL	Dilution	Units	Analyzed
T5H0412-01	2-Butanone	ND		0.0143	0.0126	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	2-Hexanone	ND		0.00715	0.00157	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	4-Methyl-2-pentanone	ND		0.00715	0.00118	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	Acetone	ND		0.00715	0.00652	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	Benzene	ND		0.00357	0.00132	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	Bromochloromethane	ND		0.00357	0.00121	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	Bromodichloromethane	ND		0.00357	0.00124	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	Bromoform	ND		0.00357	0.00134	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	Bromomethane	ND		0.00357	0.00312	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	Carbon disulfide	ND		0.00357	0.00187	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	Carbon tetrachloride	ND		0.00357	0.00273	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	Chlorobenzene	ND		0.00357	0.00124	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	Chloroethane	ND		0.00357	0.00142	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	Chloroform	ND		0.00357	0.00130	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	Chloromethane	ND		0.00357	0.00148	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	cis-1,2-Dichloroethylene	ND		0.00357	0.00125	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	cis-1,3-Dichloropropylene	ND		0.00357	0.00122	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	Cyclohexane	ND		0.00357	0.00141	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	Dibromochloromethane	ND		0.00357	0.00121	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	Dichlorodifluoromethane	ND		0.00357	0.00160	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	Ethyl Benzene	ND		0.00357	0.00143	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	Isopropylbenzene	ND		0.00357	0.00134	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	Methyl acetate	ND		0.00715	0.00474	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	Methyl tert-butyl ether (MTBE)	ND		0.00357	0.00125	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	Methylcyclohexane	ND		0.00357	0.00146	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	Methylene chloride	ND		0.00500	0.00486	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	o-Xylene	**0.00172**		0.00357	0.00137	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	p- & m- Xylenes	**0.00515**		0.00715	0.00301	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	Styrene	ND		0.00357	0.00119	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	tert-Butyl alcohol (TBA)	ND		0.0536	0.0190	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	Tetrachloroethylene	ND		0.00357	0.00124	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	Toluene	ND		0.00357	0.00138	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	trans-1,2-Dichloroethylene	ND		0.00357	0.00137	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	trans-1,3-Dichloropropylene	ND		0.00357	0.00126	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	Trichloroethylene	ND		0.00357	0.00134	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	Trichlorofluoromethane	ND		0.00357	0.00148	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	Vinyl Chloride	ND		0.00357	0.00209	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	Xylenes, Total	**0.00686**		0.00357	0.00301	1	mg/kg dry	8/14/25 3:59 pm
T5H0412-01	**Total Tentatively Identified Compounds**	**0**	J			1	mg/kg dry	8/14/25 3:59 pm

Analysis:	**Semivolatile Organic Compounds by GC/MS**	**Matrix:**	Soil
Prep Method:	SW-846 3546 (SVOA)	**Client ID:**	S-1
Reference Method:	SW-846 8270E	**Collection Date/Time:**	8/11/25 10:00 am

Lab ID	Parameter	Result	Flag	RL	MDL	Dilution	Units	Analyzed
T5H0412-01	1,1-Biphenyl	ND		0.0333	0.0108	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	1,2,4,5-Tetrachlorobenzene	ND		0.0832	0.0135	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	1-Methylnaphthalene	ND		0.0333	0.00649	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	2,3,4,6-Tetrachlorophenol	ND		0.0333	0.0101	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	2,4,5-Trichlorophenol	ND		0.0333	0.00709	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	2,4,6-Trichlorophenol	ND		0.0333	0.00959	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	2,4-Dichlorophenol	ND		0.0333	0.00579	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	2,4-Dimethylphenol	ND		0.0333	0.00549	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	2,4-Dinitrophenol	ND		0.166	0.0453	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	2,4-Dinitrotoluene	ND		0.166	0.0314	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	2,6-Dinitrotoluene	ND		0.166	0.0347	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	2-Chloronaphthalene	ND		0.0333	0.00939	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	2-Chlorophenol	ND		0.0333	0.00699	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	2-Methylnaphthalene	ND		0.0333	0.0104	1	mg/kg dry	8/22/25 11:52 pm

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Client:	Kenny Environmental Services	**York Work Order No:**	T5H0412
Client Project:	Tom Olivieri Park	**Date Received:**	8/12/25 5:05 pm

Analysis:	**Semivolatile Organic Compounds by GC/MS**	**Matrix:**	Soil
Prep Method:	SW-846 3546 (SVOA)	**Client ID:**	S-1
Reference Method:	SW-846 8270E	**Collection Date/Time:**	8/11/25 10:00 am

Lab ID	Parameter	Result	Flag	RL	MDL	Dilution	Units	Analyzed
T5H0412-01	2-Methylphenol	ND		0.0333	0.00449	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	2-Nitroaniline	ND		0.166	0.0284	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	2-Nitrophenol	ND		0.166	0.0329	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	3- & 4-Methylphenols	ND		0.0333	0.00779	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	3,3'-Dichlorobenzidine	ND		0.0333	0.0135	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	3-Nitroaniline	ND		0.166	0.0243	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	4,6-Dinitro-2-methylphenol	ND		0.166	0.0258	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	4-Bromophenyl phenyl ether	ND		0.0333	0.00909	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	4-Chloro-3-methylphenol	ND		0.0333	0.00739	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	4-Chloroaniline	ND		0.0333	0.00719	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	4-Chlorophenyl phenyl ether	ND		0.0333	0.00609	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	4-Nitroaniline	ND		0.166	0.0406	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	4-Nitrophenol	ND		0.166	0.0400	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	Acenaphthene	**0.0130**	J	0.0333	0.00779	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	Acenaphthylene	**0.0103**	J	0.0333	0.00659	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	Acetophenone	ND		0.0333	0.00749	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	Anthracene	**0.0539**		0.0333	0.00629	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	Atrazine	ND		0.0333	0.00769	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	Benzaldehyde	ND		0.166	0.0199	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	Benzo(a)anthracene	**0.497**		0.0333	0.00769	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	Benzo(a)pyrene	**0.474**		0.0333	0.0137	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	Benzo(b)fluoranthene	**0.497**		0.0333	0.0154	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	Benzo(g,h,i)perylene	ND		0.0333	0.00459	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	Benzo(k)fluoranthene	**0.497**		0.0333	0.0113	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	Benzyl butyl phthalate	ND		0.0333	0.00929	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	Bis(2-chloroethoxy)methane	ND		0.0333	0.00559	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	Bis(2-chloroethyl)ether	ND		0.0333	0.00589	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	Bis(2-chloroisopropyl)ether	ND		0.0333	0.00729	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	Bis(2-ethylhexyl)phthalate	**0.0732**		0.0333	0.00859	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	Caprolactam	ND		0.166	0.0441	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	Carbazole	**0.0156**	J	0.0333	0.00729	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	Chrysene	**0.548**		0.0333	0.00929	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	Dibenzo(a,h)anthracene	**0.102**		0.0333	0.00879	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	Dibenzofuran	ND		0.0333	0.00729	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	Diethyl phthalate	ND		0.0333	0.00939	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	Dimethyl phthalate	ND		0.0333	0.00929	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	Di-n-butyl phthalate	ND		0.0333	0.00579	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	Di-n-octyl phthalate	ND		0.0333	0.00699	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	Fluoranthene	**0.823**		0.0333	0.00709	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	Fluorene	**0.0146**	J	0.0333	0.00869	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	Hexachlorobenzene	ND		0.0333	0.00669	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	Hexachlorobutadiene	ND		0.0333	0.0133	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	Hexachlorocyclopentadiene	ND		0.166	0.0277	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	Hexachloroethane	ND		0.0333	0.00819	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	Indeno(1,2,3-cd)pyrene	**0.196**		0.0333	0.00829	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	Isophorone	ND		0.0333	0.00889	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	Naphthalene	ND		0.0333	0.00649	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	Nitrobenzene	ND		0.0333	0.0333	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	N-nitroso-di-n-propylamine	ND		0.0333	0.00689	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	N-Nitrosodiphenylamine / Diphenylamine	ND		0.0333	0.00729	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	Pentachlorophenol	ND		0.166	0.0245	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	Phenanthrene	**0.258**		0.0333	0.00899	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	Phenol	ND		0.0333	0.00789	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	Pyrene	**1.00**		0.0333	0.00779	1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	**Total Tentatively Identified Compounds**	**4.7**	J			1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	TIC- 11H-Benzo[a]fluorene	**0.176**	J			1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	TIC- Dotriacontane	**0.496**	J			1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	TIC- Eicosane	**0.356**	J			1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	TIC- Octadecanal	**0.530**	J			1	mg/kg dry	8/22/25 11:52 pm

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Client:	Kenny Environmental Services	**York Work Order No:**	T5H0412
Client Project:	Tom Olivieri Park	**Date Received:**	8/12/25 5:05 pm

Analysis:	**Semivolatile Organic Compounds by GC/MS**	**Matrix:**	Soil
Prep Method:	SW-846 3546 (SVOA)	**Client ID:**	S-1
Reference Method:	SW-846 8270E	**Collection Date/Time:**	8/11/25 10:00 am

Lab ID	Parameter	Result	Flag	RL	MDL	Dilution	Units	Analyzed
T5H0412-01	TIC- Perylene	**0.393**	J			1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	TIC- Tricosane	**1.13**	J			1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	Unknown (01)	**0.135**	J			1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	Unknown (02)	**0.343**	J			1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	Unknown (03)	**0.215**	J			1	mg/kg dry	8/22/25 11:52 pm
T5H0412-01	Unknown (04)	**0.922**	J			1	mg/kg dry	8/22/25 11:52 pm

Analysis:	**Wet Chemistry Parameters**	**Matrix:**	Soil
Prep Method:	SW-846 9013A/9010C (CN Extract/Distill)	**Client ID:**	S-1
Reference Method:	SW-846 9014	**Collection Date/Time:**	8/11/25 10:00 am

Lab ID	Parameter	Result	Flag	RL	MDL	Dilution	Units	Analyzed
T5H0412-01	Cyanide, total	ND		0.990	0.277	1	mg/kg dry	8/18/25 11:30 am

Analysis:	**Metals by ICP**	**Matrix:**	Soil
Prep Method:	SW-846 3050B	**Client ID:**	S-2
Reference Method:	SW-846 6010D	**Collection Date/Time:**	8/11/25 10:05 am

Lab ID	Parameter	Result	Flag	RL	MDL	Dilution	Units	Analyzed
T5H0412-02RE1	Aluminum	**7990**		47.8	10.7	5	mg/kg dry	8/18/25 2:23 pm
T5H0412-02	Antimony	**0.278**	J	0.638	0.166	1	mg/kg dry	8/18/25 12:48 pm
T5H0412-02RE1	Arsenic	**5.04**		3.19	0.810	5	mg/kg dry	8/18/25 2:23 pm
T5H0412-02RE1	Barium	**81.1**		0.638	0.173	5	mg/kg dry	8/18/25 2:23 pm
T5H0412-02RE1	Beryllium	**0.436**		0.319	0.053	5	mg/kg dry	8/18/25 2:23 pm
T5H0412-02RE1	Cadmium	**0.508**		0.319	0.088	5	mg/kg dry	8/18/25 2:23 pm
T5H0412-02RE1	Calcium	**8370**		23.9	2.84	5	mg/kg dry	8/18/25 2:23 pm
T5H0412-02RE1	Chromium	**55.6**	A-02	1.59	0.256	5	mg/kg dry	8/18/25 2:23 pm
T5H0412-02	Cobalt	**5.77**		1.59	0.220	1	mg/kg dry	8/18/25 12:48 pm
T5H0412-02RE1	Iron	**17900**		31.9	2.98	5	mg/kg dry	8/18/25 2:23 pm
T5H0412-02RE1	Lead	**85.1**		3.19	0.459	5	mg/kg dry	8/18/25 2:23 pm
T5H0412-02RE1	Magnesium	**3720**		47.8	9.95	5	mg/kg dry	8/18/25 2:23 pm
T5H0412-02RE1	Manganese	**496**		0.797	0.131	5	mg/kg dry	8/18/25 2:23 pm
T5H0412-02RE1	Nickel	**16.3**		1.59	0.443	5	mg/kg dry	8/18/25 2:23 pm
T5H0412-02RE1	Potassium	**1220**		159	23.6	5	mg/kg dry	8/18/25 2:23 pm
T5H0412-02	Selenium	ND		1.28	0.394	1	mg/kg dry	8/18/25 12:48 pm
T5H0412-02	Silver	ND		0.319	0.050	1	mg/kg dry	8/18/25 12:48 pm
T5H0412-02	Sodium	**207**		31.9	3.51	1	mg/kg dry	8/18/25 12:48 pm
T5H0412-02	Thallium	ND		0.638	0.323	1	mg/kg dry	8/18/25 12:48 pm
T5H0412-02RE1	Vanadium	**32.6**		1.59	0.282	5	mg/kg dry	8/18/25 2:23 pm
T5H0412-02RE1	Zinc	**129**		4.78	1.08	5	mg/kg dry	8/18/25 2:23 pm

Analysis:	**Metals by Flame AA**	**Matrix:**	Soil
Prep Method:	SW-846 3050B	**Client ID:**	S-2
Reference Method:	SW-846 7000B	**Collection Date/Time:**	8/11/25 10:05 am

Lab ID	Parameter	Result	Flag	RL	MDL	Dilution	Units	Analyzed
T5H0412-02	Copper	**42.8**		3.19	0.772	1	mg/kg dry	8/19/25 2:28 pm

Analysis:	**Mercury by Cold-Vapor Atomic Absorption**	**Matrix:**	Soil
Prep Method:	SW-846 7471B	**Client ID:**	S-2
Reference Method:	SW-846 7471B	**Collection Date/Time:**	8/11/25 10:05 am

Lab ID	Parameter	Result	Flag	RL	MDL	Dilution	Units	Analyzed
T5H0412-02	Mercury	**0.287**		0.0420	0.0199	1	mg/kg dry	8/15/25 11:01 am

Client:	Kenny Environmental Services	**York Work Order No:**	T5H0412
Client Project:	Tom Olivieri Park	**Date Received:**	8/12/25 5:05 pm

Analysis:	**Semivolatile Organic Compounds (BNs) by GC/MS**	**Matrix:**	Soil
Prep Method:	SW-846 3546 (SVOA)	**Client ID:**	S-2
Reference Method:	SW-846 8270E	**Collection Date/Time:**	8/11/25 10:05 am

Lab ID	Parameter	Result	Flag	RL	MDL	Dilution	Units	Analyzed
T5H0412-02	2-Methylnaphthalene	ND		0.0331	0.0103	1	mg/kg dry	8/23/25 12:21 am
T5H0412-02	Acenaphthene	**0.0195**	J	0.0331	0.00775	1	mg/kg dry	8/23/25 12:21 am
T5H0412-02	Acenaphthylene	**0.0202**	J	0.0331	0.00656	1	mg/kg dry	8/23/25 12:21 am
T5H0412-02	Anthracene	**0.0663**		0.0331	0.00626	1	mg/kg dry	8/23/25 12:21 am
T5H0412-02	Benzo(a)anthracene	**0.515**		0.0331	0.00765	1	mg/kg dry	8/23/25 12:21 am
T5H0412-02	Benzo(a)pyrene	**0.557**		0.0331	0.0136	1	mg/kg dry	8/23/25 12:21 am
T5H0412-02	Benzo(b)fluoranthene	**1.17**		0.0331	0.0153	1	mg/kg dry	8/23/25 12:21 am
T5H0412-02	Benzo(g,h,i)perylene	**0.244**		0.0331	0.00457	1	mg/kg dry	8/23/25 12:21 am
T5H0412-02	Benzo(k)fluoranthene	**0.475**		0.0331	0.0112	1	mg/kg dry	8/23/25 12:21 am
T5H0412-02	Chrysene	**0.574**		0.0331	0.00924	1	mg/kg dry	8/23/25 12:21 am
T5H0412-02	Dibenzo(a,h)anthracene	**0.0576**		0.0331	0.00875	1	mg/kg dry	8/23/25 12:21 am
T5H0412-02	Fluoranthene	**0.874**		0.0331	0.00706	1	mg/kg dry	8/23/25 12:21 am
T5H0412-02	Fluorene	**0.0162**	J	0.0331	0.00865	1	mg/kg dry	8/23/25 12:21 am
T5H0412-02	Indeno(1,2,3-cd)pyrene	**0.231**		0.0331	0.00825	1	mg/kg dry	8/23/25 12:21 am
T5H0412-02	Naphthalene	**0.0186**	J	0.0331	0.00646	1	mg/kg dry	8/23/25 12:21 am
T5H0412-02	Phenanthrene	**0.321**		0.0331	0.00894	1	mg/kg dry	8/23/25 12:21 am
T5H0412-02	Pyrene	**0.979**		0.0331	0.00775	1	mg/kg dry	8/23/25 12:21 am

Joseph Ravino
Laboratory Director

General Information

YORK ANALYTICAL LABORATORIES, INC.

- Certified Analyses in Reporting
- Lab Certification
- Lab Chronicle
- Non Conformance
- Chain of Custody

Certified Analyses included in this Report

Analyte	CAS #	Certifications
NJDEP EPH Rev 3.0 in Soil		
C9 to C28 Hydrocarbons (EC Range)		NJDEP-15001
SW-846 6010D in Soil		
Aluminum	7429-90-5	NJDEP-15001
Antimony	7440-36-0	NJDEP-15001
Arsenic	7440-38-2	NJDEP-15001
Barium	7440-39-3	NJDEP-15001
Beryllium	7440-41-7	NJDEP-15001
Cadmium	7440-43-9	NJDEP-15001
Calcium	7440-70-2	NJDEP-15001
Chromium	7440-47-3	NJDEP-15001
Cobalt	7440-48-4	NJDEP-15001
Iron	7439-89-6	NJDEP-15001
Lead	7439-92-1	NJDEP-15001
Magnesium	7439-95-4	NJDEP-15001
Manganese	7439-96-5	NJDEP-15001
Nickel	7440-02-0	NJDEP-15001
Potassium	7440-09-7	NJDEP-15001
Selenium	7782-49-2	NJDEP-15001
Silver	7440-22-4	NJDEP-15001
Sodium	7440-23-5	NJDEP-15001
Thallium	7440-28-0	NJDEP-15001
Vanadium	7440-62-2	NJDEP-15001
Zinc	7440-66-6	NJDEP-15001
SW-846 7000B in Soil		
Copper	7440-50-8	NJDEP-15001
SW-846 7471B in Soil		
Mercury	7439-97-6	NJDEP-15001
SW-846 8081B in Soil		
4,4'-DDD	72-54-8	NJDEP-15001
4,4'-DDE	72-55-9	NJDEP-15001
4,4'-DDT	50-29-3	NJDEP-15001
Aldrin	309-00-2	NJDEP-15001
alpha-BHC	319-84-6	NJDEP-15001
alpha-Chlordane	5103-71-9	NJDEP-15001
beta-BHC	319-85-7	NJDEP-15001
delta-BHC	319-86-8	NJDEP-15001
Dieldrin	60-57-1	NJDEP-15001
Endosulfan I	959-98-8	NJDEP-15001
Endosulfan II	33213-65-9	NJDEP-15001
Endosulfan sulfate	1031-07-8	NJDEP-15001
Endrin	72-20-8	NJDEP-15001
Endrin aldehyde	7421-93-4	NJDEP-15001
Endrin ketone	53494-70-5	NJDEP-15001
gamma-BHC (Lindane)	58-89-9	NJDEP-15001
gamma-Chlordane	5566-34-7	NJDEP-15001
Heptachlor	76-44-8	NJDEP-15001
Heptachlor epoxide	1024-57-3	NJDEP-15001
Methoxychlor	72-43-5	NJDEP-15001

Certified Analyses included in this Report
(Continued)

Analyte	CAS #	Certifications
SW-846 8081B in Soil (Continued)		
Toxaphene	8001-35-2	NJDEP-15001
SW-846 8082A in Soil		
Aroclor 1016	12674-11-2	NJDEP-15001
Aroclor 1221	11104-28-2	NJDEP-15001
Aroclor 1232	11141-16-5	NJDEP-15001
Aroclor 1242	53469-21-9	NJDEP-15001
Aroclor 1248	12672-29-6	NJDEP-15001
Aroclor 1254	11097-69-1	NJDEP-15001
Aroclor 1260	11096-82-5	NJDEP-15001
Aroclor 1262	37324-23-5	NJDEP-15001
Aroclor 1268	11100-14-4	NJDEP-15001
Total PCBs	1336-36-3	NJDEP-15001
SW-846 8260D in Soil		
Dichlorodifluoromethane	75-71-8	NJDEP-15001
Chloromethane	74-87-3	NJDEP-15001
Vinyl Chloride	75-01-4	NJDEP-15001
Bromomethane	74-83-9	NJDEP-15001
Chloroethane	75-00-3	NJDEP-15001
Trichlorofluoromethane	75-69-4	NJDEP-15001
Acetone	67-64-1	NJDEP-15001
1,1-Dichloroethylene	75-35-4	NJDEP-15001
tert-Butyl alcohol (TBA)	75-65-0	NJDEP-15001
Methylene chloride	75-09-2	NJDEP-15001
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	NJDEP-15001
Methyl acetate	79-20-9	NJDEP-15001
Carbon disulfide	75-15-0	NJDEP-15001
trans-1,2-Dichloroethylene	156-60-5	NJDEP-15001
Methyl tert-butyl ether (MTBE)	1634-04-4	NJDEP-15001
1,1-Dichloroethane	75-34-3	NJDEP-15001
2-Butanone	78-93-3	NJDEP-15001
cis-1,2-Dichloroethylene	156-59-2	NJDEP-15001
Bromochloromethane	74-97-5	NJDEP-15001
Chloroform	67-66-3	NJDEP-15001
1,2-Dichloroethane	107-06-2	NJDEP-15001
1,1,1-Trichloroethane	71-55-6	NJDEP-15001
Cyclohexane	110-82-7	NJDEP-15001
Carbon tetrachloride	56-23-5	NJDEP-15001
Benzene	71-43-2	NJDEP-15001
1,2-Dichloropropane	78-87-5	NJDEP-15001
Trichloroethylene	79-01-6	NJDEP-15001
Bromodichloromethane	75-27-4	NJDEP-15001
Methylcyclohexane	108-87-2	NJDEP-15001
cis-1,3-Dichloropropylene	10061-01-5	NJDEP-15001
4-Methyl-2-pentanone	108-10-1	NJDEP-15001
trans-1,3-Dichloropropylene	10061-02-6	NJDEP-15001
1,1,2-Trichloroethane	79-00-5	NJDEP-15001
Toluene	108-88-3	NJDEP-15001
Dibromochloromethane	124-48-1	NJDEP-15001
2-Hexanone	591-78-6	NJDEP-15001
1,2-Dibromoethane	106-93-4	NJDEP-15001

Certified Analyses included in this Report
(Continued)

Analyte	CAS #	Certifications
SW-846 8260D in Soil (Continued)		
Tetrachloroethylene	127-18-4	NJDEP-15001
Chlorobenzene	108-90-7	NJDEP-15001
Ethyl Benzene	100-41-4	NJDEP-15001
p- & m- Xylenes	179601-23-1	NJDEP-15001
Bromoform	75-25-2	NJDEP-15001
Styrene	100-42-5	NJDEP-15001
1,1,2,2-Tetrachloroethane	79-34-5	NJDEP-15001
o-Xylene	95-47-6	NJDEP-15001
Isopropylbenzene	98-82-8	NJDEP-15001
1,3-Dichlorobenzene	541-73-1	NJDEP-15001
1,4-Dichlorobenzene	106-46-7	NJDEP-15001
1,2-Dichlorobenzene	95-50-1	NJDEP-15001
1,2,4-Trichlorobenzene	120-82-1	NJDEP-15001
1,2,3-Trichlorobenzene	87-61-6	NJDEP-15001
Xylenes, Total	1330-20-7	NJDEP-15001
SW-846 8270E in Soil		
Benzaldehyde	100-52-7	NJDEP-15001
Phenol	108-95-2	NJDEP-15001
Bis(2-chloroethyl)ether	111-44-4	NJDEP-15001
2-Chlorophenol	95-57-8	NJDEP-15001
Bis(2-chloroisopropyl)ether	108-60-1	NJDEP-15001
2-Methylphenol	95-48-7	NJDEP-15001
Acetophenone	98-86-2	NJDEP-15001
N-nitroso-di-n-propylamine	621-64-7	NJDEP-15001
Hexachloroethane	67-72-1	NJDEP-15001
3- & 4-Methylphenols	65794-96-9	NJDEP-15001
Nitrobenzene	98-95-3	NJDEP-15001
Isophorone	78-59-1	NJDEP-15001
2-Nitrophenol	88-75-5	NJDEP-15001
2,4-Dimethylphenol	105-67-9	NJDEP-15001
Bis(2-chloroethoxy)methane	111-91-1	NJDEP-15001
2,4-Dichlorophenol	120-83-2	NJDEP-15001
Naphthalene	91-20-3	NJDEP-15001
Naphthalene	91-20-3	NJDEP-15001
4-Chloroaniline	106-47-8	NJDEP-15001
Hexachlorobutadiene	87-68-3	NJDEP-15001
Caprolactam	105-60-2	NJDEP-15001
4-Chloro-3-methylphenol	59-50-7	NJDEP-15001
2-Methylnaphthalene	91-57-6	NJDEP-15001
2-Methylnaphthalene	91-57-6	NJDEP-15001
1-Methylnaphthalene	90-12-0	NJDEP-15001
1,2,4,5-Tetrachlorobenzene	95-94-3	NJDEP-15001
Hexachlorocyclopentadiene	77-47-4	NJDEP-15001
2,4,6-Trichlorophenol	88-06-2	NJDEP-15001
2,4,5-Trichlorophenol	95-95-4	NJDEP-15001
2-Chloronaphthalene	91-58-7	NJDEP-15001
1,1-Biphenyl	92-52-4	NJDEP-15001
2-Nitroaniline	88-74-4	NJDEP-15001
Dimethyl phthalate	131-11-3	NJDEP-15001
Acenaphthylene	208-96-8	NJDEP-15001
Acenaphthylene	208-96-8	NJDEP-15001
2,6-Dinitrotoluene	606-20-2	NJDEP-15001

Certified Analyses included in this Report
(Continued)

Analyte	CAS #	Certifications
SW-846 8270E in Soil (Continued)		
3-Nitroaniline	99-09-2	NJDEP-15001
Acenaphthene	83-32-9	NJDEP-15001
Acenaphthene	83-32-9	NJDEP-15001
2,4-Dinitrophenol	51-28-5	NJDEP-15001
Dibenzofuran	132-64-9	NJDEP-15001
4-Nitrophenol	100-02-7	NJDEP-15001
2,4-Dinitrotoluene	121-14-2	NJDEP-15001
2,3,4,6-Tetrachlorophenol	58-90-2	NJDEP-15001
Diethyl phthalate	84-66-2	NJDEP-15001
Fluorene	86-73-7	NJDEP-15001
Fluorene	86-73-7	NJDEP-15001
4-Chlorophenyl phenyl ether	7005-72-3	NJDEP-15001
4-Nitroaniline	100-01-6	NJDEP-15001
4,6-Dinitro-2-methylphenol	534-52-1	NJDEP-15001
N-Nitrosodiphenylamine / Diphenylamine	86-30-6	NJDEP-15001
4-Bromophenyl phenyl ether	101-55-3	NJDEP-15001
Hexachlorobenzene	118-74-1	NJDEP-15001
Atrazine	1912-24-9	NJDEP-15001
Pentachlorophenol	87-86-5	NJDEP-15001
Phenanthrene	85-01-8	NJDEP-15001
Phenanthrene	85-01-8	NJDEP-15001
Anthracene	120-12-7	NJDEP-15001
Anthracene	120-12-7	NJDEP-15001
Carbazole	86-74-8	NJDEP-15001
Di-n-butyl phthalate	84-74-2	NJDEP-15001
Fluoranthene	206-44-0	NJDEP-15001
Fluoranthene	206-44-0	NJDEP-15001
Pyrene	129-00-0	NJDEP-15001
Pyrene	129-00-0	NJDEP-15001
Benzyl butyl phthalate	85-68-7	NJDEP-15001
Benzo(a)anthracene	56-55-3	NJDEP-15001
Benzo(a)anthracene	56-55-3	NJDEP-15001
3,3'-Dichlorobenzidine	91-94-1	NJDEP-15001
Chrysene	218-01-9	NJDEP-15001
Chrysene	218-01-9	NJDEP-15001
Bis(2-ethylhexyl)phthalate	117-81-7	NJDEP-15001
Di-n-octyl phthalate	117-84-0	NJDEP-15001
Benzo(b)fluoranthene	205-99-2	NJDEP-15001
Benzo(b)fluoranthene	205-99-2	NJDEP-15001
Benzo(k)fluoranthene	207-08-9	NJDEP-15001
Benzo(k)fluoranthene	207-08-9	NJDEP-15001
Benzo(a)pyrene	50-32-8	NJDEP-15001
Benzo(a)pyrene	50-32-8	NJDEP-15001
Indeno(1,2,3-cd)pyrene	193-39-5	NJDEP-15001
Indeno(1,2,3-cd)pyrene	193-39-5	NJDEP-15001
Dibenzo(a,h)anthracene	53-70-3	NJDEP-15001
Dibenzo(a,h)anthracene	53-70-3	NJDEP-15001
Benzo(g,h,i)perylene	191-24-2	NJDEP-15001
Benzo(g,h,i)perylene	191-24-2	NJDEP-15001
SW-846 9014 in Soil		
Cyanide, total	57-12-5	NJDEP-15001

List of Certifications

Code	Description	Number	Expires
NJDEP-15001	NJDEP-Toms River NJ	NJ-15001	06/30/2026
CTDPH-PH-0835	CTDPH-PH-0835	CT-PH-0835	12/31/2026
MADEP-NJ1364	MADEP-NJ1364	MADEP-NJ1364	06/30/2026

York Analytical Laboratories, Inc.
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environmentalservices-tomsriver@yorklab.com

HOLDING TIME SUMMARY

NJDEP EPH Rev 3.0

Laboratory: **York Analytical Laboratories- Toms River** **SDG:** **T5H0412**

Client: **Kenny Environmental Services** **Project:** **Tom Olivieri Park**

Sample Name	Date Sampled	Date Received	Preparation Holding Time (Days)	Preparation Date	Preparation Expiration Date	Analysis Holding Time (Days)	Analysis Date	Analysis Expiration Date	Q
S-1	08/11/25	08/12/25	14.00	08/13/25	08/25/25	40.00	08/14/25	09/22/25	

HOLDING TIME SUMMARY

SM 2540G

Laboratory: **York Analytical Laboratories- Toms River** **SDG:** **T5H0412**

Client: **Kenny Environmental Services** **Project:** **Tom Olivieri Park**

Sample Name	Date Sampled	Date Received	Preparation Holding Time (Days)	Preparation Date	Preparation Expiration Date	Analysis Holding Time (Days)	Analysis Date	Analysis Expiration Date	Q
S-1	08/11/25 10:00	08/12/25 17:05	28.00	08/14/25 08:48	09/08/25 10:00		08/14/25 14:47		
S-2	08/11/25 10:05	08/12/25 17:05	28.00	08/14/25 08:48	09/08/25 10:05		08/14/25 14:47		

HOLDING TIME SUMMARY

SW-846 6010D

Laboratory: **York Analytical Laboratories- Toms River** **SDG:** **T5H0412**

Client: **Kenny Environmental Services** **Project:** **Tom Olivieri Park**

Sample Name	Date Sampled	Date Received	Preparation Holding Time (Days)	Preparation Date	Preparation Expiration Date	Analysis Holding Time (Days)	Analysis Date	Analysis Expiration Date	Q
S-1	08/11/25	08/12/25	180.00	08/15/25	02/07/26		08/18/25		
S-1	08/11/25	08/12/25	180.00	08/15/25	02/07/26		08/18/25		
S-2	08/11/25	08/12/25	180.00	08/15/25	02/07/26		08/18/25		
S-2	08/11/25	08/12/25	180.00	08/15/25	02/07/26		08/18/25		

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HOLDING TIME SUMMARY

SW-846 7000B

Laboratory: **York Analytical Laboratories- Toms River** **SDG:** **T5H0412**

Client: **Kenny Environmental Services** **Project:** **Tom Olivieri Park**

Sample Name	Date Sampled	Date Received	Preparation Holding Time (Days)	Preparation Date	Preparation Expiration Date	Analysis Holding Time (Days)	Analysis Date	Analysis Expiration Date	Q
S-1	08/11/25	08/12/25	180.00	08/18/25	02/07/26		08/19/25		
S-2	08/11/25	08/12/25	180.00	08/18/25	02/07/26		08/19/25		

HOLDING TIME SUMMARY

SW-846 7471B

Laboratory: **York Analytical Laboratories- Toms River** **SDG:** **T5H0412**

Client: **Kenny Environmental Services** **Project:** **Tom Olivieri Park**

Sample Name	Date Sampled	Date Received	Preparation Holding Time (Days)	Preparation Date	Preparation Expiration Date	Analysis Holding Time (Days)	Analysis Date	Analysis Expiration Date	Q
S-1	08/11/25 10:00	08/12/25 17:05	28.00	08/15/25 09:00	09/08/25 10:00		08/15/25 10:57		
S-2	08/11/25 10:05	08/12/25 17:05	28.00	08/15/25 09:00	09/08/25 10:05		08/15/25 11:01		

HOLDING TIME SUMMARY

SW-846 8081B

Laboratory: **York Analytical Laboratories- Toms River** **SDG:** **T5H0412**

Client: **Kenny Environmental Services** **Project:** **Tom Olivieri Park**

Sample Name	Date Sampled	Date Received	Preparation Holding Time (Days)	Preparation Date	Preparation Expiration Date	Analysis Holding Time (Days)	Analysis Date	Analysis Expiration Date	Q
S-1	08/11/25	08/12/25	14.00	08/15/25	08/25/25	40.00	08/15/25	09/24/25	

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HOLDING TIME SUMMARY

SW-846 8082A

Laboratory: **York Analytical Laboratories- Toms River** **SDG:** **T5H0412**

Client: **Kenny Environmental Services** **Project:** **Tom Olivieri Park**

Sample Name	Date Sampled	Date Received	Preparation Holding Time (Days)	Preparation Date	Preparation Expiration Date	Analysis Holding Time (Days)	Analysis Date	Analysis Expiration Date	Q
S-1	08/11/25	08/12/25	14.00	08/15/25	08/25/25	40.00	08/15/25	09/24/25	

HOLDING TIME SUMMARY

SW-846 8260D

Laboratory: **York Analytical Laboratories- Toms River** **SDG:** **T5H0412**

Client: **Kenny Environmental Services** **Project:** **Tom Olivieri Park**

Sample Name	Date Sampled	Date Received	Preparation Holding Time (Days)	Preparation Date	Preparation Expiration Date	Analysis Holding Time (Days)	Analysis Date	Analysis Expiration Date	Q
S-1	08/11/25	08/12/25	14.00	08/14/25	08/25/25	14.00	08/14/25	08/25/25	

HOLDING TIME SUMMARY

SW-846 8270E

Laboratory: **York Analytical Laboratories- Toms River** **SDG:** **T5H0412**

Client: **Kenny Environmental Services** **Project:** **Tom Olivieri Park**

Sample Name	Date Sampled	Date Received	Preparation Holding Time (Days)	Preparation Date	Preparation Expiration Date	Analysis Holding Time (Days)	Analysis Date	Analysis Expiration Date	Q
S-1	08/11/25	08/12/25	14.00	08/15/25	08/25/25	40.00	08/22/25	09/24/25	
S-2	08/11/25	08/12/25	14.00	08/15/25	08/25/25	40.00	08/23/25	09/24/25	

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HOLDING TIME SUMMARY

SW-846 9014

Laboratory: **York Analytical Laboratories- Toms River** **SDG:** **T5H0412**

Client: **Kenny Environmental Services** **Project:** **Tom Olivieri Park**

Sample Name	Date Sampled	Date Received	Preparation Holding Time (Days)	Preparation Date	Preparation Expiration Date	Analysis Holding Time (Days)	Analysis Date	Analysis Expiration Date	Q
S-1	08/11/25	08/12/25	14.00	08/18/25	08/25/25		08/18/25		

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Data of Known Quality Conformance / Non-Conformance

Summary Questionnaire

Laboratory Name: York Analytical Laboratories, Inc.
Client Name: Kenny Environmental Services
Project Name: Tom Olivieri Park
Project Number: T5H0412
List DKQP Methods Used (e.g., 8260, 8270, etc): See Methodology page.

		Yes	No	NA
1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	x		
1A	Were the method specified handling, preservation, and holding time requirements met?	x		
1B	*EPH Method:* Was the EPH method conducted without significant modifications (see Section 11.3 of respective DKQ methods)	x		
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	x		
3	Were samples received at an appropriate temperature (4°C +/-2)?	x		
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?		x	
5	a) Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt?		x	
	b) Were these reporting limits met?			x
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?			x
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	x		

Notes: For all questions to which the response was No (with the exception of question #7), additional information should be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Data of Known Quality." This form may not be altered and all questions should be answered.

Additional Comments:
See data qualifiers.

Laboratory Director: Joseph Ramino Date: 8/25/2025

Summary of Non-Conformance and Data Qualifiers Related this Work Order: T5H0412

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-03	This LCS analyte recovered outside of acceptance limits. The LCS contains approximately 70 compounds, a limited number of which may be outside acceptance windows.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-Spk	The spike recovery is not applicable due to the concentration of this element being >10 X the spike concentration.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCVH	The value reported is estimated due to its behavior during continuing calibration verification (>20% difference for average RF or >20% drift for linear or quadratic fit.) This value may be biased high.
A-02b	This analyte was recovered outside of the accepted criteria, in the associated QC, biased low. A sensitivity check was performed. The analyte was recovered non-detect in the sample and has therefore been reported.
A-02a	This analyte was recovered outside of the accepted criteria, in the associated CCV, biased low. A sensitivity check was performed. The analyte was recovered within acceptable limits in the associated BS1, and BSD1 and has therefore been accepted.
A-02	Cr detected in IFA1 solution at ~10 ppb when it should be less than the PQL of 5 ppb. Cr contaminate in Aluminum 10,000ppm std. SIC checks have confirmed correction routine is valid. Reported Cr results are expected to be unbiased.
A-01d	The 10K Al concentrate used to prepare the IFA1 blend has 0.21ppm Cr contamination. That gives ~10-11ppb Cr in the IFA1.
A-01c	Surrogate recovery high due to sample matrix interference
A-01b	RPD High between matrix spike and matrix spike duplicate
A-01a	Matrix spike recovery not within acceptable criteria due to sample matrix interference
A-01	Matrix spike recovery low due to sample matrix interference

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

High Bias — High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. — Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

QC Data

YORK ANALYTICAL LABORATORIES, INC.

- Chromatograms and Quant Reports
- QC Summary Forms

SW-846 8082A

Sample Information

Client Sample ID: **S-1** **York Sample ID:** **T5H0412-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
T5H0412	Tom Olivieri Park	Soil	August 11, 2025 10:00 am	08/12/2025

Polychlorinated Biphenyls by GC/ECD

Sample Prepared by Method: SW-846 3546 (GC) Results Reported to MDL % Solids: 99.08

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0165	0.0103	1	SW-846 8082A	08/15/2025 09:24	08/15/2025 17:26	APP
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0165	0.0103	1	SW-846 8082A	08/15/2025 09:24	08/15/2025 17:26	APP
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0165	0.0103	1	SW-846 8082A	08/15/2025 09:24	08/15/2025 17:26	APP
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0165	0.0103	1	SW-846 8082A	08/15/2025 09:24	08/15/2025 17:26	APP
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0165	0.0103	1	SW-846 8082A	08/15/2025 09:24	08/15/2025 17:26	APP
11097-69-1	**Aroclor 1254**	0.0611		mg/kg dry	0.0165	0.0101	1	SW-846 8082A	08/15/2025 09:24	08/15/2025 17:26	APP
11096-82-5	**Aroclor 1260**	0.0596		mg/kg dry	0.0165	0.0101	1	SW-846 8082A	08/15/2025 09:24	08/15/2025 17:26	APP
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0165	0.0101	1	SW-846 8082A	08/15/2025 09:24	08/15/2025 17:26	APP
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0165	0.0101	1	SW-846 8082A	08/15/2025 09:24	08/15/2025 17:26	APP
1336-36-3	**Total PCBs**	0.121		mg/kg dry	0.0165	0.0101	1	SW-846 8082A	08/15/2025 09:24	08/15/2025 17:26	APP

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*75.3 %*	*30-120*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*59.3 %*	*30-120*

Quantitation Report (QT Reviewed)

Data Path : L:\GC\GCECD-S\20250815B\
Data File : S004725B.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 05:26 pm
Operator : APP
Sample : T5H0412-01
Misc :
ALS Vial : 7 Sample Multiplier: 1
InstName : GCECD-S

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Aug 18 13:46:55 2025
Quant Method : L:\GC\GCECD-S\Methods\SPCB0321.M
Quant Title : PCB Analysis by SW-846 8082A and EPA 608.3
QLast Update : Tue Aug 12 16:12:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : CLP-1 (Primary) Signal #2 Phase: CLP-2 (Secondary)
Signal #1 Info : 30m;.32 ID;.32um Signal #2 Info : 30m;.32 ID;.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
1) S TCMX	2.712	2.897	49291376	43919766	29.656	30.657m
Spiked Amount	50.000	Range 30 - 150		Recovery =	59.31%	61.31%
51) S DCB	8.919	9.503	51098633	61783459	37.665m	43.983m
Spiked Amount	50.000	Range 30 - 150		Recovery =	75.33%	87.97%
Target Compounds						
Sum Arochlor-1016			0	0	N.D.	N.D.
Average Arochlor-1016					0.000	0.000
Sum Arochlor-1221			0	0	N.D.	N.D.
Average Arochlor-1221					0.000	0.000
Sum Arochlor-1232			0	0	N.D.	N.D.
Average Arochlor-1232					0.000	0.000
Sum Arochlor-1242			0	0	N.D.	N.D.
Average Arochlor-1242					0.000	0.000
Sum Arochlor-1248			0	0	N.D.	N.D.
Average Arochlor-1248					0.000	0.000
29) L6 Arochlor-...	4.793	5.586	5324904	8354439	96.968m	138.601 #
30) L6 Arochlor-...	5.123	5.858	11310551	13298754	111.739	200.830m#
31) L6 Arochlor-...	5.374f	6.398	23022649	10227661	377.861m	196.615 #
32) L6 Arochlor-...	5.664	6.583	14500550	15269116	134.743m	154.798
33) L6 Arochlor-...	5.926f	6.948	11791631	5636662	146.716m	76.038 #
34) L6 Arochlor-...	6.347	7.447	18184379	6096511	243.919	112.867m#
Sum Arochlor-1254			84134663	58883144	1111.945	879.748
Average Arochlor-1254					185.324	146.625
37) L7 Arochlor-...	6.970	7.770	4508338	4898527	64.266m	77.524m
38) L7 Arochlor-...	7.377f	8.005f	34796947	28266102	456.842	404.396m
39) L7 Arochlor-...	7.700	8.183f	15985893	9914290	91.473m	67.110m#
40) L7 Arochlor-...	8.022	8.287f	19781710	16856344	110.010m	105.109m
Sum Arochlor-1260			75072888	59935264	722.592	654.139
Average Arochlor-1260					180.648	163.535
Sum Arochlor-1262			0	0	N.D.	N.D.
Average Arochlor-1262					0.000	0.000
Sum Arochlor-1268			0	0	N.D.	N.D.
Average Arochlor-1268					0.000	0.000

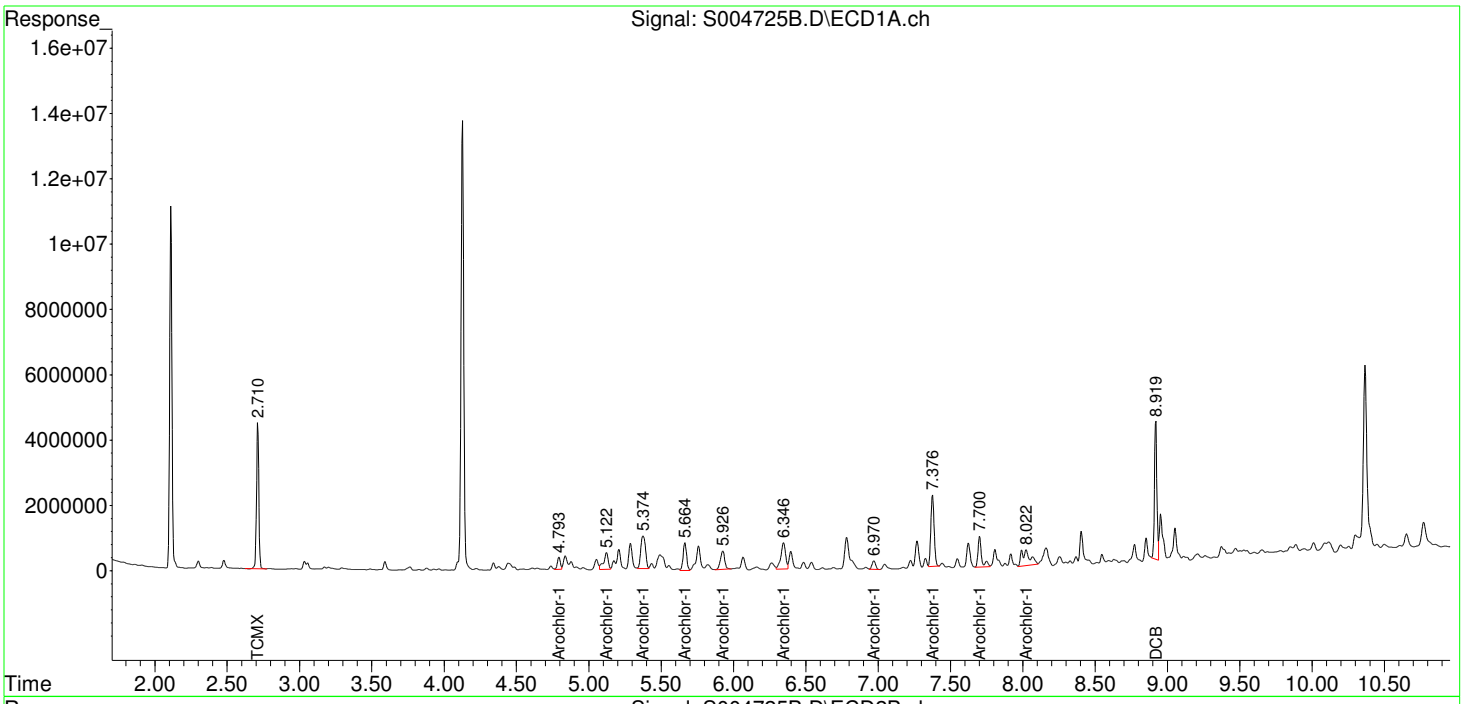
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

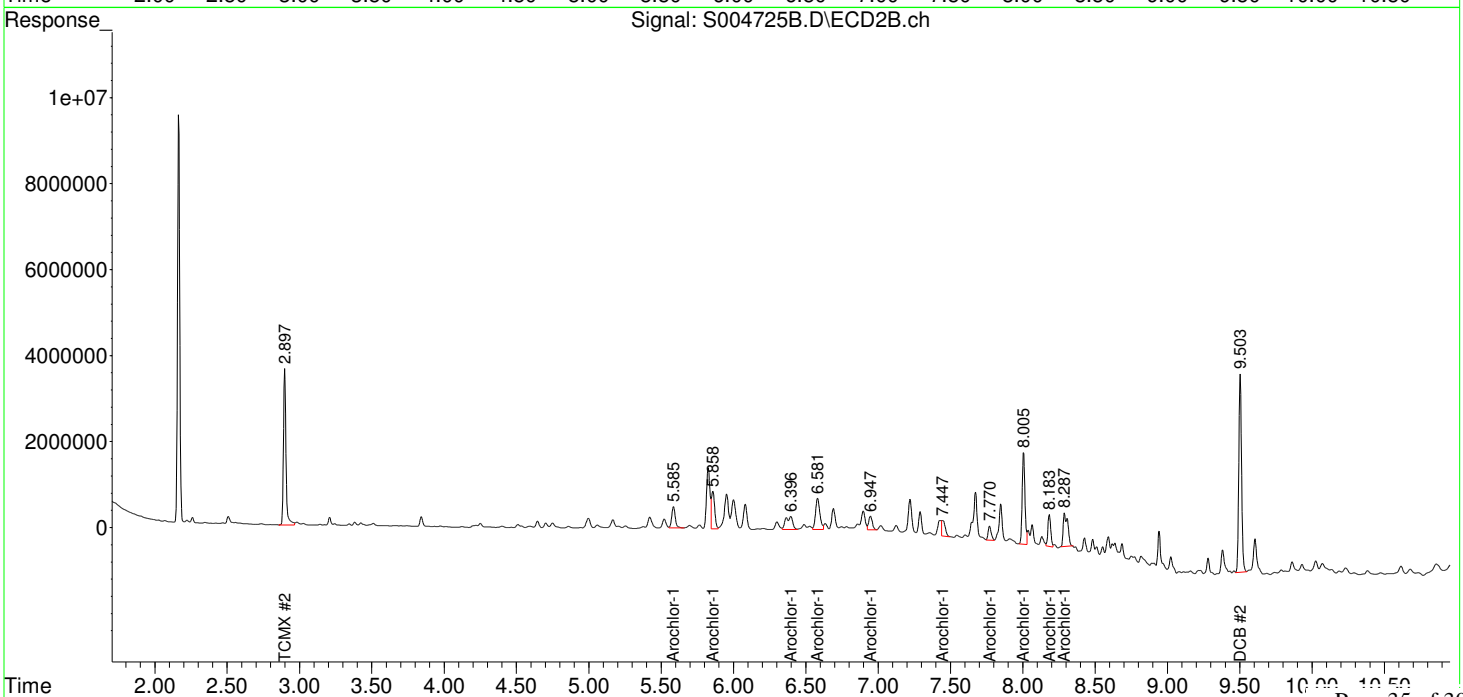
Quantitation Report (QT Reviewed)

Data Path : L:\GC\GCECD-S\20250815B\
Data File : S004725B.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 05:26 pm
Operator : APP
Sample : T5H0412-01
Misc :
ALS Vial : 7 Sample Multiplier: 1
InstName : GCECD-S

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Aug 18 13:46:55 2025
Quant Method : L:\GC\GCECD-S\Methods\SPCB0321.M
Quant Title : PCB Analysis by SW-846 8082A and EPA 608.3
QLast Update : Tue Aug 12 16:12:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : CLP-1 (Primary) Signal #2 Phase: CLP-2 (Secondary)
Signal #1 Info : 30m;.32 ID;.32um Signal #2 Info : 30m;.32 ID;.25um





FORM II SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW-846 8082A

Laboratory: York Analytical Laboratories- Toms River
Client: Kenny Environmental Services
Project: Tom Olivieri Park
Sequence: TH50268

SDG: T5H0412
Instrument: GCECD-S
Calibration: TC50030

SURROGATE COMPOUND	TRUE Value (mg/kg	Actual Value (mg/kg	% Recovery	RT	In House LL	In House UL	DKQP LL	DKQP UL	Recovery Flag
Blank (T25H349-BLK1)			Lab File ID: S004718.D			Analyzed: 08/15/25 15:51			
Decachlorobiphenyl	0.0163	0.0124	76.0	8.973	30	120	0	0	DKQP-H
Decachlorobiphenyl	0.0163	0.0124	76.0	8.973	30	120	30	150	
Tetrachloro-m-xylene	0.0163	0.0130	80.1	2.733	30	120	0	0	DKQP-H
Tetrachloro-m-xylene	0.0163	0.0130	80.1	2.733	30	120	30	150	
LCS (T25H349-BS1)			Lab File ID: S004720.D			Analyzed: 08/15/25 16:18			
Decachlorobiphenyl	0.0164	0.00879	53.7	8.918	30	120	30	150	
Decachlorobiphenyl	0.0164	0.00879	53.7	8.918	30	120	0	0	DKQP-H
Tetrachloro-m-xylene	0.0164	0.00810	49.5	2.71	30	120	0	0	DKQP-H
Tetrachloro-m-xylene	0.0164	0.00810	49.5	2.71	30	120	30	150	
S-1 (T5H0412-01)			Lab File ID: S004725B.D			Analyzed: 08/15/25 17:26			
Decachlorobiphenyl	0.0165	0.0124	75.3	8.919	30	120	0	0	DKQP-H
Tetrachloro-m-xylene	0.0165	0.00978	59.3	2.712	30	120	0	0	DKQP-H
Matrix Spike (T25H349-MS1)			Lab File ID: S004733.D			Analyzed: 08/15/25 19:14			
Decachlorobiphenyl	0.0182	0.00923	50.8	8.91	30	120	0	0	DKQP-H
Decachlorobiphenyl	0.0182	0.00923	50.8	8.91	30	120	30	150	
Tetrachloro-m-xylene	0.0182	0.0107	58.7	2.711	30	120	0	0	DKQP-H
Tetrachloro-m-xylene	0.0182	0.0107	58.7	2.711	30	120	30	150	
Matrix Spike Dup (T25H349-MSD1)			Lab File ID: S004734.D			Analyzed: 08/15/25 19:27			
Decachlorobiphenyl	0.0181	0.00859	47.5	8.908	30	120	30	150	
Decachlorobiphenyl	0.0181	0.00859	47.5	8.908	30	120	0	0	DKQP-H
Tetrachloro-m-xylene	0.0181	0.00890	49.2	2.712	30	120	30	150	
Tetrachloro-m-xylene	0.0181	0.00890	49.2	2.712	30	120	0	0	DKQP-H

Qual **Definitions**
DKQP-H This compound failed outside DKQP defined criteria biased high but was within in house defined control limit criteria

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW-846 8082A

Matrix Spike

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Laboratory ID:	T25H349-MS1
Project:	Tom Olivieri Park	Batch:	T25H349
Preparation:	SW-846 3546 (GC)	Initial/Final:	15.45 g / 5 mL
Source Sample Name:	T5H0552-01	Matrix:	Soil

Matrix Spike

COMPOUND	True Value (mg/kg	Actual Value (mg/kg	% Recovery	In House LL	In House UL	DKQP LL	DKQP UL	Recovery Flag
Aroclor 1016	0.182	0.144	79.5	25.4	162	40	140	
Aroclor 1260	0.182	0.135	74.1	22.5	155	40	140	

Qual **Definitions**

DKQP-H This compound failed outside DKQP defined criteria biased high but was within in house defined control limit criteria

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW-846 8082A

Matrix Spike

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Laboratory ID:	T25H349-MS1
Project:	Tom Olivieri Park	Batch:	T25H349
Preparation:	SW-846 3546 (GC)	Initial/Final:	15.45 g / 5 mL
Source Sample Name:	T5H0552-01	Matrix:	Soil

Matrix Spike Dup

COMPOUND	TRUE Value (mg/kg	Actual Value (mg/kg	% Recovery	RPD Limit	% RPD #	In House LL	In House UL	DKQP LL	DKQP UL	Recovery Flag
Aroclor 1016	0.181	0.117	64.6	50	21.2	25.4	162	40	140	
Aroclor 1260	0.181	0.116	64.3	50	14.7	22.5	155	40	140	

Qual **Definitions**

DKQP-H This compound failed outside DKQP defined criteria biased high but was within in house defined control limit criteria

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW-846 8082A

Matrix Spike Dup

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Laboratory ID:	T25H349-MSD1
Project:	Tom Olivieri Park	Batch:	T25H349
Preparation:	SW-846 3546 (GC)	Initial/Final:	15.52 g / 5 mL
Source Sample Name:	T5H0552-01	Matrix:	Soil

FORM III LCS / LCS DUPLICATE RECOVERY

SW-846 8082A

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Laboratory ID:	T25H349-BS1
Project:	Tom Olivieri Park	Initial/Final:	15.27 g / 5 mL
Batch:	T25H349	Matrix:	Soil
Preparation:	SW-846 3546 (GC)		

COMPOUND	TRUE Value (mg/kg	Actual Value (mg/kg	% Recovery	In House LL	In House UL	DKQP LL	DKQP UL	Recovery Flag
Aroclor 1016	0.164	0.0849	51.9	25.9	147	40	140	
Aroclor 1260	0.164	0.0860	52.5	22.7	149	40	140	

Qual **Definitions**

DKQP-H This compound failed outside DKQP defined criteria biased high but was within in house defined control limit criteria

FORM IV **PREPARATION BATCH SUMMARY**

SW-846 8082A

Laboratory: York Analytical Laboratories- Toms River SDG: T5H0412

Client: Kenny Environmental Services Project: Tom Olivieri Park

Batch: T25H349 Batch Matrix: Soil Preparation: SW-846 3546 (GC)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	T25H349-BLK1	S004718.D	08/15/25 09:24	
LCS	T25H349-BS1	S004720.D	08/15/25 09:24	
Matrix Spike	T25H349-MS1	S004733.D	08/15/25 09:24	
Matrix Spike Dup	T25H349-MSD1	S004734.D	08/15/25 09:24	
S-1	T5H0412-01	S004725B.D	08/15/25 09:24	

FORM I

METHOD BLANK DATA SHEET

SW-846 8082A

Laboratory:	York Analytical Laboratories- Toms River			SDG:	T5H0412
Client:	Kenny Environmental Services			Laboratory ID:	T25H349-BLK1
Project:	Tom Olivieri Park			Calibration:	TC50030
Preparation:	SW-846 3546 (GC)	Prepared:	08/15/25 09:24	File ID:	S004718.D
Instrument:	GCECD-S	Analyzed:	08/15/25 15:51	Initial/Final:	15.36 g / 5 mL
Batch:	T25H349	Sequence:	TH50268	Matrix:	Soil

Analyzed by: **York Analytical Laboratories- Toms River**

Polychlorinated Biphenyls by GC/ECD

Sample Prepared by Method: SW-846 3546 (GC)

Results Reported to MDL

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg wet	0.0163	0.0101	1	SW-846 8082A	08/15/25 09:24	08/15/25 15:51	APP
11104-28-2	Aroclor 1221	ND		mg/kg wet	0.0163	0.0101	1	SW-846 8082A	08/15/25 09:24	08/15/25 15:51	APP
11141-16-5	Aroclor 1232	ND		mg/kg wet	0.0163	0.0101	1	SW-846 8082A	08/15/25 09:24	08/15/25 15:51	APP
53469-21-9	Aroclor 1242	ND		mg/kg wet	0.0163	0.0101	1	SW-846 8082A	08/15/25 09:24	08/15/25 15:51	APP
12672-29-6	Aroclor 1248	ND		mg/kg wet	0.0163	0.0101	1	SW-846 8082A	08/15/25 09:24	08/15/25 15:51	APP
11097-69-1	Aroclor 1254	ND		mg/kg wet	0.0163	0.0100	1	SW-846 8082A	08/15/25 09:24	08/15/25 15:51	APP
11096-82-5	Aroclor 1260	ND		mg/kg wet	0.0163	0.0100	1	SW-846 8082A	08/15/25 09:24	08/15/25 15:51	APP
37324-23-5	Aroclor 1262	ND		mg/kg wet	0.0163	0.0100	1	SW-846 8082A	08/15/25 09:24	08/15/25 15:51	APP
11100-14-4	Aroclor 1268	ND		mg/kg wet	0.0163	0.0100	1	SW-846 8082A	08/15/25 09:24	08/15/25 15:51	APP
1336-36-3	Total PCBs	ND		mg/kg wet	0.0163	0.0100	1	SW-846 8082A	08/15/25 09:24	08/15/25 15:51	APP

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	Decachlorobiphenyl	*76.0 %*	*30-120*
877-09-8	Tetrachloro-m-xylene	*80.1 %*	*30-120*

Quantitation Report (QT Reviewed)

Data Path : L:\GC\GCECD-S\20250815B\
Data File : S004718.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 03:51 pm
Operator : APP
Sample : T25H349-BLK1
Misc :
ALS Vial : 1 Sample Multiplier: 1
InstName : GCECD-S

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Aug 18 13:37:54 2025
Quant Method : L:\GC\GCECD-S\Methods\SPCB0321.M
Quant Title : PCB Analysis by SW-846 8082A and EPA 608.3
QLast Update : Tue Aug 12 16:12:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : CLP-1 (Primary) Signal #2 Phase: CLP-2 (Secondary)
Signal #1 Info : 30m;.32 ID;.32um Signal #2 Info : 30m;.32 ID;.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
1) S TCMX	2.733	2.902	66535976	59087099	40.031m	41.244m
Spiked Amount 50.000	Range 30 - 150		Recovery =		80.06%	82.49%
51) S DCB	8.973f	9.549f	51576171	56244386	38.017m	40.040m
Spiked Amount 50.000	Range 30 - 150		Recovery =		76.03%	80.08%
Target Compounds						
Sum Arochlor-1016			0	0	N.D.	N.D.
Average Arochlor-1016					0.000	0.000
Sum Arochlor-1221			0	0	N.D.	N.D.
Average Arochlor-1221					0.000	0.000
Sum Arochlor-1232			0	0	N.D.	N.D.
Average Arochlor-1232					0.000	0.000
Sum Arochlor-1242			0	0	N.D.	N.D.
Average Arochlor-1242					0.000	0.000
Sum Arochlor-1248			0	0	N.D.	N.D.
Average Arochlor-1248					0.000	0.000
Sum Arochlor-1254			0	0	N.D.	N.D.
Average Arochlor-1254					0.000	0.000
Sum Arochlor-1260			0	0	N.D.	N.D.
Average Arochlor-1260					0.000	0.000
Sum Arochlor-1262			0	0	N.D.	N.D.
Average Arochlor-1262					0.000	0.000
Sum Arochlor-1268			0	0	N.D.	N.D.
Average Arochlor-1268					0.000	0.000

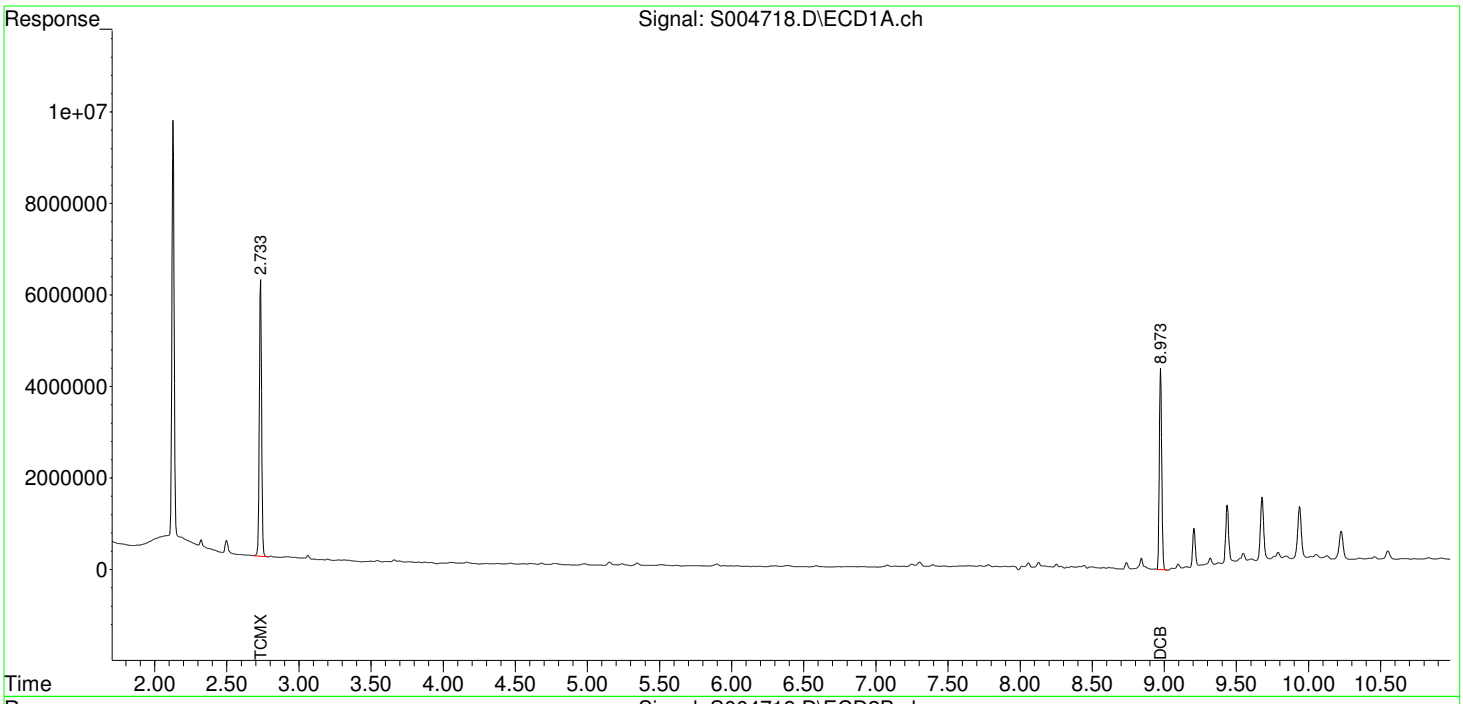
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

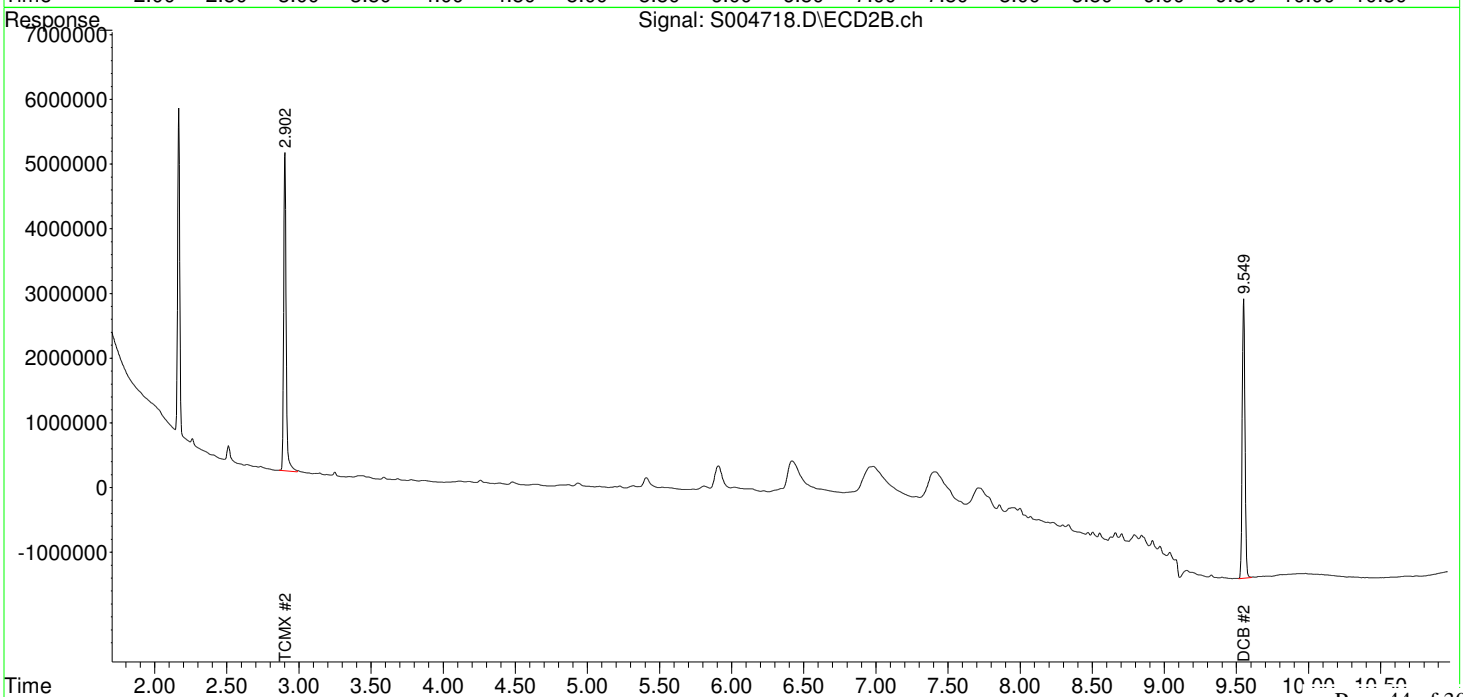
Quantitation Report (QT Reviewed)

Data Path : L:\GC\GCECD-S\20250815B\
Data File : S004718.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 03:51 pm
Operator : APP
Sample : T25H349-BLK1
Misc :
ALS Vial : 1 Sample Multiplier: 1
InstName : GCECD-S

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Aug 18 13:37:54 2025
Quant Method : L:\GC\GCECD-S\Methods\SPCB0321.M
Quant Title : PCB Analysis by SW-846 8082A and EPA 608.3
QLast Update : Tue Aug 12 16:12:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : CLP-1 (Primary) Signal #2 Phase: CLP-2 (Secondary)
Signal #1 Info : 30m;.32 ID;.32um Signal #2 Info : 30m;.32 ID;.25um





FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

SW-846 8082A

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Project:	Tom Olivieri Park
Sequence:	TC50349	Instrument:	GCECD-S
		Calibration:	TC50030

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	TC50349-CAL1	S002700.D	03/22/25 02:57
Cal Standard	TC50349-CAL2	S002701.D	03/22/25 03:10
Cal Standard	TC50349-CAL3	S002702.D	03/22/25 03:24
Cal Standard	TC50349-CAL4	S002703.D	03/22/25 03:37
Cal Standard	TC50349-CAL5	S002704.D	03/22/25 03:50
Cal Standard	TC50349-CAL6	S002705.D	03/22/25 04:04
Cal Standard	TC50349-CAL7	S002706.D	03/22/25 04:18
Cal Standard	TC50349-CAL8	S002707.D	03/22/25 04:31
Cal Standard	TC50349-CAL9	S002708.D	03/22/25 04:45
Initial Cal Check	TC50349-ICV1	S002713.D	03/22/25 05:52

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

SW-846 8082A

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Project:	Tom Olivieri Park
Sequence:	TH50268	Instrument:	GCECD-S
		Calibration:	TC50030

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	TH50268-CCV1	S004717.D	08/15/25 13:13
Blank	T25H349-BLK1	S004718.D	08/15/25 15:51
LCS	T25H349-BS1	S004720.D	08/15/25 16:18
S-1	T5H0412-01	S004725B.D	08/15/25 17:26
Matrix Spike	T25H349-MS1	S004733.D	08/15/25 19:14
Matrix Spike Dup	T25H349-MSD1	S004734.D	08/15/25 19:27
Calibration Check	TH50268-CCV2	S004736.D	08/15/25 19:54
Calibration Check	TH50268-CCV3	S004738.D	08/15/25 20:22

FORM VI **INITIAL CALIBRATION DATA**

SW-846 8082A

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Project:	Tom Olivieri Park
Calibration:	TC50030	Instrument:	GCECD-S
		Calibration Date:	03/21/25 00:00

Response Factor Report GCECD-S

Method Path : L:\GC\GCECD-S\Methods\
Method File : SPCB0321.M
Title : PCB Analysis by SW-846 8082A and EPA 608.3
Last Update : Mon Mar 24 17:07:20 2025
Response Via : Initial Calibration

Calibration Files
= 50 =S002700.D 100 =S002701.D
250 =S002702.D 500 =S002703.D 750 =S002704.D

		Compound	50	100	250	500	750	Avg		%RSD
1)	S	TCMX	1.688	1.575	1.579	1.646	1.610	1.741	1.662 E6	3.70
2)	L1	Arochlor-1016...	3.436	3.328	3.217	3.060	2.983	3.052	3.073 E4	7.10
3)	L1	Arochlor-1016...	9.077	7.946	6.794	6.607	5.925	6.056	6.592 E4	18.25
4)	L1	Arochlor-1016...	1.408	1.301	1.266	1.250	1.194	1.253	1.253 E5	5.57
5)	L1	Arochlor-1016...	5.069	4.937	4.786	4.657	4.544	4.757	4.662 E4	5.44
6)	L1	Arochlor-1016...	4.603	4.546	4.275	4.374	4.069	4.185	4.214 E4	6.12
7)	L2	Arochlor-1221...						9.758	9.758 E3	0.00
8)	L2	Arochlor-1221...						5.426	5.426 E3	0.00
9)	L2	Arochlor-1221...						3.700	3.700 E3	0.00
10)	L2	Arochlor-1221...						2.955	2.955 E4	0.00
11)	L2	Arochlor-1221...						2.955	2.955 E4	0.00
12)	L3	Arochlor-1232...						3.700	3.700 E3	0.00
13)	L3	Arochlor-1232...						2.955	2.955 E4	0.00
14)	L3	Arochlor-1232...						4.842	4.842 E3	0.00
15)	L3	Arochlor-1232...						8.675	8.675 E3	0.00
16)	L3	Arochlor-1232...						8.620	8.620 E4	0.00
17)	L4	Arochlor-1242...						3.456	3.456 E4	0.00
18)	L4	Arochlor-1242...						8.675	8.675 E3	0.00
19)	L4	Arochlor-1242...						3.438	3.438 E4	0.00
20)	L4	Arochlor-1242...						8.620	8.620 E4	0.00
21)	L4	Arochlor-1242...						7.518	7.518 E3	0.00
22)	L5	Arochlor-1248...						2.955	2.955 E4	0.00
23)	L5	Arochlor-1248...						7.579	7.579 E4	0.00
24)	L5	Arochlor-1248...						8.767	8.767 E4	0.00
25)	L5	Arochlor-1248...						8.620	8.620 E4	0.00
26)	L5	Arochlor-1248...						4.448	4.448 E4	0.00
27)	L5	Arochlor-1248...						6.831	6.831 E4	0.00
28)	L5	Arochlor-1248...						6.301	6.301 E4	0.00
29)	L6	Arochlor-1254...						3.798	3.798 E3	0.00
30)	L6	Arochlor-1254...						1.890	1.890 E4	0.00
31)	L6	Arochlor-1254...						3.378	3.378 E3	0.00
32)	L6	Arochlor-1254...						1.709	1.709 E4	0.00
33)	L6	Arochlor-1254...						1.835	1.835 E4	0.00
34)	L6	Arochlor-1254...						7.518	7.518 E3	0.00
35)	L6	Arochlor-1254...						9.049	9.049 E3	0.00
36)	L7	Arochlor-1260...	1.455	1.373	1.336	1.311	1.248	1.291	1.301 E5	5.90
37)	L7	Arochlor-1260...	8.434	7.842	7.382	6.966	6.627	6.745	7.015 E4	10.43
38)	L7	Arochlor-1260...	8.687	7.790	7.932	7.724	7.310	7.524	7.617 E4	6.45
39)	L7	Arochlor-1260...	2.064	1.821	1.728	1.706	1.650	1.724	1.748 E5	7.34
40)	L7	Arochlor-1260...	2.160	1.972	1.857	1.785	1.693	1.743	1.798 E5	9.61

41)	L8	Arochlor-1262...					7.518	7.518	E3	0.00
42)	L8	Arochlor-1262...					4.054	4.054	E4	0.00
43)	L8	Arochlor-1262...					5.189	5.189	E4	0.00
44)	L8	Arochlor-1262...					3.395	3.395	E4	0.00
45)	L8	Arochlor-1262...					2.112	2.112	E5	0.00
46)	L9	Arochlor-1268...					2.112	2.112	E5	0.00
47)	L9	Arochlor-1268...					2.039	2.039	E5	0.00
48)	L9	Arochlor-1268...					1.652	1.652	E5	0.00
49)	L9	Arochlor-1268...					7.616	7.616	E4	0.00
50)	L9	Arochlor-1268...					5.289	5.289	E5	0.00
51)	S	DCB		1.507	1.409	1.328	1.365	1.357	E6	5.84

Signal #2 Calibration Files

	=	50	=S002700.D	100	=S002701.D
250	=S002702.D	500	=S002703.D	750	=S002704.D

		Compound	50	100	250	500	750	Avg		%RSD
1)	S	TCMX	1.360	1.362	1.393	1.375	1.418	1.529	1.433 E6	4.54
2)	L1	Arochlor-1016...	3.257	2.881	3.028	2.980	2.780	2.880	2.876 E4	6.75
3)	L1	Arochlor-1016...	7.533	6.541	6.138	5.706	5.459	5.620	5.865 E4	13.06
4)	L1	Arochlor-1016...	1.252	1.236	1.218	1.126	1.109	1.169	1.160 E5	5.27
5)	L1	Arochlor-1016...	5.218	4.842	4.831	4.697	4.508	4.637	4.653 E4	6.10
6)	L1	Arochlor-1016...	4.078	3.959	3.924	3.818	3.612	3.749	3.736 E4	6.10
7)	L2	Arochlor-1221...						1.309	1.309 E4	0.00
8)	L2	Arochlor-1221...						1.734	1.734 E4	0.00
9)	L2	Arochlor-1221...						4.294	4.294 E4	0.00
10)	L2	Arochlor-1221...						9.741	9.741 E3	0.00
11)	L2	Arochlor-1221...						5.377	5.377 E3	0.00
12)	L3	Arochlor-1232...						3.711	3.711 E4	0.00
13)	L3	Arochlor-1232...						3.096	3.096 E4	0.00
14)	L3	Arochlor-1232...						5.798	5.798 E4	0.00
15)	L3	Arochlor-1232...						2.398	2.398 E4	0.00
16)	L3	Arochlor-1232...						1.758	1.758 E4	0.00
17)	L4	Arochlor-1242...						5.189	5.189 E4	0.00
18)	L4	Arochlor-1242...						1.077	1.077 E5	0.00
19)	L4	Arochlor-1242...						4.520	4.520 E4	0.00
20)	L4	Arochlor-1242...						3.447	3.447 E4	0.00
21)	L4	Arochlor-1242...						4.123	4.123 E4	0.00
22)	L5	Arochlor-1248...						2.789	2.789 E4	0.00
23)	L5	Arochlor-1248...						7.086	7.086 E4	0.00
24)	L5	Arochlor-1248...						4.378	4.378 E4	0.00
25)	L5	Arochlor-1248...						5.825	5.825 E4	0.00
26)	L5	Arochlor-1248...						5.540	5.540 E4	0.00
27)	L5	Arochlor-1248...						7.760	7.760 E4	0.00
28)	L5	Arochlor-1248...						7.657	7.657 E4	0.00
29)	L6	Arochlor-1254...						6.028	6.028 E4	0.00
30)	L6	Arochlor-1254...						6.622	6.622 E4	0.00
31)	L6	Arochlor-1254...						5.202	5.202 E4	0.00
32)	L6	Arochlor-1254...						9.864	9.864 E4	0.00
33)	L6	Arochlor-1254...						7.413	7.413 E4	0.00
34)	L6	Arochlor-1254...						5.401	5.401 E4	0.00
35)	L6	Arochlor-1254...						8.007	8.007 E4	0.00
36)	L7	Arochlor-1260...	1.279	1.205	1.155	1.127	1.064	1.105	1.121 E5	7.20

37)	L7	Arochlor-1260...	7.997	7.042	6.329	6.293	5.913	6.205	6.319	E4	12.37
38)	L7	Arochlor-1260...	9.096	7.567	7.198	6.997	6.559	6.375	6.990	E4	13.24
39)	L7	Arochlor-1260...	1.807	1.564	1.475	1.451	1.384	1.435	1.477	E5	9.23
40)	L7	Arochlor-1260...	1.969	1.735	1.638	1.595	1.506	1.545	1.604	E5	10.11
41)	L8	Arochlor-1262...						7.045	7.045	E4	0.00
42)	L8	Arochlor-1262...						9.220	9.220	E4	0.00
43)	L8	Arochlor-1262...						9.194	9.194	E4	0.00
44)	L8	Arochlor-1262...						1.731	1.731	E5	0.00
45)	L8	Arochlor-1262...						2.052	2.052	E5	0.00
46)	L9	Arochlor-1268...						1.842	1.842	E5	0.00
47)	L9	Arochlor-1268...						2.009	2.009	E5	0.00
48)	L9	Arochlor-1268...						1.500	1.500	E5	0.00
49)	L9	Arochlor-1268...						7.077	7.077	E4	0.00
50)	L9	Arochlor-1268...						5.089	5.089	E5	0.00
51)	S	DCB			1.583	1.478	1.383	1.420	1.405	E6	7.06

(#) = Out of Range ### Number of calibration levels exceeded format ###

SPCB0321.M Tue Mar 25 15:40:34 2025

FORM VII CONTINUING CALIBRATION CHECK

SW-846 8082A

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Instrument:	GCECD-S
Project:	Tom Olivieri Park	Calibration:	TC50030
Lab File ID:	S004717.D	Calibration Date:	03/21/25 00:00
Sequence:	TH50268	Injection Date:	08/15/25 13:13
Lab Sample ID:	TH50268-CCV1		

Compound	TRUE Value (ug/L)	Actual Value (ug/L)	% Recovery	In House LL	In House UL	DKQP LL	DKQP UL	Recovery Flag
Aroclor 1016	500	502	100	80	120	40.00	140.00	
Aroclor 1260	500	545	109	80	120	40.00	140.00	

FORM VII CONTINUING CALIBRATION CHECK

SW-846 8082A

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Instrument:	GCECD-S
Project:	Tom Olivieri Park	Calibration:	TC50030
Lab File ID:	S004736.D	Calibration Date:	03/21/25 00:00
Sequence:	TH50268	Injection Date:	08/15/25 19:54
Lab Sample ID:	TH50268-CCV2		

Compound	TRUE Value (ug/L)	Actual Value (ug/L)	% Recovery	In House LL	In House UL	DKQP LL	DKQP UL	Recovery Flag
Aroclor 1016	500	494	98.7	80	120	40.00	140.00	
Aroclor 1260	500	527	105	80	120	40.00	140.00	

FORM VII CONTINUING CALIBRATION CHECK

SW-846 8082A

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Instrument:	GCECD-S
Project:	Tom Olivieri Park	Calibration:	TC50030
Lab File ID:	S004738.D	Calibration Date:	03/21/25 00:00
Sequence:	TH50268	Injection Date:	08/15/25 20:22
Lab Sample ID:	TH50268-CCV3		

Compound	TRUE Value (ug/L)	Actual Value (ug/L)	% Recovery	In House LL	In House UL	DKQP LL	DKQP UL	Recovery Flag
Aroclor 1016	500	500	100	80	120	40.00	140.00	
Aroclor 1260	500	468	93.6	80	120	40.00	140.00	

NJDEP EPH Rev 3.0

Sample Information

Client Sample ID: **S-1** **York Sample ID:** **T5H0412-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
T5H0412	Tom Olivieri Park	Soil	August 11, 2025 10:00 am	08/12/2025

EPH Category 1 by GC/FID

Sample Prepared by Method: SW-846 3546 (GC) Results Reported to RL % Solids: 99.08

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
	C9 to C28 Hydrocarbons (EC Range)	79.8		mg/kg dry	18.2	1	NJDEP EPH Rev 3.0	08/13/2025 08:02	08/14/2025 09:29	ZZZ

	Surrogate Recoveries	Result	Acceptance Range
3386-33-2	*Surrogate: 1-Chlorooctadecane*	*106 %*	*40-140*
84-15-1	*Surrogate: o-Terphenyl*	*103 %*	*40-140*

Quantitation Report (QT Reviewed)

Data Path : L:\GC\GCFID-D\20250813\
Data File : D005713.D
Signal(s) : FID1A.ch
Acq On : 14 Aug 2025 09:29 am
Operator :
Sample : T5H0412-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: events.e
Quant Time: Aug 14 13:31:54 2025
Quant Method : L:\GC\GCFID-D\Methods\DALI0717.M
Quant Title : NJDEP EPH Rev 3 by GCFID
QLast Update : Fri Jul 18 17:10:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : RTX-5
Signal Info : 0.32

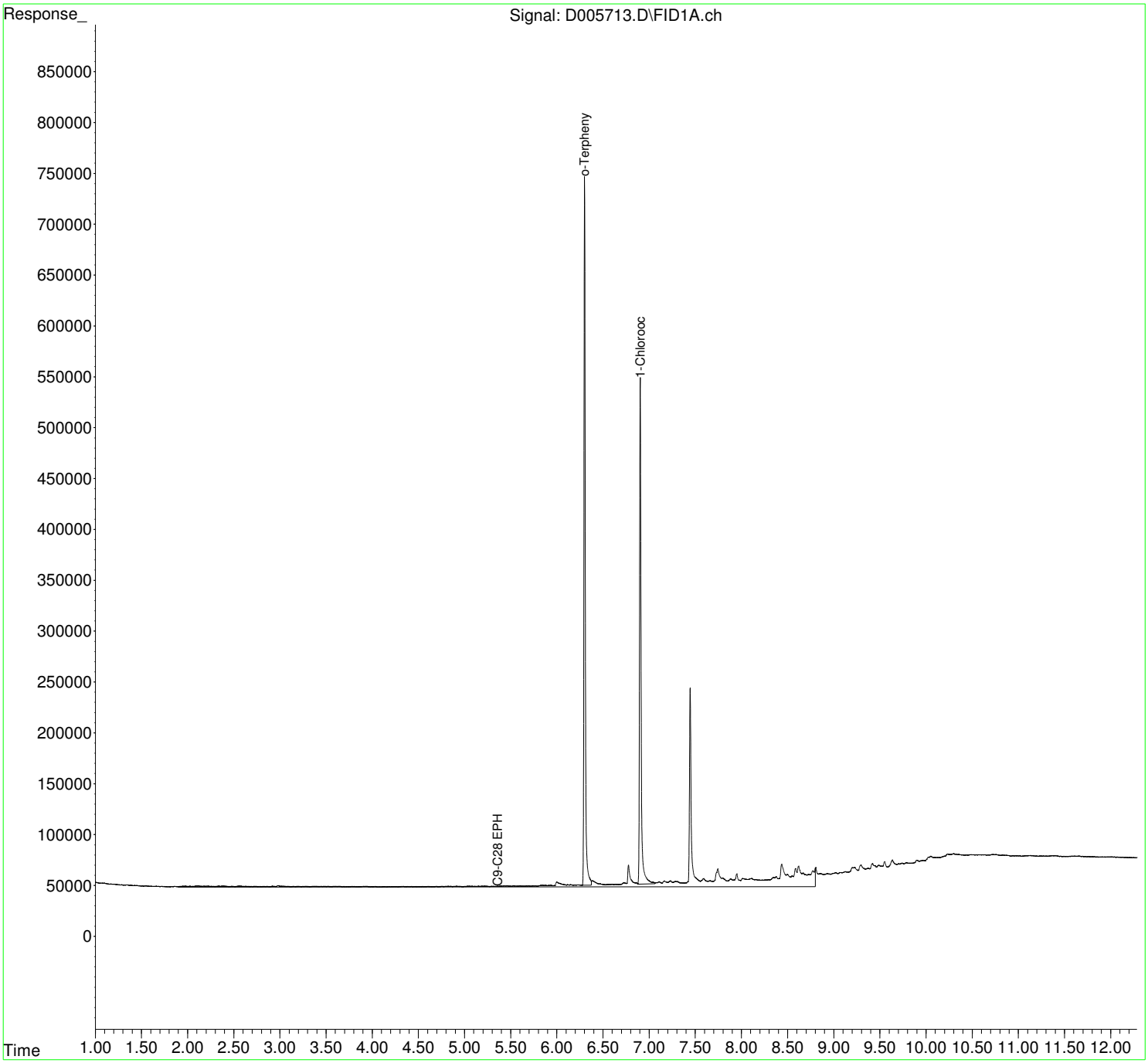
	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
9) S	o-Terphenyl	6.301	7007017	102.795	ppm
11) S	1-Chlorooctadecane	6.904	5744250	106.396	ppm
	Target Compounds				
8)	n-Octadecane (C18)	6.146	13103	<MDL	ppm
27) H	C9-C28 EPH	5.350	13827569	263.555	ppm

(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : L:\GC\GCFID-D\20250813\
Data File : D005713.D
Signal(s) : FID1A.ch
Acq On : 14 Aug 2025 09:29 am
Operator :
Sample : T5H0412-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: events.e
Quant Time: Aug 14 13:31:54 2025
Quant Method : L:\GC\GCFID-D\Methods\DALI0717.M
Quant Title : NJDEP EPH Rev 3 by GCFID
QLast Update : Fri Jul 18 17:10:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : RTX-5
Signal Info : 0.32



FORM II SURROGATE STANDARD RECOVERY AND RT SUMMARY

NJDEP EPH Rev 3.0

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Project:	Tom Olivieri Park
Sequence:	TH50212	Instrument:	GCFID-D
		Calibration:	TG50018

Surrogate Compound	Spike Level mg/kg wet	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
LCS (T25H268-BS1)			Lab File ID: D005690.D		Analyzed: 08/13/25 14:40			
1-Chlorooctadecane	30.0	96.7	40 - 140	6.92	6.918	0.0020	+/-1.00	
o-Terphenyl	30.0	104	40 - 140	6.304	6.313	-0.0090	+/-1.00	
LCS Dup (T25H268-BSD1)			Lab File ID: D005691.D		Analyzed: 08/13/25 14:58			
1-Chlorooctadecane	30.0	108	40 - 140	6.904	6.918	-0.0140	+/-1.00	
o-Terphenyl	30.0	112	40 - 140	6.3	6.313	-0.0130	+/-1.00	
Blank (T25H268-BLK1)			Lab File ID: D005692.D		Analyzed: 08/13/25 15:17			
1-Chlorooctadecane	30.0	100	40 - 140	6.904	6.918	-0.0140	+/-1.00	
o-Terphenyl	30.0	105	40 - 140	6.301	6.313	-0.0120	+/-1.00	
S-1 (T5H0412-01)			Lab File ID: D005713.D		Analyzed: 08/14/25 09:29			
1-Chlorooctadecane	30.3	106	40 - 140	6.904	6.918	-0.0140	+/-1.00	
o-Terphenyl	30.3	103	40 - 140	6.301	6.313	-0.0120	+/-1.00	
Duplicate (T25H268-DUP1)			Lab File ID: D005714.D		Analyzed: 08/14/25 09:47			
1-Chlorooctadecane	35.8	71.8	40 - 140	6.903	6.918	-0.0150	+/-1.00	
o-Terphenyl	35.8	71.2	40 - 140	6.3	6.313	-0.0130	+/-1.00	
Matrix Spike (T25H268-MS1)			Lab File ID: D005715.D		Analyzed: 08/14/25 10:05			
1-Chlorooctadecane	32.8	115	40 - 140	6.903	6.918	-0.0150	+/-1.00	
o-Terphenyl	32.8	127	40 - 140	6.3	6.313	-0.0130	+/-1.00	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

NJDEP EPH Rev 3.0

Matrix Spike

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Project:	Tom Olivieri Park
Matrix:	Soil		
Batch:	T25H268	Laboratory ID:	T25H268-MS1
Preparation:	SW-846 3546 (GC)	Initial/Final:	10 g / 3 mL

Source Sample Name: T5H0360-01

COMPOUND	SPIKE ADDED (mg/kg dry)	SAMPLE CONCENTRATION (mg/kg dry)	MS CONCENTRATION (mg/kg dry)	MS % REC. #	QC LIMITS REC.	Q
C9 to C28 Hydrocarbons (EC Range)	78.8	78.5	141	78.9	40 - 140	
C9 to C28 Hydrocarbons (Sum of Components)	78.8	ND	84.6	107	40 - 140	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE RAW DATA

SDG: T5H0412
CLASS: GC EPH
METHOD: NJDEP EPH Rev 3.0

Quantitation Report (QT Reviewed)

Data Path : L:\GC\GCFID-D\20250813\
Data File : D005715.D
Signal(s) : FID1A.ch
Acq On : 14 Aug 2025 10:05 am
Operator :
Sample : T25H268-MS1
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File: events.e
Quant Time: Aug 14 13:33:34 2025
Quant Method : L:\GC\GCFID-D\Methods\DALI0717.M
Quant Title : NJDEP EPH Rev 3 by GCFID
QLast Update : Fri Jul 18 17:10:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : RTX-5
Signal Info : 0.32

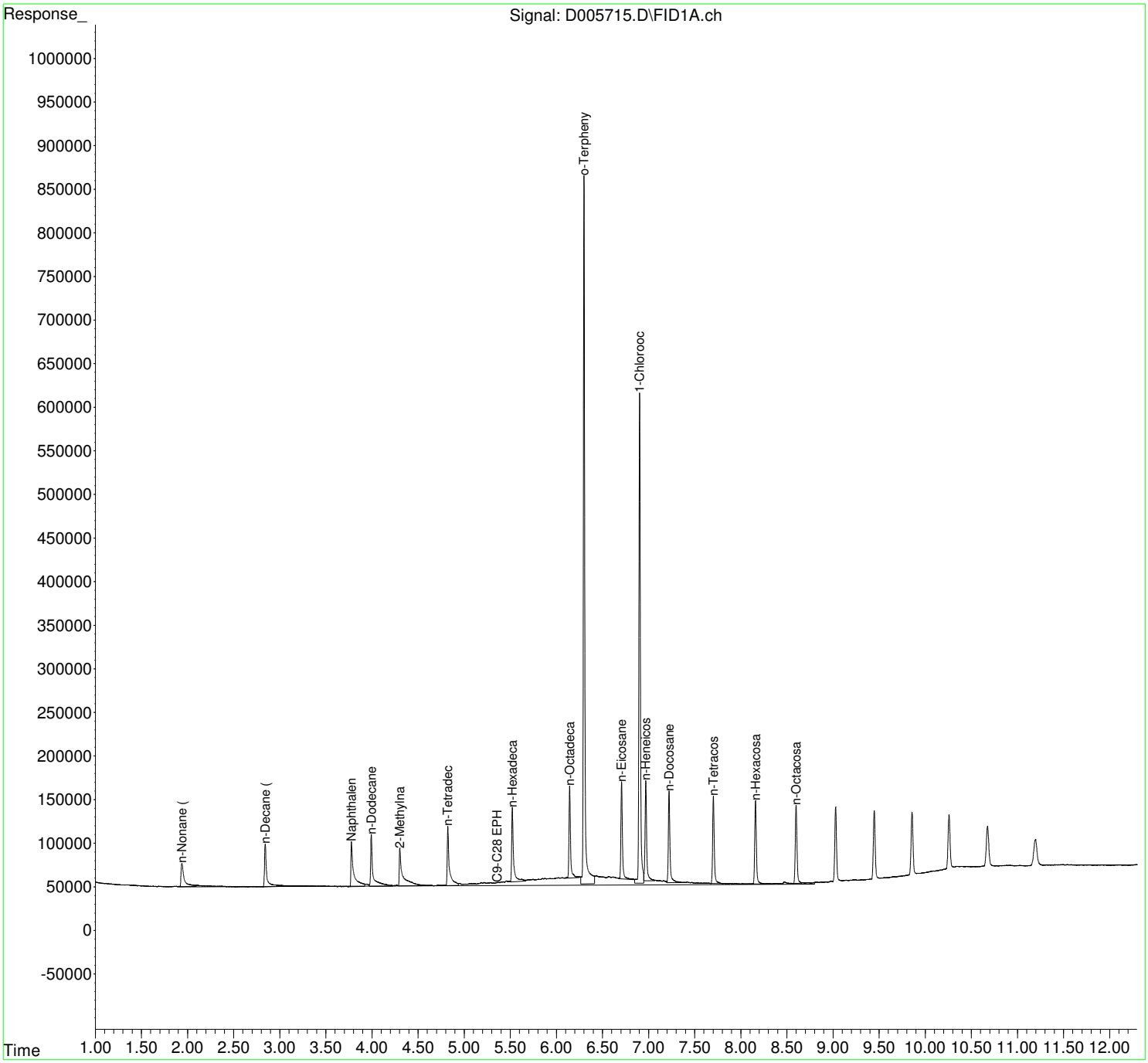
	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
3) S	Naphthalene	3.778	1055279	19.946	ppm	
5) S	2-Methylnaphthalene	4.302	1129035	21.977	ppm	
9) S	o-Terphenyl	6.300	8630184	126.607	ppm	
11) S	1-Chlorooctadecane	6.903	6205540	114.940	ppm	
	Target Compounds					
1)	n-Nonane (C9)	1.939	621952	13.665	ppm	
2)	n-Decane (C10)	2.843	804173	17.740	ppm	
4)	n-Dodecane (C12)	3.993	1066252	20.375	ppm	
6)	n-Tetradecane (C14)	4.823	1079489	20.812	ppm	
7)	n-Hexadecane (C16)	5.522	1199098	21.815	ppm	m
8)	n-Octadecane (C18)	6.143	1238356	22.698	ppm	m
10)	n-Eicosane (C20)	6.707	1285035	22.495	ppm	m
12)	n-Heneicosane (C21)	6.969	1400415	24.091	ppm	m
13)	n-Docosane (C22)	7.222	1322927	23.651	ppm	
14)	n-Tetracosane (C24)	7.703	1223536	22.545	ppm	
15)	n-Hexacosane (C26)	8.160	1210899	23.676	ppm	
16)	n-Octacosane (C28)	8.600f	1163638	24.038	ppm	m
27) H	C9-C28 EPH	5.350	22491243	428.686	ppm	

(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : L:\GC\GCFID-D\20250813\
Data File : D005715.D
Signal(s) : FID1A.ch
Acq On : 14 Aug 2025 10:05 am
Operator :
Sample : T25H268-MS1
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File: events.e
Quant Time: Aug 14 13:33:34 2025
Quant Method : L:\GC\GCFID-D\Methods\DALI0717.M
Quant Title : NJDEP EPH Rev 3 by GCFID
QLast Update : Fri Jul 18 17:10:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : RTX-5
Signal Info : 0.32



DUPLICATES

Duplicate

NJDEP EPH Rev 3.0

Laboratory: York Analytical Laboratories- Toms River
SDG: T5H0412
Client: Kenny Environmental Services
Project: Tom Olivieri Park
Matrix: Soil
Laboratory ID: T25H268-DUP1
Batch: T25H268
Lab Source ID: T5H0364-02
Preparation: SW-846 3546 (GC)
Initial/Final: 10 g / 3 mL
Source Sample Name: Duplicate
% Solids: 83.87

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/kg dry)	C	DUPLICATE CONCENTRATION (mg/kg dry)	C	RPD %	Q	METHOD
1-Chlorooctadecane		25.5		25.7				NJDEP EPH Rev 3.0
C9 to C28 Hydrocarbons (EC Range)	50	37.0		42.9		14.6		NJDEP EPH Rev 3.0
C9 to C28 Hydrocarbons (Sum of Components)	50	ND		ND				NJDEP EPH Rev 3.0
n-Decane (C10)	50	ND		ND				NJDEP EPH Rev 3.0
n-Docosane (C22)	50	ND		ND				NJDEP EPH Rev 3.0
n-Dodecane (C12)	50	ND		ND				NJDEP EPH Rev 3.0
n-Eicosane (C20)	50	ND		ND				NJDEP EPH Rev 3.0
n-Heneicosane (C21)	50	ND		ND				NJDEP EPH Rev 3.0
n-Hexacosane (C26)	50	ND		ND				NJDEP EPH Rev 3.0
n-Hexadecane (C16)	50	ND		ND				NJDEP EPH Rev 3.0
n-Nonane (C9)	50	ND		ND				NJDEP EPH Rev 3.0
n-Octacosane (C28)	50	ND		ND				NJDEP EPH Rev 3.0
n-Octadecane (C18)	50	ND		ND				NJDEP EPH Rev 3.0
n-Tetracosane (C24)	50	ND		ND				NJDEP EPH Rev 3.0
n-Tetradecane (C14)	50	ND		ND				NJDEP EPH Rev 3.0
o-Terphenyl		27.7		25.5				NJDEP EPH Rev 3.0

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : L:\GC\GCFID-D\20250813\
Data File : D005714.D
Signal(s) : FID1A.ch
Acq On : 14 Aug 2025 09:47 am
Operator :
Sample : T25H268-DUP1
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File: events.e
Quant Time: Aug 14 13:32:26 2025
Quant Method : L:\GC\GCFID-D\Methods\DALI0717.M
Quant Title : NJDEP EPH Rev 3 by GCFID
QLast Update : Fri Jul 18 17:10:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : RTX-5
Signal Info : 0.32

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
9) S	o-Terphenyl	6.300	4854131	71.211	ppm	
11) S	1-Chlorooctadecane	6.903	3875670	71.786	ppm	m
	Target Compounds					
16)	n-Octacosane (C28)	8.653	13000	<MDL	ppm	
17)	n-Triacontane (C30)	9.102	1243	<MDL	ppm	
27) H	C9-C28 EPH	5.350	6290281	119.894	ppm	

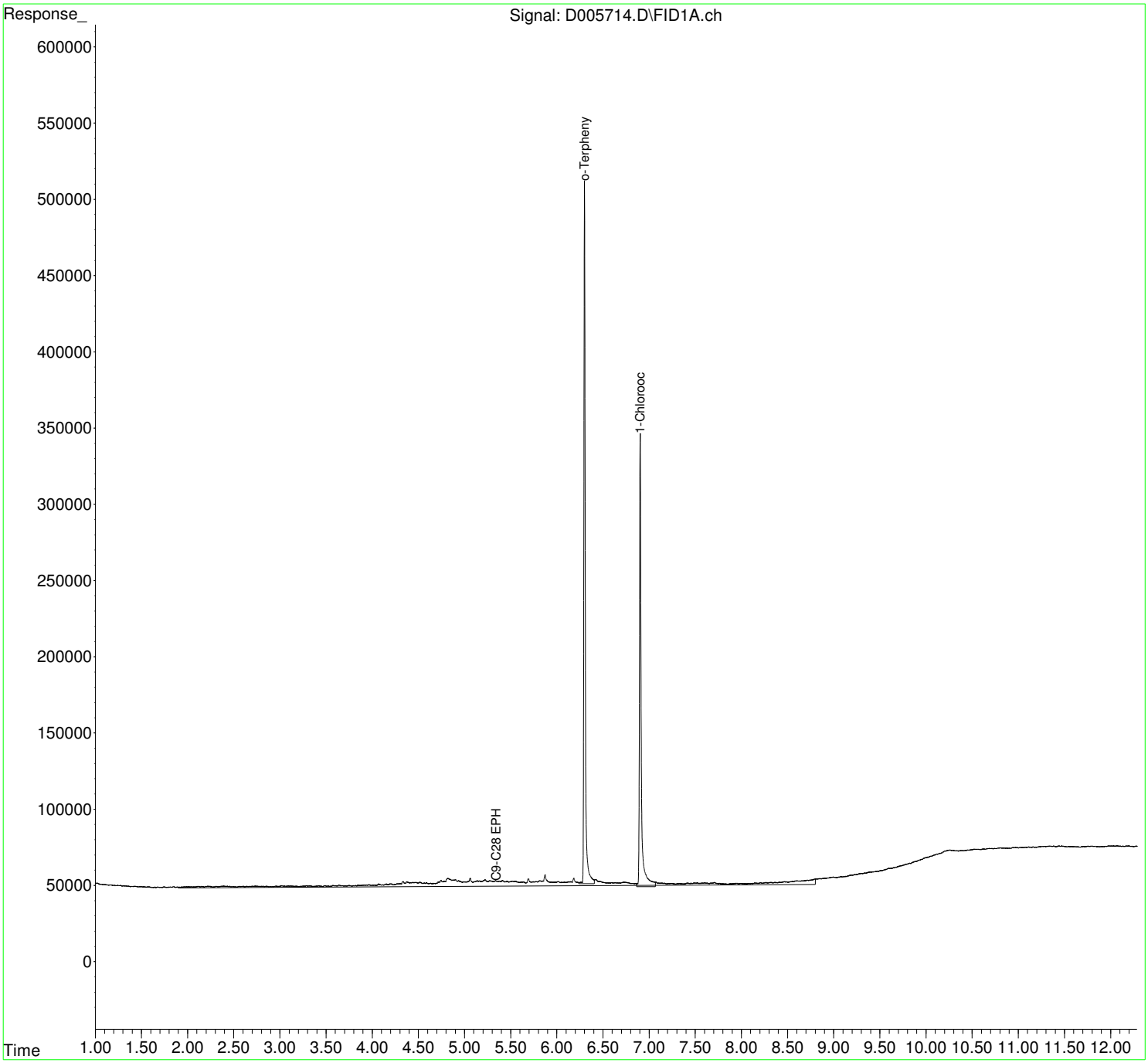
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : L:\GC\GCFID-D\20250813\
Data File : D005714.D
Signal(s) : FID1A.ch
Acq On : 14 Aug 2025 09:47 am
Operator :
Sample : T25H268-DUP1
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File: events.e
Quant Time: Aug 14 13:32:26 2025
Quant Method : L:\GC\GCFID-D\Methods\DALI0717.M
Quant Title : NJDEP EPH Rev 3 by GCFID
QLast Update : Fri Jul 18 17:10:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : RTX-5
Signal Info : 0.32



DUPLICATE RAW DATA

SDG: T5H0412
CLASS: GC EPH
METHOD: NJDEP EPH Rev 3.0

Quantitation Report (QT Reviewed)

Data Path : L:\GC\GCFID-D\20250813\
Data File : D005714.D
Signal(s) : FID1A.ch
Acq On : 14 Aug 2025 09:47 am
Operator :
Sample : T25H268-DUP1
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File: events.e
Quant Time: Aug 14 13:32:26 2025
Quant Method : L:\GC\GCFID-D\Methods\DALI0717.M
Quant Title : NJDEP EPH Rev 3 by GCFID
QLast Update : Fri Jul 18 17:10:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : RTX-5
Signal Info : 0.32

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
9) S	o-Terphenyl	6.300	4854131	71.211	ppm	
11) S	1-Chlorooctadecane	6.903	3875670	71.786	ppm	m
	Target Compounds					
16)	n-Octacosane (C28)	8.653	13000	<MDL	ppm	
17)	n-Triacontane (C30)	9.102	1243	<MDL	ppm	
27) H	C9-C28 EPH	5.350	6290281	119.894	ppm	

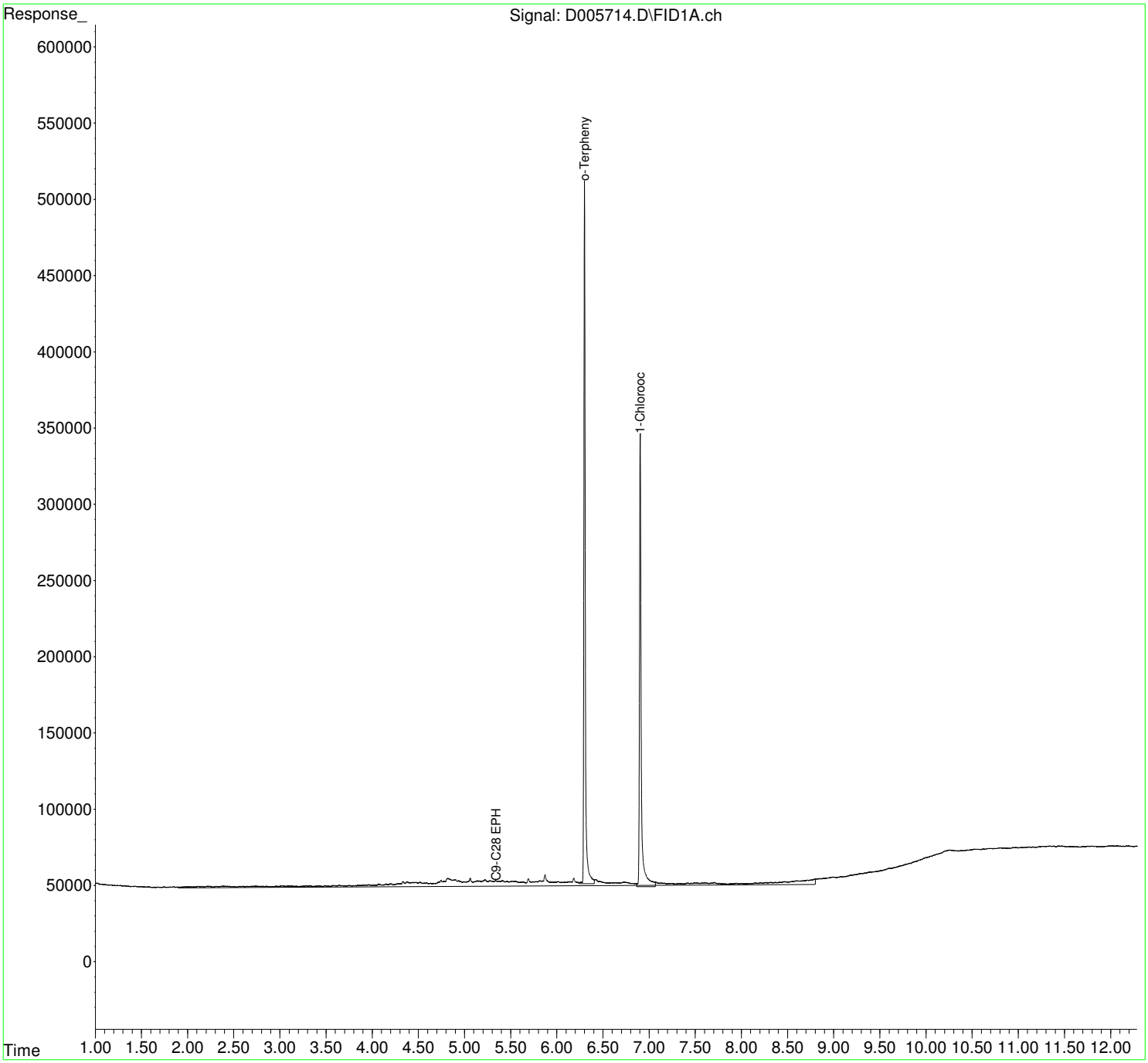
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : L:\GC\GCFID-D\20250813\
Data File : D005714.D
Signal(s) : FID1A.ch
Acq On : 14 Aug 2025 09:47 am
Operator :
Sample : T25H268-DUP1
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File: events.e
Quant Time: Aug 14 13:32:26 2025
Quant Method : L:\GC\GCFID-D\Methods\DALI0717.M
Quant Title : NJDEP EPH Rev 3 by GCFID
QLast Update : Fri Jul 18 17:10:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : RTX-5
Signal Info : 0.32



FORM III

LCS / LCS DUPLICATE RECOVERY

NJDEP EPH Rev 3.0

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Project:	Tom Olivieri Park
Matrix:	Soil		
Batch:	T25H268	Laboratory ID:	T25H268-BS1
Preparation:	SW-846 3546 (GC)	Initial/Final:	10 g / 3 mL

COMPOUND	SPIKE ADDED (mg/kg wet)	LCS CONCENTRATION (mg/kg wet)	LCS % REC. #	QC LIMITS REC.	Q
C9 to C28 Hydrocarbons (EC Range)	72.0	92.8	129	40 - 140	
C9 to C28 Hydrocarbons (Sum of Components)	72.0	67.3	93.5	40 - 140	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

NJDEP EPH Rev 3.0

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Project:	Tom Olivieri Park
Matrix:	Soil		
Batch:	T25H268	Laboratory ID:	T25H268-BSD1
Preparation:	SW-846 3546 (GC)	Initial/Final:	10 g / 3 mL

COMPOUND	SPIKE ADDED (mg/kg wet)	LCSD CONCENTRATION (mg/kg wet)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	Q
C9 to C28 Hydrocarbons (EC Range)	72.0	98.8	137	6.29	30	40 - 140	
C9 to C28 Hydrocarbons (Sum of Components)	72.0	72.4	101	7.27	30	40 - 140	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS RAW DATA

SDG: T5H0412

CLASS: GC EPH

METHOD: NJDEP EPH Rev 3.0

Quantitation Report (QT Reviewed)

Data Path : L:\GC\GCFID-D\20250813\
Data File : D005690.D
Signal(s) : FID1A.ch
Acq On : 13 Aug 2025 02:40 pm
Operator : IAP
Sample : T25H268-BS1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: events.e
Quant Time: Aug 13 17:30:33 2025
Quant Method : L:\GC\GCFID-D\Methods\DALI0717.M
Quant Title : NJDEP EPH Rev 3 by GCFID
QLast Update : Fri Jul 18 17:10:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : RTX-5
Signal Info : 0.32

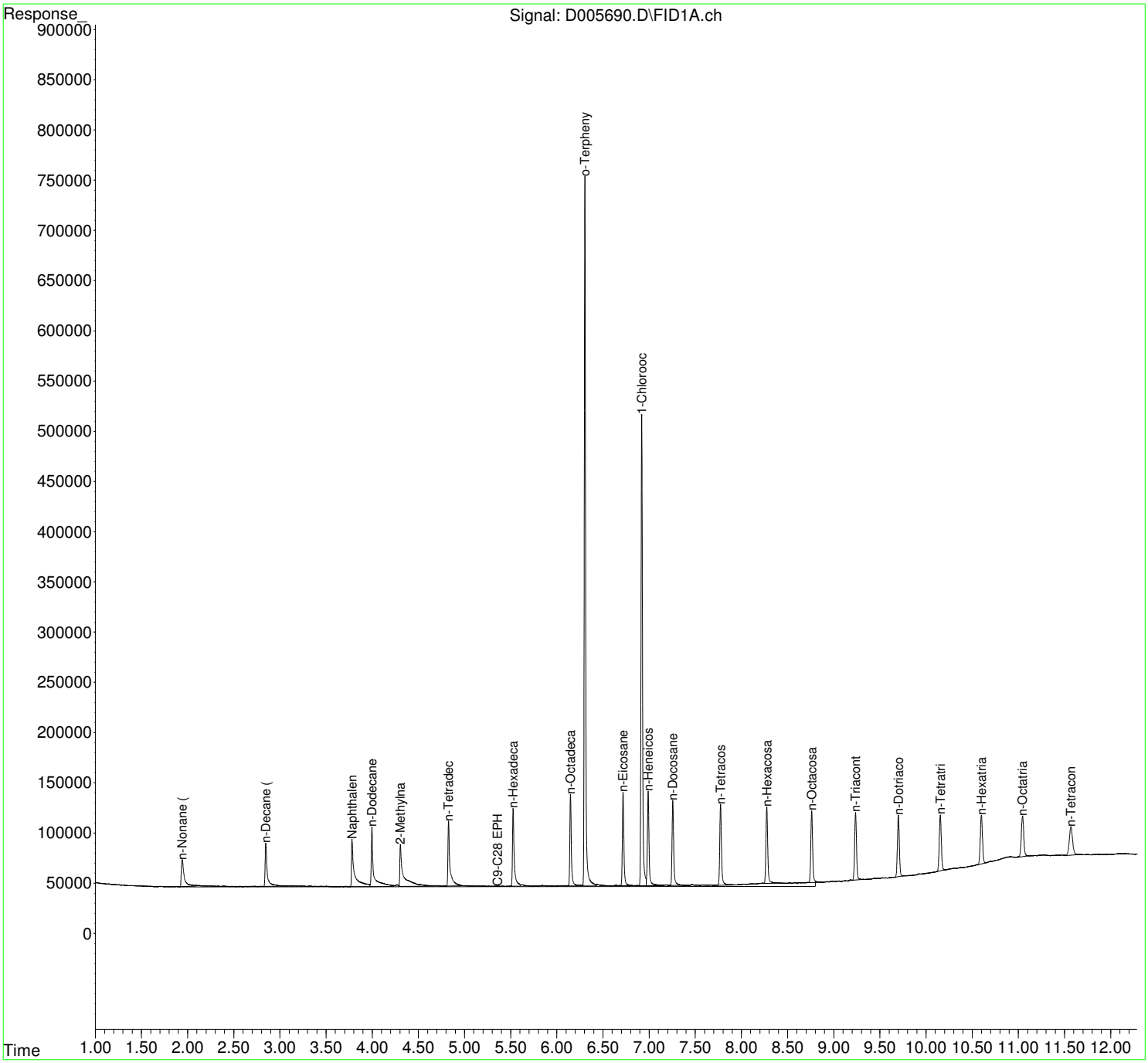
	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
3) S	Naphthalene	3.782	1037748	19.615	ppm	
5) S	2-Methylnaphthalene	4.305	1137955	22.151	ppm	
9) S	o-Terphenyl	6.304	7062403	103.607	ppm	
11) S	1-Chlorooctadecane	6.920	5220853	96.701	ppm	
	Target Compounds					
1)	n-Nonane (C9)	1.942	594750	13.067	ppm	
2)	n-Decane (C10)	2.847	694517	15.321	ppm	
4)	n-Dodecane (C12)	3.996	1067686	20.403	ppm	
6)	n-Tetradecane (C14)	4.827	967300	18.649	ppm	
7)	n-Hexadecane (C16)	5.526	1000961	18.211	ppm	
8)	n-Octadecane (C18)	6.148	1037472	19.016	ppm	
10)	n-Eicosane (C20)	6.718	1087294	19.033	ppm	
12)	n-Heneicosane (C21)	6.990	1186393	20.409	ppm	
13)	n-Docosane (C22)	7.257	1067611	19.087	ppm	
14)	n-Tetracosane (C24)	7.774	1069363	19.704	ppm	
15)	n-Hexacosane (C26)	8.274f	1044616	20.424	ppm	m
16)	n-Octacosane (C28)	8.762f	1018114	21.032	ppm	
17)	n-Triacontane (C30)	9.236f	958010	20.677	ppm	m
18)	n-Dotriacontane (C32)	9.700f	910448	20.614	ppm	m
19)	n-Tetratriacontane (C34)	10.154f	863218	20.447	ppm	m
20)	n-Hexatriacontane (C36)	10.599	803111	20.482	ppm	m
21)	n-Octatriacontane (C38)	11.045	756165	19.173	ppm	m
22)	n-Tetracontane (C40)	11.569	718565	18.437	ppm	m
27) H	C9-C28 EPH	5.350	16224221	309.236	ppm	

(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : L:\GC\GCFID-D\20250813\
Data File : D005690.D
Signal(s) : FID1A.ch
Acq On : 13 Aug 2025 02:40 pm
Operator : IAP
Sample : T25H268-BS1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: events.e
Quant Time: Aug 13 17:30:33 2025
Quant Method : L:\GC\GCFID-D\Methods\DALI0717.M
Quant Title : NJDEP EPH Rev 3 by GCFID
QLast Update : Fri Jul 18 17:10:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : RTX-5
Signal Info : 0.32



Quantitation Report (QT Reviewed)

Data Path : L:\GC\GCFID-D\20250813\
Data File : D005691.D
Signal(s) : FID1A.ch
Acq On : 13 Aug 2025 02:58 pm
Operator : IAP
Sample : T25H268-BSD1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: events.e
Quant Time: Aug 13 17:30:38 2025
Quant Method : L:\GC\GCFID-D\Methods\DALI0717.M
Quant Title : NJDEP EPH Rev 3 by GCFID
QLast Update : Fri Jul 18 17:10:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : RTX-5
Signal Info : 0.32

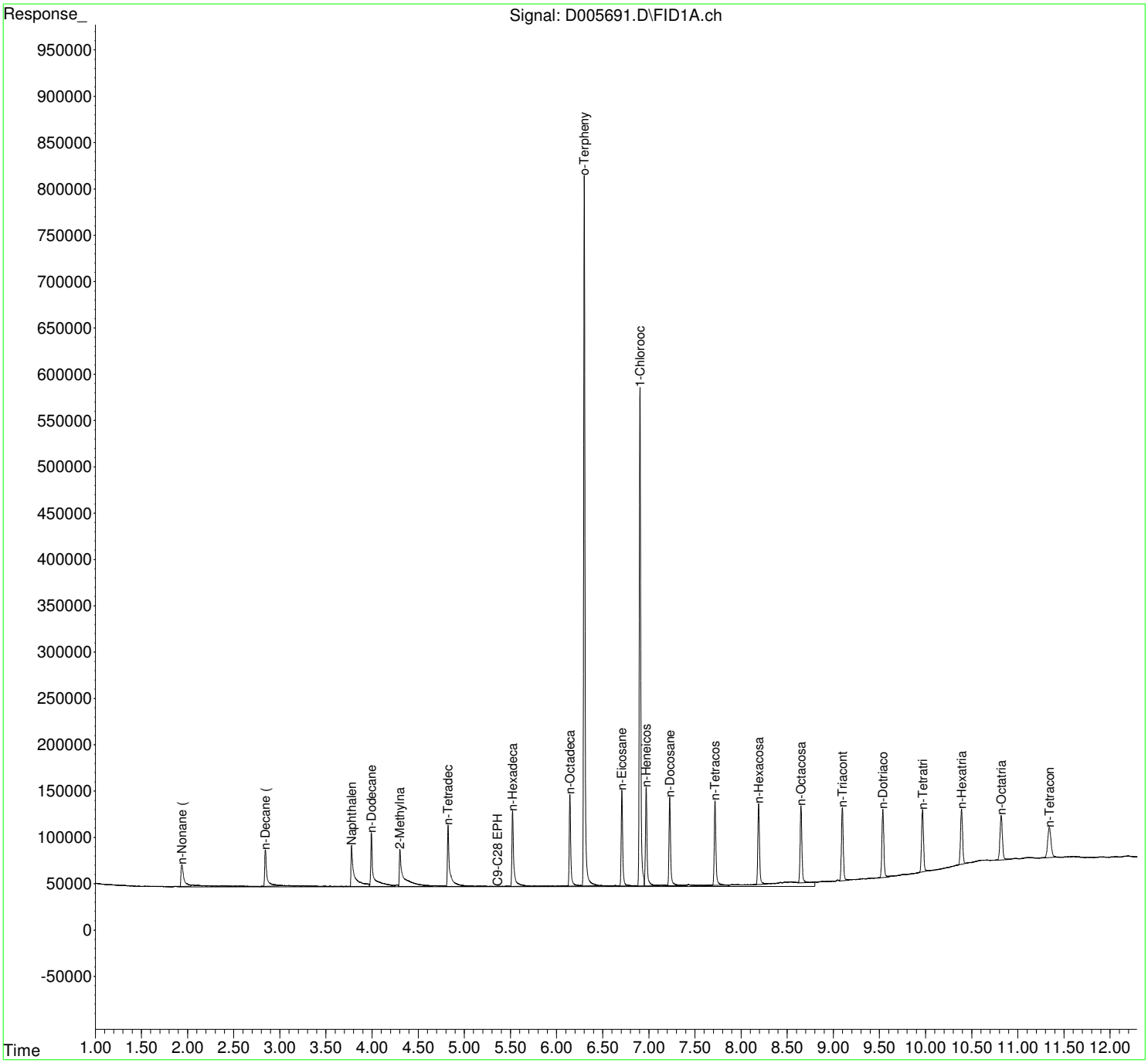
	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
3) S	Naphthalene	3.779	1033179	19.528	ppm	
5) S	2-Methylnaphthalene	4.302	1198830	23.336	ppm	
9) S	o-Terphenyl	6.300	7648651	112.208	ppm	
11) S	1-Chlorooctadecane	6.904	5807708	107.571	ppm	
	Target Compounds					
1)	n-Nonane (C9)	1.939	510078	11.207	ppm	
2)	n-Decane (C10)	2.844	647081	14.275	ppm	
4)	n-Dodecane (C12)	3.993	1123157	21.463	ppm	
6)	n-Tetradecane (C14)	4.824	1098416	21.177	ppm	
7)	n-Hexadecane (C16)	5.523	1113080	20.250	ppm	
8)	n-Octadecane (C18)	6.145	1147456	21.031	ppm	
10)	n-Eicosane (C20)	6.708	1175254	20.573	ppm	
12)	n-Heneicosane (C21)	6.972	1314134	22.606	ppm	
13)	n-Docosane (C22)	7.227	1180857	21.111	ppm	
14)	n-Tetracosane (C24)	7.718	1192183	21.968	ppm	
15)	n-Hexacosane (C26)	8.191	1142985	22.348	ppm	
16)	n-Octacosane (C28)	8.650	1126107	23.263	ppm	
17)	n-Triacontane (C30)	9.098	1110272	23.963	ppm	
18)	n-Dotriacontane (C32)	9.537	1086219	24.594	ppm	
19)	n-Tetratriacontane (C34)	9.967	1004143	23.785	ppm	m
20)	n-Hexatriacontane (C36)	10.390	926690	23.634	ppm	m
21)	n-Octatriacontane (C38)	10.819	879253	22.294	ppm	m
22)	n-Tetracontane (C40)	11.341	832169	21.352	ppm	m
27) H	C9-C28 EPH	5.350	17277242	329.307	ppm	

(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : L:\GC\GCFID-D\20250813\
Data File : D005691.D
Signal(s) : FID1A.ch
Acq On : 13 Aug 2025 02:58 pm
Operator : IAP
Sample : T25H268-BSD1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: events.e
Quant Time: Aug 13 17:30:38 2025
Quant Method : L:\GC\GCFID-D\Methods\DALI0717.M
Quant Title : NJDEP EPH Rev 3 by GCFID
QLast Update : Fri Jul 18 17:10:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : RTX-5
Signal Info : 0.32



FORM IV

PREPARATION BATCH SUMMARY

NJDEP EPH Rev 3.0

Laboratory: York Analytical Laboratories- Toms River SDG: T5H0412

Client: Kenny Environmental Services Project: Tom Olivieri Park

Batch: T25H268 Batch Matrix: Soil Preparation: SW-846 3546 (GC)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	T25H268-BLK1	D005692.D	08/13/25 08:02	
LCS	T25H268-BS1	D005690.D	08/13/25 08:02	
LCS Dup	T25H268-BSD1	D005691.D	08/13/25 08:02	
Duplicate	T25H268-DUP1	D005714.D	08/13/25 08:02	
Matrix Spike	T25H268-MS1	D005715.D	08/13/25 08:02	
S-1	T5H0412-01	D005713.D	08/13/25 08:02	

FORM I

METHOD BLANK DATA SHEET

NJDEP EPH Rev 3.0

Laboratory:	York Analytical Laboratories- Toms River			SDG:	T5H0412
Client:	Kenny Environmental Services			Laboratory ID:	T25H268-BLK1
Project:	Tom Olivieri Park			Calibration:	TG50018
Preparation:	SW-846 3546 (GC)	Prepared:	08/13/25 08:02	File ID:	D005692.D
Instrument:	GCFID-D	Analyzed:	08/13/25 15:17	Initial/Final:	10 g / 3 mL
Batch:	T25H268	Sequence:	TH50212	Matrix:	Soil

Analyzed by: **York Analytical Laboratories- Toms River**

EPH Category 1 by GC/FID
Sample Prepared by Method: SW-846 3546 (GC)

Results Reported to RL

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
	C9 to C28 Hydrocarbons (EC Range)	ND		mg/kg wet	18.0	1	NJDEP EPH Rev 3.0	08/13/25 08:02	08/13/25 15:17	IAP

	Surrogate Recoveries	Result	Acceptance Range
3386-33-2	1-Chlorooctadecane	*100 %*	*40-140*
84-15-1	o-Terphenyl	*105 %*	*40-140*

Quantitation Report (QT Reviewed)

Data Path : L:\GC\GCFID-D\20250813\
Data File : D005692.D
Signal(s) : FID1A.ch
Acq On : 13 Aug 2025 03:17 pm
Operator : IAP
Sample : T25H268-BLK1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: events.e
Quant Time: Aug 13 17:30:44 2025
Quant Method : L:\GC\GCFID-D\Methods\DALI0717.M
Quant Title : NJDEP EPH Rev 3 by GCFID
QLast Update : Fri Jul 18 17:10:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : RTX-5
Signal Info : 0.32

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	o-Terphenyl	6.301	7130243	104.602 ppm
11) S	1-Chlorooctadecane	6.904	5409501	100.195 ppm
	Target Compounds			

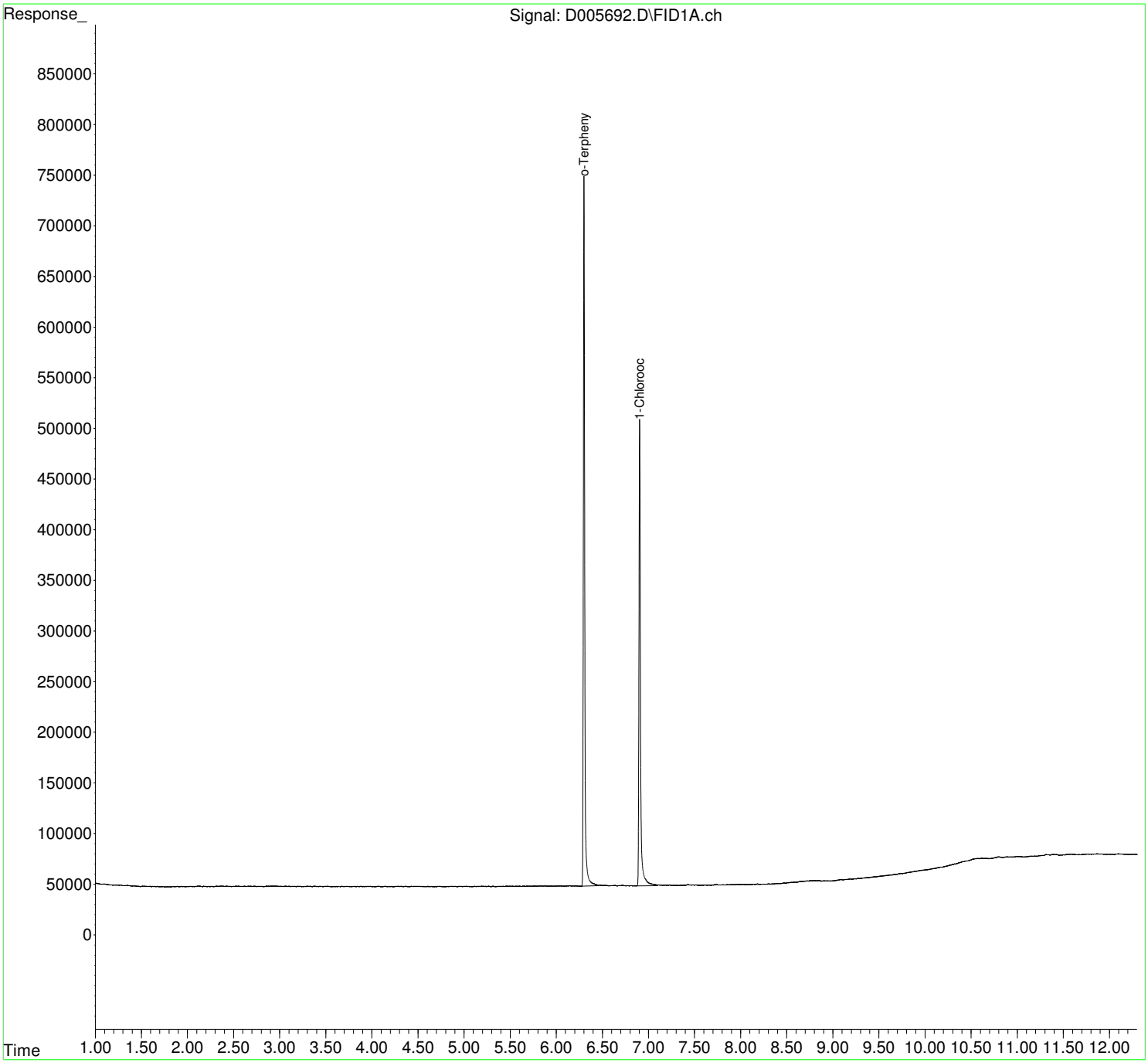
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : L:\GC\GCFID-D\20250813\
Data File : D005692.D
Signal(s) : FID1A.ch
Acq On : 13 Aug 2025 03:17 pm
Operator : IAP
Sample : T25H268-BLK1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: events.e
Quant Time: Aug 13 17:30:44 2025
Quant Method : L:\GC\GCFID-D\Methods\DALI0717.M
Quant Title : NJDEP EPH Rev 3 by GCFID
QLast Update : Fri Jul 18 17:10:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : RTX-5
Signal Info : 0.32



FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

NJDEP EPH Rev 3.0

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Project:	Tom Olivieri Park
Sequence:	TG50283	Instrument:	GCFID-D
		Calibration:	TG50018

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	TG50283-CAL1	D004785.D	07/17/25 14:31
Cal Standard	TG50283-CAL2	D004786.D	07/17/25 14:50
Cal Standard	TG50283-CAL3	D004787.D	07/17/25 15:08
Cal Standard	TG50283-CAL6	D004788.D	07/17/25 15:26
Cal Standard	TG50283-CAL5	D004789.D	07/17/25 15:45
Cal Standard	TG50283-CAL4	D004790.D	07/17/25 16:03
Cal Standard	TG50283-CAL7	D004791.D	07/17/25 16:22
Initial Cal Check	TG50283-ICV1	D004792.D	07/17/25 16:40

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

NJDEP EPH Rev 3.0

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Project:	Tom Olivieri Park
Sequence:	TH50212	Instrument:	GCFID-D
		Calibration:	TG50018

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	TH50212-CCV1	D005689.D	08/13/25 14:03
LCS	T25H268-BS1	D005690.D	08/13/25 14:40
LCS Dup	T25H268-BSD1	D005691.D	08/13/25 14:58
Blank	T25H268-BLK1	D005692.D	08/13/25 15:17
S-1	T5H0412-01	D005713.D	08/14/25 09:29
Duplicate	T25H268-DUP1	D005714.D	08/14/25 09:47
Matrix Spike	T25H268-MS1	D005715.D	08/14/25 10:05
Calibration Check	TH50212-CCV2	D005716.D	08/14/25 10:24

FORM VI INITIAL CALIBRATION DATA

NJDEP EPH Rev 3.0

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Project:	Tom Olivieri Park
Calibration:	TG50018	Instrument:	GCFID-D
		Calibration Date:	07/17/25 00:00

Response Factor Report GCFID-D

Method Path : L:\GC\GCFID-D\Methods\
Method File : DALI0717.M
Title : NJDEP EPH Rev 3 by GCFID
Last Update : Fri Jul 18 17:10:40 2025
Response Via : Initial Calibration

Calibration Files
5 =D004791.D 20 =D004788.D 50 =D004789.D
75 =D004790.D 100 =D004787.D 150 =D004786.D

		Compound	5	20	50	75	100	150	Avg	%RSD
1)		n-Nonane (C9)	3.143	4.587	4.306	4.751	5.075	5.339	4.552 E4	15.52
2)		n-Decane (C10)	3.581	4.348	4.297	4.606	5.033	5.384	4.533 E4	12.67
3)	S	Naphthalene	4.317	5.258	5.128	5.345	5.670	6.082	5.291 E4	10.21
4)		n-Dodecane (C12)	5.143	5.447	4.934	5.107	5.390	5.812	5.233 E4	6.56
5)	S	2-Methylnapht...	4.491	5.304	4.982	5.148	5.468	5.763	5.137 E4	8.26
6)		n-Tetradecane...	4.634	5.488	4.917	5.145	5.449	5.892	5.187 E4	8.62
7)		n-Hexadecane ...	5.862	5.579	5.188	5.408	5.529	6.037	5.497 E4	7.14
8)		n-Octadecane ...	5.372	5.623	5.143	5.499	5.639	6.046	5.456 E4	6.94
9)	S	o-Terphenyl	9.243	7.129	6.136	6.320	6.455	6.813	6.817 E4	17.21
10)		n-Eicosane (C20)	6.373	6.062	5.258	5.646	5.741	6.045	5.713 E4	9.04
11)	S	1-Chlorooctad...	7.127	5.710	4.803	5.111	5.205	5.438	5.399 E4	16.15
12)		n-Heneicosane...	6.977	6.242	5.270	5.640	5.748	5.978	5.813 E4	11.86
13)		n-Docosane (C22)	6.318	6.021	5.096	5.503	5.640	5.822	5.593 E4	9.58
14)		n-Tetracosane...	6.390	5.866	4.872	5.212	5.461	5.551	5.427 E4	10.94
15)		n-Hexacosane ...	5.995	5.424	4.499	4.918	5.214	5.252	5.115 E4	10.39
16)		n-Octacosane ...	5.818	5.096	4.140	4.574	4.989	4.944	4.841 E4	11.57
17)		n-Triacontane...	5.513	4.873	3.901	4.337	4.781	4.786	4.633 E4	11.33
18)		n-Dotriaconta...	5.256	4.545	3.634	4.100	4.619	4.591	4.417 E4	11.56
19)		n-Tetratriaco...	4.762	4.383	3.483	3.879	4.508	4.467	4.222 E4	10.36
20)		n-Hexatriacon...	4.096	4.077	3.289	3.644	4.281	4.205	3.921 E4	8.99
21)		n-Octatriacon...	4.256	3.986	3.270	3.626	4.283	4.176	3.944 E4	9.42
22)		n-Tetracontan...	3.957	3.940	3.365	3.616	4.382	4.209	3.897 E4	8.81
23)	H	C9-C12 Aliphatic	3.955	4.794	4.512	4.821	5.166	5.512	4.773 E4	10.32
24)	H	C12-C16 Aliph...	5.248	5.534	5.052	5.277	5.489	5.964	5.342 E4	6.87
25)	H	C16-C21 Aliph...	6.241	5.976	5.224	5.595	5.710	6.023	5.661 E4	8.57
26)	H	C21-C40 Aliph...	5.236	4.821	3.955	4.341	4.816	4.800	4.601 E4	9.53
27)	H	C9-C28 EPH	5.467	5.482	4.827	5.167	5.409	5.675	5.247 E4	6.95
28)	H	C9-C40 EPH	5.191	5.088	4.381	4.734	5.098	5.252	4.888 E4	7.28
29)	S	2-Fluorobiphenyl	3.911	4.893	4.594	4.752	5.084	5.499	4.763 E4	10.28
30)	S	2-Bromonaphth...	2.652	3.205	2.964	3.123	3.458	3.734	3.186 E4	10.83

(#) = Out of Range ### Number of calibration levels exceeded format ###

Quantitation Report (QT Reviewed)

Data Path : L:\GC\GCFID-D\20250717\
Data File : D004785.D
Signal(s) : FID1A.ch
Acq On : 17 Jul 2025 02:31 pm
Operator : IAP
Sample : SEQ-CAL1
Misc : @200
ALS Vial : 1 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 17 16:45:44 2025
Quant Method : L:\GC\GCFID-D\Methods\DALI0717.M
Quant Title : NJDEP EPH Rev 3 by GCFID
QLast Update : Thu Jul 17 13:41:36 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : RTX-5
Signal Info : 0.32

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
3) S	Naphthalene	3.784	10470441	166.829	ppm	
5) S	2-Methylnaphthalene	4.307	9609341	168.046	ppm	
9) S	o-Terphenyl	6.313	11238155	140.077	ppm	
11) S	1-Chlorooctadecane	6.918	8795969	141.330	ppm	
29) S	2-Fluorobiphenyl	4.593	9214383	146.885	ppm	
30) S	2-Bromonaphthalene	4.987	6326751	137.470	ppm	
	Target Compounds					
1)	n-Nonane (C9)	1.954	9316016	161.340	ppm	
2)	n-Decane (C10)	2.858	8966833	158.554	ppm	
4)	n-Dodecane (C12)	4.005	9597738	159.120	ppm	
6)	n-Tetradecane (C14)	4.834	9565762	148.944	ppm	
7)	n-Hexadecane (C16)	5.534	9746603	148.716	ppm	
8)	n-Octadecane (C18)	6.157	9738706	144.410	ppm	
10)	n-Eicosane (C20)	6.721	9726809	134.232	ppm	
12)	n-Heneicosane (C21)	6.985	9672378	136.420	ppm	
13)	n-Docosane (C22)	7.239	9509073	135.521	ppm	
14)	n-Tetracosane (C24)	7.727	9275651	134.582	ppm	
15)	n-Hexacosane (C26)	8.192	9000015	136.089	ppm	
16)	n-Octacosane (C28)	8.643	8650342	132.575	ppm	
17)	n-Triacontane (C30)	9.081	8485436	131.411	ppm	m
18)	n-Dotriacontane (C32)	9.511	8344301	131.715	ppm	
19)	n-Tetratriacontane (C34)	9.933f	8140903	136.015	ppm	m
20)	n-Hexatriacontane (C36)	10.346	7712326	137.331	ppm	m
21)	n-Octatriacontane (C38)	10.773	8020485	143.626	ppm	m
22)	n-Tetracontane (C40)	11.301	7628573	139.045	ppm	m

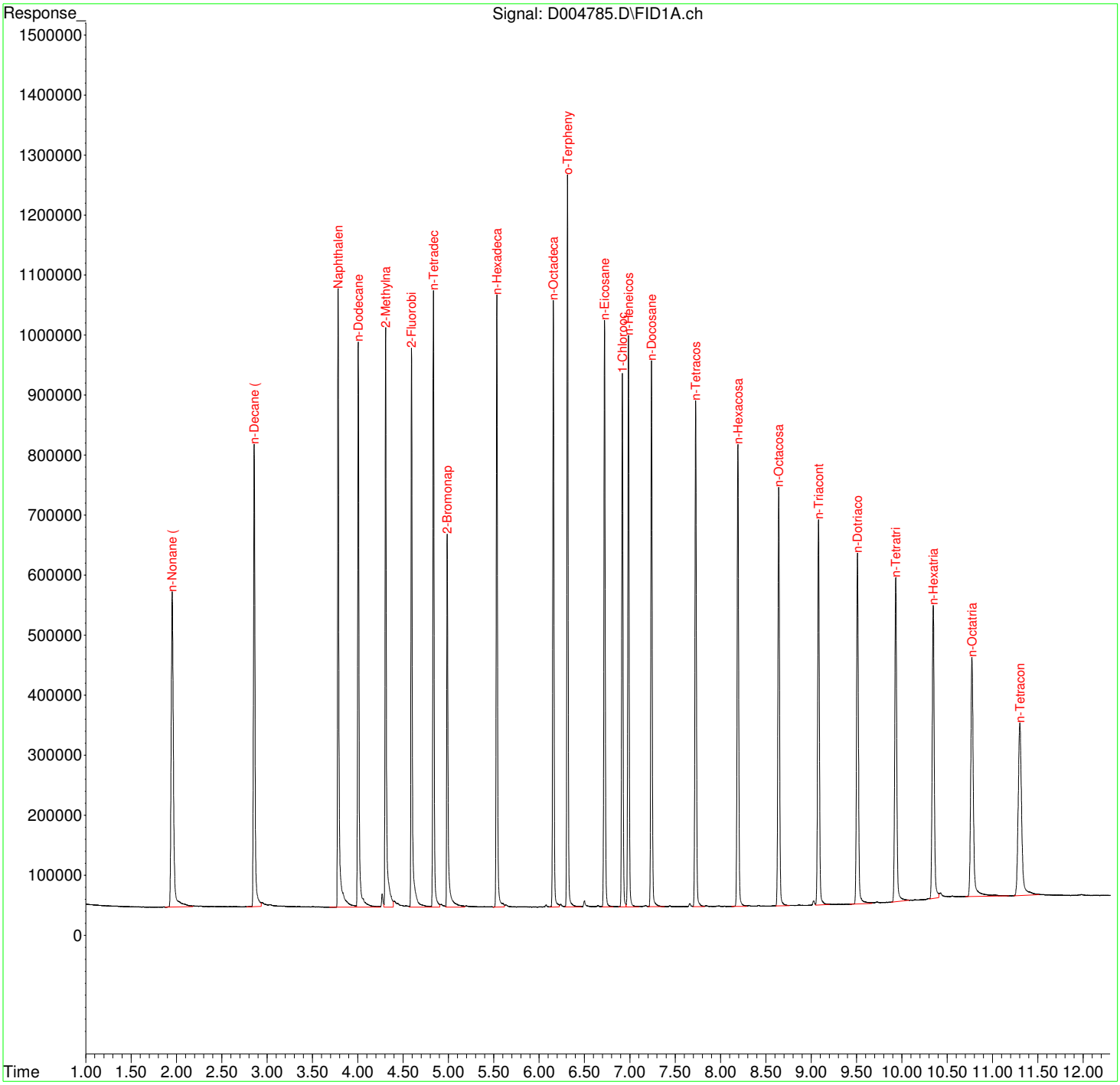
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : L:\GC\GCFID-D\20250717\
Data File : D004785.D
Signal(s) : FID1A.ch
Acq On : 17 Jul 2025 02:31 pm
Operator : IAP
Sample : SEQ-CAL1
Misc : @200
ALS Vial : 1 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 17 16:45:44 2025
Quant Method : L:\GC\GCFID-D\Methods\DALI0717.M
Quant Title : NJDEP EPH Rev 3 by GCFID
QLast Update : Thu Jul 17 13:41:36 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : RTX-5
Signal Info : 0.32



Quantitation Report (QT Reviewed)

Data Path : L:\GC\GCFID-D\20250717\
Data File : D004786.D
Signal(s) : FID1A.ch
Acq On : 17 Jul 2025 02:50 pm
Operator : IAP
Sample : SEQ-CAL2
Misc : @150
ALS Vial : 2 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 17 16:45:33 2025
Quant Method : L:\GC\GCFID-D\Methods\DALI0717.M
Quant Title : NJDEP EPH Rev 3 by GCFID
QLast Update : Thu Jul 17 13:41:36 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : RTX-5
Signal Info : 0.32

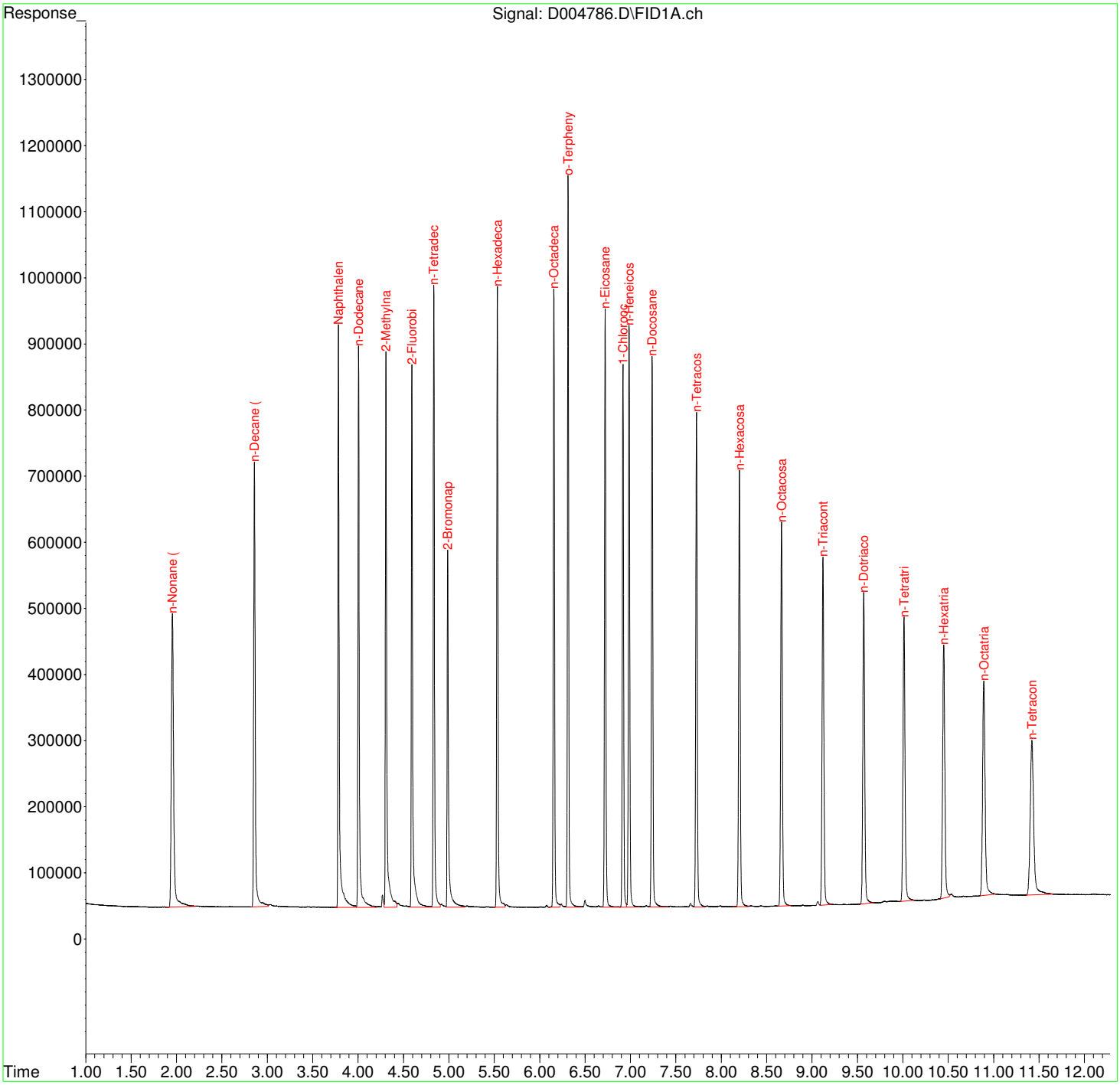
	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
3) S	Naphthalene	3.784	9122296	145.349	ppm	
5) S	2-Methylnaphthalene	4.307	8644315	151.170	ppm	
9) S	o-Terphenyl	6.313	10219732	127.383	ppm	
11) S	1-Chlorooctadecane	6.918	8157287	131.067	ppm	
29) S	2-Fluorobiphenyl	4.592	8248869	131.494	ppm	
30) S	2-Bromonaphthalene	4.987	5601461	121.711	ppm	
	Target Compounds					
1)	n-Nonane (C9)	1.955	8009168	138.708	ppm	
2)	n-Decane (C10)	2.858	8075366	142.791	ppm	
4)	n-Dodecane (C12)	4.005	8718063	144.536	ppm	
6)	n-Tetradecane (C14)	4.834	8838119	137.614	ppm	
7)	n-Hexadecane (C16)	5.534	9055229	138.167	ppm	
8)	n-Octadecane (C18)	6.157	9069423	134.485	ppm	
10)	n-Eicosane (C20)	6.721	9066918	125.126	ppm	
12)	n-Heneicosane (C21)	6.985	8967350	126.477	ppm	
13)	n-Docosane (C22)	7.239	8732918	124.459	ppm	
14)	n-Tetracosane (C24)	7.728	8326286	120.807	ppm	
15)	n-Hexacosane (C26)	8.201	7878199	119.126	ppm	
16)	n-Octacosane (C28)	8.664	7415685	113.653	ppm	m
17)	n-Triacontane (C30)	9.121f	7178361	111.169	ppm	m
18)	n-Dotriacontane (C32)	9.570f	6885819	108.693	ppm	m
19)	n-Tetratriacontane (C34)	10.014f	6700558	111.950	ppm	m
20)	n-Hexatriacontane (C36)	10.450	6307611	112.318	ppm	m
21)	n-Octatriacontane (C38)	10.892	6263995	112.172	ppm	m
22)	n-Tetracontane (C40)	11.421	6312951	115.065	ppm	m

(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : L:\GC\GCFID-D\20250717\
Data File : D004786.D
Signal(s) : FID1A.ch
Acq On : 17 Jul 2025 02:50 pm
Operator : IAP
Sample : SEQ-CAL2
Misc : @150
ALS Vial : 2 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 17 16:45:33 2025
Quant Method : L:\GC\GCFID-D\Methods\DALI0717.M
Quant Title : NJDEP EPH Rev 3 by GCFID
QLast Update : Thu Jul 17 13:41:36 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : RTX-5
Signal Info : 0.32



Quantitation Report (QT Reviewed)

Data Path : L:\GC\GCFID-D\20250717\
Data File : D004787.D
Signal(s) : FID1A.ch
Acq On : 17 Jul 2025 03:08 pm
Operator : IAP
Sample : SEQ-CAL3
Misc : @100
ALS Vial : 3 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 17 16:45:21 2025
Quant Method : L:\GC\GCFID-D\Methods\DALI0717.M
Quant Title : NJDEP EPH Rev 3 by GCFID
QLast Update : Thu Jul 17 13:41:36 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : RTX-5
Signal Info : 0.32

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
3) S	Naphthalene	3.785	5669998	90.342	ppm	
5) S	2-Methylnaphthalene	4.308	5468005	95.623	ppm	
9) S	o-Terphenyl	6.313	6454885	80.456	ppm	
11) S	1-Chlorooctadecane	6.917	5204672	83.626	ppm	
29) S	2-Fluorobiphenyl	4.593	5083520	81.035	ppm	
30) S	2-Bromonaphthalene	4.988	3458383	75.145	ppm	
	Target Compounds					
1)	n-Nonane (C9)	1.955	5075419	87.899	ppm	
2)	n-Decane (C10)	2.858	5033120	88.997	ppm	
4)	n-Dodecane (C12)	4.006	5390210	89.364	ppm	
6)	n-Tetradecane (C14)	4.834	5448745	84.840	ppm	
7)	n-Hexadecane (C16)	5.533	5529332	84.368	ppm	
8)	n-Octadecane (C18)	6.157	5639146	83.620	ppm	
10)	n-Eicosane (C20)	6.721	5740972	79.227	ppm	
12)	n-Heneicosane (C21)	6.985	5748485	81.077	ppm	
13)	n-Docosane (C22)	7.239	5639580	80.374	ppm	
14)	n-Tetracosane (C24)	7.728	5460584	79.228	ppm	
15)	n-Hexacosane (C26)	8.198	5214004	78.841	ppm	
16)	n-Octacosane (C28)	8.655	4989361	76.467	ppm	
17)	n-Triacontane (C30)	9.099f	4781436	74.049	ppm	m
18)	n-Dotriacontane (C32)	9.532f	4619318	72.916	ppm	m
19)	n-Tetratriacontane (C34)	9.957f	4508021	75.318	ppm	m
20)	n-Hexatriacontane (C36)	10.373	4281162	76.234	ppm	m
21)	n-Octatriacontane (C38)	10.802	4283305	76.703	ppm	m
22)	n-Tetracontane (C40)	11.329	4381713	79.865	ppm	m

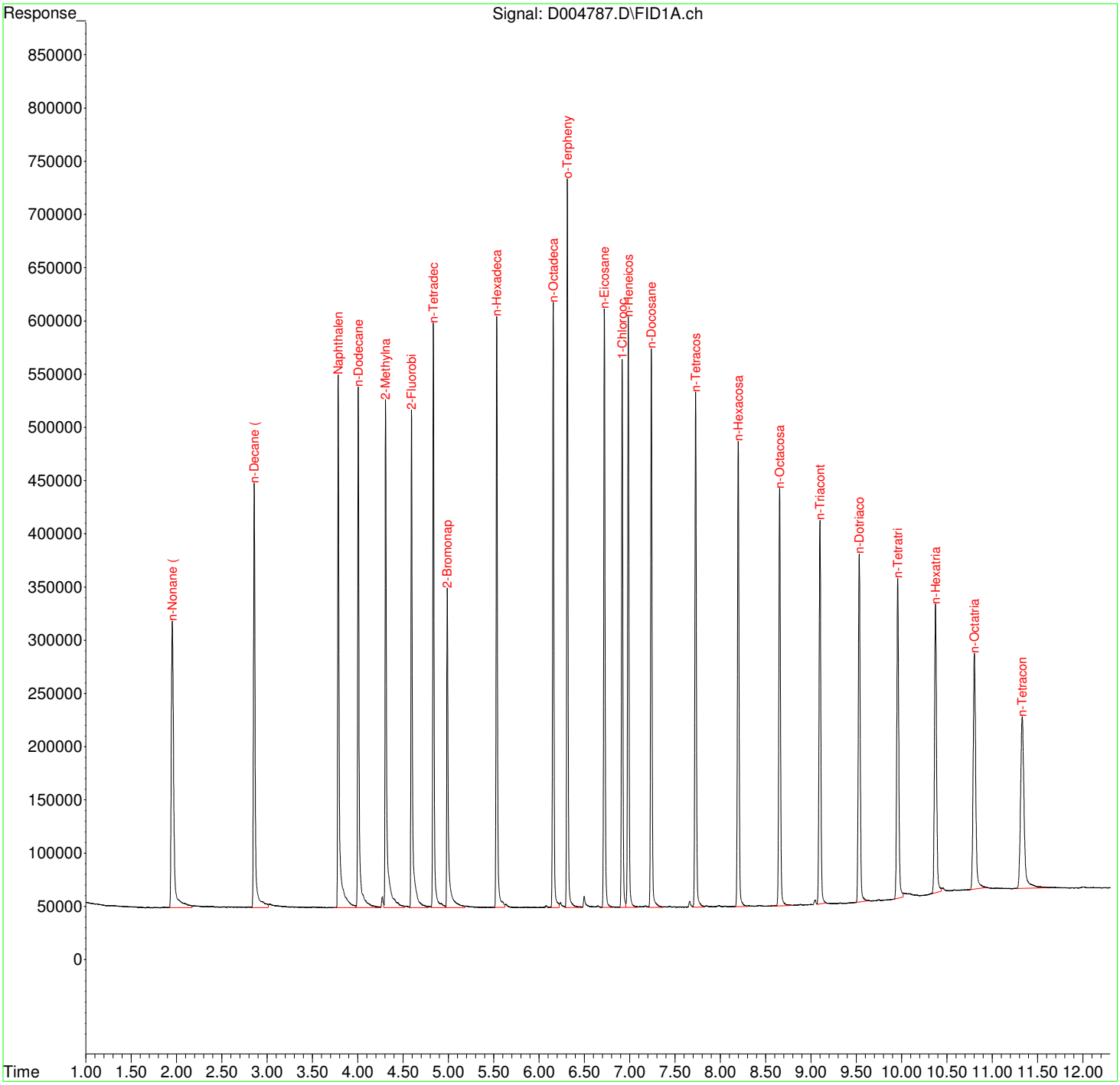
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : L:\GC\GCFID-D\20250717\
Data File : D004787.D
Signal(s) : FID1A.ch
Acq On : 17 Jul 2025 03:08 pm
Operator : IAP
Sample : SEQ-CAL3
Misc : @100
ALS Vial : 3 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 17 16:45:21 2025
Quant Method : L:\GC\GCFID-D\Methods\DALI0717.M
Quant Title : NJDEP EPH Rev 3 by GCFID
QLast Update : Thu Jul 17 13:41:36 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : RTX-5
Signal Info : 0.32



Quantitation Report (QT Reviewed)

Data Path : L:\GC\GCFID-D\20250717\
Data File : D004790.D
Signal(s) : FID1A.ch
Acq On : 17 Jul 2025 04:03 pm
Operator : IAP
Sample : SEQ-CAL4
Misc : @75
ALS Vial : 6 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 17 16:44:43 2025
Quant Method : L:\GC\GCFID-D\Methods\DALI0717.M
Quant Title : NJDEP EPH Rev 3 by GCFID
QLast Update : Thu Jul 17 13:41:36 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : RTX-5
Signal Info : 0.32

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
3) S	Naphthalene	3.785	4008376	63.867	ppm	
5) S	2-Methylnaphthalene	4.308	3860734	67.516	ppm	
9) S	o-Terphenyl	6.313	4740135	59.083	ppm	
11) S	1-Chlorooctadecane	6.917	3833511	61.595	ppm	
29) S	2-Fluorobiphenyl	4.594	3564257	56.817	ppm	
30) S	2-Bromonaphthalene	4.989	2342061	50.889	ppm	
	Target Compounds					
1)	n-Nonane (C9)	1.956	3563425	61.714	ppm	
2)	n-Decane (C10)	2.859	3454553	61.084	ppm	
4)	n-Dodecane (C12)	4.006	3830352	63.503	ppm	
6)	n-Tetradecane (C14)	4.835	3859107	60.088	ppm	
7)	n-Hexadecane (C16)	5.534	4055881	61.886	ppm	
8)	n-Octadecane (C18)	6.157	4123950	61.152	ppm	
10)	n-Eicosane (C20)	6.721	4234630	58.439	ppm	
12)	n-Heneicosane (C21)	6.984	4229850	59.658	ppm	
13)	n-Docosane (C22)	7.238	4127371	58.822	ppm	
14)	n-Tetracosane (C24)	7.726	3909223	56.719	ppm	
15)	n-Hexacosane (C26)	8.193	3688540	55.774	ppm	
16)	n-Octacosane (C28)	8.647	3430219	52.572	ppm	
17)	n-Triacontane (C30)	9.090	3252458	50.370	ppm	m
18)	n-Dotriacontane (C32)	9.524f	3074806	48.536	ppm	m
19)	n-Tetratriacontane (C34)	9.949f	2908986	48.602	ppm	m
20)	n-Hexatriacontane (C36)	10.366	2732838	48.663	ppm	m
21)	n-Octatriacontane (C38)	10.795	2719786	48.704	ppm	m
22)	n-Tetracontane (C40)	11.323	2711894	49.429	ppm	m

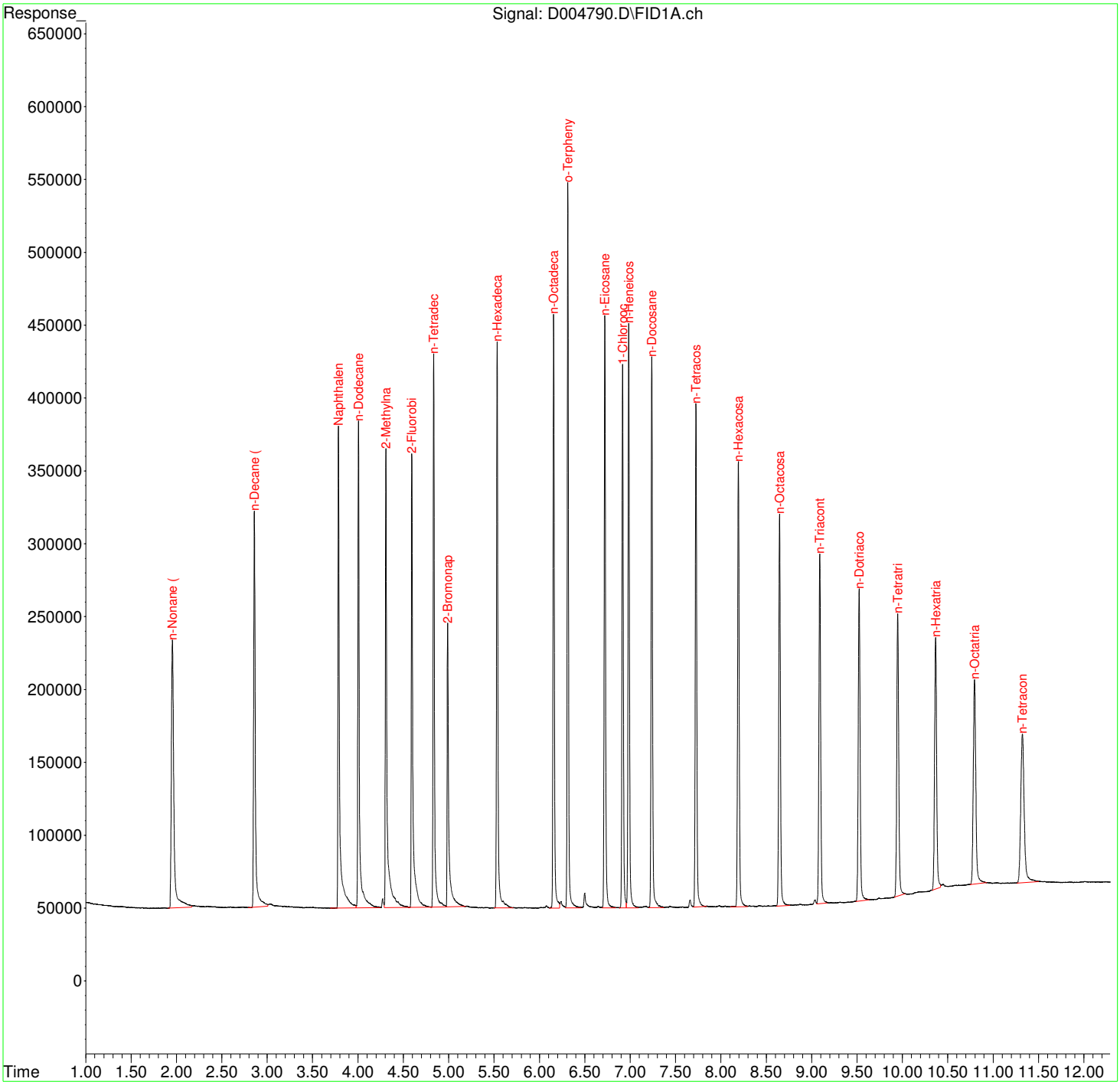
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : L:\GC\GCFID-D\20250717\
Data File : D004790.D
Signal(s) : FID1A.ch
Acq On : 17 Jul 2025 04:03 pm
Operator : IAP
Sample : SEQ-CAL4
Misc : @75
ALS Vial : 6 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 17 16:44:43 2025
Quant Method : L:\GC\GCFID-D\Methods\DALI0717.M
Quant Title : NJDEP EPH Rev 3 by GCFID
QLast Update : Thu Jul 17 13:41:36 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : RTX-5
Signal Info : 0.32



Quantitation Report (QT Reviewed)

Data Path : L:\GC\GCFID-D\20250717\
Data File : D004789.D
Signal(s) : FID1A.ch
Acq On : 17 Jul 2025 03:45 pm
Operator : IAP
Sample : SEQ-CAL5
Misc : @50
ALS Vial : 5 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 17 16:44:59 2025
Quant Method : L:\GC\GCFID-D\Methods\DALI0717.M
Quant Title : NJDEP EPH Rev 3 by GCFID
QLast Update : Thu Jul 17 13:41:36 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : RTX-5
Signal Info : 0.32

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
3) S	Naphthalene	3.786	2564042	40.854	ppm	
5) S	2-Methylnaphthalene	4.309	2491030	43.563	ppm	
9) S	o-Terphenyl	6.312	3067944	38.240	ppm	
11) S	1-Chlorooctadecane	6.920	2401356	38.584	ppm	
29) S	2-Fluorobiphenyl	4.595	2297154	36.618	ppm	
30) S	2-Bromonaphthalene	4.990	1481828	32.198	ppm	
	Target Compounds					
1)	n-Nonane (C9)	1.955	2153125	37.289	ppm	
2)	n-Decane (C10)	2.858	2148450	37.989	ppm	
4)	n-Dodecane (C12)	4.006	2467102	40.902	ppm	
6)	n-Tetradecane (C14)	4.835	2458449	38.279	ppm	
7)	n-Hexadecane (C16)	5.534	2593912	39.579	ppm	
8)	n-Octadecane (C18)	6.156	2571447	38.131	ppm	
10)	n-Eicosane (C20)	6.722	2629180	36.283	ppm	
12)	n-Heneicosane (C21)	6.988	2634815	37.162	ppm	
13)	n-Docosane (C22)	7.247	2547760	36.310	ppm	
14)	n-Tetracosane (C24)	7.750	2435889	35.343	ppm	
15)	n-Hexacosane (C26)	8.237f	2249731	34.018	ppm	
16)	n-Octacosane (C28)	8.712f	2070089	31.726	ppm	
17)	n-Triacontane (C30)	9.177f	1950527	30.207	ppm	m
18)	n-Dotriacontane (C32)	9.634f	1817179	28.684	ppm	m
19)	n-Tetratriacontane (C34)	10.082f	1741356	29.094	ppm	m
20)	n-Hexatriacontane (C36)	10.522	1644299	29.280	ppm	m
21)	n-Octatriacontane (C38)	10.965f	1634991	29.278	ppm	m
22)	n-Tetracontane (C40)	11.496f	1682361	30.664	ppm	m

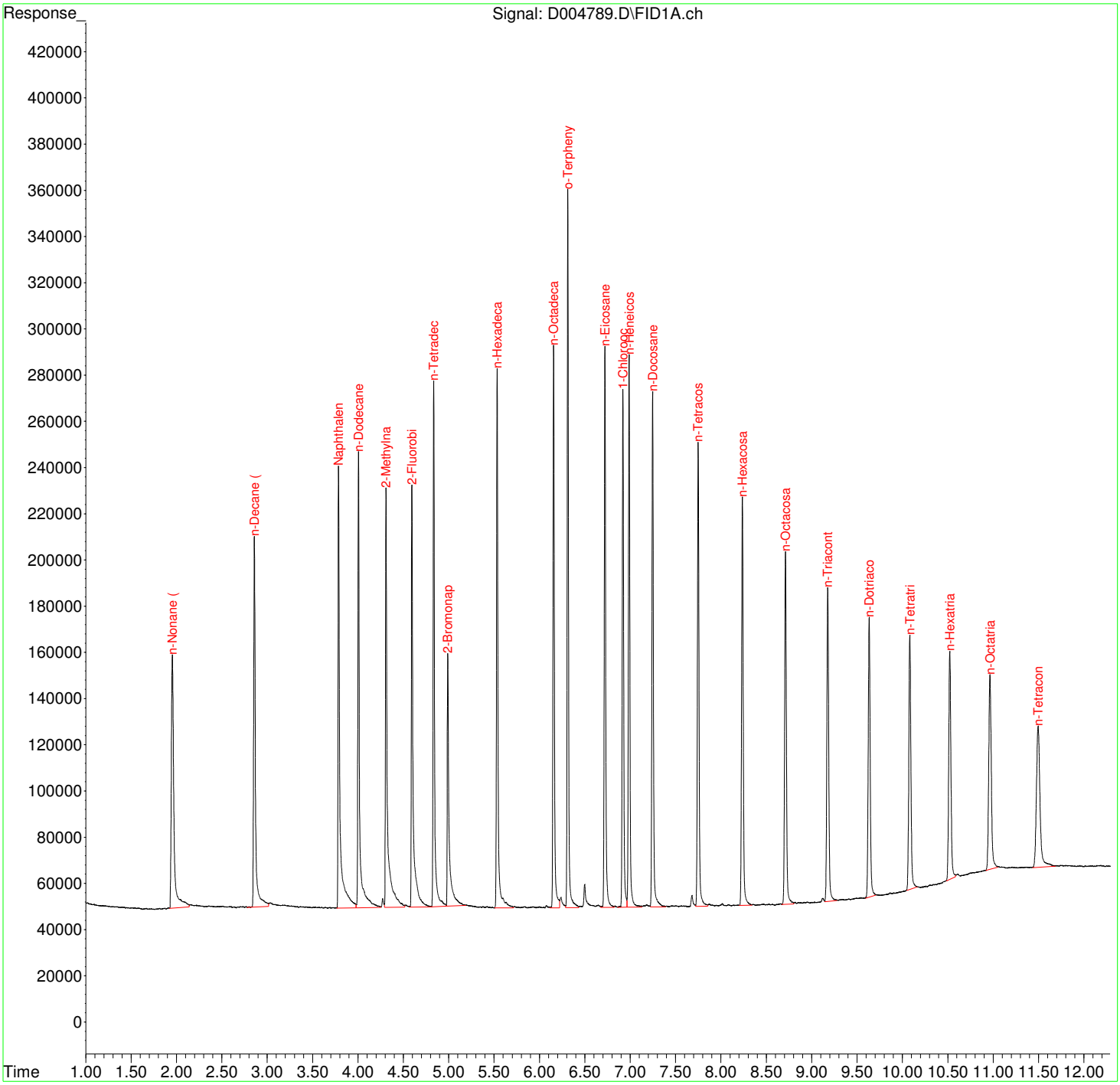
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : L:\GC\GCFID-D\20250717\
Data File : D004789.D
Signal(s) : FID1A.ch
Acq On : 17 Jul 2025 03:45 pm
Operator : IAP
Sample : SEQ-CAL5
Misc : @50
ALS Vial : 5 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 17 16:44:59 2025
Quant Method : L:\GC\GCFID-D\Methods\DALI0717.M
Quant Title : NJDEP EPH Rev 3 by GCFID
QLast Update : Thu Jul 17 13:41:36 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : RTX-5
Signal Info : 0.32



Quantitation Report (QT Reviewed)

Data Path : L:\GC\GCFID-D\20250717\
Data File : D004788.D
Signal(s) : FID1A.ch
Acq On : 17 Jul 2025 03:26 pm
Operator : IAP
Sample : SEQ-CAL6
Misc : @20
ALS Vial : 4 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 17 16:45:08 2025
Quant Method : L:\GC\GCFID-D\Methods\DALI0717.M
Quant Title : NJDEP EPH Rev 3 by GCFID
QLast Update : Thu Jul 17 13:41:36 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : RTX-5
Signal Info : 0.32

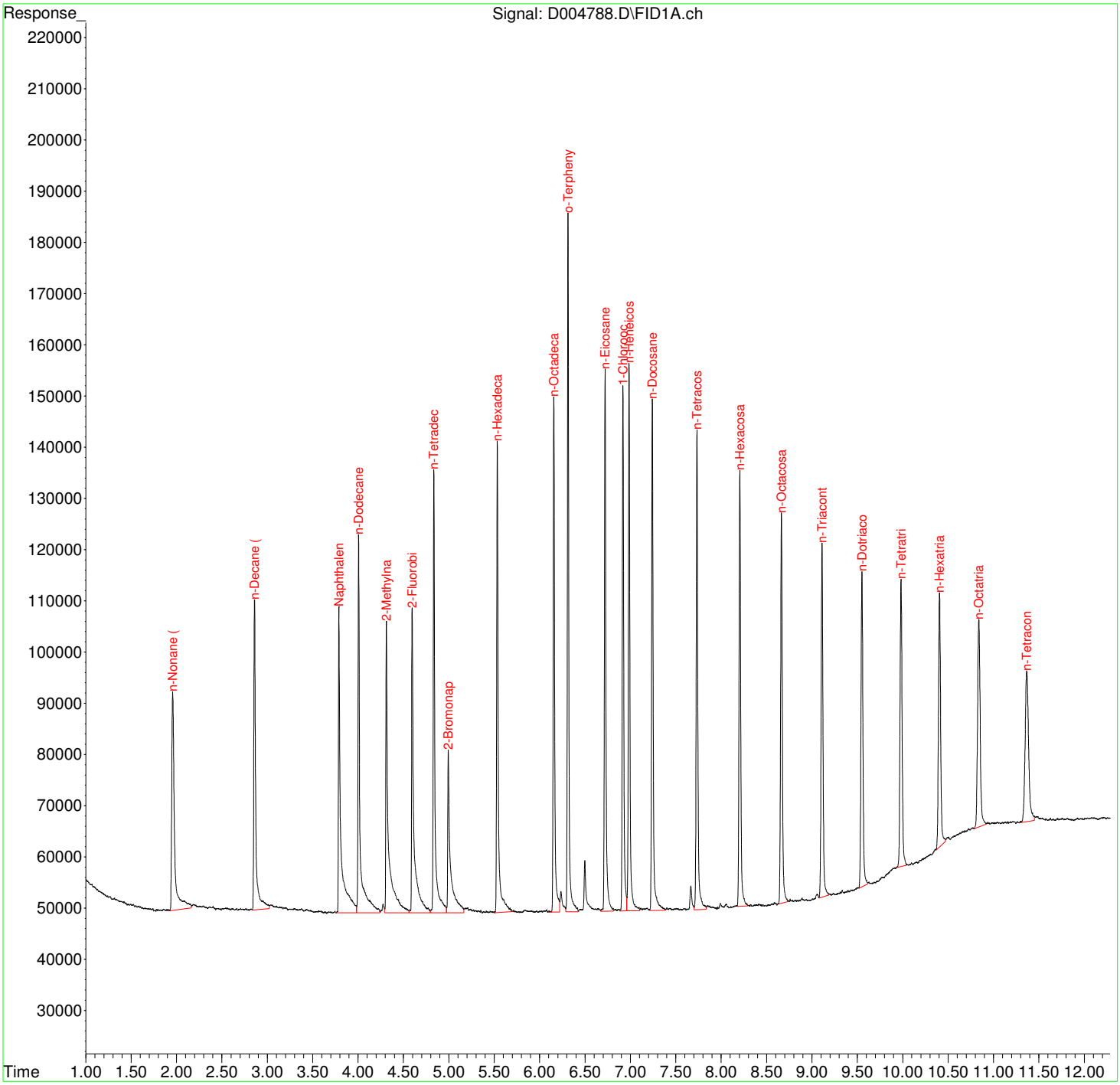
	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
3) S	Naphthalene	3.789	1051607	16.756	ppm	
5) S	2-Methylnaphthalene	4.312	1060871	18.552	ppm	
9) S	o-Terphenyl	6.313	1425809	17.772	ppm	
11) S	1-Chlorooctadecane	6.918	1142084	18.350	ppm	
29) S	2-Fluorobiphenyl	4.597	978521	15.598	ppm	
30) S	2-Bromonaphthalene	4.994	640912	13.926	ppm	
	Target Compounds					
1)	n-Nonane (C9)	1.958	917473	15.889	ppm	
2)	n-Decane (C10)	2.860	869506	15.375	ppm	
4)	n-Dodecane (C12)	4.006	1089313	18.060	ppm	
6)	n-Tetradecane (C14)	4.835	1097637	17.091	ppm	
7)	n-Hexadecane (C16)	5.534	1115811	17.025	ppm	
8)	n-Octadecane (C18)	6.157	1124653	16.677	ppm	
10)	n-Eicosane (C20)	6.722	1212374	16.731	ppm	
12)	n-Heneicosane (C21)	6.986	1248410	17.608	ppm	
13)	n-Docosane (C22)	7.242	1204224	17.162	ppm	
14)	n-Tetracosane (C24)	7.734	1173118	17.021	ppm	
15)	n-Hexacosane (C26)	8.206	1084702	16.402	ppm	m
16)	n-Octacosane (C28)	8.664	1019133	15.619	ppm	m
17)	n-Triacontane (C30)	9.111f	974650	15.094	ppm	m
18)	n-Dotriacontane (C32)	9.551f	908946	14.348	ppm	m
19)	n-Tetratriacontane (C34)	9.982f	876555	14.645	ppm	m
20)	n-Hexatriacontane (C36)	10.405	815437	14.520	ppm	m
21)	n-Octatriacontane (C38)	10.838	797161	14.275	ppm	m
22)	n-Tetracontane (C40)	11.365	787909	14.361	ppm	m

(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : L:\GC\GCFID-D\20250717\
Data File : D004788.D
Signal(s) : FID1A.ch
Acq On : 17 Jul 2025 03:26 pm
Operator : IAP
Sample : SEQ-CAL6
Misc : @20
ALS Vial : 4 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 17 16:45:08 2025
Quant Method : L:\GC\GCFID-D\Methods\DALI0717.M
Quant Title : NJDEP EPH Rev 3 by GCFID
QLast Update : Thu Jul 17 13:41:36 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : RTX-5
Signal Info : 0.32



Quantitation Report (QT Reviewed)

Data Path : L:\GC\GCFID-D\20250717\
Data File : D004791.D
Signal(s) : FID1A.ch
Acq On : 17 Jul 2025 04:22 pm
Operator : IAP
Sample : SEQ-CAL7
Misc : @5
ALS Vial : 7 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 17 16:44:33 2025
Quant Method : L:\GC\GCFID-D\Methods\DALI0717.M
Quant Title : NJDEP EPH Rev 3 by GCFID
QLast Update : Thu Jul 17 13:41:36 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : RTX-5
Signal Info : 0.32

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
3) S	Naphthalene	3.798	215860	3.439	ppm	
5) S	2-Methylnaphthalene	4.318	224551	3.927	ppm	m
9) S	o-Terphenyl	6.314	462171	5.761	ppm	
11) S	1-Chlorooctadecane	6.918	356366	5.726	ppm	
29) S	2-Fluorobiphenyl	4.603	195568	3.118	ppm	
30) S	2-Bromonaphthalene	5.007	132580	2.881	ppm	m
	Target Compounds					
1)	n-Nonane (C9)	1.962	157141	2.721	ppm	
2)	n-Decane (C10)	2.862	179034	3.166	ppm	
4)	n-Dodecane (C12)	4.008	257130	4.263	ppm	
6)	n-Tetradecane (C14)	4.836	231697	3.608	ppm	
7)	n-Hexadecane (C16)	5.535	293105	4.472	ppm	
8)	n-Octadecane (C18)	6.158	268589	3.983	ppm	
10)	n-Eicosane (C20)	6.722	318645	4.397	ppm	
12)	n-Heneicosane (C21)	6.986	348868	4.920	ppm	
13)	n-Docosane (C22)	7.241	315918	4.502	ppm	
14)	n-Tetracosane (C24)	7.732	319508	4.636	ppm	
15)	n-Hexacosane (C26)	8.204	299726	4.532	ppm	
16)	n-Octacosane (C28)	8.663	290911	4.459	ppm	
17)	n-Triacontane (C30)	9.110f	275626	4.269	ppm	
18)	n-Dotriacontane (C32)	9.548f	262795	4.148	ppm	m
19)	n-Tetratriacontane (C34)	9.979f	238106	3.978	ppm	m
20)	n-Hexatriacontane (C36)	10.402	204776	3.646	ppm	m
21)	n-Octatriacontane (C38)	10.833	212779	3.810	ppm	m
22)	n-Tetracontane (C40)	11.362	197826	3.606	ppm	m

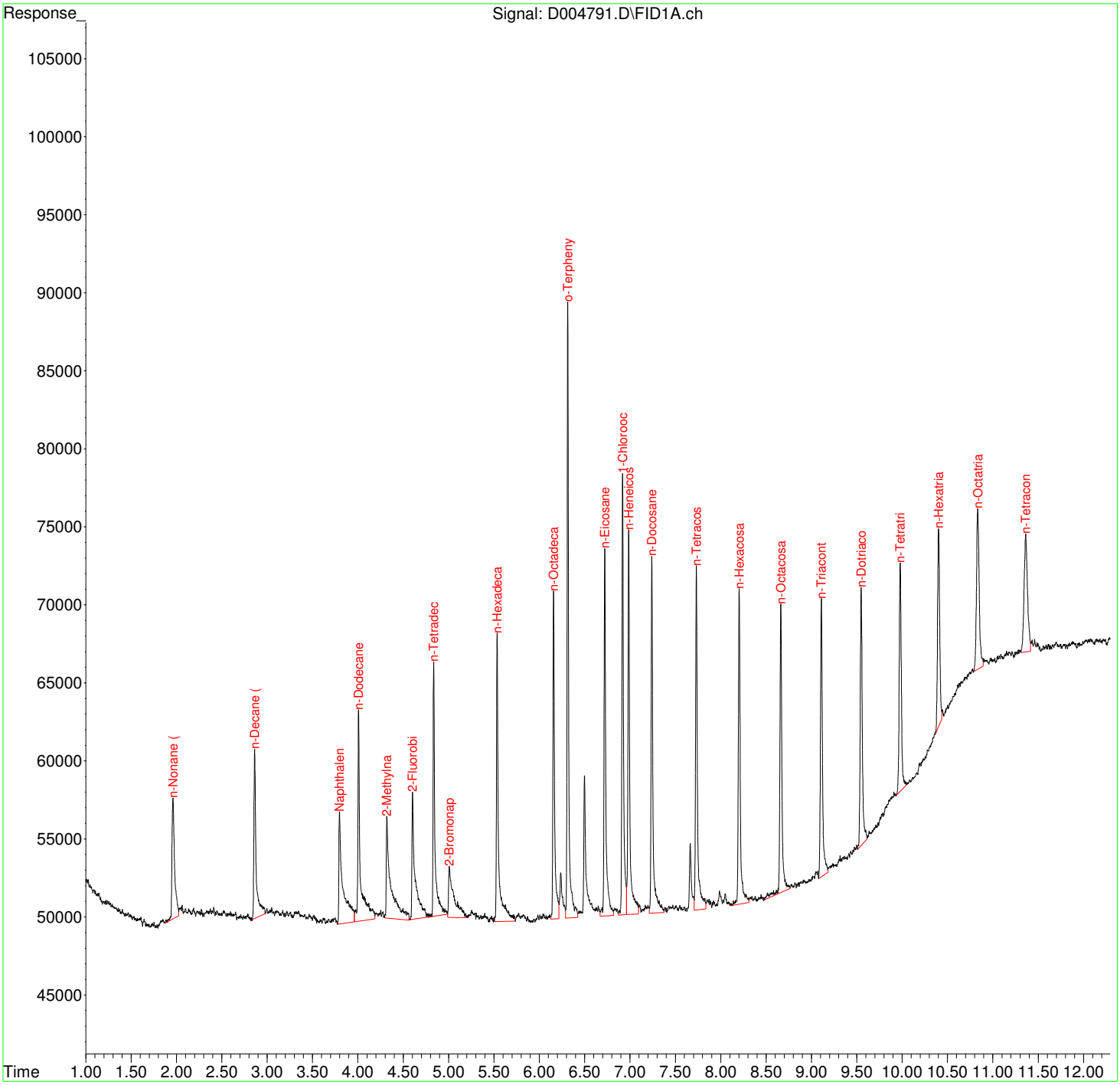
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : L:\GC\GCFID-D\20250717\
Data File : D004791.D
Signal(s) : FID1A.ch
Acq On : 17 Jul 2025 04:22 pm
Operator : IAP
Sample : SEQ-CAL7
Misc : @5
ALS Vial : 7 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 17 16:44:33 2025
Quant Method : L:\GC\GCFID-D\Methods\DALI0717.M
Quant Title : NJDEP EPH Rev 3 by GCFID
QLast Update : Thu Jul 17 13:41:36 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : RTX-5
Signal Info : 0.32



FORM VII CONTINUING CALIBRATION CHECK

NJDEP EPH Rev 3.0

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Project:	Tom Olivieri Park
Instrument ID:	GCFID-D	Calibration:	TG50018
Lab File ID:	D005689.D	Calibration Date:	07/17/25 00:00
Sequence:	TH50212	Injection Date:	08/13/25
Lab Sample ID:	TH50212-CCV1	Injection Time:	14:03

Compound	TRUE Value (ug/mL)	Actual Value (ug/mL)	% Recovery	Lower Limit (%)	Upper Limit (%)	Recovery Flag
C9 to C28 Hydrocarbons (EC Range)	600	705	117	75	125	
C9 to C28 Hydrocarbons (Sum of Components)	600	534	88.9	75	125	
n-Decane (C10)	50.0	37.5	74.9	70	130	
n-Docosane (C22)	50.0	44.4	88.8	70	130	
n-Dodecane (C12)	50.0	44.8	89.5	70	130	
n-Eicosane (C20)	50.0	46.4	92.8	70	130	
n-Heneicosane (C21)	50.0	44.8	89.5	70	130	
n-Hexacosane (C26)	50.0	46.6	93.3	70	130	
n-Hexadecane (C16)	50.0	46.5	93.0	70	130	
n-Nonane (C9)	50.0	31.2	62.4	70	130	OUT-L
n-Octacosane (C28)	50.0	48.3	96.6	70	130	
n-Octadecane (C18)	50.0	47.3	94.6	70	130	
n-Tetracosane (C24)	50.0	48.2	96.3	70	130	
n-Tetradecane (C14)	50.0	47.8	95.5	70	130	

Qual **Definitions**

OUT-L This compound failed outside of acceptance criteria biased low.

FORM VII CONTINUING CALIBRATION CHECK

NJDEP EPH Rev 3.0

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Project:	Tom Olivieri Park
Instrument ID:	GCFID-D	Calibration:	TG50018
Lab File ID:	D005716.D	Calibration Date:	07/17/25 00:00
Sequence:	TH50212	Injection Date:	08/14/25
Lab Sample ID:	TH50212-CCV2	Injection Time:	10:24

Compound	TRUE Value (ug/mL)	Actual Value (ug/mL)	% Recovery	Lower Limit (%)	Upper Limit (%)	Recovery Flag
C9 to C28 Hydrocarbons (EC Range)	600	685	114	75	125	
C9 to C28 Hydrocarbons (Sum of Components)	600	513	85.5	75	125	
n-Decane (C10)	50.0	38.2	76.5	70	130	
n-Docosane (C22)	50.0	41.1	82.1	70	130	
n-Dodecane (C12)	50.0	45.9	91.8	70	130	
n-Eicosane (C20)	50.0	43.2	86.5	70	130	
n-Heneicosane (C21)	50.0	42.3	84.5	70	130	
n-Hexacosane (C26)	50.0	46.3	92.5	70	130	
n-Hexadecane (C16)	50.0	42.2	84.5	70	130	
n-Nonane (C9)	50.0	35.0	70.1	70	130	
n-Octacosane (C28)	50.0	44.9	89.7	70	130	
n-Octadecane (C18)	50.0	43.6	87.3	70	130	
n-Tetracosane (C24)	50.0	44.3	88.5	70	130	
n-Tetradecane (C14)	50.0	45.9	91.9	70	130	

Quantitation Report (QT Reviewed)

Data Path : L:\GC\GCFID-D\20250813\
Data File : D005689.D
Signal(s) : FID1A.ch
Acq On : 13 Aug 2025 02:03 pm
Operator : IAP
Sample : SEQ-CCV1
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: events.e
Quant Time: Aug 13 14:36:08 2025
Quant Method : L:\GC\GCFID-D\Methods\DALI0717.M
Quant Title : NJDEP EPH Rev 3 by GCFID
QLast Update : Fri Jul 18 17:10:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : RTX-5
Signal Info : 0.32

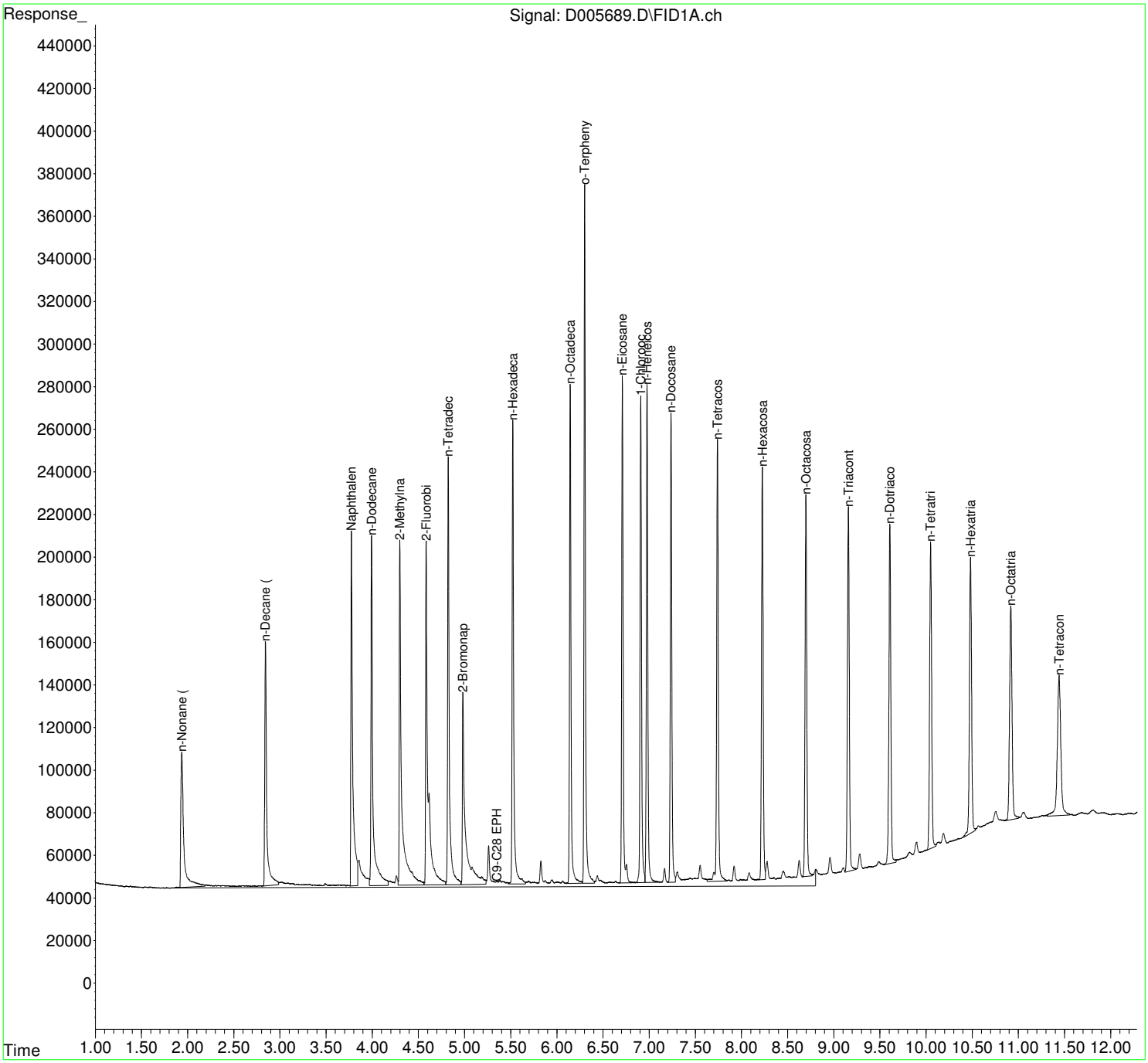
	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
3) S	Naphthalene	3.774	2278226	43.061	ppm	
5) S	2-Methylnaphthalene	4.298	2819470	54.883	ppm	
9) S	o-Terphenyl	6.301	3453344	50.661	ppm	
11) S	1-Chlorooctadecane	6.909	2562429	47.462	ppm	
29) S	2-Fluorobiphenyl	4.584	2807690	58.949	ppm	
30) S	2-Bromonaphthalene	4.984	2009750	63.090	ppm	
	Target Compounds					
1)	n-Nonane (C9)	1.936	1421185	31.225	ppm	
2)	n-Decane (C10)	2.843	1698680	37.473	ppm	
4)	n-Dodecane (C12)	3.993	2342191	44.757	ppm	
6)	n-Tetradecane (C14)	4.823	2477798	47.770	ppm	
7)	n-Hexadecane (C16)	5.523	2555310	46.489	ppm	
8)	n-Octadecane (C18)	6.145	2580008	47.288	ppm	
10)	n-Eicosane (C20)	6.710	2650822	46.403	ppm	
12)	n-Heneicosane (C21)	6.977	2601326	44.749	ppm	
13)	n-Docosane (C22)	7.237	2482376	44.380	ppm	
14)	n-Tetracosane (C24)	7.740	2613605	48.159	ppm	
15)	n-Hexacosane (C26)	8.226	2385611	46.644	ppm	
16)	n-Octacosane (C28)	8.699	2337367	48.284	ppm	
17)	n-Triacontane (C30)	9.158	2371953	51.193	ppm	m
18)	n-Dotriacontane (C32)	9.608f	2372158	53.709	ppm	
19)	n-Tetratriacontane (C34)	10.049f	2156082	51.072	ppm	m
20)	n-Hexatriacontane (C36)	10.482	2102664	53.625	ppm	m
21)	n-Octatriacontane (C38)	10.918	1856535	47.074	ppm	m
22)	n-Tetracontane (C40)	11.440	1796046	46.084	ppm	m
27) H	C9-C28 EPH	5.350	36964869	704.556	ppm	m

(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : L:\GC\GCFID-D\20250813\
Data File : D005689.D
Signal(s) : FID1A.ch
Acq On : 13 Aug 2025 02:03 pm
Operator : IAP
Sample : SEQ-CCV1
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: events.e
Quant Time: Aug 13 14:36:08 2025
Quant Method : L:\GC\GCFID-D\Methods\DALI0717.M
Quant Title : NJDEP EPH Rev 3 by GCFID
QLast Update : Fri Jul 18 17:10:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : RTX-5
Signal Info : 0.32



SW-846 7471B

Sample Information

Client Sample ID: **S-1** **York Sample ID:** **T5H0412-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
T5H0412	Tom Olivieri Park	Soil	August 11, 2025 10:00 am	08/12/2025

Mercury by Cold-Vapor Atomic Absorption

Sample Prepared by Method: SW-846 7471B

Results Reported to MDL

% Solids: 99.08

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
7439-97-6	**Mercury**	0.324		mg/kg dry	0.0332	0.0157	1	SW-846 7471B	08/15/2025 09:00	08/15/2025 10:57	ARB

Sample Information

Client Sample ID: **S-2** **York Sample ID:** **T5H0412-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
T5H0412	Tom Olivieri Park	Soil	August 11, 2025 10:05 am	08/12/2025

Mercury by Cold-Vapor Atomic Absorption

Sample Prepared by Method: SW-846 7471B

Results Reported to MDL

% Solids: 99.23

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
7439-97-6	**Mercury**	0.287		mg/kg dry	0.0420	0.0199	1	SW-846 7471B	08/15/2025 09:00	08/15/2025 11:01	ARB

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW-846 7471B

S-1

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Project:	Tom Olivieri Park
Matrix:	Soil		
Batch:	T25H336	Laboratory ID:	T25H336-MS1
Preparation:	SW-846 7471B	Initial/Final:	0.38 g / 25 mL

Source Sample Name: T5H0412-01

COMPOUND	SPIKE ADDED (mg/kg dry)	SAMPLE CONCENTRATION (mg/kg dry)	MS CONCENTRATION (mg/kg dry)	MS % REC. #	QC LIMITS REC.	Q
Mercury	0.332	0.324	0.611	86.4	80 - 120	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW-846 7471B

S-1

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Project:	Tom Olivieri Park
Matrix:	Soil		
Batch:	T25H336	Laboratory ID:	T25H336-MSD1
Preparation:	SW-846 7471B	Initial/Final:	0.38 g / 25 mL

Source Sample Name: T5H0412-01

COMPOUND	SPIKE ADDED (mg/kg dry)	MSD CONCENTRATION (mg/kg dry)	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	Q
Mercury	0.332	0.611	86.4	0.00	20	80 - 120	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

DUPLICATES

S-1

SW-846 7471B

Laboratory: York Analytical Laboratories- Toms River
Client: Kenny Environmental Services
Matrix: Soil
Batch: T25H336
Preparation: SW-846 7471B
Source Sample Name: S-1

SDG: T5H0412
Project: Tom Olivieri Park
Laboratory ID: T25H336-DUP1
Lab Source ID: T5H0412-01
Initial/Final: 0.38 g / 25 mL
% Solids: 99.08

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/kg dry)	C	DUPLICATE CONCENTRATION (mg/kg dry)	C	RPD %	Q	METHOD
Mercury	20	0.324		0.327		1.03		SW-846 7471B

* Values outside of QC limits

FORM IV **PREPARATION BATCH SUMMARY**

SW-846 7471B

Laboratory: York Analytical Laboratories- Toms River SDG: T5H0412

Client: Kenny Environmental Services Project: Tom Olivieri Park

Batch: T25H336 Batch Matrix: Soil Preparation: SW-846 7471B

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	T25H336-BLK1	20250815 Hg Soil-004	08/15/25 09:00	
S-1	T25H336-DUP1	20250815 Hg Soil-008	08/15/25 09:00	
S-1	T25H336-MS1	20250815 Hg Soil-009	08/15/25 09:00	
S-1	T25H336-MSD1	20250815 Hg Soil-010	08/15/25 09:00	
S-1	T5H0412-01	20250815 Hg Soil-007	08/15/25 09:00	
S-2	T5H0412-02	20250815 Hg Soil-011	08/15/25 09:00	

FORM I

METHOD BLANK DATA SHEET

SW-846 7471B

Laboratory:	York Analytical Laboratories- Toms River			SDG:	T5H0412
Client:	Kenny Environmental Services			Project:	Tom Olivieri Park
Matrix:	Soil	Laboratory ID:	T25H336-BLK1	File ID:	20250815 Hg Soil-004
Prepared:	08/15/25 09:00	Preparation:	SW-846 7471B	Initial/Final:	0.5 g / 50 mL
Analyzed:	08/15/25 10:54	Instrument:	CVAA#1		
Batch:	T25H336	Sequence:	TH50238	Calibration:	UNASSIGNED

CAS NO.	COMPOUND	CONC. (mg/kg wet)	Q
7439-97-6	Mercury	0.0500	U

FORM I

BLANKS

SW-846 7471B

Laboratory: York Analytical Laboratories- Toms River
SDG: T5H0412
Client: Kenny Environmental Services
Instrument ID: CVAA#1
Project: Tom Olivieri Park
Sequence: TH50238
Calibration: 08/15/25 1

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
TH50238-ICB1	Mercury	-0.0479	0.500	ug/L		SW-846 7471B
TH50238-CCB1	Mercury	-0.148	0.500	ug/L		SW-846 7471B
TH50238-CCB2	Mercury	0.00229	0.500	ug/L		SW-846 7471B

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

SW-846 7471B

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Project:	Tom Olivieri Park
Sequence:	TH50238	Instrument:	CVAA#1
		Calibration:	UNASSIGNED

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Blank	TH50238-ICB1	20250815 Hg Soil-001	08/15/25 10:51
Initial Cal Check	TH50238-ICV1	20250815 Hg Soil-002	08/15/25 10:52
Instrument RL Check	TH50238-CRL1	20250815 Hg Soil-003	08/15/25 10:53
Blank	T25H336-BLK1	20250815 Hg Soil-004	08/15/25 10:54
S-1	T5H0412-01	20250815 Hg Soil-007	08/15/25 10:57
S-1	T25H336-DUP1	20250815 Hg Soil-008	08/15/25 10:58
S-1	T25H336-MS1	20250815 Hg Soil-009	08/15/25 10:59
S-1	T25H336-MSD1	20250815 Hg Soil-010	08/15/25 11:00
S-2	T5H0412-02	20250815 Hg Soil-011	08/15/25 11:01
Calibration Blank	TH50238-CCB1	20250815 Hg Soil-013	08/15/25 11:03
Calibration Check	TH50238-CCV1	20250815 Hg Soil-014	08/15/25 11:04
Calibration Blank	TH50238-CCB2	20250815 Hg Soil-019	08/15/25 11:09
Calibration Check	TH50238-CCV2	20250815 Hg Soil-020	08/15/25 11:10

INITIAL AND CONTINUING CALIBRATION CHECK

SW-846 7471B

Laboratory: York Analytical Laboratories- Toms River
SDG: T5H0412
Client: Kenny Environmental Services
Project: Tom Olivieri Park
Instrument ID: CVAA#1
Calibration: 08/15/25
Control Limt: +/- 10.00%
Sequence: TH50238

Lab Sample ID	Analyte	True	Found	%R	Units	Method
TH50238-ICV1	Mercury	5.00	5.08	102	ug/L	SW-846 7471B
TH50238-CCV1	Mercury	5.00	5.18	104	ug/L	SW-846 7471B
TH50238-CCV2	Mercury	5.00	5.18	104	ug/L	SW-846 7471B

* Values outside of QC limits

CRDL STANDARD

SW-846 7471B

Laboratory: York Analytical Laboratories- Toms River
SDG: T5H0412
Client: Kenny Environmental Services
Project: Tom Olivieri Park
Instrument ID: CVAA#1
Calibration: 08/15/25
Sequence: TH50238

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
TH50238-CRL1	Mercury	0.500	0.404	80.8	ug/L	70 - 130

* Values outside of QC limits

Metals Linear Dynamic Range

SW-846 7471B

Laboratory: York Analytical Laboratories- Toms River
SDG: T5H0412
Client: Kenny Environmental Services
Project: Tom Olivieri Park
Instrument: CVAA#1

CAS NO.	Analyte	Concentration mg/kg dry
7439-97-6	Mercury	1

FORM VI **INITIAL CALIBRATION DATA**

SW-846 7471B

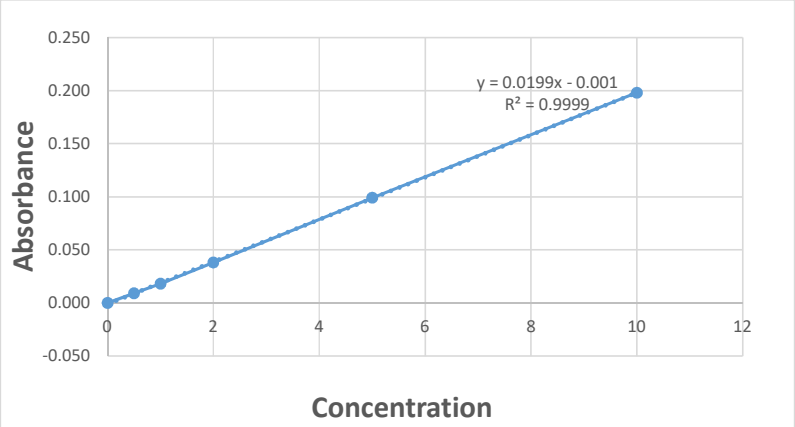
Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Project:	Tom Olivieri Park
Sequence:	TH50238		

MERCURY ICAL: Hg Soil SW846-7471B

STANDARDS DATA				
Concentration (µg/L)	Absorbance	Read-back Recoveries		
0	0.000	0.053	Concentration	
0.500	0.009	101		
1.00	0.018	95.7		
2.00	0.038	98.1	%	
5.00	0.099	101		
10.0	0.198	100		
SLOPE	**0.0199067**			
y-INTERCEPT	**-0.0010455**			
CORRELATION	**0.999954**	**≥0.995**		
ICV	0.100			
ICB	-0.002			

Date:	8/15/25 10:45		
Analyst:	ARB		
Instrument:	Varian SpectrAA-20 / VGA-76		

	µg/L		
ICV Spike Conc:	5.0		
			Control Limit 90-110%
	µg/L	mg/L	%R
ICV Conc:	5.08	0.00508	102
ICB Conc:	-0.048	-0.000048	



SW-846 6010D

Sample Information

Client Sample ID: **S-1** **York Sample ID:** **T5H0412-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
T5H0412	Tom Olivieri Park	Soil	August 11, 2025 10:00 am	08/12/2025

Metals by ICP

Sample Prepared by Method: SW-846 3050B

Results Reported to MDL

% Solids: 99.08

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
7440-36-0	**Antimony**	0.175	J	mg/kg dry	0.655	0.170	1	SW-846 6010D	08/15/2025 16:00	08/18/2025 12:16	SRF
7440-43-9	**Cadmium**	0.458		mg/kg dry	0.066	0.018	1	SW-846 6010D	08/15/2025 16:00	08/18/2025 12:16	SRF
7440-48-4	**Cobalt**	5.92		mg/kg dry	1.64	0.226	1	SW-846 6010D	08/15/2025 16:00	08/18/2025 12:16	SRF
7782-49-2	Selenium	ND		mg/kg dry	1.31	0.405	1	SW-846 6010D	08/15/2025 16:00	08/18/2025 12:16	SRF
7440-22-4	Silver	ND		mg/kg dry	0.328	0.052	1	SW-846 6010D	08/15/2025 16:00	08/18/2025 12:16	SRF
7440-23-5	**Sodium**	176		mg/kg dry	32.8	3.60	1	SW-846 6010D	08/15/2025 16:00	08/18/2025 12:16	SRF
7440-28-0	Thallium	ND		mg/kg dry	0.655	0.332	1	SW-846 6010D	08/15/2025 16:00	08/18/2025 12:16	SRF

Sample Information

Client Sample ID: **S-1** **York Sample ID:** **T5H0412-01RE1**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
T5H0412	Tom Olivieri Park	Soil	August 11, 2025 10:00 am	08/12/2025

Metals by ICP

Sample Prepared by Method: SW-846 3050B | Results Reported to MDL | % Solids: 99.08

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
7429-90-5	**Aluminum**	7910		mg/kg dry	49.2	11.0	5	SW-846 6010D	08/15/2025 16:00	08/18/2025 12:43	SRF
7440-38-2	**Arsenic**	5.26		mg/kg dry	3.28	0.832	5	SW-846 6010D	08/15/2025 16:00	08/18/2025 12:43	SRF
7440-39-3	**Barium**	80.2		mg/kg dry	0.655	0.178	5	SW-846 6010D	08/15/2025 16:00	08/18/2025 12:43	SRF
7440-41-7	**Beryllium**	0.443		mg/kg dry	0.328	0.054	5	SW-846 6010D	08/15/2025 16:00	08/18/2025 12:43	SRF
7440-70-2	**Calcium**	7820		mg/kg dry	24.6	2.92	5	SW-846 6010D	08/15/2025 16:00	08/18/2025 12:43	SRF
7440-47-3	**Chromium**	19.7	A-02	mg/kg dry	1.64	0.263	5	SW-846 6010D	08/15/2025 16:00	08/18/2025 12:43	SRF
7439-89-6	**Iron**	16200		mg/kg dry	32.8	3.06	5	SW-846 6010D	08/15/2025 16:00	08/18/2025 12:43	SRF
7439-92-1	**Lead**	86.7		mg/kg dry	3.28	0.472	5	SW-846 6010D	08/15/2025 16:00	08/18/2025 12:43	SRF
7439-95-4	**Magnesium**	3450		mg/kg dry	49.2	10.2	5	SW-846 6010D	08/15/2025 16:00	08/18/2025 12:43	SRF
7439-96-5	**Manganese**	334		mg/kg dry	0.819	0.134	5	SW-846 6010D	08/15/2025 16:00	08/18/2025 12:43	SRF
7440-02-0	**Nickel**	17.1		mg/kg dry	1.64	0.456	5	SW-846 6010D	08/15/2025 16:00	08/18/2025 12:43	SRF
7440-09-7	**Potassium**	1200		mg/kg dry	164	24.3	5	SW-846 6010D	08/15/2025 16:00	08/18/2025 12:43	SRF
7440-62-2	**Vanadium**	26.0		mg/kg dry	1.64	0.290	5	SW-846 6010D	08/15/2025 16:00	08/18/2025 12:43	SRF
7440-66-6	**Zinc**	193		mg/kg dry	4.92	1.11	5	SW-846 6010D	08/15/2025 16:00	08/18/2025 12:43	SRF

Sample Information

Client Sample ID: **S-2** **York Sample ID:** **T5H0412-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
T5H0412	Tom Olivieri Park	Soil	August 11, 2025 10:05 am	08/12/2025

Metals by ICP

Sample Prepared by Method: SW-846 3050B

Results Reported to MDL

% Solids: 99.23

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
7440-36-0	**Antimony**	0.278	J	mg/kg dry	0.638	0.166	1	SW-846 6010D	08/15/2025 16:00	08/18/2025 12:48	SRF
7440-48-4	**Cobalt**	5.77		mg/kg dry	1.59	0.220	1	SW-846 6010D	08/15/2025 16:00	08/18/2025 12:48	SRF
7782-49-2	Selenium	ND		mg/kg dry	1.28	0.394	1	SW-846 6010D	08/15/2025 16:00	08/18/2025 12:48	SRF
7440-22-4	Silver	ND		mg/kg dry	0.319	0.050	1	SW-846 6010D	08/15/2025 16:00	08/18/2025 12:48	SRF
7440-23-5	**Sodium**	207		mg/kg dry	31.9	3.51	1	SW-846 6010D	08/15/2025 16:00	08/18/2025 12:48	SRF
7440-28-0	Thallium	ND		mg/kg dry	0.638	0.323	1	SW-846 6010D	08/15/2025 16:00	08/18/2025 12:48	SRF

Sample Information

Client Sample ID: **S-2** **York Sample ID:** **T5H0412-02RE1**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
T5H0412	Tom Olivieri Park	Soil	August 11, 2025 10:05 am	08/12/2025

Metals by ICP

Sample Prepared by Method: SW-846 3050B — Results Reported to MDL — % Solids: 99.23

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
7429-90-5	**Aluminum**	7990		mg/kg dry	47.8	10.7	5	SW-846 6010D	08/15/2025 16:00	08/18/2025 14:23	SRF
7440-38-2	**Arsenic**	5.04		mg/kg dry	3.19	0.810	5	SW-846 6010D	08/15/2025 16:00	08/18/2025 14:23	SRF
7440-39-3	**Barium**	81.1		mg/kg dry	0.638	0.173	5	SW-846 6010D	08/15/2025 16:00	08/18/2025 14:23	SRF
7440-41-7	**Beryllium**	0.436		mg/kg dry	0.319	0.053	5	SW-846 6010D	08/15/2025 16:00	08/18/2025 14:23	SRF
7440-43-9	**Cadmium**	0.508		mg/kg dry	0.319	0.088	5	SW-846 6010D	08/15/2025 16:00	08/18/2025 14:23	SRF
7440-70-2	**Calcium**	8370		mg/kg dry	23.9	2.84	5	SW-846 6010D	08/15/2025 16:00	08/18/2025 14:23	SRF
7440-47-3	**Chromium**	55.6	A-02	mg/kg dry	1.59	0.256	5	SW-846 6010D	08/15/2025 16:00	08/18/2025 14:23	SRF
7439-89-6	**Iron**	17900		mg/kg dry	31.9	2.98	5	SW-846 6010D	08/15/2025 16:00	08/18/2025 14:23	SRF
7439-92-1	**Lead**	85.1		mg/kg dry	3.19	0.459	5	SW-846 6010D	08/15/2025 16:00	08/18/2025 14:23	SRF
7439-95-4	**Magnesium**	3720		mg/kg dry	47.8	9.95	5	SW-846 6010D	08/15/2025 16:00	08/18/2025 14:23	SRF
7439-96-5	**Manganese**	496		mg/kg dry	0.797	0.131	5	SW-846 6010D	08/15/2025 16:00	08/18/2025 14:23	SRF
7440-02-0	**Nickel**	16.3		mg/kg dry	1.59	0.443	5	SW-846 6010D	08/15/2025 16:00	08/18/2025 14:23	SRF
7440-09-7	**Potassium**	1220		mg/kg dry	159	23.6	5	SW-846 6010D	08/15/2025 16:00	08/18/2025 14:23	SRF
7440-62-2	**Vanadium**	32.6		mg/kg dry	1.59	0.282	5	SW-846 6010D	08/15/2025 16:00	08/18/2025 14:23	SRF
7440-66-6	**Zinc**	129		mg/kg dry	4.78	1.08	5	SW-846 6010D	08/15/2025 16:00	08/18/2025 14:23	SRF

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW-846 6010D

S-1

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Project:	Tom Olivieri Park
Matrix:	Soil		
Batch:	T25H393	Laboratory ID:	T25H393-MS1
Preparation:	SW-846 3050B	Initial/Final:	0.77 g / 50 mL

Source Sample Name: T5H0412-01

COMPOUND	SPIKE ADDED (mg/kg dry)	SAMPLE CONCENTRATION (mg/kg dry)	MS CONCENTRATION (mg/kg dry)	MS % REC. #	QC LIMITS REC.	Q
Aluminum	328	6690	8280	486 *	75 - 125	-SPK
Antimony	2.62	0.175	1.55	52.6 *	75 - 125	-SPK
Arsenic	13.1	4.27	14.5	78.1	75 - 125	
Barium	26.2	67.8	91.8	91.3	75 - 125	
Beryllium	2.62	0.357	2.49	81.5	75 - 125	
Cadmium	6.55	0.458	5.47	76.5	75 - 125	
Calcium	328	6500	6590	29.6 *	75 - 125	-SPK
Chromium	13.1	16.7	29.6	97.9	75 - 125	
Cobalt	6.55	5.92	11.2	80.3	75 - 125	
Iron	262	13300	13700	165 *	75 - 125	-SPK
Lead	26.2	70.3	89.6	73.7 *	75 - 125	-SPK
Magnesium	328	2850	3220	113	75 - 125	
Manganese	13.1	275	290	110	75 - 125	
Nickel	6.55	14.1	19.6	84.2	75 - 125	
Potassium	131	1040	1350	239 *	75 - 125	-SPK
Selenium	13.1	ND	9.46	72.1 *	75 - 125	-SPK
Silver	3.28	ND	2.79	85.3	75 - 125	
Sodium	328	176	460	86.7	75 - 125	
Thallium	13.1	ND	10.2	77.5	75 - 125	
Vanadium	6.55	22.1	29.0	106	75 - 125	
Zinc	6.55	167	139	-423 *	75 - 125	-SPK

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW-846 6010D

S-1

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Project:	Tom Olivieri Park
Matrix:	Soil		
Batch:	T25H393	Laboratory ID:	T25H393-MSD1
Preparation:	SW-846 3050B	Initial/Final:	0.77 g / 50 mL

Source Sample Name: T5H0412-01

COMPOUND	SPIKE ADDED (mg/kg dry)	MSD CONCENTRATION (mg/kg dry)	MSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.	Q
Aluminum	328	8130	440	*	1.84	20	75 - 125	-SPK
Antimony	2.62	1.36	45.3	*	13.1	20	75 - 125	-SPK
Arsenic	13.1	14.1	75.3		2.56	20	75 - 125	
Barium	26.2	89.9	84.3		2.02	20	75 - 125	
Beryllium	2.62	2.43	79.0		2.66	20	75 - 125	
Cadmium	6.55	5.39	75.2		1.53	20	75 - 125	
Calcium	328	6450	-13.8	*	2.18	20	75 - 125	-SPK
Chromium	13.1	29.1	94.3		1.61	20	75 - 125	
Cobalt	6.55	11.0	76.8		2.07	20	75 - 125	
Iron	262	13400	52.5	*	2.17	20	75 - 125	-SPK
Lead	26.2	88.2	68.2	*	1.62	20	75 - 125	-SPK
Magnesium	328	3170	95.6		1.79	20	75 - 125	
Manganese	13.1	285	70.5	*	1.83	20	75 - 125	-SPK
Nickel	6.55	19.3	79.0		1.75	20	75 - 125	
Potassium	131	1330	222	*	1.61	20	75 - 125	-SPK
Selenium	13.1	9.24	70.5	*	2.31	20	75 - 125	-SPK
Silver	3.28	2.77	84.4		0.990	20	75 - 125	
Sodium	328	450	83.5		2.32	20	75 - 125	
Thallium	13.1	10.1	76.7		0.972	20	75 - 125	
Vanadium	6.55	28.5	97.9		1.80	20	75 - 125	
Zinc	6.55	137	-457	*	1.62	20	75 - 125	-SPK

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

DUPLICATES

S-1

SW-846 6010D

Laboratory: York Analytical Laboratories- Toms River
SDG: T5H0412
Client: Kenny Environmental Services
Project: Tom Olivieri Park
Matrix: Soil
Laboratory ID: T25H393-DUP1
Batch: T25H393
Lab Source ID: T5H0412-01
Preparation: SW-846 3050B
Initial/Final: 0.77 g / 50 mL
Source Sample Name: S-1
% Solids: 99.08

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/kg dry)	C	DUPLICATE CONCENTRATION (mg/kg dry)	C	RPD %	Q	METHOD
Aluminum	20	6690		6800		1.65		SW-846 6010D
Antimony	20	0.175		ND				SW-846 6010D
Arsenic	20	4.27		4.33		1.39		SW-846 6010D
Barium	20	67.8		69.5		2.39		SW-846 6010D
Beryllium	20	0.357		0.361		1.19		SW-846 6010D
Cadmium	20	0.458		0.397		14.1		SW-846 6010D
Calcium	20	6500		6650		2.27		SW-846 6010D
Chromium	20	16.7		17.3		3.50		SW-846 6010D
Cobalt	20	5.92		5.98		1.02		SW-846 6010D
Iron	20	13300		13600		2.38		SW-846 6010D
Lead	20	70.3		72.6		3.30		SW-846 6010D
Magnesium	20	2850		2920		2.23		SW-846 6010D
Manganese	20	275		281		1.98		SW-846 6010D
Nickel	20	14.1		14.2		0.927		SW-846 6010D
Potassium	20	1040		1050		0.627		SW-846 6010D
Selenium	20	ND		ND				SW-846 6010D
Silver	20	ND		ND				SW-846 6010D
Sodium	20	176		179		1.84		SW-846 6010D
Thallium	20	ND		ND				SW-846 6010D
Vanadium	20	22.1		22.6		2.32		SW-846 6010D
Zinc	20	167		181		8.44		SW-846 6010D

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 6010D

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Project:	Tom Olivieri Park
Matrix:	Soil		
Batch:	T25H393	Laboratory ID:	T25H393-BS1
Preparation:	SW-846 3050B	Initial/Final:	0.5 g / 50 mL

COMPOUND	SPIKE ADDED (mg/kg wet)	LCS CONCENTRATION (mg/kg wet)	LCS % REC. #	QC LIMITS REC.	Q
Aluminum	500	514	103	80 - 120	
Antimony	4.00	4.13	103	80 - 120	
Arsenic	20.0	20.5	103	80 - 120	
Barium	40.0	41.6	104	80 - 120	
Beryllium	4.00	4.29	107	80 - 120	
Cadmium	10.0	10.5	105	80 - 120	
Calcium	500	572	114	80 - 120	
Chromium	20.0	21.0	105	80 - 120	
Cobalt	10.0	10.9	109	80 - 120	
Iron	400	422	106	80 - 120	
Lead	40.0	44.1	110	80 - 120	
Magnesium	500	523	105	80 - 120	
Manganese	20.0	21.4	107	80 - 120	
Nickel	10.0	10.8	108	80 - 120	
Potassium	200	198	99.0	80 - 120	
Selenium	20.0	20.4	102	80 - 120	
Silver	5.00	5.22	104	80 - 120	
Sodium	500	466	93.3	80 - 120	
Thallium	20.0	23.3	117	80 - 120	
Vanadium	10.0	10.4	104	80 - 120	
Zinc	10.0	9.65	96.5	80 - 120	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM IV **PREPARATION BATCH SUMMARY**

SW-846 6010D

Laboratory: York Analytical Laboratories- Toms River SDG: T5H0412

Client: Kenny Environmental Services Project: Tom Olivieri Park

Batch: T25H393 Batch Matrix: Soil Preparation: SW-846 3050B

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	T25H393-BLK1	2025081805-003	08/15/25 16:00	
LCS	T25H393-BS1	2025081805-004	08/15/25 16:00	
S-1	T25H393-DUP1	2025081805-006	08/15/25 16:00	
S-1	T25H393-MS1	2025081805-008	08/15/25 16:00	
S-1	T25H393-MSD1	2025081805-009	08/15/25 16:00	
S-1	T5H0412-01	2025081805-005	08/15/25 16:00	
S-1	T5H0412-01RE1	2025081806-001	08/15/25 16:00	Added 8/19/2025 by SRF
S-2	T5H0412-02	2025081806-002	08/15/25 16:00	
S-2	T5H0412-02RE1	2025081807-002	08/15/25 16:00	Added 8/19/2025 by SRF

FORM I

METHOD BLANK DATA SHEET

SW-846 6010D

Laboratory:	York Analytical Laboratories- Toms River			SDG:	T5H0412
Client:	Kenny Environmental Services			Project:	Tom Olivieri Park
Matrix:	Soil	Laboratory ID:	T25H393-BLK1	File ID:	2025081805-003
Prepared:	08/15/25 16:00	Preparation:	SW-846 3050B	Initial/Final:	0.5 g / 50 mL
Analyzed:	08/18/25 12:05	Instrument:	ICAP#1		
Batch:	T25H393	Sequence:	TH50285	Calibration:	UNASSIGNED

CAS NO.	COMPOUND	CONC. (mg/kg wet)	Q
7429-90-5	Aluminum	15.0	U
7440-36-0	Antimony	1.00	U
7440-38-2	Arsenic	1.00	U
7440-39-3	Barium	0.200	U
7440-41-7	Beryllium	0.100	U
7440-43-9	Cadmium	0.100	U
7440-70-2	Calcium	2.90	J
7440-47-3	Chromium	0.500	U
7440-48-4	Cobalt	2.50	U
7439-89-6	Iron	10.0	U
7439-92-1	Lead	1.00	U
7439-95-4	Magnesium	15.0	U
7439-96-5	Manganese	0.250	U
7440-02-0	Nickel	0.500	U
7440-09-7	Potassium	50.0	U
7782-49-2	Selenium	2.00	U
7440-22-4	Silver	0.500	U
7440-23-5	Sodium	50.0	U
7440-28-0	Thallium	1.00	U
7440-62-2	Vanadium	0.500	U
7440-66-6	Zinc	1.50	U

FORM I

BLANKS

SW-846 6010D

Laboratory: York Analytical Laboratories- Toms River
SDG: T5H0412
Client: Kenny Environmental Services
Instrument ID: ICAP#1
Project: Tom Olivieri Park
Sequence: TH50285
Calibration: 08/18/25 1

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
TH50285-ICB1	Aluminum	12.2	150	ug/L		SW-846 6010D
	Antimony	-1.90	10.0	ug/L		SW-846 6010D
	Arsenic	2.11	10.0	ug/L		SW-846 6010D
	Barium	0.228	2.00	ug/L		SW-846 6010D
	Beryllium	0.092	1.00	ug/L		SW-846 6010D
	Cadmium	0.212	1.00	ug/L		SW-846 6010D
	Calcium	4.74	75.0	ug/L		SW-846 6010D
	Chromium	-0.152	5.00	ug/L		SW-846 6010D
	Cobalt	0.202	25.0	ug/L		SW-846 6010D
	Iron	-8.24	100	ug/L		SW-846 6010D
	Lead	-1.57	10.0	ug/L		SW-846 6010D
	Magnesium	-15.1	150	ug/L		SW-846 6010D
	Manganese	-0.144	2.50	ug/L		SW-846 6010D
	Nickel	0.231	5.00	ug/L		SW-846 6010D
	Potassium	-13.3	500	ug/L		SW-846 6010D
	Selenium	-0.608	20.0	ug/L		SW-846 6010D
	Silver	-0.493	5.00	ug/L		SW-846 6010D
	Sodium	-284	500	ug/L		SW-846 6010D
	Thallium	-1.30	10.0	ug/L		SW-846 6010D
	Vanadium	0.220	5.00	ug/L		SW-846 6010D
	Zinc	-6.21	15.0	ug/L		SW-846 6010D
TH50285-CCB1	Aluminum	-5.50	150	ug/L		SW-846 6010D
	Antimony	-0.102	10.0	ug/L		SW-846 6010D
	Arsenic	1.46	10.0	ug/L		SW-846 6010D
	Barium	0.607	2.00	ug/L		SW-846 6010D
	Beryllium	0.081	1.00	ug/L		SW-846 6010D
	Cadmium	0.239	1.00	ug/L		SW-846 6010D
	Calcium	8.85	75.0	ug/L		SW-846 6010D
	Chromium	0.241	5.00	ug/L		SW-846 6010D
	Cobalt	0.517	25.0	ug/L		SW-846 6010D
	Iron	-10.7	100	ug/L		SW-846 6010D

FORM I

BLANKS

SW-846 6010D

Laboratory: York Analytical Laboratories- Toms River
SDG: T5H0412
Client: Kenny Environmental Services
Instrument ID: ICAP#1
Project: Tom Olivieri Park
Sequence: TH50285
Calibration: 08/18/25 1

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
TH50285-CCB1	Lead	-1.92	10.0	ug/L		SW-846 6010D
	Magnesium	9.34	150	ug/L		SW-846 6010D
	Manganese	-0.220	2.50	ug/L		SW-846 6010D
	Nickel	-0.002	5.00	ug/L		SW-846 6010D
	Potassium	-51.4	500	ug/L		SW-846 6010D
	Selenium	-0.639	20.0	ug/L		SW-846 6010D
	Silver	-0.180	5.00	ug/L		SW-846 6010D
	Sodium	-451	500	ug/L		SW-846 6010D
	Thallium	-1.46	10.0	ug/L		SW-846 6010D
	Vanadium	0.210	5.00	ug/L		SW-846 6010D
	Zinc	-6.73	15.0	ug/L		SW-846 6010D
TH50285-CCB2	Aluminum	28.7	150	ug/L		SW-846 6010D
	Antimony	-0.694	10.0	ug/L		SW-846 6010D
	Arsenic	0.470	10.0	ug/L		SW-846 6010D
	Barium	0.718	2.00	ug/L		SW-846 6010D
	Beryllium	0.099	1.00	ug/L		SW-846 6010D
	Cadmium	0.136	1.00	ug/L		SW-846 6010D
	Calcium	13.4	75.0	ug/L		SW-846 6010D
	Chromium	0.266	5.00	ug/L		SW-846 6010D
	Cobalt	0.319	25.0	ug/L		SW-846 6010D
	Iron	2.57	100	ug/L		SW-846 6010D
	Lead	-1.86	10.0	ug/L		SW-846 6010D
	Magnesium	13.1	150	ug/L		SW-846 6010D
	Manganese	0.016	2.50	ug/L		SW-846 6010D
	Nickel	-0.362	5.00	ug/L		SW-846 6010D
	Potassium	-59.7	500	ug/L		SW-846 6010D
	Selenium	-2.89	20.0	ug/L		SW-846 6010D
	Silver	0.205	5.00	ug/L		SW-846 6010D
	Sodium	-489	500	ug/L		SW-846 6010D
	Thallium	-0.455	10.0	ug/L		SW-846 6010D
	Vanadium	0.377	5.00	ug/L		SW-846 6010D

FORM I

BLANKS

SW-846 6010D

Laboratory: York Analytical Laboratories- Toms River
SDG: T5H0412
Client: Kenny Environmental Services
Instrument ID: ICAP#1
Project: Tom Olivieri Park
Sequence: TH50285
Calibration: 08/18/25 1

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
TH50285-CCB2	Zinc	-6.84	15.0	ug/L		SW-846 6010D
TH50285-CCB3	Aluminum	36.0	150	ug/L		SW-846 6010D
	Antimony	-0.862	10.0	ug/L		SW-846 6010D
	Arsenic	2.53	10.0	ug/L		SW-846 6010D
	Barium	0.272	2.00	ug/L		SW-846 6010D
	Beryllium	0.075	1.00	ug/L		SW-846 6010D
	Cadmium	0.199	1.00	ug/L		SW-846 6010D
	Calcium	18.3	75.0	ug/L		SW-846 6010D
	Chromium	-0.141	5.00	ug/L		SW-846 6010D
	Cobalt	0.167	25.0	ug/L		SW-846 6010D
	Iron	16.0	100	ug/L		SW-846 6010D
	Lead	-2.25	10.0	ug/L		SW-846 6010D
	Magnesium	0.744	150	ug/L		SW-846 6010D
	Manganese	-0.102	2.50	ug/L		SW-846 6010D
	Nickel	0.035	5.00	ug/L		SW-846 6010D
	Potassium	-50.1	500	ug/L		SW-846 6010D
	Selenium	-0.748	20.0	ug/L		SW-846 6010D
	Silver	-0.536	5.00	ug/L		SW-846 6010D
	Sodium	-63.3	500	ug/L		SW-846 6010D
	Thallium	-1.15	10.0	ug/L		SW-846 6010D
	Vanadium	-0.002	5.00	ug/L		SW-846 6010D
	Zinc	-6.77	15.0	ug/L		SW-846 6010D
TH50285-CCB4	Aluminum	-7.62	150	ug/L		SW-846 6010D
	Antimony	-1.08	10.0	ug/L		SW-846 6010D
	Arsenic	0.893	10.0	ug/L		SW-846 6010D
	Barium	-0.037	2.00	ug/L		SW-846 6010D
	Beryllium	0.049	1.00	ug/L		SW-846 6010D
	Cadmium	0.163	1.00	ug/L		SW-846 6010D
	Calcium	2.22	75.0	ug/L		SW-846 6010D
	Chromium	-0.354	5.00	ug/L		SW-846 6010D
	Cobalt	0.187	25.0	ug/L		SW-846 6010D

FORM I

BLANKS

SW-846 6010D

Laboratory: York Analytical Laboratories- Toms River
SDG: T5H0412
Client: Kenny Environmental Services
Instrument ID: ICAP#1
Project: Tom Olivieri Park
Sequence: TH50285
Calibration: 08/18/25 1

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
TH50285-CCB4	Iron	4.24	100	ug/L		SW-846 6010D
	Lead	-1.86	10.0	ug/L		SW-846 6010D
	Magnesium	-0.900	150	ug/L		SW-846 6010D
	Manganese	-0.602	2.50	ug/L		SW-846 6010D
	Nickel	-0.329	5.00	ug/L		SW-846 6010D
	Potassium	-65.6	500	ug/L		SW-846 6010D
	Selenium	-2.88	20.0	ug/L		SW-846 6010D
	Silver	-0.267	5.00	ug/L		SW-846 6010D
	Sodium	-110	500	ug/L		SW-846 6010D
	Thallium	-2.86	10.0	ug/L		SW-846 6010D
	Vanadium	0.070	5.00	ug/L		SW-846 6010D
	Zinc	-6.93	15.0	ug/L		SW-846 6010D

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

SW-846 6010D

Laboratory: York Analytical Laboratories- Toms River
SDG: T5H0412
Client: Kenny Environmental Services
Project: Tom Olivieri Park
Sequence: TH50285
Instrument: ICAP#1
Calibration: UNASSIGNED

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	TH50285-CAL1	2025081801-001	08/18/25 10:08
Cal Standard	TH50285-CAL2	2025081801-002	08/18/25 10:13
Cal Standard	TH50285-CAL3	2025081801-003	08/18/25 10:19
Cal Standard	TH50285-CAL4	2025081801-004	08/18/25 10:24
Cal Standard	TH50285-CAL5	2025081801-005	08/18/25 10:29
Initial Cal Check	TH50285-ICV1	2025081801-006	08/18/25 10:35
Initial Cal Blank	TH50285-ICB1	2025081801-007	08/18/25 10:40
Interference Check A	TH50285-IFA1	2025081802-001	08/18/25 10:52
Interference Check B	TH50285-IFB1	2025081803-001	08/18/25 11:05
Low Cal Check	TH50285-LCV1	2025081803-002	08/18/25 11:10
Instrument RL Check	TH50285-CRL1	2025081804-001	08/18/25 11:49
Calibration Check	TH50285-CCV1	2025081805-001	08/18/25 11:54
Calibration Blank	TH50285-CCB1	2025081805-002	08/18/25 12:00
Blank	T25H393-BLK1	2025081805-003	08/18/25 12:05
LCS	T25H393-BS1	2025081805-004	08/18/25 12:11
S-1	T5H0412-01	2025081805-005	08/18/25 12:16
S-1	T5H0412-01	2025081805-005	08/18/25 12:16
S-1	T5H0412-01	2025081805-005	08/18/25 12:16
S-1	T5H0412-01	2025081805-005	08/18/25 12:16
S-1	T5H0412-01	2025081805-005	08/18/25 12:16
S-1	T5H0412-01	2025081805-005	08/18/25 12:16
S-1	T5H0412-01	2025081805-005	08/18/25 12:16
S-1	T25H393-DUP1	2025081805-006	08/18/25 12:21
S-1	T25H393-MS1	2025081805-008	08/18/25 12:32
S-1	T25H393-MSD1	2025081805-009	08/18/25 12:38
S-1	T5H0412-01RE1	2025081806-001	08/18/25 12:43
S-1	T5H0412-01RE1	2025081806-001	08/18/25 12:43
S-1	T5H0412-01RE1	2025081806-001	08/18/25 12:43
S-1	T5H0412-01RE1	2025081806-001	08/18/25 12:43
S-1	T5H0412-01RE1	2025081806-001	08/18/25 12:43

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

SW-846 6010D

Laboratory: York Analytical Laboratories- Toms River
SDG: T5H0412
Client: Kenny Environmental Services
Project: Tom Olivieri Park
Sequence: TH50285
Instrument: ICAP#1
Calibration: UNASSIGNED

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-1	T5H0412-01RE1	2025081806-001	08/18/25 12:43
S-1	T5H0412-01RE1	2025081806-001	08/18/25 12:43
S-1	T5H0412-01RE1	2025081806-001	08/18/25 12:43
S-1	T5H0412-01RE1	2025081806-001	08/18/25 12:43
S-1	T5H0412-01RE1	2025081806-001	08/18/25 12:43
S-1	T5H0412-01RE1	2025081806-001	08/18/25 12:43
S-1	T5H0412-01RE1	2025081806-001	08/18/25 12:43
S-1	T5H0412-01RE1	2025081806-001	08/18/25 12:43
S-1	T5H0412-01RE1	2025081806-001	08/18/25 12:43
S-2	T5H0412-02	2025081806-002	08/18/25 12:48
S-2	T5H0412-02	2025081806-002	08/18/25 12:48
S-2	T5H0412-02	2025081806-002	08/18/25 12:48
S-2	T5H0412-02	2025081806-002	08/18/25 12:48
S-2	T5H0412-02	2025081806-002	08/18/25 12:48
S-2	T5H0412-02	2025081806-002	08/18/25 12:48
Calibration Check	TH50285-CCV2	2025081806-004	08/18/25 12:59
Calibration Blank	TH50285-CCB2	2025081806-005	08/18/25 13:04
Calibration Check	TH50285-CCV3	2025081806-016	08/18/25 14:04
Calibration Blank	TH50285-CCB3	2025081807-001	08/18/25 14:17
S-2	T5H0412-02RE1	2025081807-002	08/18/25 14:23
S-2	T5H0412-02RE1	2025081807-002	08/18/25 14:23
S-2	T5H0412-02RE1	2025081807-002	08/18/25 14:23
S-2	T5H0412-02RE1	2025081807-002	08/18/25 14:23
S-2	T5H0412-02RE1	2025081807-002	08/18/25 14:23
S-2	T5H0412-02RE1	2025081807-002	08/18/25 14:23
S-2	T5H0412-02RE1	2025081807-002	08/18/25 14:23
S-2	T5H0412-02RE1	2025081807-002	08/18/25 14:23
S-2	T5H0412-02RE1	2025081807-002	08/18/25 14:23
S-2	T5H0412-02RE1	2025081807-002	08/18/25 14:23
S-2	T5H0412-02RE1	2025081807-002	08/18/25 14:23

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

SW-846 6010D

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Project:	Tom Olivieri Park
Sequence:	TH50285	Instrument:	ICAP#1
		Calibration:	UNASSIGNED

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-2	T5H0412-02RE1	2025081807-002	08/18/25 14:23
S-2	T5H0412-02RE1	2025081807-002	08/18/25 14:23
S-2	T5H0412-02RE1	2025081807-002	08/18/25 14:23
S-2	T5H0412-02RE1	2025081807-002	08/18/25 14:23
Calibration Check	TH50285-CCV4	2025081807-012	08/18/25 15:18
Calibration Blank	TH50285-CCB4	2025081808-001	08/18/25 15:34

INITIAL AND CONTINUING CALIBRATION CHECK

SW-846 6010D

Laboratory: York Analytical Laboratories- Toms River
SDG: T5H0412
Client: Kenny Environmental Services
Project: Tom Olivieri Park
Instrument ID: ICAP#1
Calibration: 08/18/25
Control Limt: +/- 10.00%
Sequence: TH50285

Lab Sample ID	Analyte	True	Found	%R	Units	Method
TH50285-ICV1	Aluminum	62500	60200	96.3	ug/L	SW-846 6010D
	Antimony	500	473	94.6	ug/L	SW-846 6010D
	Arsenic	2500	2400	96.1	ug/L	SW-846 6010D
	Barium	5000	4900	98.0	ug/L	SW-846 6010D
	Beryllium	500	484	96.8	ug/L	SW-846 6010D
	Cadmium	1250	1220	97.9	ug/L	SW-846 6010D
	Calcium	62500	60500	96.9	ug/L	SW-846 6010D
	Chromium	2500	2440	97.4	ug/L	SW-846 6010D
	Cobalt	1250	1220	97.8	ug/L	SW-846 6010D
	Iron	50000	48500	97.0	ug/L	SW-846 6010D
	Lead	5000	4920	98.5	ug/L	SW-846 6010D
	Magnesium	62500	60500	96.7	ug/L	SW-846 6010D
	Manganese	2500	2480	99.0	ug/L	SW-846 6010D
	Nickel	1250	1220	98.0	ug/L	SW-846 6010D
	Potassium	25000	24100	96.5	ug/L	SW-846 6010D
	Selenium	2500	2400	96.1	ug/L	SW-846 6010D
	Silver	625	613	98.1	ug/L	SW-846 6010D
	Sodium	62500	60200	96.3	ug/L	SW-846 6010D
	Thallium	2500	2500	99.9	ug/L	SW-846 6010D
	Vanadium	1250	1210	97.0	ug/L	SW-846 6010D
	Zinc	1250	1200	96.0	ug/L	SW-846 6010D
TH50285-CCV1	Aluminum	62500	61200	97.9	ug/L	SW-846 6010D
	Antimony	500	504	101	ug/L	SW-846 6010D
	Arsenic	2500	2470	98.9	ug/L	SW-846 6010D
	Barium	5000	4990	99.7	ug/L	SW-846 6010D
	Beryllium	500	495	98.9	ug/L	SW-846 6010D
	Cadmium	1250	1240	99.4	ug/L	SW-846 6010D
	Calcium	62500	61800	98.8	ug/L	SW-846 6010D
	Chromium	2500	2480	99.2	ug/L	SW-846 6010D
	Cobalt	1250	1250	100	ug/L	SW-846 6010D
	Iron	50000	49100	98.2	ug/L	SW-846 6010D
	Lead	5000	5040	101	ug/L	SW-846 6010D
	Magnesium	62500	61400	98.2	ug/L	SW-846 6010D
	Manganese	2500	2490	99.7	ug/L	SW-846 6010D
	Nickel	1250	1250	100	ug/L	SW-846 6010D

INITIAL AND CONTINUING CALIBRATION CHECK

SW-846 6010D

Laboratory: York Analytical Laboratories- Toms River
SDG: T5H0412
Client: Kenny Environmental Services
Project: Tom Olivieri Park
Instrument ID: ICAP#1
Calibration: 08/18/25
Control Limt: +/- 10.00%
Sequence: TH50285

Lab Sample ID	Analyte	True	Found	%R	Units	Method
TH50285-CCV1	Potassium	25000	24500	98.0	ug/L	SW-846 6010D
	Selenium	2500	2490	99.5	ug/L	SW-846 6010D
	Silver	625	631	101	ug/L	SW-846 6010D
	Sodium	62500	61000	97.6	ug/L	SW-846 6010D
	Thallium	2500	2580	103	ug/L	SW-846 6010D
	Vanadium	1250	1240	99.0	ug/L	SW-846 6010D
	Zinc	1250	1240	99.2	ug/L	SW-846 6010D
TH50285-CCV2	Aluminum	62500	61900	99.1	ug/L	SW-846 6010D
	Antimony	500	508	102	ug/L	SW-846 6010D
	Arsenic	2500	2500	99.9	ug/L	SW-846 6010D
	Barium	5000	5020	100	ug/L	SW-846 6010D
	Beryllium	500	503	101	ug/L	SW-846 6010D
	Cadmium	1250	1250	100	ug/L	SW-846 6010D
	Calcium	62500	62800	101	ug/L	SW-846 6010D
	Chromium	2500	2500	100	ug/L	SW-846 6010D
	Cobalt	1250	1260	101	ug/L	SW-846 6010D
	Iron	50000	49900	99.8	ug/L	SW-846 6010D
	Lead	5000	5080	102	ug/L	SW-846 6010D
	Magnesium	62500	62400	99.9	ug/L	SW-846 6010D
	Manganese	2500	2550	102	ug/L	SW-846 6010D
	Nickel	1250	1260	101	ug/L	SW-846 6010D
	Potassium	25000	24700	98.7	ug/L	SW-846 6010D
	Selenium	2500	2510	101	ug/L	SW-846 6010D
	Silver	625	630	101	ug/L	SW-846 6010D
	Sodium	62500	61800	98.9	ug/L	SW-846 6010D
	Thallium	2500	2600	104	ug/L	SW-846 6010D
	Vanadium	1250	1250	99.8	ug/L	SW-846 6010D
	Zinc	1250	1250	99.9	ug/L	SW-846 6010D
TH50285-CCV3	Aluminum	62500	62400	99.8	ug/L	SW-846 6010D
	Antimony	500	506	101	ug/L	SW-846 6010D
	Arsenic	2500	2510	100	ug/L	SW-846 6010D
	Barium	5000	5070	101	ug/L	SW-846 6010D
	Beryllium	500	503	101	ug/L	SW-846 6010D
	Cadmium	1250	1260	101	ug/L	SW-846 6010D
	Calcium	62500	62900	101	ug/L	SW-846 6010D

INITIAL AND CONTINUING CALIBRATION CHECK

SW-846 6010D

Laboratory: York Analytical Laboratories- Toms River
SDG: T5H0412
Client: Kenny Environmental Services
Project: Tom Olivieri Park
Instrument ID: ICAP#1
Calibration: 08/18/25
Control Limt: +/- 10.00%
Sequence: TH50285

Lab Sample ID	Analyte	True	Found	%R	Units	Method
TH50285-CCV3	Chromium	2500	2520	101	ug/L	SW-846 6010D
	Cobalt	1250	1270	102	ug/L	SW-846 6010D
	Iron	50000	49600	99.2	ug/L	SW-846 6010D
	Lead	5000	5130	103	ug/L	SW-846 6010D
	Magnesium	62500	62700	100	ug/L	SW-846 6010D
	Manganese	2500	2540	102	ug/L	SW-846 6010D
	Nickel	1250	1270	101	ug/L	SW-846 6010D
	Potassium	25000	25000	99.9	ug/L	SW-846 6010D
	Selenium	2500	2520	101	ug/L	SW-846 6010D
	Silver	625	635	102	ug/L	SW-846 6010D
	Sodium	62500	61800	98.8	ug/L	SW-846 6010D
	Thallium	2500	2620	105	ug/L	SW-846 6010D
	Vanadium	1250	1260	101	ug/L	SW-846 6010D
	Zinc	1250	1260	101	ug/L	SW-846 6010D
TH50285-CCV4	Aluminum	62500	62000	99.1	ug/L	SW-846 6010D
	Antimony	500	505	101	ug/L	SW-846 6010D
	Arsenic	2500	2500	100	ug/L	SW-846 6010D
	Barium	5000	5050	101	ug/L	SW-846 6010D
	Beryllium	500	502	100	ug/L	SW-846 6010D
	Cadmium	1250	1250	100	ug/L	SW-846 6010D
	Calcium	62500	62800	100	ug/L	SW-846 6010D
	Chromium	2500	2520	101	ug/L	SW-846 6010D
	Cobalt	1250	1260	101	ug/L	SW-846 6010D
	Iron	50000	49100	98.2	ug/L	SW-846 6010D
	Lead	5000	5110	102	ug/L	SW-846 6010D
	Magnesium	62500	62500	100	ug/L	SW-846 6010D
	Manganese	2500	2550	102	ug/L	SW-846 6010D
	Nickel	1250	1260	101	ug/L	SW-846 6010D
	Potassium	25000	24900	99.5	ug/L	SW-846 6010D
	Selenium	2500	2510	100	ug/L	SW-846 6010D
	Silver	625	636	102	ug/L	SW-846 6010D
	Sodium	62500	61500	98.4	ug/L	SW-846 6010D
	Thallium	2500	2630	105	ug/L	SW-846 6010D
	Vanadium	1250	1260	100	ug/L	SW-846 6010D
	Zinc	1250	1250	100	ug/L	SW-846 6010D

* Values outside of QC limits

CRDL STANDARD

SW-846 6010D

Laboratory: York Analytical Laboratories- Toms River
SDG: T5H0412
Client: Kenny Environmental Services
Project: Tom Olivieri Park
Instrument ID: ICAP#1
Calibration: 08/18/25
Sequence: TH50285

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
TH50285-CRL1	Aluminum	150	155	103	ug/L	80 - 120
	Antimony	10.0	10.1	101	ug/L	80 - 120
	Arsenic	10.0	10.4	104	ug/L	80 - 120
	Barium	2.00	1.93	96.6	ug/L	80 - 120
	Beryllium	1.00	1.04	104	ug/L	80 - 120
	Cadmium	1.00	1.14	114	ug/L	80 - 120
	Calcium	75.0	80.6	108	ug/L	80 - 120
	Chromium	5.00	5.03	101	ug/L	80 - 120
	Cobalt	25.0	26.9	108	ug/L	80 - 120
	Iron	100	86.6	86.6	ug/L	80 - 120
	Lead	10.0	8.62	86.2	ug/L	80 - 120
	Magnesium	150	143	95.3	ug/L	80 - 120
	Manganese	2.50	2.10	83.8	ug/L	80 - 120
	Nickel	5.00	5.24	105	ug/L	80 - 120
	Potassium	500	426	85.2	ug/L	80 - 120
	Selenium	20.0	16.3	81.3	ug/L	80 - 120
	Silver	5.00	5.00	100	ug/L	80 - 120
	Sodium	500	484	96.8	ug/L	80 - 120
	Thallium	10.0	9.86	98.6	ug/L	80 - 120
	Vanadium	5.00	5.08	102	ug/L	80 - 120
	Zinc	15.0	12.1	80.9	ug/L	80 - 120

* Values outside of QC limits

ICP INTERFERENCE CHECK SAMPLE

SW-846 6010D

Laboratory: York Analytical Laboratories- Toms River
SDG: T5H0412
Client: Kenny Environmental Services
Project: Tom Olivieri Park
Instrument ID: ICAP#1
Calibration: 08/18/25
Sequence: TH50285

Lab Sample ID	Analyte	True	Found	RL	% Rec	Acceptance Criteria	Units
TH50285-IFA1	Aluminum	500000	508,400.00	150	102	400,000 to 600,000	ug/L
	Antimony		1.31	10.0		-10.0 to 10.0	ug/L
	Arsenic		1.16	10.0		-10.0 to 10.0	ug/L
	Barium		1.32	2.00		-2.00 to 2.00	ug/L
	Beryllium		0.00	1.00		-1.00 to 1.00	ug/L
	Cadmium		0.48	1.00		-1.00 to 1.00	ug/L
	Calcium	500000	478,500.00	75.0	95.7	400,000 to 600,000	ug/L
	Chromium		11.12	5.00		-5.00 to 5.00	ug/L
	Cobalt		0.78	25.0		-25.0 to 25.0	ug/L
	Iron	200000	191,300.00	100	95.6	160,000 to 240,000	ug/L
	Lead		2.28	10.0		-10.0 to 10.0	ug/L
	Magnesium	500000	507,200.00	150	101	400,000 to 600,000	ug/L
	Manganese		-1.17	2.50		-2.50 to 2.50	ug/L
	Nickel		-2.00	5.00		-5.00 to 5.00	ug/L
	Potassium		-159.60	500		-500 to 500	ug/L
	Selenium		-11.20	20.0		-20.0 to 20.0	ug/L
	Silver		-0.25	5.00		-5.00 to 5.00	ug/L
	Sodium		-286.10	500		-500 to 500	ug/L
	Thallium		-2.17	10.0		-10.0 to 10.0	ug/L
	Vanadium		-0.27	5.00		-5.00 to 5.00	ug/L
	Zinc		-3.95	15.0		-15.0 to 15.0	ug/L

ICP INTERFERENCE CHECK SAMPLE

SW-846 6010D

Laboratory: York Analytical Laboratories- Toms River
SDG: T5H0412
Client: Kenny Environmental Services
Project: Tom Olivieri Park
Instrument ID: ICAP#1
Calibration: 08/18/25
Sequence: TH50285

Lab Sample ID	Analyte	True	Found	RL	% Rec	Acceptance Criteria	Units
TH50285-IFB1	Aluminum		92.66	150		-150 to 150	ug/L
	Antimony		2.78	10.0		-10.0 to 10.0	ug/L
	Arsenic		6.27	10.0		-10.0 to 10.0	ug/L
	Barium		0.14	2.00		-2.00 to 2.00	ug/L
	Beryllium		-0.01	1.00		-1.00 to 1.00	ug/L
	Cadmium		0.44	1.00		-1.00 to 1.00	ug/L
	Calcium		40.79	75.0		-75.0 to 75.0	ug/L
	Chromium	10000	10,370.00	5.00	104	8,000 to 12,000	ug/L
	Cobalt	5000	5,491.00	25.0	110	4,000 to 6,000	ug/L
	Iron		7.47	100		-100 to 100	ug/L
	Lead		3.02	10.0		-10.0 to 10.0	ug/L
	Magnesium		15.78	150		-150 to 150	ug/L
	Manganese	10000	10,020.00	2.50	100	8,000 to 12,000	ug/L
	Nickel	5000	5,497.00	5.00	110	4,000 to 6,000	ug/L
	Potassium		-46.27	500		-500 to 500	ug/L
	Selenium		9.72	20.0		-20.0 to 20.0	ug/L
	Silver		0.91	5.00		-5.00 to 5.00	ug/L
	Sodium		-368.50	500		-500 to 500	ug/L
	Thallium		-0.45	10.0		-10.0 to 10.0	ug/L
	Vanadium	5000	5,131.00	5.00	103	4,000 to 6,000	ug/L
	Zinc	5000	5,107.00	15.0	102	4,000 to 6,000	ug/L

ICP INTERFERENCE CHECK SAMPLE

SW-846 6010D

Laboratory: York Analytical Laboratories- Toms River

SDG: T5H0412

Client: Kenny Environmental Services

Project: Tom Olivieri Park

Instrument ID: ICAP#1

Calibration: 08/18/25

Sequence: TH50285

* Values outside of QC limits

Metals Linear Dynamic Range

SW-846 6010D

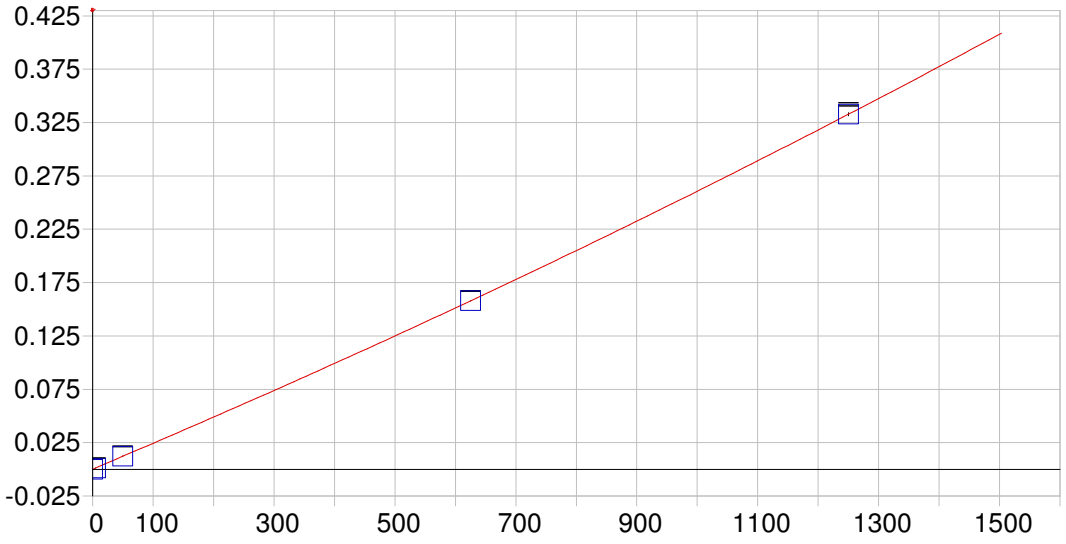
Laboratory: York Analytical Laboratories- Toms River
SDG: T5H0412
Client: Kenny Environmental Services
Project: Tom Olivieri Park
Instrument: ICAP#1

CAS NO.	Analyte	Concentration mg/kg dry
7429-90-5	Aluminum	12500
7440-36-0	Antimony	100
7440-38-2	Arsenic	500
7440-39-3	Barium	1000
7440-41-7	Beryllium	100
7440-43-9	Cadmium	250
7440-70-2	Calcium	12500
7440-47-3	Chromium	500
7440-48-4	Cobalt	250
7439-89-6	Iron	10000
7439-92-1	Lead	1000
7439-95-4	Magnesium	12500
7439-96-5	Manganese	500
7440-02-0	Nickel	250
7440-09-7	Potassium	5000
7782-49-2	Selenium	1000
7440-22-4	Silver	125
7440-23-5	Sodium	12500
7440-28-0	Thallium	500
7440-62-2	Vanadium	250
7440-66-6	Zinc	250

FORM VI INITIAL CALIBRATION DATA

SW-846 6010D

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Project:	Tom Olivieri Park
Sequence:	TH50285		

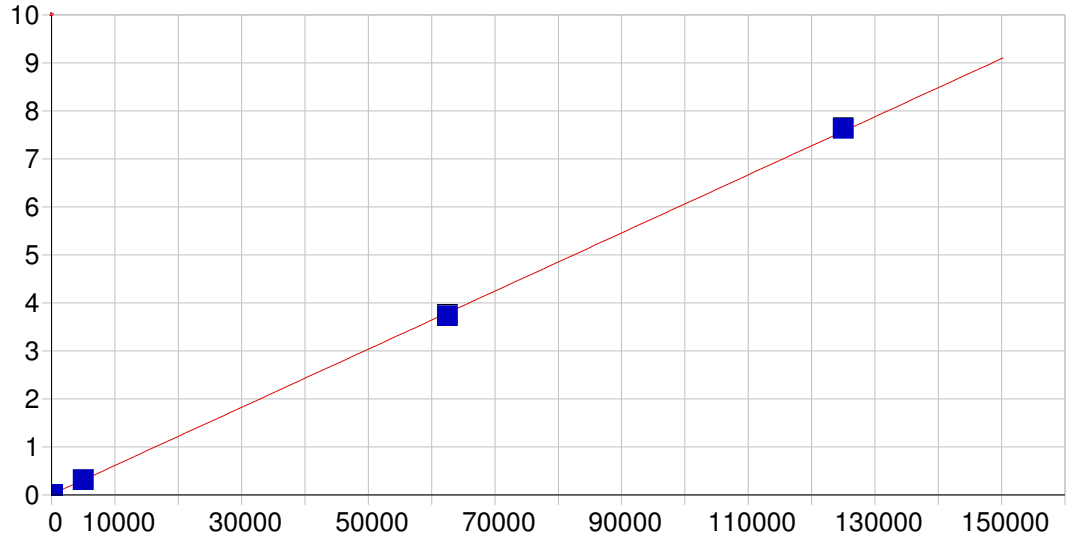


Ag 328.068 {103}

Date of Fit:	8/18/2025 10:35:10	Type of Fit:	Full Fit	Weighting:	1/Conc

A0 (Offset):	0.000038	Re-Slope:	1.000000
A1 (Gain):	0.000252	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	0.990000		
Correlation:	0.999998	Status:	Warning Positive Curvature
Std Error of Est:	0.000004		
Predicted MDL:	0.504800		
Predicted MQL:	1.682665		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
SEQ-CAL1	.00000	.00017	.000	.000	.00004	.000	1
SEQ-CAL5	1250.0	1250.0	-.043	-.003	.33275	.001	1
SEQ-CAL3	50.000	50.183	.183	.367	.01229	.000	1
SEQ-CAL4	625.00	625.08	.082	.013	.15786	.000	1
SEQ-CAL2	5.0000	4.7879	-.212	-4.24	.00123	.000	1

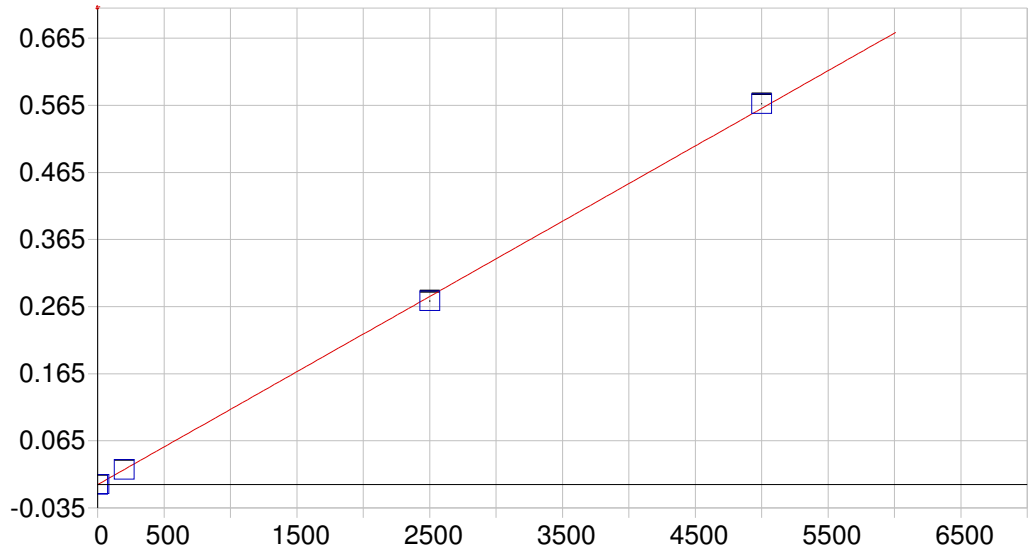


Al 308.215 {109}

Date of Fit:	8/18/2025 10:35:10	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.008047	Re-Slope:	1.000000
A1 (Gain):	0.000061	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999937	Status:	OK.
Std Error of Est:	0.000149		
Predicted MDL:	16.083597		
Predicted MQL:	53.611989		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
SEQ-CAL1	.00000	.00048	.000	.000	.00805	.001	1
SEQ-CAL5	125000.	125930.	934.	.747	7.6406	.006	1
SEQ-CAL3	5000.0	5072.8	72.8	1.46	.31550	.001	1
SEQ-CAL4	62500.	61495.	-1010.	-1.61	3.7352	.027	1
SEQ-CAL2	150.00	148.63	-1.37	-.916	.01706	.001	1

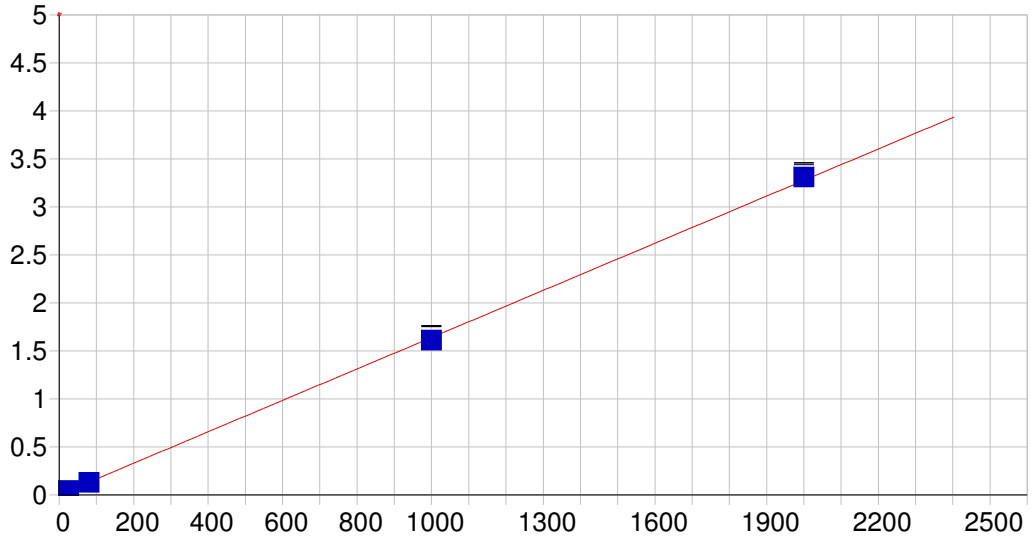


As 189.042 {478}

Date of Fit:	8/18/2025 10:35:10	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000283	Re-Slope:	1.000000
A1 (Gain):	0.000112	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999855	Status:	OK.
Std Error of Est:	0.000022		
Predicted MDL:	2.972166		
Predicted MQL:	9.907222		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
SEQ-CAL1	.00000	.00092	.001	.000	-.00028	.000	1
SEQ-CAL5	5000.0	5061.4	61.4	1.23	.56738	.001	1
SEQ-CAL3	200.00	198.83	-1.17	-.587	.02202	.000	1
SEQ-CAL4	2500.0	2440.5	-59.5	-2.38	.27343	.001	1
SEQ-CAL2	10.000	9.2550	-.745	-7.45	.00076	.000	1

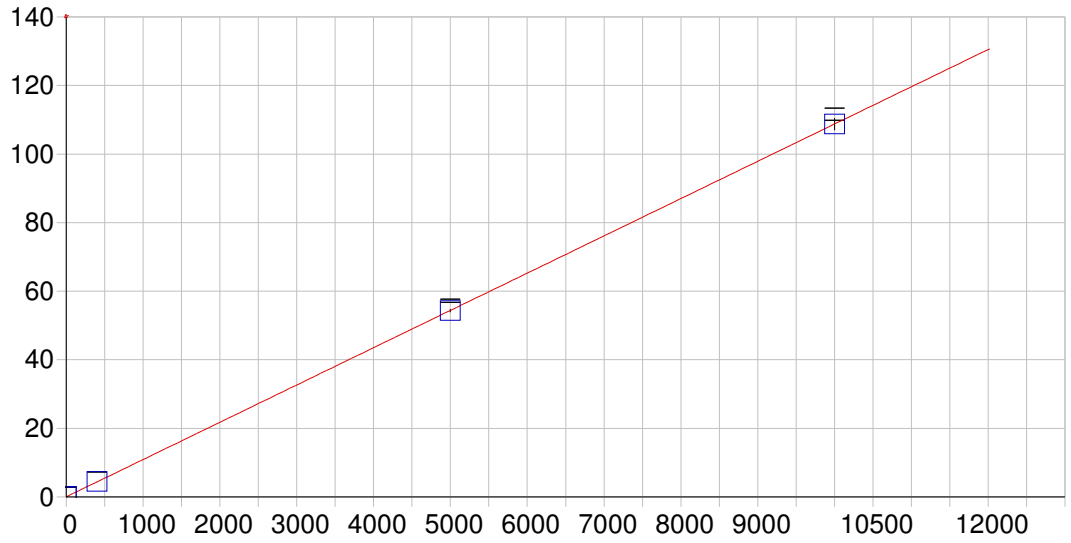


B 249.678 {135}

Date of Fit:	8/18/2025 10:35:10	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.003052	Re-Slope:	1.000000
A1 (Gain):	0.001637	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999889	Status:	OK.
Std Error of Est:	0.000279		
Predicted MDL:	0.992293		
Predicted MQL:	3.307645		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
SEQ-CAL1	.00000	.00130	.001	.000	.00305	.001	1
SEQ-CAL5	2000.0	2021.6	21.6	1.08	3.3303	.028	1
SEQ-CAL3	80.000	76.726	-3.27	-4.09	.12937	.002	1
SEQ-CAL4	1000.0	981.79	-18.2	-1.82	1.6192	.040	1
SEQ-CAL2	25.000	24.905	-.095	-.381	.04385	.002	1

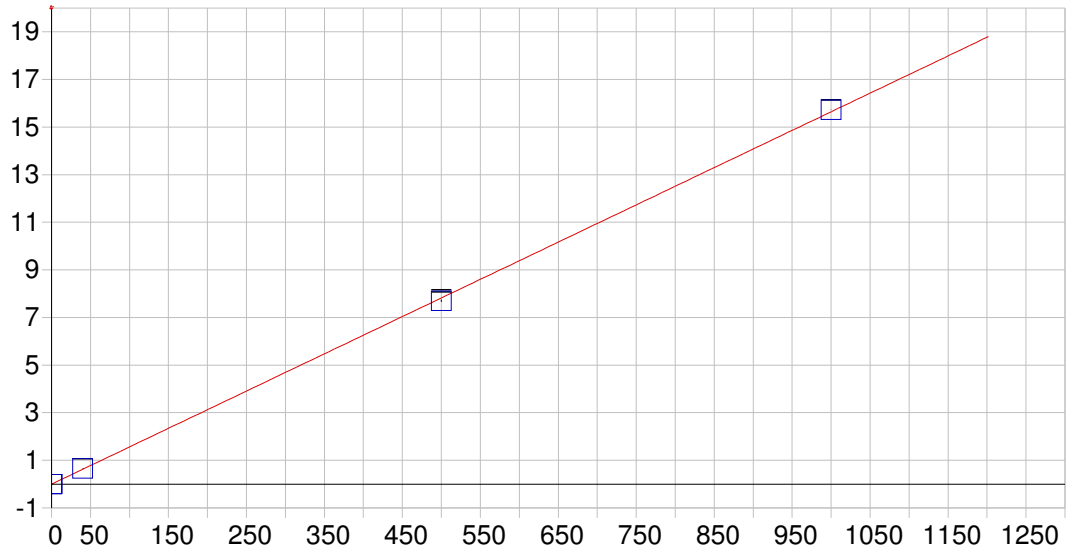


Ba 455.403 { 74}

Date of Fit:	8/18/2025 10:35:10	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.029624	Re-Slope:	1.000000
A1 (Gain):	0.010872	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999997	Status:	OK.
Std Error of Est:	0.000201		
Predicted MDL:	0.183966		
Predicted MQL:	0.613222		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
SEQ-CAL1	.00000	-.00016	-.000	.000	.02962	.001	1
SEQ-CAL5	10000.	9997.5	-2.55	-.025	108.73	1.75	1
SEQ-CAL3	400.00	406.02	6.02	1.51	4.4441	.034	1
SEQ-CAL4	5000.0	4996.4	-3.61	-.072	54.353	.454	1
SEQ-CAL2	2.0000	2.1332	.133	6.66	.05282	.001	1

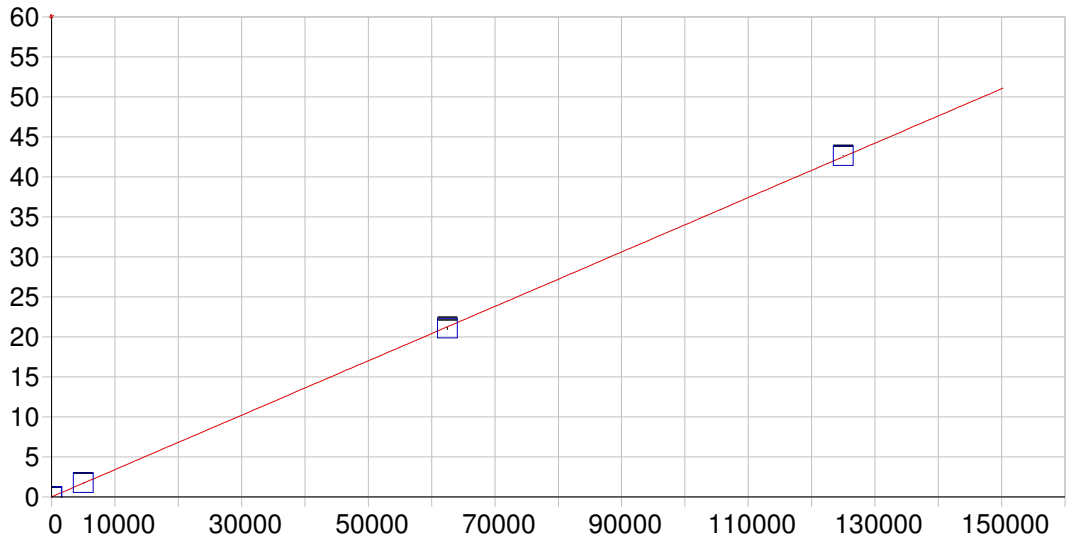


Be 313.042 {108}

Date of Fit:	8/18/2025 10:35:10	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.002560	Re-Slope:	1.000000
A1 (Gain):	0.015646	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999927	Status:	OK.
Std Error of Est:	0.000304		
Predicted MDL:	0.057926		
Predicted MQL:	0.193085		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
SEQ-CAL1	.00000	-.00010	-.000	.000	-.00256	.000	1
SEQ-CAL5	1000.0	1005.6	5.62	.562	15.731	.009	1
SEQ-CAL3	40.000	41.787	1.79	4.47	.65123	.004	1
SEQ-CAL4	500.00	492.53	-7.47	-1.49	7.7036	.044	1
SEQ-CAL2	1.0000	1.0603	.060	6.03	.01403	.000	1

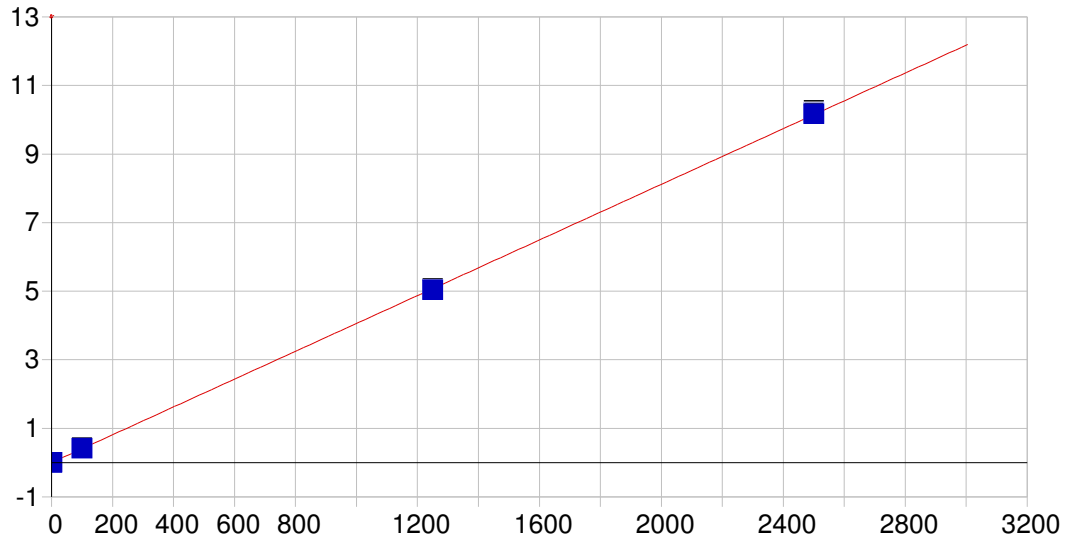


Ca 317.933 {106}

Date of Fit:	8/18/2025 10:35:10	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.009999	Re-Slope:	1.000000
A1 (Gain):	0.000340	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999967	Status:	OK.
Std Error of Est:	0.000429		
Predicted MDL:	2.650691		
Predicted MQL:	8.835638		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
SEQ-CAL1	.00000	-.00579	-.006	.000	.01000	.002	1
SEQ-CAL5	125000.	125410.	411.	.329	42.658	.063	1
SEQ-CAL3	5000.0	5169.7	170.	3.39	1.7680	.006	1
SEQ-CAL4	62500.	61915.	-585.	-.936	21.065	.181	1
SEQ-CAL2	75.000	78.695	3.70	4.93	.03676	.001	1

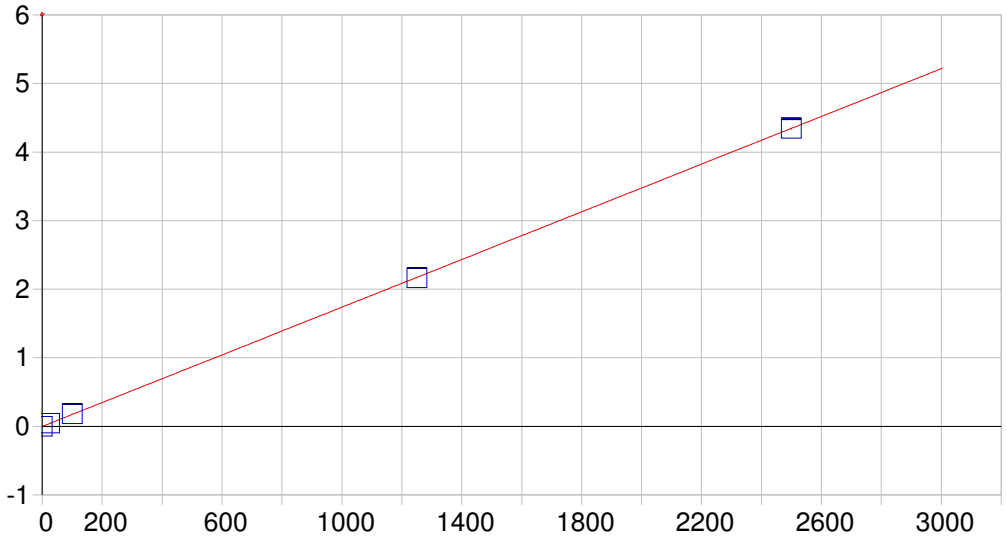


Cd 226.502 {449}

Date of Fit:	8/18/2025 10:35:10	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000273	Re-Slope:	1.000000
A1 (Gain):	0.004059	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999976	Status:	OK.
Std Error of Est:	0.000071		
Predicted MDL:	0.133337		
Predicted MQL:	0.444457		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
SEQ-CAL1	.00000	-.00014	-.000	.000	-.00027	.000	1
SEQ-CAL5	2500.0	2506.0	6.03	.241	10.219	.050	1
SEQ-CAL3	100.00	103.01	3.01	3.01	.41972	.001	1
SEQ-CAL4	1250.0	1240.9	-9.15	-.732	5.0599	.013	1
SEQ-CAL2	1.0000	1.1101	.110	11.0	.00428	.000	1

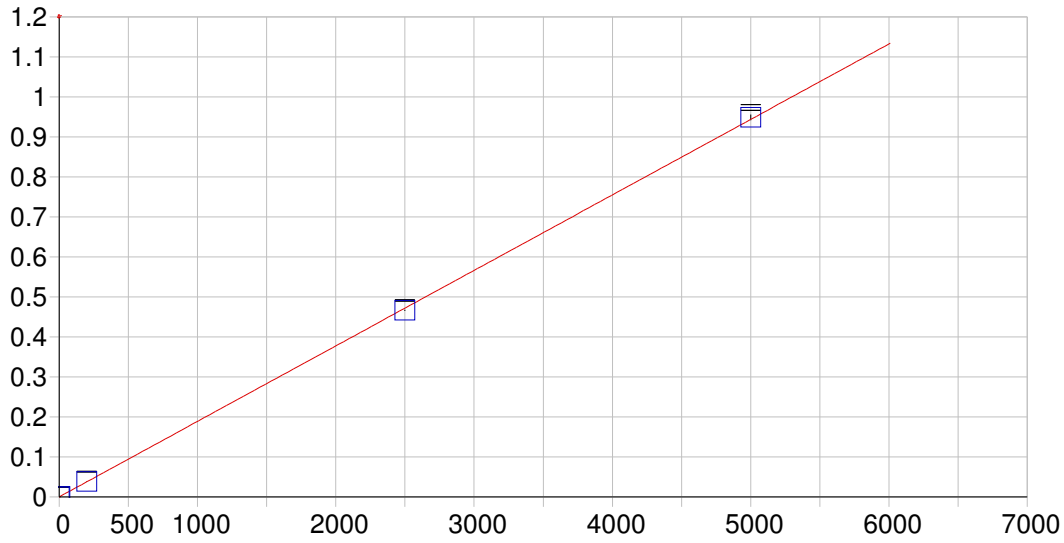


Co 228.616 {447}

Date of Fit:	8/18/2025 10:35:10	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.001525	Re-Slope:	1.000000
A1 (Gain):	0.001739	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999939	Status:	OK.
Std Error of Est:	0.000245		
Predicted MDL:	0.271592		
Predicted MQL:	0.905308		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
SEQ-CAL1	.00000	-.00294	-.003	.000	-.00153	.000	1
SEQ-CAL5	2500.0	2497.7	-2.32	-.093	4.3417	.013	1
SEQ-CAL3	100.00	105.92	5.92	5.92	.18266	.001	1
SEQ-CAL4	1250.0	1244.8	-5.19	-.415	2.1631	.004	1
SEQ-CAL2	25.000	26.591	1.59	6.36	.04471	.000	1

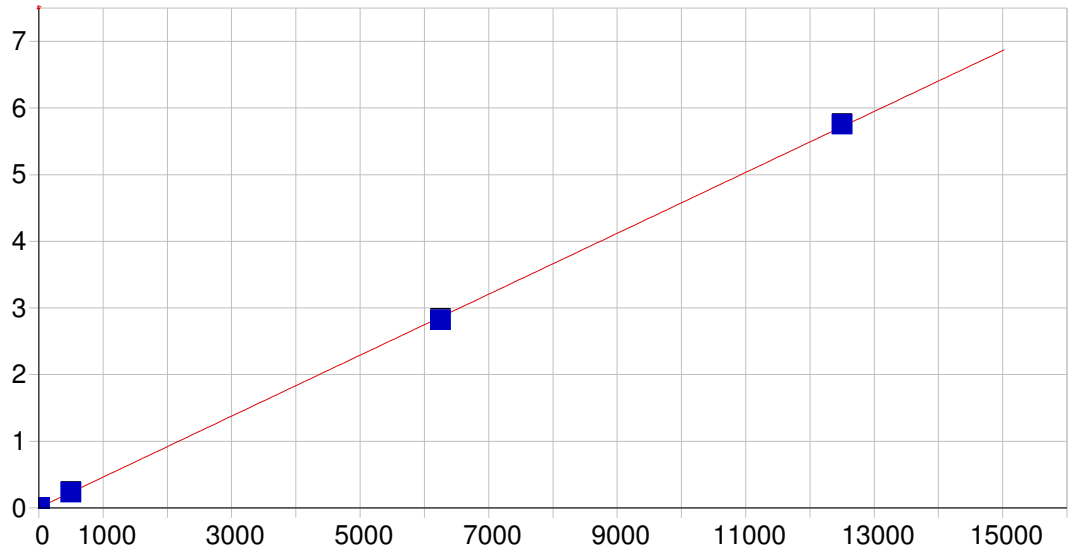


Cr 267.716 {126}

Date of Fit:	8/18/2025 10:35:10	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000129	Re-Slope:	1.000000
A1 (Gain):	0.000189	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999968	Status:	OK.
Std Error of Est:	0.000012		
Predicted MDL:	0.339326		
Predicted MQL:	1.131086		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
SEQ-CAL1	.00000	-.00005	-.000	.000	.00013	.000	1
SEQ-CAL5	5000.0	5026.4	26.4	.529	.94869	.007	1
SEQ-CAL3	200.00	202.34	2.34	1.17	.03831	.001	1
SEQ-CAL4	2500.0	2471.2	-28.8	-1.15	.46648	.002	1
SEQ-CAL2	5.0000	5.0255	.026	.510	.00108	.000	1

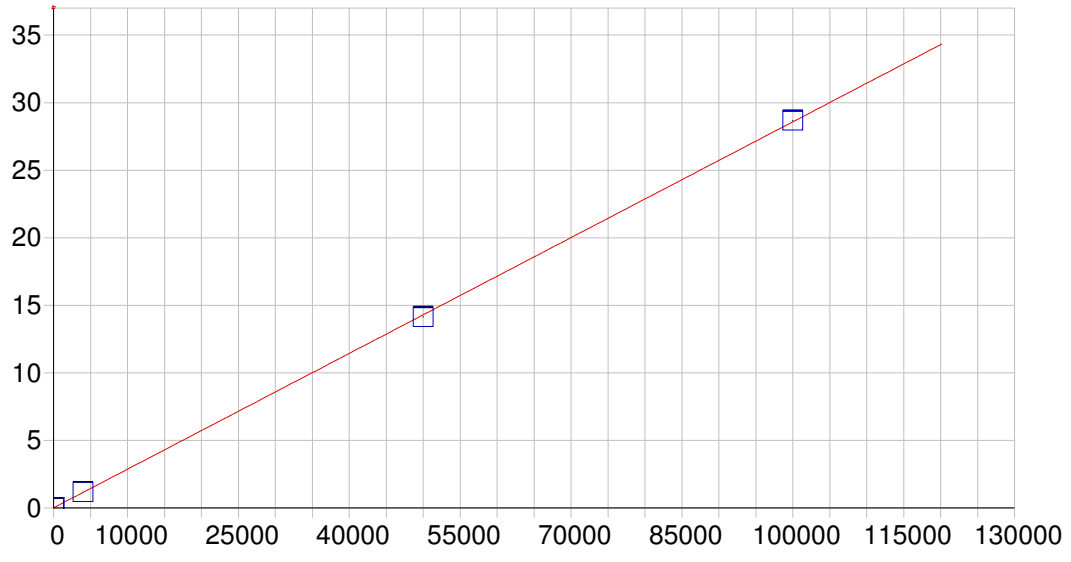


Cu 324.754 {104}

Date of Fit:	8/18/2025 10:35:10	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.005240	Re-Slope:	1.000000
A1 (Gain):	0.000457	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999953	Status:	OK.
Std Error of Est:	0.000079		
Predicted MDL:	2.366823		
Predicted MQL:	7.889411		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
SEQ-CAL1	.00000	.00075	.001	.000	.00524	.000	1
SEQ-CAL5	12500.	12577.	76.5	.612	5.7558	.005	1
SEQ-CAL3	500.00	508.15	8.15	1.63	.23759	.002	1
SEQ-CAL4	6250.0	6166.2	-83.8	-1.34	2.8247	.015	1
SEQ-CAL2	10.000	9.1552	-.845	-8.45	.00943	.001	1

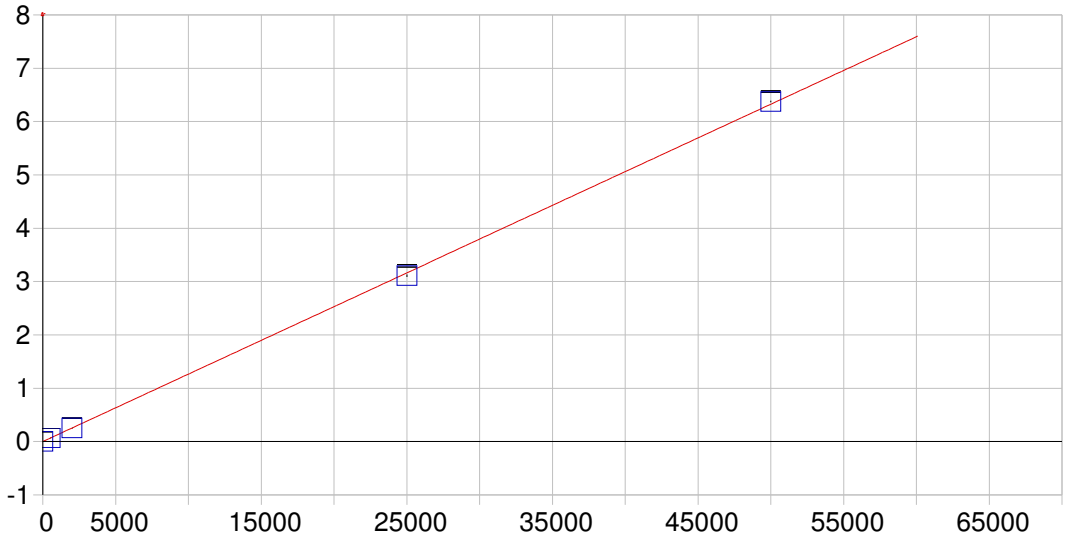


Fe 259.940 {130}

Date of Fit:	8/18/2025 10:35:10	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.007936	Re-Slope:	1.000000
A1 (Gain):	0.000286	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999958	Status:	OK.
Std Error of Est:	0.000420		
Predicted MDL:	1.973126		
Predicted MQL:	6.577088		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
SEQ-CAL1	.00000	.00096	.001	.000	.00794	.001	1
SEQ-CAL5	100000.	100370.	369.	.369	28.683	.038	1
SEQ-CAL3	4000.0	4155.6	156.	3.89	1.1952	.004	1
SEQ-CAL4	50000.	49480.	-520.	-1.04	14.144	.055	1
SEQ-CAL2	100.00	95.824	-4.18	-4.18	.03531	.000	1

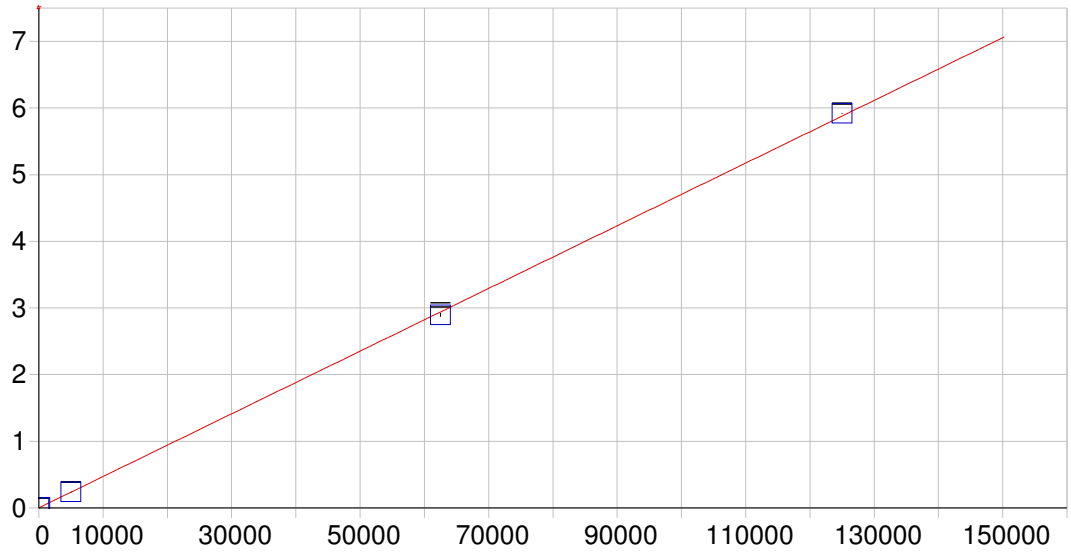


K 766.490 { 44}

Date of Fit:	8/18/2025 10:35:10	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001791	Re-Slope:	1.000000
A1 (Gain):	0.000126	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999930	Status:	OK.
Std Error of Est:	0.000381		
Predicted MDL:	31.331096		
Predicted MQL:	104.436987		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
SEQ-CAL1	.00000	-.00896	-.009	.000	.00179	.006	1
SEQ-CAL5	50000.	50411.	411.	.822	6.3765	.016	1
SEQ-CAL3	2000.0	1994.7	-5.33	-.266	.25403	.002	1
SEQ-CAL4	25000.	24580.	-420.	-1.68	3.1100	.024	1
SEQ-CAL2	500.00	514.59	14.6	2.92	.06686	.001	1

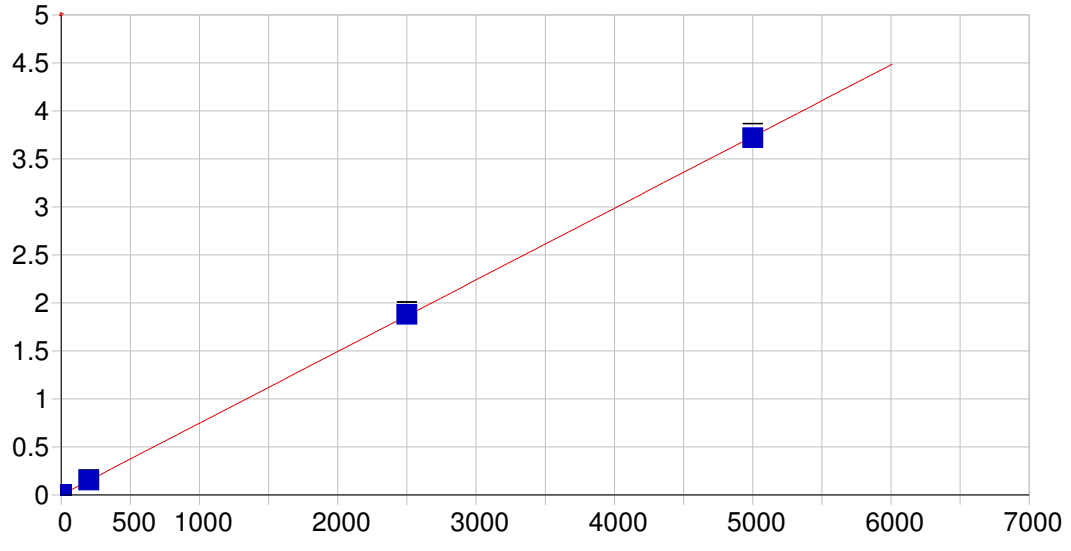


Mg 279.079 {121}

Date of Fit:	8/18/2025 10:35:10	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000523	Re-Slope:	1.000000
A1 (Gain):	0.000047	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999938	Status:	OK.
Std Error of Est:	0.000115		
Predicted MDL:	14.987130		
Predicted MQL:	49.957100		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
SEQ-CAL1	.00000	.00941	.009	.000	.00052	.000	1
SEQ-CAL5	125000.	125820.	823.	.658	5.9184	.006	1
SEQ-CAL3	5000.0	5128.3	128.	2.57	.24172	.000	1
SEQ-CAL4	62500.	61561.	-939.	-1.50	2.8959	.031	1
SEQ-CAL2	150.00	138.01	-12.0	-7.99	.00701	.000	1

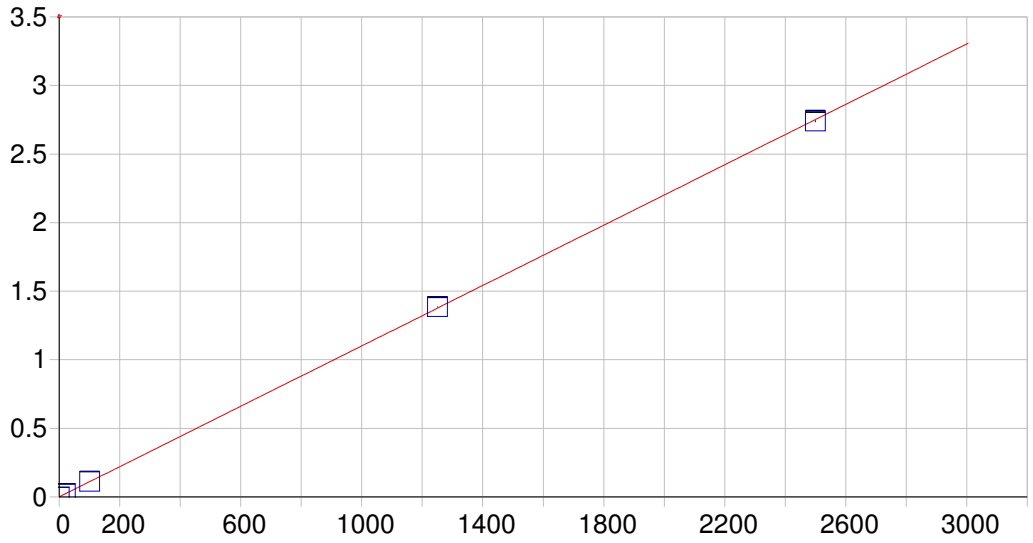


Mn 257.610 {131}

Date of Fit:	8/18/2025 10:35:10	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000833	Re-Slope:	1.000000
A1 (Gain):	0.000746	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999985	Status:	OK.
Std Error of Est:	0.000023		
Predicted MDL:	0.067581		
Predicted MQL:	0.225271		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
SEQ-CAL1	.00000	.00017	.000	.000	.00083	.000	1
SEQ-CAL5	5000.0	4981.2	-18.8	-.377	3.7212	.046	1
SEQ-CAL3	200.00	202.67	2.67	1.34	.15220	.004	1
SEQ-CAL4	2500.0	2516.4	16.4	.655	1.8803	.028	1
SEQ-CAL2	2.5000	2.2943	-.206	-8.23	.00255	.000	1

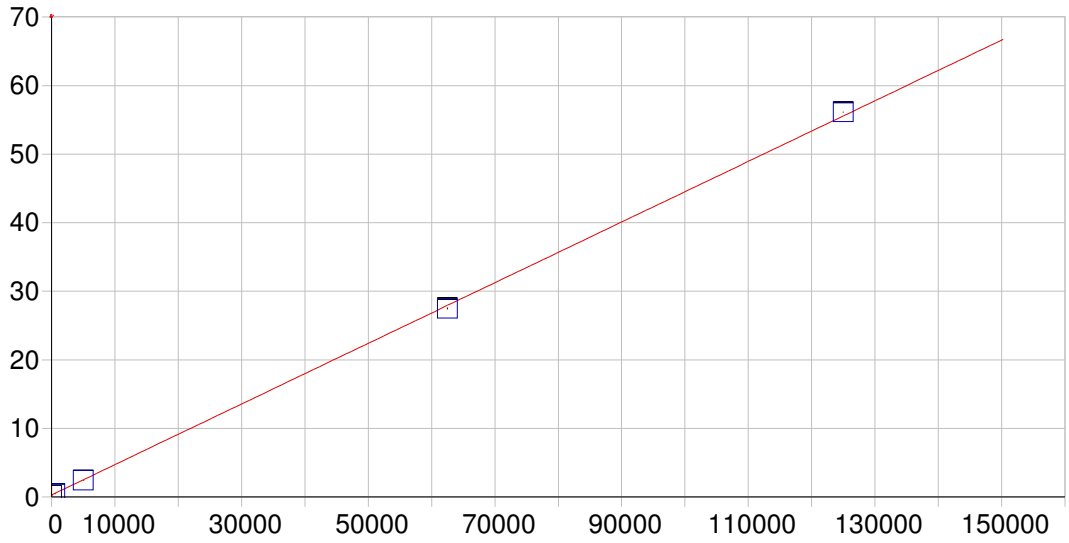


Mo 202.030 {467}

Date of Fit:	8/18/2025 10:35:10	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000497	Re-Slope:	1.000000
A1 (Gain):	0.001101	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999980	Status:	OK.
Std Error of Est:	0.000079		
Predicted MDL:	0.345999		
Predicted MQL:	1.153331		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
SEQ-CAL1	.00000	-.00061	-.001	.000	.00050	.000	1
SEQ-CAL5	2500.0	2489.1	-10.9	-.436	2.7401	.007	1
SEQ-CAL3	100.00	102.24	2.24	2.24	.11303	.001	1
SEQ-CAL4	1250.0	1258.5	8.53	.683	1.3857	.003	1
SEQ-CAL2	20.000	20.114	.114	.571	.02264	.000	1

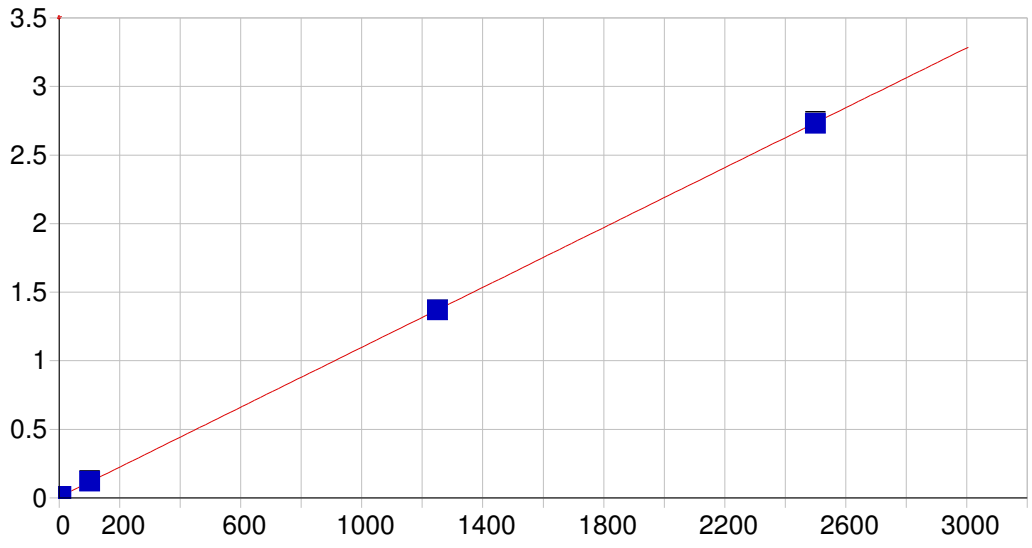


Na 589.592 { 57}

Date of Fit:	8/18/2025 10:35:10	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.285255	Re-Slope:	1.000000
A1 (Gain):	0.000442	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999836	Status:	OK.
Std Error of Est:	0.003210		
Predicted MDL:	6.981670		
Predicted MQL:	23.272234		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
SEQ-CAL1	.00000	.14040	.140	.000	.28532	.014	1
SEQ-CAL5	125000.	126260.	1260.	1.01	56.132	.079	1
SEQ-CAL3	5000.0	4864.7	-135.	-2.71	2.4369	.011	1
SEQ-CAL4	62500.	61497.	-1000.	-1.61	27.485	.143	1
SEQ-CAL2	500.00	376.11	-124.	-24.8	.45161	.007	1

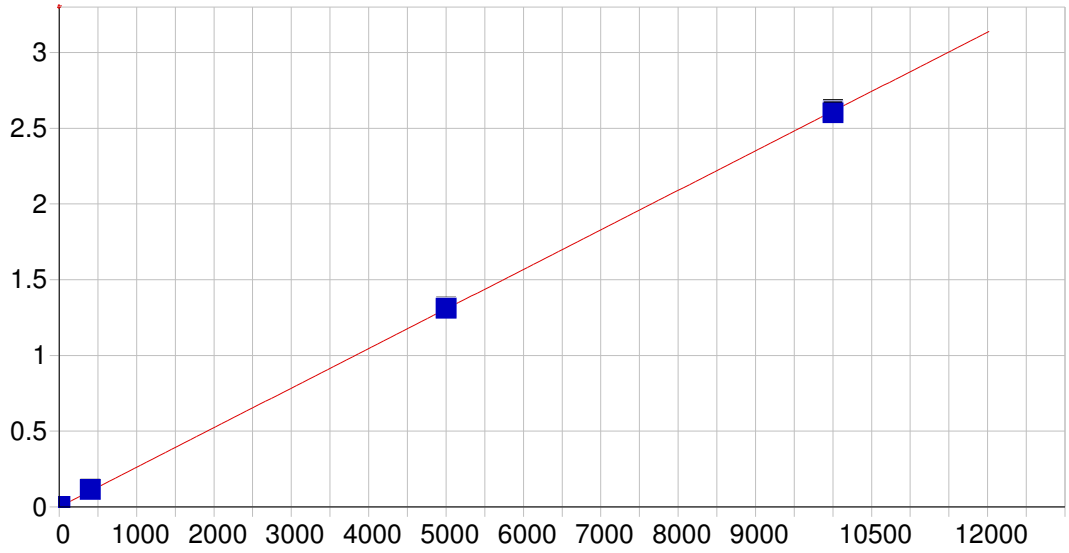


Ni 231.604 {446}

Date of Fit:	8/18/2025 10:35:10	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.006472	Re-Slope:	1.000000
A1 (Gain):	0.001092	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999952	Status:	OK.
Std Error of Est:	0.000061		
Predicted MDL:	0.453385		
Predicted MQL:	1.511284		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
SEQ-CAL1	.00000	-.00028	-.000	.000	.00647	.000	1
SEQ-CAL5	2500.0	2495.6	-4.40	-.176	2.7354	.008	1
SEQ-CAL3	100.00	106.02	6.02	6.02	.12239	.001	1
SEQ-CAL4	1250.0	1248.4	-1.62	-.129	1.3716	.002	1
SEQ-CAL2	5.0000	4.9970	-.003	-.060	.01193	.000	1

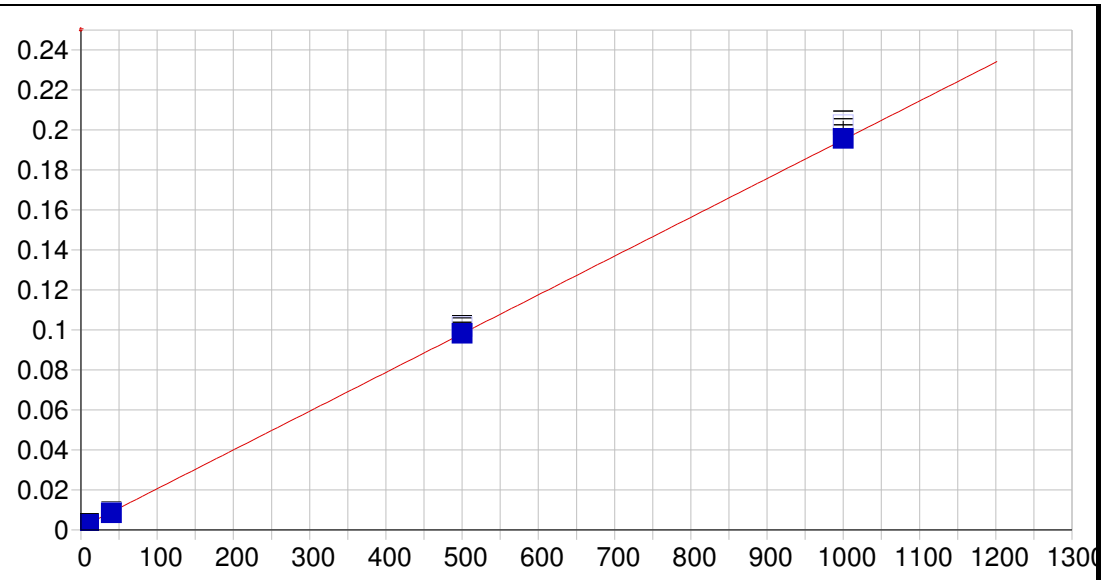


Pb 220.353 {453}

Date of Fit:	8/18/2025 10:35:10	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001080	Re-Slope:	1.000000
A1 (Gain):	0.000261	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999896	Status:	OK.
Std Error of Est:	0.000061		
Predicted MDL:	1.758795		
Predicted MQL:	5.862650		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
SEQ-CAL1	.00000	-.00187	-.002	.000	.00108	.000	1
SEQ-CAL5	10000.	9953.1	-46.9	-.469	2.6150	.006	1
SEQ-CAL3	400.00	433.96	34.0	8.49	.11499	.001	1
SEQ-CAL4	5000.0	5011.9	11.9	.237	1.3172	.001	1
SEQ-CAL2	10.000	11.049	1.05	10.5	.00403	.000	1

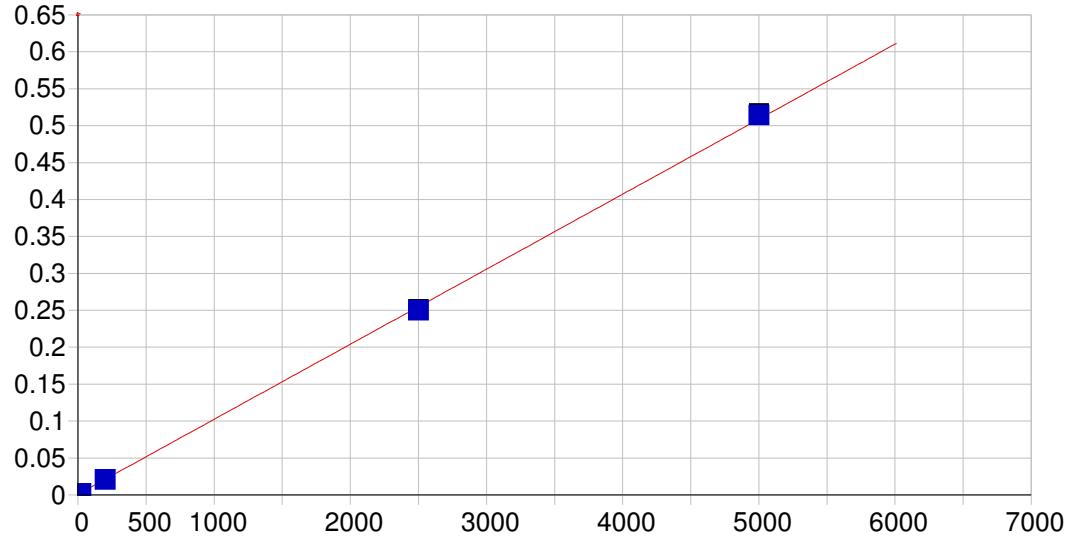


Sb 206.833 {463}

Date of Fit:	8/18/2025 10:35:10	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001203	Re-Slope:	1.000000
A1 (Gain):	0.000194	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999895	Status:	OK.
Std Error of Est:	0.000015		
Predicted MDL:	2.361846		
Predicted MQL:	7.872820		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
SEQ-CAL1	.00000	.00190	.002	.000	.00120	.000	1
SEQ-CAL5	1000.0	1003.4	3.35	.335	.20261	.002	1
SEQ-CAL3	40.000	37.403	-2.60	-6.49	.00873	.000	1
SEQ-CAL4	500.00	500.50	.501	.100	.10168	.001	1
SEQ-CAL2	10.000	8.7043	-1.30	-13.0	.00290	.000	1

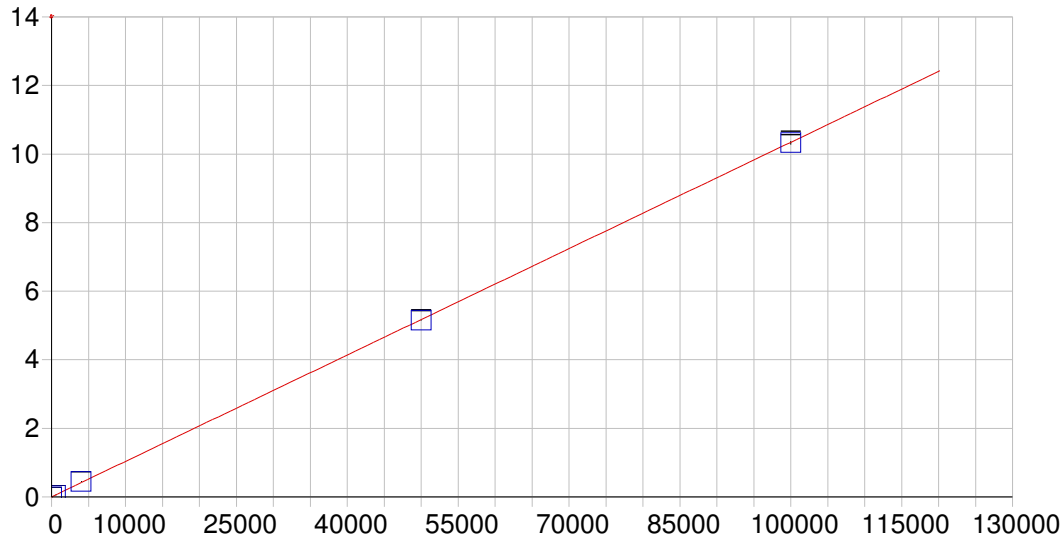


Se 196.090 {472}

Date of Fit:	8/18/2025 10:35:10	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000821	Re-Slope:	1.000000
A1 (Gain):	0.000102	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999850	Status:	OK.
Std Error of Est:	0.000028		
Predicted MDL:	3.310692		
Predicted MQL:	11.035639		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
SEQ-CAL1	.00000	.00450	.005	.000	.00082	.000	1
SEQ-CAL5	5000.0	5054.7	54.7	1.09	.51345	.002	1
SEQ-CAL3	200.00	194.69	-5.31	-2.66	.02056	.000	1
SEQ-CAL4	2500.0	2454.5	-45.5	-1.82	.24973	.001	1
SEQ-CAL2	20.000	16.176	-3.82	-19.1	.00246	.000	1

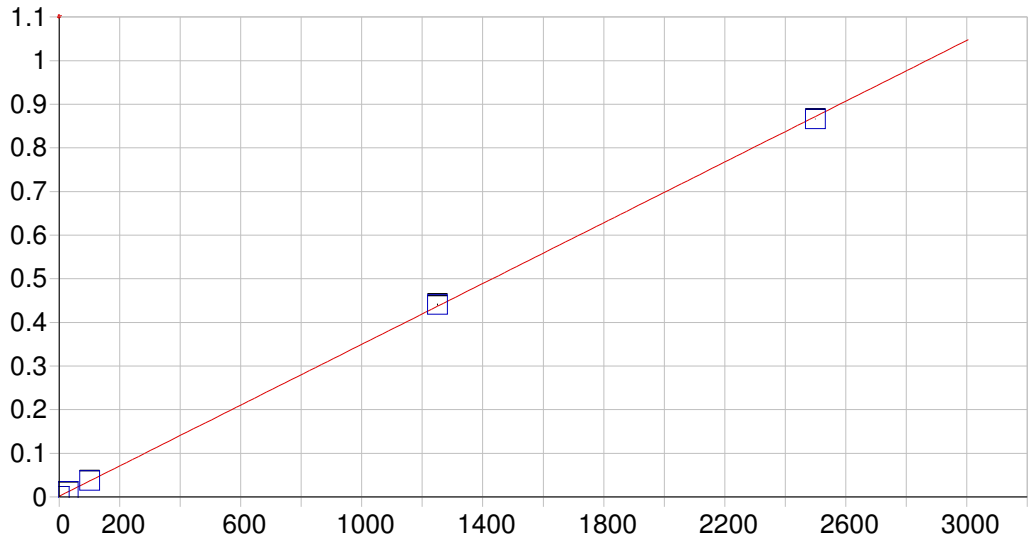


Si 251.611 {134}

Date of Fit:	8/18/2025 10:35:10	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.002327	Re-Slope:	1.000000
A1 (Gain):	0.000103	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999928	Status:	OK.
Std Error of Est:	0.000444		
Predicted MDL:	5.404268		
Predicted MQL:	18.014227		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
SEQ-CAL1	.00000	-.05331	-.053	.000	.00232	.001	1
SEQ-CAL5	100000.	99883.	-117.	-.117	10.331	.051	1
SEQ-CAL2	500.00	520.03	20.0	4.01	.05610	.000	1
SEQ-CAL3	4000.0	4286.1	286.	7.15	.44553	.000	1
SEQ-CAL4	50000.	49811.	-189.	-.378	5.1530	.014	1

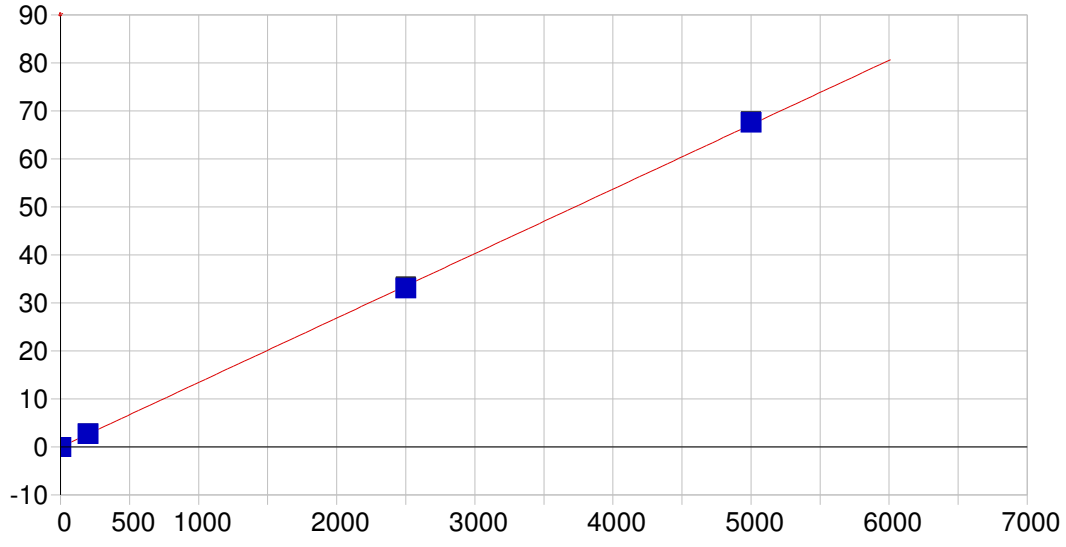


Sn 189.989 {477}

Date of Fit:	8/18/2025 10:35:10	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001487	Re-Slope:	1.000000
A1 (Gain):	0.000348	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999947	Status:	OK.
Std Error of Est:	0.000050		
Predicted MDL:	1.020865		
Predicted MQL:	3.402882		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
SEQ-CAL1	.00000	-.00240	-.002	.000	.00149	.000	1
SEQ-CAL5	2500.0	2483.4	-16.6	-.665	.86626	.001	1
SEQ-CAL3	100.00	103.92	3.92	3.92	.03768	.000	1
SEQ-CAL4	1250.0	1261.5	11.5	.923	.44078	.002	1
SEQ-CAL2	30.000	31.149	1.15	3.83	.01233	.000	1

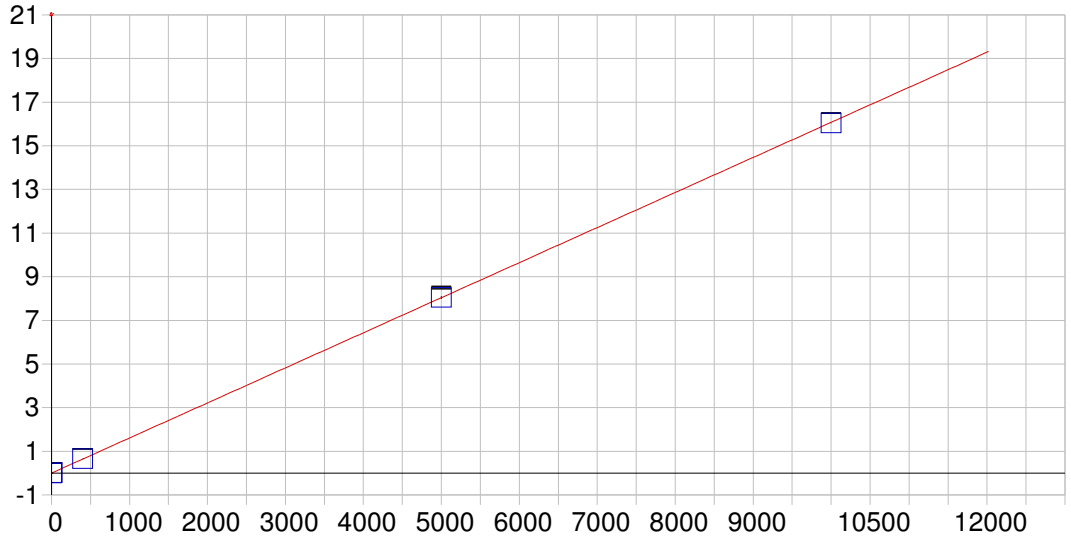


Sr 421.552 { 80}

Date of Fit:	8/18/2025 10:35:10	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.003314	Re-Slope:	1.000000
A1 (Gain):	0.013426	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999944	Status:	OK.
Std Error of Est:	0.000803		
Predicted MDL:	0.126187		
Predicted MQL:	0.420622		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
SEQ-CAL1	.00000	.00014	.000	.000	-.00331	.000	1
SEQ-CAL5	5000.0	5036.1	36.1	.722	67.634	.116	1
SEQ-CAL3	200.00	201.88	1.88	.941	2.7080	.011	1
SEQ-CAL4	2500.0	2462.1	-37.9	-1.51	33.065	.198	1
SEQ-CAL2	2.5000	2.3586	-.141	-5.65	.02837	.001	1

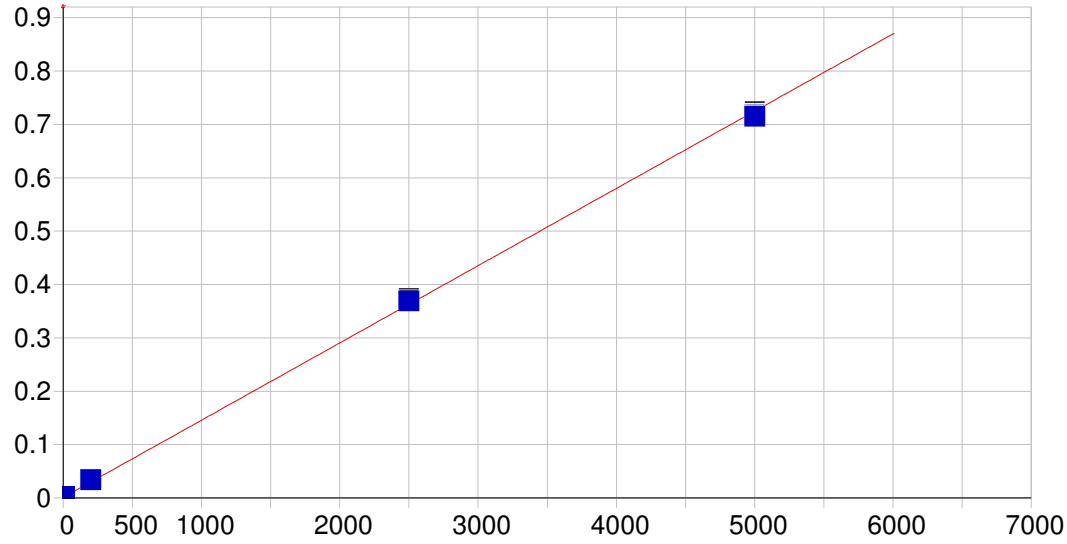


Ti 334.941 {101}

Date of Fit:	8/18/2025 10:35:10	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000992	Re-Slope:	1.000000
A1 (Gain):	0.001607	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999987	Status:	OK.
Std Error of Est:	0.000129		
Predicted MDL:	0.710063		
Predicted MQL:	2.366878		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
SEQ-CAL1	.00000	-.00068	-.001	.000	.00099	.001	1
SEQ-CAL5	10000.	9978.0	-22.0	-.220	16.040	.018	1
SEQ-CAL3	400.00	410.91	10.9	2.73	.66151	.001	1
SEQ-CAL4	5000.0	5010.7	10.7	.214	8.0555	.059	1
SEQ-CAL2	10.000	10.413	.413	4.13	.01773	.001	1

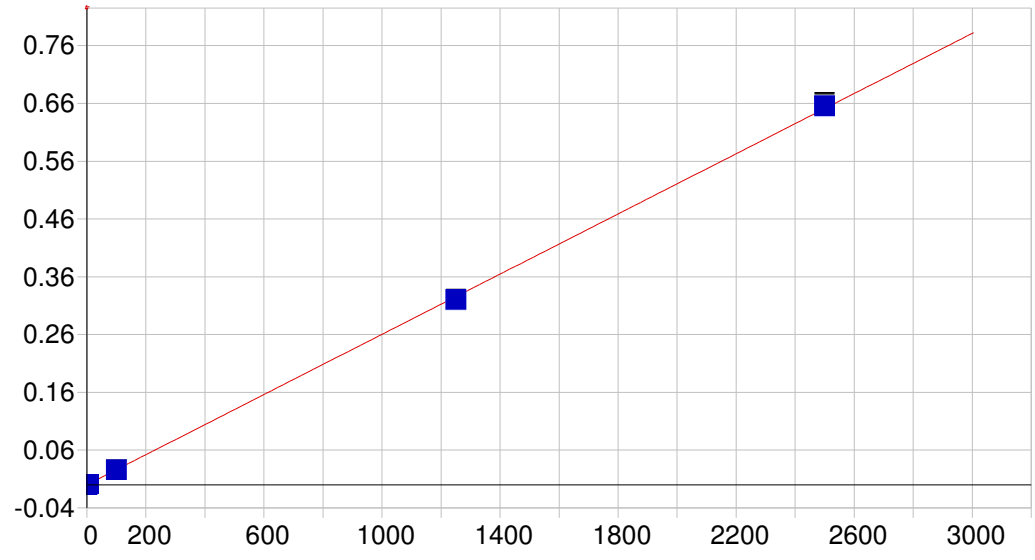


Tl 190.856 {477}

Date of Fit:	8/18/2025 10:35:10	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000865	Re-Slope:	1.000000
A1 (Gain):	0.000145	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999662	Status:	OK.
Std Error of Est:	0.000043		
Predicted MDL:	2.912437		
Predicted MQL:	9.708122		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
SEQ-CAL1	.00000	-.00343	-.003	.000	.00086	.000	1
SEQ-CAL5	5000.0	4930.4	-69.6	-1.39	.71908	.004	1
SEQ-CAL3	200.00	224.97	25.0	12.5	.03361	.000	1
SEQ-CAL4	2500.0	2542.5	42.5	1.70	.37116	.002	1
SEQ-CAL2	10.000	12.152	2.15	21.5	.00265	.000	1

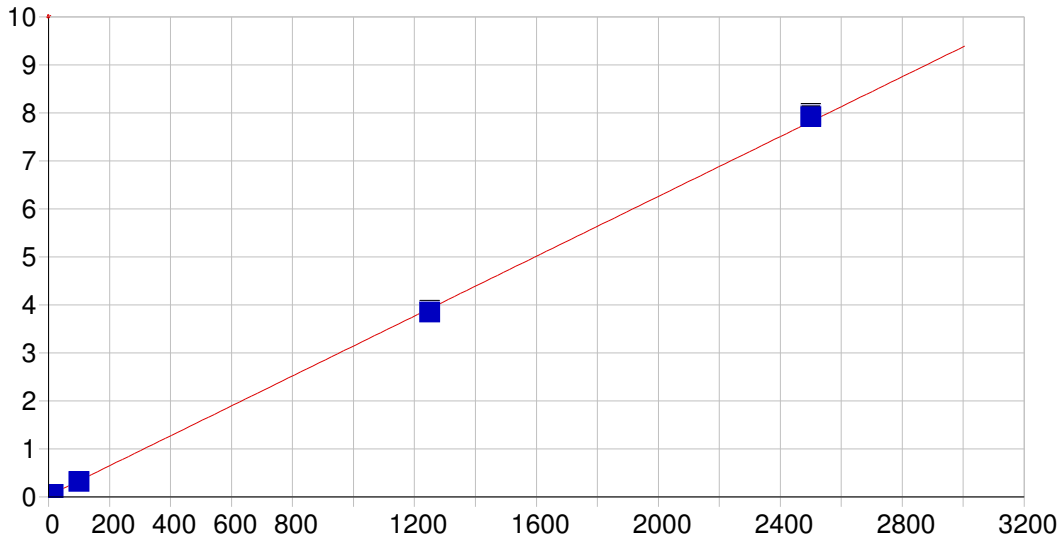


V 292.402 {115}

Date of Fit:	8/18/2025 10:35:10	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000013	Re-Slope:	1.000000
A1 (Gain):	0.000260	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999940	Status:	OK.
Std Error of Est:	0.000016		
Predicted MDL:	0.273661		
Predicted MQL:	0.912203		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
SEQ-CAL1	.00000	.00000	.000	.000	.00001	.000	1
SEQ-CAL5	2500.0	2519.5	19.5	.779	.65387	.005	1
SEQ-CAL3	100.00	100.02	.025	.025	.02597	.001	1
SEQ-CAL4	1250.0	1230.5	-19.5	-1.56	.31932	.000	1
SEQ-CAL2	5.0000	5.0341	.034	.683	.00131	.000	1

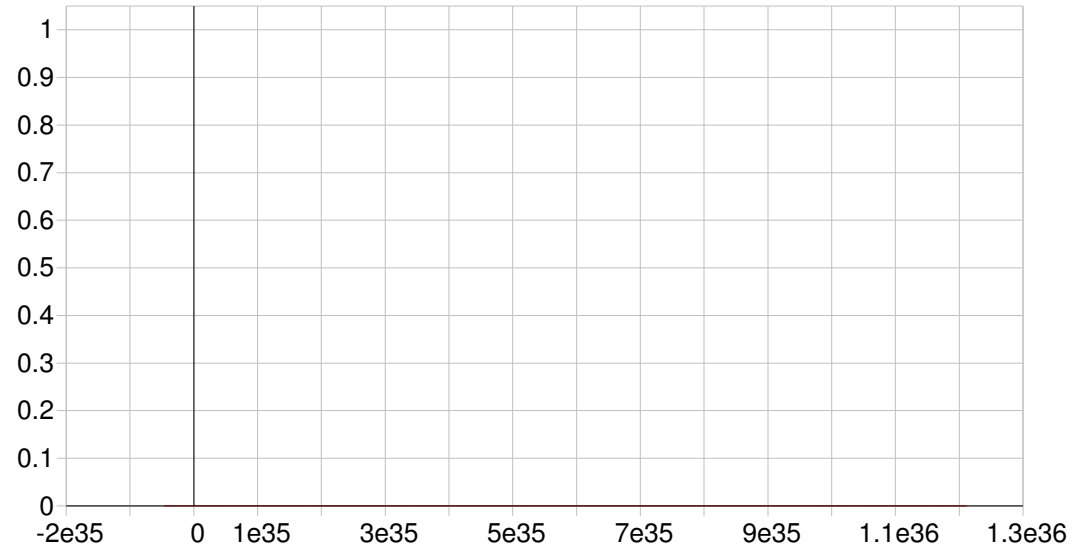


Zn 213.856 {458}

Date of Fit:	8/18/2025 10:35:10	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.025967	Re-Slope:	1.000000
A1 (Gain):	0.003117	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999732	Status:	OK.
Std Error of Est:	0.000712		
Predicted MDL:	0.126254		
Predicted MQL:	0.420848		

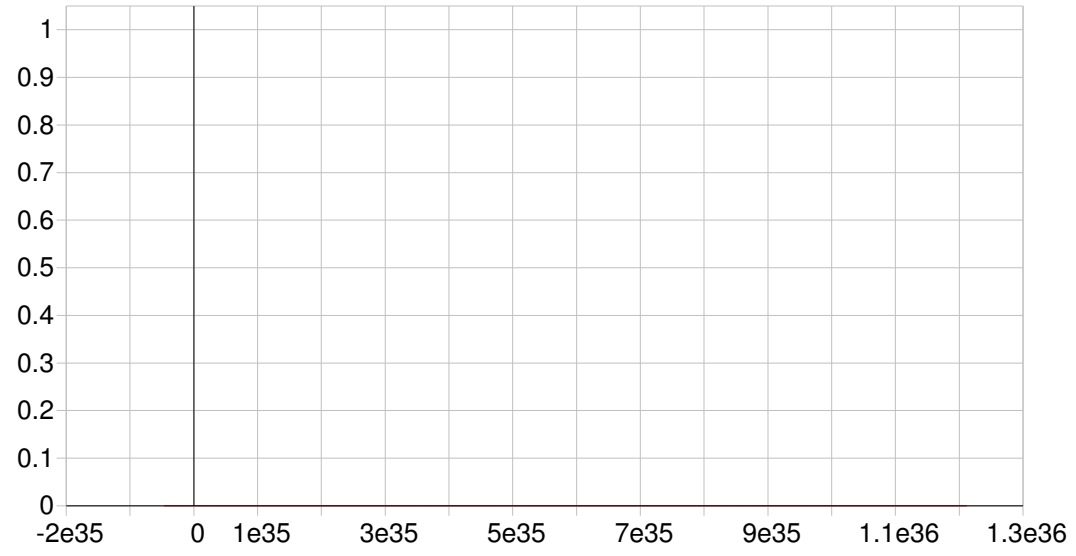
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
SEQ-CAL1	.00000	.00459	.005	.000	.02598	.004	1
SEQ-CAL5	2500.0	2532.8	32.8	1.31	7.9586	.026	1
SEQ-CAL3	100.00	94.108	-5.89	-5.89	.32081	.002	1
SEQ-CAL4	1250.0	1226.7	-23.3	-1.86	3.8685	.018	1
SEQ-CAL2	15.000	11.373	-3.63	-24.2	.06146	.001	1



Y 224.306 {450}*

Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	None	
A0 (Offset):	0.000000		Re-Slope:	1.000000		
A1 (Gain):	0.000000		Y-int:	0.000000		
A2 (Curvature):	0.000000					
n (Exponent):	1.000000					
Correlation:	0.000000		Status:	Warning	Zero Gain	
Std Error of Est:	0.000000					
Predicted MDL:	n/a					
Predicted MQL:	n/a					

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis

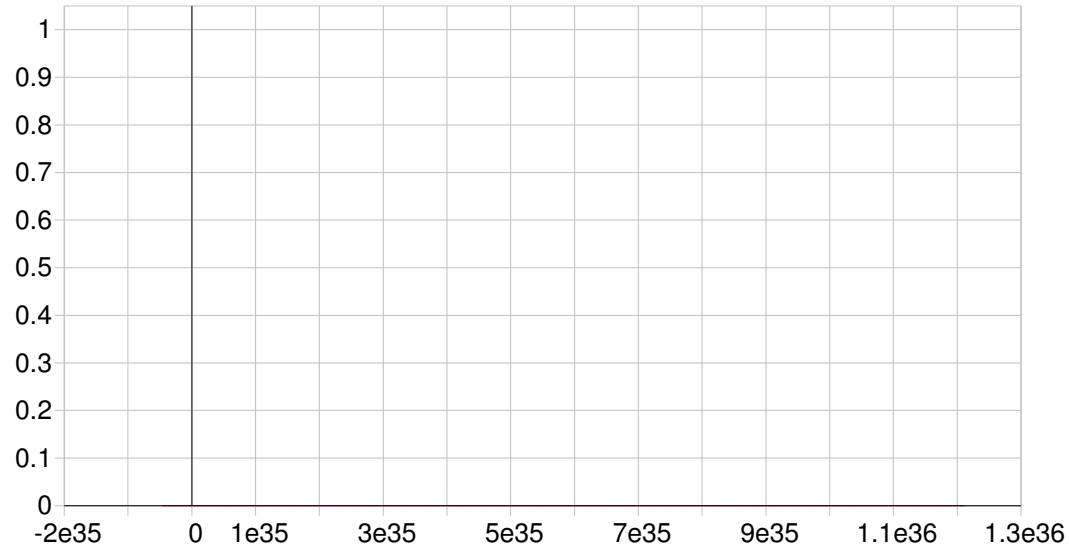


Y 360.073 { 94}*

Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	None	
A0 (Offset):	0.000000		Re-Slope:	1.000000		
A1 (Gain):	0.000000		Y-int:	0.000000		

A2 (Curvature):	0.000000					
n (Exponent):	1.000000					
Correlation:	0.000000		Status:	Warning	Zero Gain	
Std Error of Est:	0.000000					
Predicted MDL:	n/a					
Predicted MQL:	n/a					

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



Y 371.030 { 91}*

Date of Fit:	<not fit>		Type of Fit:	Linear	Weighting:	None
A0 (Offset):		0.000000		Re-Slope:	1.000000	
A1 (Gain):		0.000000		Y-int:	0.000000	
A2 (Curvature):		0.000000				
n (Exponent):		1.000000				
Correlation:		0.000000		Status:	Warning	Zero Gain
Std Error of Est:		0.000000				
Predicted MDL:		n/a				
Predicted MQL:		n/a				

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis

SW-846 7000B

Sample Information

Client Sample ID: **S-1** **York Sample ID:** **T5H0412-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
T5H0412	Tom Olivieri Park	Soil	August 11, 2025 10:00 am	08/12/2025

Metals by Flame AA

Sample Prepared by Method: SW-846 3050B

Results Reported to MDL

% Solids: 99.08

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
7440-50-8	**Copper**	420		mg/kg dry	16.4	3.97	5	SW-846 7000B	08/18/2025 12:00	08/19/2025 14:27	SRF

Sample Information

Client Sample ID: **S-2** **York Sample ID:** **T5H0412-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
T5H0412	Tom Olivieri Park	Soil	August 11, 2025 10:05 am	08/12/2025

Metals by Flame AA

Sample Prepared by Method: SW-846 3050B

Results Reported to MDL

% Solids: 99.23

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
7440-50-8	**Copper**	42.8		mg/kg dry	3.19	0.772	1	SW-846 7000B	08/18/2025 12:00	08/19/2025 14:28	SRF

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW-846 7000B

Matrix Spike

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Project:	Tom Olivieri Park
Matrix:	Soil		
Batch:	T25H435	Laboratory ID:	T25H435-MS1
Preparation:	SW-846 3050B	Initial/Final:	1.04 g / 50 mL

Source Sample Name: T5H0552-01

COMPOUND	SPIKE ADDED (mg/kg dry)	SAMPLE CONCENTRATION (mg/kg dry)	MS CONCENTRATION (mg/kg dry)	MS % REC. #	QC LIMITS REC.	Q
Copper	53.9	19.3	68.7	91.6	75 - 125	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW-846 7000B

Matrix Spike Dup

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Project:	Tom Olivieri Park
Matrix:	Soil		
Batch:	T25H435	Laboratory ID:	T25H435-MSD1
Preparation:	SW-846 3050B	Initial/Final:	1.04 g / 50 mL

Source Sample Name: T5H0552-01

COMPOUND	SPIKE ADDED (mg/kg dry)	MSD CONCENTRATION (mg/kg dry)	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	Q
Copper	53.9	69.1	92.4	0.664	20	75 - 125	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

DUPLICATES

SW-846 7000B

Duplicate

Laboratory: York Analytical Laboratories- Toms River
Client: Kenny Environmental Services
Matrix: Soil
Batch: T25H435
Preparation: SW-846 3050B
Source Sample Name: Duplicate

SDG: T5H0412
Project: Tom Olivieri Park
Laboratory ID: T25H435-DUP1
Lab Source ID: T5H0552-01
Initial/Final: 1.04 g / 50 mL
% Solids: 89.14

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/kg dry)	C	DUPLICATE CONCENTRATION (mg/kg dry)	C	RPD %	Q	METHOD
Copper	20	19.3		19.7		2.34		SW-846 7000B

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 7000B

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Project:	Tom Olivieri Park
Matrix:	Soil		
Batch:	T25H435	Laboratory ID:	T25H435-BS1
Preparation:	SW-846 3050B	Initial/Final:	0.5 g / 50 mL

COMPOUND	SPIKE ADDED (mg/kg wet)	LCS CONCENTRATION (mg/kg wet)	LCS % REC. #	QC LIMITS REC.	Q
Copper	100	94.3	94.3	80 - 120	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM IV **PREPARATION BATCH SUMMARY**

SW-846 7000B

Laboratory: York Analytical Laboratories- Toms River SDG: T5H0412

Client: Kenny Environmental Services Project: Tom Olivieri Park

Batch: T25H435 Batch Matrix: Soil Preparation: SW-846 3050B

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	T25H435-BLK1	250819 Cu soil FLAA-0	08/18/25 12:00	
LCS	T25H435-BS1	250819 Cu soil FLAA-0	08/18/25 12:00	
Duplicate	T25H435-DUP1	250819 Cu soil FLAA-0	08/18/25 12:00	
Matrix Spike	T25H435-MS1	250819 Cu soil FLAA-0	08/18/25 12:00	
Matrix Spike Dup	T25H435-MSD1	250819 Cu soil FLAA-0	08/18/25 12:00	
S-1	T5H0412-01	250819 Cu soil FLAA-0	08/18/25 12:00	
S-2	T5H0412-02	250819 Cu soil FLAA-0	08/18/25 12:00	

FORM I

METHOD BLANK DATA SHEET

SW-846 7000B

Laboratory:	York Analytical Laboratories- Toms River			SDG:	T5H0412
Client:	Kenny Environmental Services			Project:	Tom Olivieri Park
Matrix:	Soil	Laboratory ID:	T25H435-BLK1	File ID:	20250819 Cu soil FLAA-005
Prepared:	08/18/25 12:00	Preparation:	SW-846 3050B	Initial/Final:	0.5 g / 50 mL
Analyzed:	08/19/25 14:25	Instrument:	FLAA#1		
Batch:	T25H435	Sequence:	TH50294	Calibration:	UNASSIGNED

CAS NO.	COMPOUND	CONC. (mg/kg wet)	Q
7440-50-8	Copper	5.00	U

FORM I

BLANKS

SW-846 7000B

Laboratory: York Analytical Laboratories- Toms River
SDG: T5H0412
Client: Kenny Environmental Services
Instrument ID: FLAA#1
Project: Tom Olivieri Park
Sequence: TH50294
Calibration: 08/19/25 1

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
TH50294-ICB1	Copper	-0.007	0.050	ug/mL		SW-846 7000B
TH50294-CCB1	Copper	-0.016	0.050	ug/mL		SW-846 7000B
TH50294-CCB2	Copper	-0.024	0.050	ug/mL		SW-846 7000B

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

SW-846 7000B

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Project:	Tom Olivieri Park
Sequence:	TH50294	Instrument:	FLAA#1
		Calibration:	UNASSIGNED

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Blank	TH50294-ICB1	20250819 Cu soil FLAA-001	08/19/25 14:21
Initial Cal Check	TH50294-ICV1	20250819 Cu soil FLAA-002	08/19/25 14:22
Instrument RL Check	TH50294-CRL1	20250819 Cu soil FLAA-003	08/19/25 14:23
Low Cal Check	TH50294-LCV1	20250819 Cu soil FLAA-004	08/19/25 14:24
Blank	T25H435-BLK1	20250819 Cu soil FLAA-005	08/19/25 14:25
LCS	T25H435-BS1	20250819 Cu soil FLAA-006	08/19/25 14:26
S-1	T5H0412-01	20250819 Cu soil FLAA-007	08/19/25 14:27
S-2	T5H0412-02	20250819 Cu soil FLAA-008	08/19/25 14:28
Calibration Blank	TH50294-CCB1	20250819 Cu soil FLAA-011	08/19/25 14:31
Calibration Check	TH50294-CCV1	20250819 Cu soil FLAA-012	08/19/25 14:32
Duplicate	T25H435-DUP1	20250819 Cu soil FLAA-013	08/19/25 14:33
Matrix Spike	T25H435-MS1	20250819 Cu soil FLAA-014	08/19/25 14:34
Matrix Spike Dup	T25H435-MSD1	20250819 Cu soil FLAA-015	08/19/25 14:35
Calibration Blank	TH50294-CCB2	20250819 Cu soil FLAA-020	08/19/25 14:40
Calibration Check	TH50294-CCV2	20250819 Cu soil FLAA-021	08/19/25 14:41

INITIAL AND CONTINUING CALIBRATION CHECK

SW-846 7000B

Laboratory: York Analytical Laboratories- Toms River
SDG: T5H0412
Client: Kenny Environmental Services
Project: Tom Olivieri Park
Instrument ID: FLAA#1
Calibration: 08/19/25
Control Limt: +/- 10.00%
Sequence: TH50294

Lab Sample ID	Analyte	True	Found	%R	Units	Method
TH50294-ICV1	Copper	1.00	1.02	102	ug/mL	SW-846 7000B
TH50294-CCV1	Copper	1.00	0.960	96.0	ug/mL	SW-846 7000B
TH50294-CCV2	Copper	1.00	0.951	95.1	ug/mL	SW-846 7000B

* Values outside of QC limits

CRDL STANDARD

SW-846 7000B

Laboratory: York Analytical Laboratories- Toms River
SDG: T5H0412
Client: Kenny Environmental Services
Project: Tom Olivieri Park
Instrument ID: FLAA#1
Calibration: 08/19/25
Sequence: TH50294

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
TH50294-CRL1	Copper	0.0500	0.035	70.7	ug/mL	70 - 130

* Values outside of QC limits

Metals Linear Dynamic Range

SW-846 7000B

Laboratory: York Analytical Laboratories- Toms River
SDG: T5H0412
Client: Kenny Environmental Services
Project: Tom Olivieri Park
Instrument: FLAA#1

CAS NO.	Analyte	Concentration mg/kg dry
7440-50-8	Copper	200

FORM VI INITIAL CALIBRATION DATA

SW-846 7000B

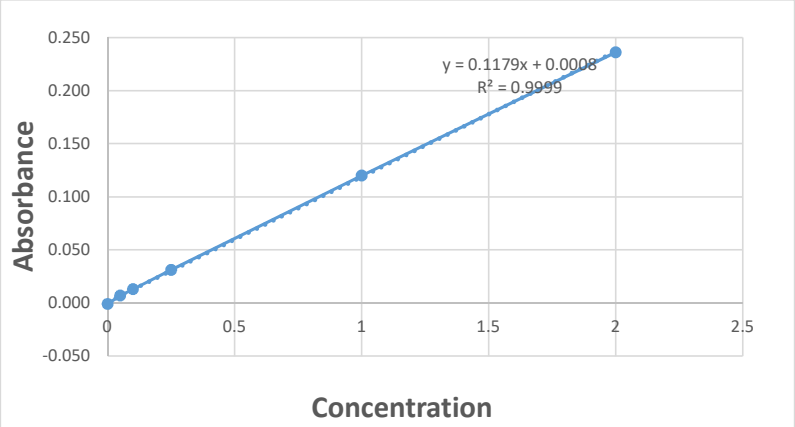
Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Project:	Tom Olivieri Park
Sequence:	TH50294		

Copper ICAL:	FLAA SOIL SW846-7000B

STANDARDS DATA				
Concentration (µg/L)	Absorbance	Read-back Recoveries		
0	-0.001	-0.016	Concentration	
0.050	0.007	105		
0.100	0.013	103		
0.250	0.031	102	%	
1.00	0.120	101		
2.00	0.236	99.7		
SLOPE	**0.1179460**			
y-INTERCEPT	**0.0008306**			
CORRELATION	**0.99993**	≥0.995		

Date:	08/19/2025				
Analyst:	SRF				
Instrument:	Varian SpectrAA-20				
			ug/L		
ICV Spike Conc:	1.0				
					Control Limit 90-110%
			ug/mL	mg/L	%R
ICV Conc:	1.019		1.019	1.019	102
ICB Conc:	-0.007		-0.007	-0.007	

ICV	0.121
ICB	0.000



SW-846 8081B

Sample Information

Client Sample ID: **S-1** **York Sample ID:** **T5H0412-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
T5H0412	Tom Olivieri Park	Soil	August 11, 2025 10:00 am	08/12/2025

Organochlorine Pesticides by GC/ECD

Sample Prepared by Method: SW-846 3546 (GC) Results Reported to MDL % Solids: 99.08

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.000653	0.000475	1	SW-846 8081B	08/15/2025 09:25	08/15/2025 17:26	APP
72-55-9	4,4'-DDE	ND		mg/kg dry	0.000653	0.000462	1	SW-846 8081B	08/15/2025 09:25	08/15/2025 17:26	APP
50-29-3	4,4'-DDT	ND		mg/kg dry	0.000653	0.000570	1	SW-846 8081B	08/15/2025 09:25	08/15/2025 17:26	APP
309-00-2	Aldrin	ND		mg/kg dry	0.000653	0.000471	1	SW-846 8081B	08/15/2025 09:25	08/15/2025 17:26	APP
319-84-6	alpha-BHC	ND		mg/kg dry	0.000653	0.000404	1	SW-846 8081B	08/15/2025 09:25	08/15/2025 17:26	APP
5103-71-9	**alpha-Chlordane**	0.00527		mg/kg dry	0.000653	0.000464	1	SW-846 8081B	08/15/2025 09:25	08/15/2025 17:26	APP
319-85-7	beta-BHC	ND		mg/kg dry	0.000653	0.000535	1	SW-846 8081B	08/15/2025 09:25	08/15/2025 17:26	APP
319-86-8	delta-BHC	ND		mg/kg dry	0.000653	0.000429	1	SW-846 8081B	08/15/2025 09:25	08/15/2025 17:26	APP
60-57-1	**Dieldrin**	0.00272		mg/kg dry	0.000653	0.000432	1	SW-846 8081B	08/15/2025 09:25	08/15/2025 17:26	APP
959-98-8	Endosulfan I	ND		mg/kg dry	0.000653	0.000463	1	SW-846 8081B	08/15/2025 09:25	08/15/2025 17:26	APP
33213-65-9	Endosulfan II	ND		mg/kg dry	0.000653	0.000471	1	SW-846 8081B	08/15/2025 09:25	08/15/2025 17:26	APP
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.000653	0.000549	1	SW-846 8081B	08/15/2025 09:25	08/15/2025 17:26	APP
72-20-8	Endrin	ND		mg/kg dry	0.000653	0.000472	1	SW-846 8081B	08/15/2025 09:25	08/15/2025 17:26	APP
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.000653	0.000490	1	SW-846 8081B	08/15/2025 09:25	08/15/2025 17:26	APP
53494-70-5	Endrin ketone	ND		mg/kg dry	0.000653	0.000490	1	SW-846 8081B	08/15/2025 09:25	08/15/2025 17:26	APP
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.000653	0.000448	1	SW-846 8081B	08/15/2025 09:25	08/15/2025 17:26	APP
5566-34-7	**gamma-Chlordane**	0.00231		mg/kg dry	0.000653	0.000522	1	SW-846 8081B	08/15/2025 09:25	08/15/2025 17:26	APP
76-44-8	Heptachlor	ND		mg/kg dry	0.000653	0.000528	1	SW-846 8081B	08/15/2025 09:25	08/15/2025 17:26	APP
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.000653	0.000437	1	SW-846 8081B	08/15/2025 09:25	08/15/2025 17:26	APP
72-43-5	Methoxychlor	ND		mg/kg dry	0.000653	0.000461	1	SW-846 8081B	08/15/2025 09:25	08/15/2025 17:26	APP
8001-35-2	Toxaphene	ND		mg/kg dry	0.0327	0.0314	1	SW-846 8081B	08/15/2025 09:25	08/15/2025 17:26	APP

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*83.6 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*73.7 %*	*30-150*

Quantitation Report (QT Reviewed)

Data Path : L:\GC\GCECD-S\20250815\
Data File : S004725.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 05:26 pm
Operator : APP
Sample : T5H0412-01
Misc :
ALS Vial : 7 Sample Multiplier: 1
InstName : GCECD-S

Integration File signal 1: LSCINT.E
Integration File signal 2: EVENTS3.E
Quant Time: Aug 18 12:25:25 2025
Quant Method : L:\GC\GCECD-S\Methods\SPST0617.M
Quant Title : SW-846 8081B and EPA 608.3 Organochlorine Pesticides by GC/ECD
QLast Update : Fri Aug 01 11:54:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : CLP-1 (Primary) Signal #2 Phase: CLP-2 (Secondary)
Signal #1 Info : 30m;.32 ID;.32um Signal #2 Info : 30m;.32 ID;.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Internal Standards						
1) I	1-Bromo-2...	2.112	2.166	121.4E6	99324662	100.000	100.000
24) I	1-Bromo-2...	2.112	2.166	121.4E6	99324662	100.000	100.000
	System Monitoring Compounds						
2) S	TCMX	2.712	2.898	49429662	42307609	36.862	39.277
	Spiked Amount 50.000	Range 30 - 150		Recovery =		73.72%	78.55%
23) S	DCB	8.920	9.503	49538746	61981940	41.819	66.233m#
	Spiked Amount 50.000	Range 30 - 150		Recovery =		83.64%	132.47%
	Target Compounds						
11)	gamma-Chl...	5.209	5.859	10500166	13857231	6.990	11.138 #
12)	alpha-Chl...	5.375	6.083	24756470	10335889	15.965	8.141 #
14)	Dieldrin	5.928	6.583	12148677	13709266	8.253	11.490 #
	SemiQuant Compounds - Not Calibrated on this Instrument						

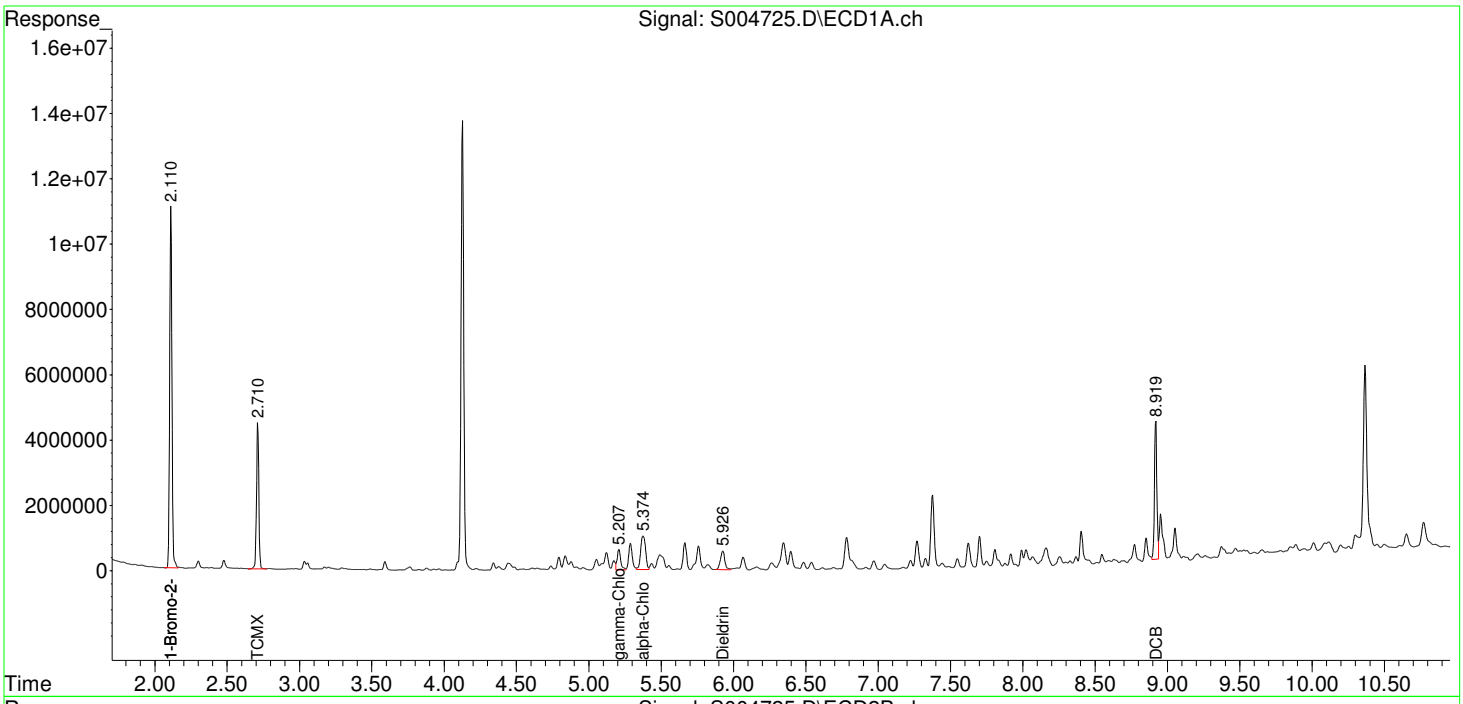
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

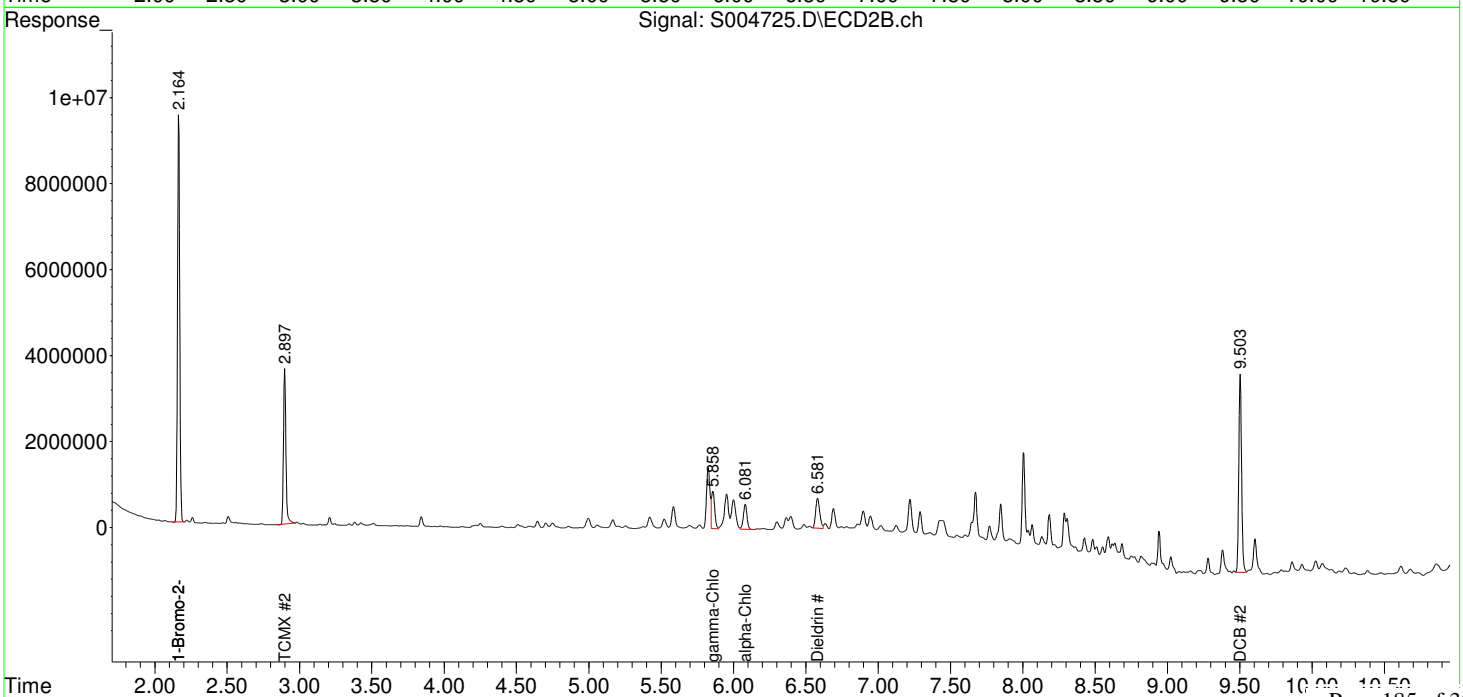
Quantitation Report (QT Reviewed)

Data Path : L:\GC\GCECD-S\20250815\
Data File : S004725.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 05:26 pm
Operator : APP
Sample : T5H0412-01
Misc :
ALS Vial : 7 Sample Multiplier: 1
InstName : GCECD-S

Integration File signal 1: LSCINT.E
Integration File signal 2: EVENTS3.E
Quant Time: Aug 18 12:25:25 2025
Quant Method : L:\GC\GCECD-S\Methods\SPST0617.M
Quant Title : SW-846 8081B and EPA 608.3 Organochlorine Pesticides by GC/ECD
QLast Update : Fri Aug 01 11:54:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : CLP-1 (Primary) Signal #2 Phase: CLP-2 (Secondary)
Signal #1 Info : 30m;.32 ID;.32um Signal #2 Info : 30m;.32 ID;.25um





FORM II SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW-846 8081B

Laboratory: York Analytical Laboratories- Toms River
Client: Kenny Environmental Services
Project: Tom Olivieri Park
Sequence: TH50269

SDG: T5H0412
Instrument: GCECD-S
Calibration: TF50014

SURROGATE COMPOUND	TRUE Value (mg/kg	Actual Value (mg/kg	% Recovery	RT	In House LL	In House UL	DKQP LL	DKQP UL	Recovery Flag
Blank (T25H350-BLK1)			Lab File ID: S004719.D				Analyzed: 08/15/25 16:04		
Decachlorobiphenyl	0.0163	0.0203	125	8.926	30	150	30	150	
Decachlorobiphenyl	0.0163	0.0203	125	8.926	30	150	0	0	DKQP-H
Tetrachloro-m-xylene	0.0163	0.0196	120	2.714	30	150	30	150	
Tetrachloro-m-xylene	0.0163	0.0196	120	2.714	30	150	0	0	DKQP-H
LCS (T25H350-BS1)			Lab File ID: S004721.D				Analyzed: 08/15/25 16:31		
Decachlorobiphenyl	0.0161	0.00689	42.7	8.923	30	150	30	150	
Decachlorobiphenyl	0.0161	0.00689	42.7	8.923	30	150	0	0	DKQP-H
Tetrachloro-m-xylene	0.0161	0.00683	42.3	2.712	30	150	30	150	
Tetrachloro-m-xylene	0.0161	0.00683	42.3	2.712	30	150	0	0	DKQP-H
S-1 (T5H0412-01)			Lab File ID: S004725.D				Analyzed: 08/15/25 17:26		
Decachlorobiphenyl	0.0165	0.0138	83.6	8.92	30	150	30	150	
Tetrachloro-m-xylene	0.0165	0.0122	73.7	2.712	30	150	30	150	
Matrix Spike (T25H350-MS1)			Lab File ID: S004730.D				Analyzed: 08/15/25 18:33		
Decachlorobiphenyl	0.0171	0.00492	28.8	8.914	30	150	0	0	
Decachlorobiphenyl	0.0171	0.00492	28.8	8.914	30	150	30	150	OUT-L
Tetrachloro-m-xylene	0.0171	0.00544	31.8	2.713	30	150	30	150	
Tetrachloro-m-xylene	0.0171	0.00544	31.8	2.713	30	150	0	0	DKQP-H
Matrix Spike Dup (T25H350-MSD1)			Lab File ID: S004731.D				Analyzed: 08/15/25 18:47		
Decachlorobiphenyl	0.0170	0.0117	68.7	8.91	30	150	0	0	DKQP-H
Decachlorobiphenyl	0.0170	0.0117	68.7	8.91	30	150	30	150	
Tetrachloro-m-xylene	0.0170	0.0123	72.3	2.711	30	150	30	150	
Tetrachloro-m-xylene	0.0170	0.0123	72.3	2.711	30	150	0	0	DKQP-H

Qual **Definitions**
DKQP-H This compound failed outside DKQP defined criteria biased high but was within in house defined control limit criteria

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW-846 8081B

Matrix Spike

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Laboratory ID:	T25H350-MS1
Project:	Tom Olivieri Park	Batch:	T25H350
Preparation:	SW-846 3546 (GC)	Initial/Final:	15.23 g / 5 mL
Source Sample Name:	T5H0497-04	Matrix:	Soil

Matrix Spike

COMPOUND	True Value (mg/kg	Actual Value (mg/kg	% Recovery	In House LL	In House UL	DKQP LL	DKQP UL	Recovery Flag
4,4'-DDD	0.0171	0.00506	21.5	30	150	30	150	OUT-L
4,4'-DDE	0.0171	0.0856	-31.6	30	150	30	150	OUT-L
4,4'-DDT	0.0171	0.0370	-23.3	30	150	30	150	OUT-L
Aldrin	0.0171	0.00647	37.8	30	150	30	150	
alpha-BHC	0.0171	0.00636	37.2	30	150	30	150	
alpha-Chlordane	0.0171	0.00567	33.2	30	150	30	150	
beta-BHC	0.0171	0.00511	29.9	30	150	30	150	OUT-L
delta-BHC	0.0171	0.00448	26.2	30	150	30	150	OUT-L
Dieldrin	0.0171	0.00576	22.8	30	150	30	150	OUT-L
Endosulfan I	0.0171	0.00378	22.1	30	150	30	150	OUT-L
Endosulfan II	0.0171	0.00377	22.0	30	150	30	150	OUT-L
Endosulfan sulfate	0.0171	0.00349	20.4	30	150	30	150	OUT-L
Endrin	0.0171	0.00266	15.5	30	150	30	150	OUT-L
Endrin aldehyde	0.0171	0.00323	18.9	30	150	30	150	OUT-L
Endrin ketone	0.0171	0.00510	29.8	30	150	30	150	OUT-L
gamma-BHC (Lindane)	0.0171	0.00630	36.8	30	150	30	150	
gamma-Chlordane	0.0171	0.00539	31.5	30	150	30	150	
Heptachlor	0.0171	0.00508	29.7	30	150	30	150	OUT-L
Heptachlor epoxide	0.0171	0.00541	31.6	30	150	30	150	
Methoxychlor	0.0171	0.00435	25.4	30	150	30	150	OUT-L

Qual **Definitions**

OUT-L This compound failed outside of acceptance criteria biased low.

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW-846 8081B

Matrix Spike

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Laboratory ID:	T25H350-MS1
Project:	Tom Olivieri Park	Batch:	T25H350
Preparation:	SW-846 3546 (GC)	Initial/Final:	15.23 g / 5 mL
Source Sample Name:	T5H0497-04	Matrix:	Soil

Matrix Spike Dup

COMPOUND	TRUE Value (mg/kg	Actual Value (mg/kg	% Recovery	RPD Limit	% RPD #	In House LL	In House UL	DKQP LL	DKQP UL	Recovery Flag
4,4'-DDD	0.0170	0.0124	64.8	30	84.1	30	150	30	150	
4,4'-DDE	0.0170	0.184	550	30	73.2	30	150	30	150	OUT-H
4,4'-DDT	0.0170	0.0889	282	30	82.5	30	150	30	150	OUT-H
Aldrin	0.0170	0.0161	94.8	30	85.3	30	150	30	150	
alpha-BHC	0.0170	0.0122	72.0	30	63.1	30	150	30	150	
alpha-Chlordane	0.0170	0.0129	75.9	30	77.9	30	150	30	150	
beta-BHC	0.0170	0.0114	66.9	30	75.9	30	150	30	150	
delta-BHC	0.0170	0.00903	53.2	30	67.4	30	150	30	150	
Dieldrin	0.0170	0.0131	66.3	30	78.1	30	150	30	150	
Endosulfan I	0.0170	0.00799	47.0	30	71.4	30	150	30	150	
Endosulfan II	0.0170	0.00962	56.6	30	87.5	30	150	30	150	
Endosulfan sulfate	0.0170	0.00854	50.2	30	84.0	30	150	30	150	
Endrin	0.0170	0.00557	32.8	30	70.9	30	150	30	150	
Endrin aldehyde	0.0170	0.00826	48.6	30	87.6	30	150	30	150	
Endrin ketone	0.0170	0.0137	80.6	30	91.6	30	150	30	150	
gamma-BHC (Lindane)	0.0170	0.0135	79.6	30	73.0	30	150	30	150	
gamma-Chlordane	0.0170	0.0120	70.3	30	75.8	30	150	30	150	
Heptachlor	0.0170	0.00859	50.6	30	51.4	30	150	30	150	
Heptachlor epoxide	0.0170	0.0120	70.8	30	75.8	30	150	30	150	
Methoxychlor	0.0170	0.00996	58.6	30	78.5	30	150	30	150	

Qual **Definitions**

OUT-H This compound failed outside of acceptance criteria biased high.

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW-846 8081B

Matrix Spike Dup

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Laboratory ID:	T25H350-MSD1
Project:	Tom Olivieri Park	Batch:	T25H350
Preparation:	SW-846 3546 (GC)	Initial/Final:	15.33 g / 5 mL
Source Sample Name:	T5H0497-04	Matrix:	Soil

FORM III LCS / LCS DUPLICATE RECOVERY

SW-846 8081B

Laboratory: York Analytical Laboratories- Toms River
Client: Kenny Environmental Services
Project: Tom Olivieri Park
Batch: T25H350
Preparation: SW-846 3546 (GC)

SDG: T5H0412
Laboratory ID: T25H350-BS1
Initial/Final: 15.49 g / 5 mL
Matrix: Soil

COMPOUND	TRUE Value (mg/kg	Actual Value (mg/kg	% Recovery	In House LL	In House UL	DKQP LL	DKQP UL	Recovery Flag
4,4'-DDD	0.0161	0.00782	48.5	40	140	40	140	
4,4'-DDE	0.0161	0.00816	50.6	40	140	40	140	
4,4'-DDT	0.0161	0.00837	51.9	40	140	30	140	
Aldrin	0.0161	0.00824	51.1	40	140	40	140	
alpha-BHC	0.0161	0.00794	49.2	40	140	40	140	
alpha-Chlordane	0.0161	0.00838	51.9	40	140	40	140	
beta-BHC	0.0161	0.00893	55.3	40	140	40	140	
delta-BHC	0.0161	0.00794	49.2	40	140	40	140	
Dieldrin	0.0161	0.00801	49.6	40	140	40	140	
Endosulfan I	0.0161	0.00825	51.1	40	140	40	140	
Endosulfan II	0.0161	0.00764	47.3	40	140	40	140	
Endosulfan sulfate	0.0161	0.00907	56.2	40	140	40	140	
Endrin	0.0161	0.00753	46.7	40	140	40	140	
Endrin aldehyde	0.0161	0.00852	52.8	40	140	40	140	
Endrin ketone	0.0161	0.00855	53.0	40	140	40	140	
gamma-BHC (Lindane)	0.0161	0.00864	53.5	40	140	40	140	
gamma-Chlordane	0.0161	0.00823	51.0	40	140	40	140	
Heptachlor	0.0161	0.00823	51.0	40	140	40	140	
Heptachlor epoxide	0.0161	0.00827	51.2	40	140	40	140	
Methoxychlor	0.0161	0.00873	54.1	40	140	30	140	

FORM IV **PREPARATION BATCH SUMMARY**

SW-846 8081B

Laboratory: York Analytical Laboratories- Toms River SDG: T5H0412

Client: Kenny Environmental Services Project: Tom Olivieri Park

Batch: T25H350 Batch Matrix: Soil Preparation: SW-846 3546 (GC)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	T25H350-BLK1	S004719.D	08/15/25 09:25	
LCS	T25H350-BS1	S004721.D	08/15/25 09:25	
Matrix Spike	T25H350-MS1	S004730.D	08/15/25 09:25	
Matrix Spike Dup	T25H350-MSD1	S004731.D	08/15/25 09:25	
S-1	T5H0412-01	S004725.D	08/15/25 09:25	

FORM I

METHOD BLANK DATA SHEET

SW-846 8081B

Laboratory:	York Analytical Laboratories- Toms River			SDG:	T5H0412
Client:	Kenny Environmental Services			Laboratory ID:	T25H350-BLK1
Project:	Tom Olivieri Park			Calibration:	TF50014
Preparation:	SW-846 3546 (GC)	Prepared:	08/15/25 09:25	File ID:	S004719.D
Instrument:	GCECD-S	Analyzed:	08/15/25 16:04	Initial/Final:	15.36 g / 5 mL
Batch:	T25H350	Sequence:	TH50269	Matrix:	Soil

Analyzed by: York Analytical Laboratories- Toms River

Organochlorine Pesticides by GC/ECD

Sample Prepared by Method: SW-846 3546 (GC)

Results Reported to MDL

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg wet	).000645	0.000468	1	SW-846 8081B	08/15/25 09:25	08/15/25 16:04	APP
72-55-9	4,4'-DDE	ND		mg/kg wet	).000645	0.000456	1	SW-846 8081B	08/15/25 09:25	08/15/25 16:04	APP
50-29-3	4,4'-DDT	ND		mg/kg wet	).000645	0.000563	1	SW-846 8081B	08/15/25 09:25	08/15/25 16:04	APP
309-00-2	Aldrin	ND		mg/kg wet	).000645	0.000464	1	SW-846 8081B	08/15/25 09:25	08/15/25 16:04	APP
319-84-6	alpha-BHC	ND		mg/kg wet	).000645	0.000398	1	SW-846 8081B	08/15/25 09:25	08/15/25 16:04	APP
5103-71-9	alpha-Chlordane	ND		mg/kg wet	).000645	0.000458	1	SW-846 8081B	08/15/25 09:25	08/15/25 16:04	APP
319-85-7	beta-BHC	ND		mg/kg wet	).000645	0.000528	1	SW-846 8081B	08/15/25 09:25	08/15/25 16:04	APP
319-86-8	delta-BHC	ND		mg/kg wet	).000645	0.000424	1	SW-846 8081B	08/15/25 09:25	08/15/25 16:04	APP
60-57-1	Dieldrin	ND		mg/kg wet	).000645	0.000426	1	SW-846 8081B	08/15/25 09:25	08/15/25 16:04	APP
959-98-8	Endosulfan I	ND		mg/kg wet	).000645	0.000457	1	SW-846 8081B	08/15/25 09:25	08/15/25 16:04	APP
33213-65-9	Endosulfan II	ND		mg/kg wet	).000645	0.000465	1	SW-846 8081B	08/15/25 09:25	08/15/25 16:04	APP
1031-07-8	Endosulfan sulfate	ND		mg/kg wet	).000645	0.000542	1	SW-846 8081B	08/15/25 09:25	08/15/25 16:04	APP
72-20-8	Endrin	ND		mg/kg wet	).000645	0.000466	1	SW-846 8081B	08/15/25 09:25	08/15/25 16:04	APP
7421-93-4	Endrin aldehyde	ND		mg/kg wet	).000645	0.000484	1	SW-846 8081B	08/15/25 09:25	08/15/25 16:04	APP
53494-70-5	Endrin ketone	ND		mg/kg wet	).000645	0.000484	1	SW-846 8081B	08/15/25 09:25	08/15/25 16:04	APP
58-89-9	gamma-BHC (Lindane)	ND		mg/kg wet	).000645	0.000442	1	SW-846 8081B	08/15/25 09:25	08/15/25 16:04	APP
5566-34-7	gamma-Chlordane	ND		mg/kg wet	).000645	0.000515	1	SW-846 8081B	08/15/25 09:25	08/15/25 16:04	APP
76-44-8	Heptachlor	ND		mg/kg wet	).000645	0.000521	1	SW-846 8081B	08/15/25 09:25	08/15/25 16:04	APP
1024-57-3	Heptachlor epoxide	ND		mg/kg wet	).000645	0.000432	1	SW-846 8081B	08/15/25 09:25	08/15/25 16:04	APP
72-43-5	Methoxychlor	ND		mg/kg wet	).000645	0.000455	1	SW-846 8081B	08/15/25 09:25	08/15/25 16:04	APP
8001-35-2	Toxaphene	ND		mg/kg wet	0.0322	0.0309	1	SW-846 8081B	08/15/25 09:25	08/15/25 16:04	APP

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	Decachlorobiphenyl	*125 %*	*30-150*
877-09-8	Tetrachloro-m-xylene	*120 %*	*30-150*

Quantitation Report (QT Reviewed)

Data Path : L:\GC\GCECD-S\20250815\
Data File : S004719.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 04:04 pm
Operator : APP
Sample : T25H350-BLK1
Misc :
ALS Vial : 1 Sample Multiplier: 1
InstName : GCECD-S

Integration File signal 1: LSCINT.E
Integration File signal 2: EVENTS3.E
Quant Time: Aug 18 12:23:07 2025
Quant Method : L:\GC\GCECD-S\Methods\SPST0617.M
Quant Title : SW-846 8081B and EPA 608.3 Organochlorine Pesticides by GC/ECD
QLast Update : Fri Aug 01 11:54:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : CLP-1 (Primary) Signal #2 Phase: CLP-2 (Secondary)
Signal #1 Info : 30m;.32 ID;.32um Signal #2 Info : 30m;.32 ID;.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Internal Standards							
1) I	1-Bromo-2...	2.114	2.166	99060714	57420912	100.000	100.000	
24) I	1-Bromo-2...	2.114	2.166	99060714	57420912	100.000	100.000	
	System Monitoring Compounds							
2) S	TCMX	2.714	2.899	65861675	58361931	60.216	93.720	#
	Spiked Amount 50.000	Range 30 - 150		Recovery = 120.43%		187.44%#		
23) S	DCB	8.926	9.504	60355837	56452981	62.465	104.348	#
	Spiked Amount 50.000	Range 30 - 150		Recovery = 124.93%		208.70%#		
	Target Compounds							
	SemiQuant Compounds - Not Calibrated on this Instrument							

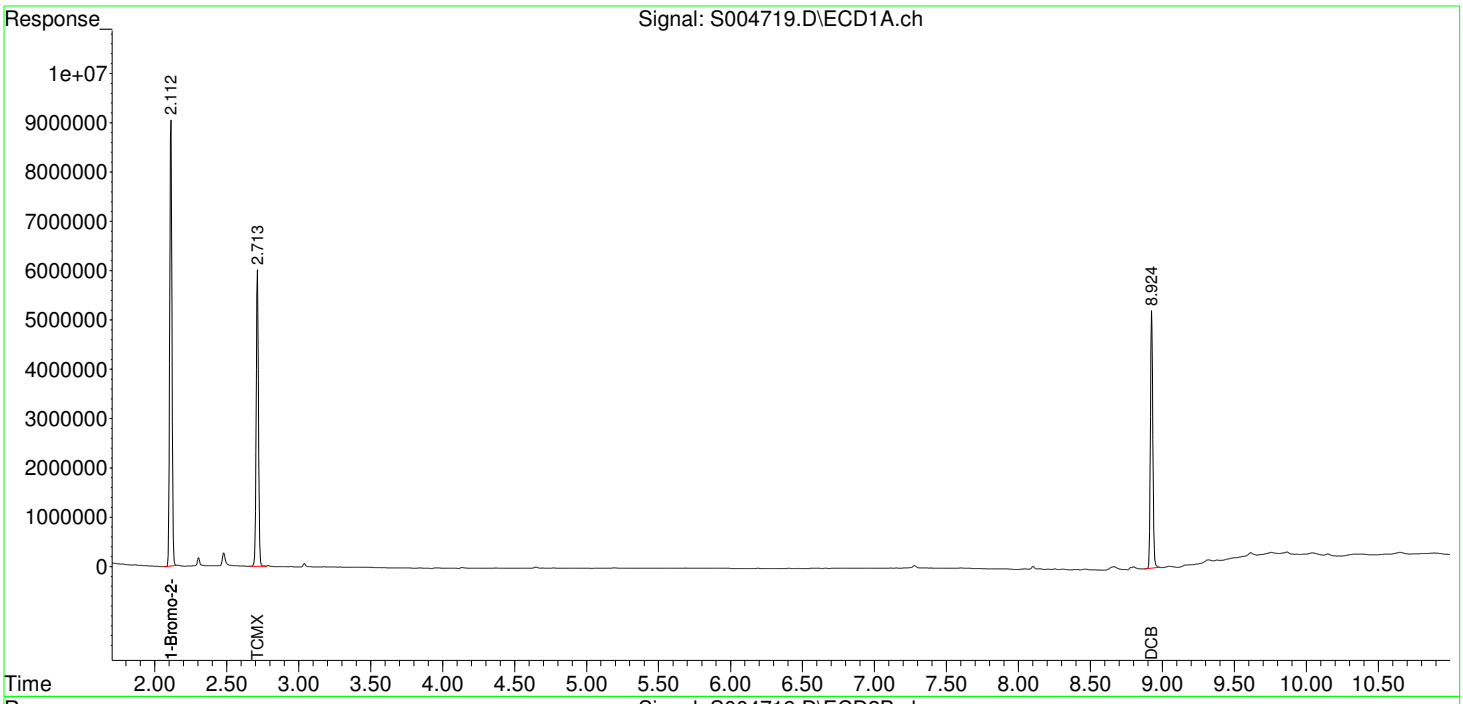
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

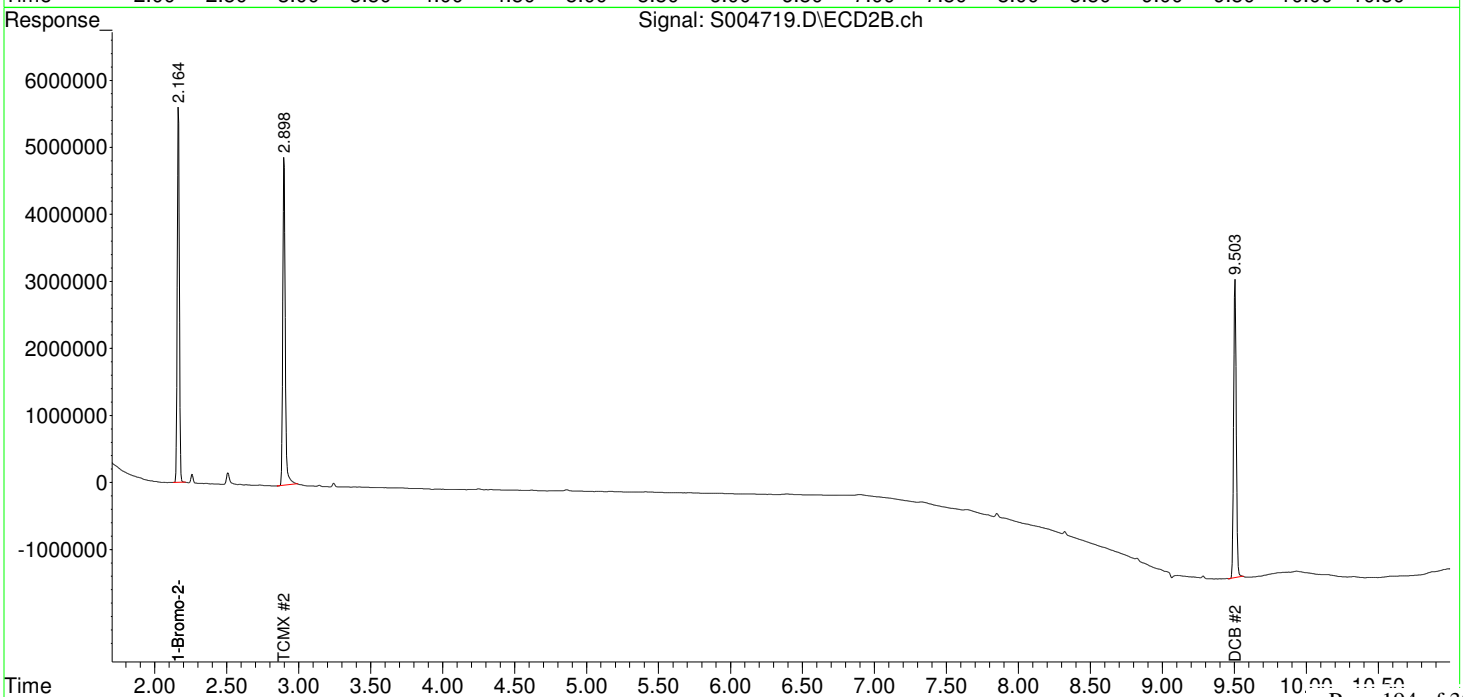
Quantitation Report (QT Reviewed)

Data Path : L:\GC\GCECD-S\20250815\
Data File : S004719.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 04:04 pm
Operator : APP
Sample : T25H350-BLK1
Misc :
ALS Vial : 1 Sample Multiplier: 1
InstName : GCECD-S

Integration File signal 1: LSCINT.E
Integration File signal 2: EVENTS3.E
Quant Time: Aug 18 12:23:07 2025
Quant Method : L:\GC\GCECD-S\Methods\SPST0617.M
Quant Title : SW-846 8081B and EPA 608.3 Organochlorine Pesticides by GC/ECD
QLast Update : Fri Aug 01 11:54:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : CLP-1 (Primary) Signal #2 Phase: CLP-2 (Secondary)
Signal #1 Info : 30m;.32 ID;.32um Signal #2 Info : 30m;.32 ID;.25um





FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

SW-846 8081B

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Project:	Tom Olivieri Park
Sequence:	TF50274	Instrument:	GCECD-S
		Calibration:	TF50014

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Performance Mix	TF50274-PEM1	S003917.D	06/17/25 11:11
Cal Standard	TF50274-CAL1	S003918.D	06/17/25 13:47
Cal Standard	TF50274-CAL2	S003919.D	06/17/25 14:01
Cal Standard	TF50274-CAL3	S003920.D	06/17/25 14:14
Cal Standard	TF50274-CAL4	S003921.D	06/17/25 14:28
Cal Standard	TF50274-CAL5	S003922.D	06/17/25 14:41
Cal Standard	TF50274-CAL6	S003923.D	06/17/25 14:55
Cal Standard	TF50274-CAL7	S003924.D	06/17/25 15:08
Cal Standard	TF50274-CAL8	S003925.D	06/17/25 15:28
Cal Standard	TF50274-CALB	S003926.D	06/17/25 15:41
Cal Standard	TF50274-CAL9	S003927.D	06/17/25 15:55
Cal Standard	TF50274-CALA	S003928.D	06/17/25 16:08
Initial Cal Check	TF50274-ICV1	S003929.D	06/17/25 16:22
Initial Cal Check	TF50274-ICV2	S003930.D	06/17/25 16:35

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

SW-846 8081B

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Project:	Tom Olivieri Park
Sequence:	TH50269	Instrument:	GCECD-S
		Calibration:	TF50014

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Performance Mix	TH50269-PEM1	S004715.D	08/15/25 12:47
Calibration Check	TH50269-CCV1	S004716.D	08/15/25 13:00
Blank	T25H350-BLK1	S004719.D	08/15/25 16:04
LCS	T25H350-BS1	S004721.D	08/15/25 16:31
S-1	T5H0412-01	S004725.D	08/15/25 17:26
Matrix Spike	T25H350-MS1	S004730.D	08/15/25 18:33
Matrix Spike Dup	T25H350-MSD1	S004731.D	08/15/25 18:47

FORM VI **INITIAL CALIBRATION DATA**

SW-846 8081B

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Project:	Tom Olivieri Park
Calibration:	TF50014	Instrument:	GCECD-S
		Calibration Date:	06/17/25 00:00

Method Path : L:\GC\GCECD-S\Methods\
Method File : SPST0617.M
Title : SW-846 8081B and EPA 608.3 Organochlorine Pesticides by GC/ECD
Last Update : Wed Jun 18 11:21:29 2025
Response Via : Initial Calibration

Calibration Files
1 =S003918.D 2 =S003919.D
5 =S003920.D 10 =S003921.D 25 =S003922.D

		Compound	1	2	5	10	25	Avg	%RSD	
1)	I	1-Bromo-2-nitroben...	----------ISTD----------							
2)	S	TCMX	1.033	1.158	1.086	1.054	1.059	1.100	1.104	5.27
3)		alpha-BHC	0.940	1.077	1.129	1.218	1.382	1.554	1.437	23.50 Q = 0.997
4)		gamma-BHC (Li...	0.995	1.080	1.092	1.144	1.244	1.362	1.301	17.20
5)		Heptachlor	0.931	1.036	1.028	1.010	1.029	1.070	1.070	8.22
6)		Aldrin	0.992	1.084	1.108	1.139	1.232	1.329	1.274	15.36
7)		beta-BHC	0.793	0.760	0.693	0.678	0.657	0.660	0.689	7.45
8)		delta-BHC	1.041	1.054	1.063	1.116	1.254	1.413	1.342	20.34 Q = 0.997
9)		Heptachlor Ep...	1.179	1.218	1.193	1.184	1.204	1.249	1.251	6.24
10)		Endosulfan I	1.087	1.180	1.138	1.127	1.152	1.180	1.185	6.15
11)		gamma-Chlordane	1.187	1.208	1.173	1.152	1.175	1.223	1.237	6.74
12)		alpha-Chlordane	1.241	1.286	1.233	1.215	1.230	1.264	1.277	5.01
13)		4,4'-DDE	1.087	1.170	1.138	1.127	1.152	1.180	1.184	6.17
14)		Dieldrin	1.134	1.110	1.140	1.066	1.123	1.203	1.212	10.26
15)		Endrin	1.020	1.012	1.004	0.987	1.027	1.089	1.092	9.47
16)		Endosulfan II	1.145	1.150	1.096	1.067	1.071	1.101	1.121	4.54
17)		4,4'-DDD	0.720	0.674	0.702	0.697	0.757	0.828	0.810	14.63
18)		4,4'-DDT	0.747	0.716	0.754	0.723	0.746	0.776	0.779	7.25
19)		Endrin Aldehyde	1.071	1.012	0.943	0.868	0.845	0.860	0.902	9.40
20)		Endosulfan Su...	1.322	1.253	1.171	1.088	1.048	1.045	1.103	10.14
21)		Methoxychlor	0.627	0.562	0.537	0.508	0.486	0.477	0.498	12.58
22)		Endrin Ketone	1.205	1.206	1.181	1.071	1.067	1.096	1.134	5.38
23)	S	DCB				1.194	1.081	1.012	0.975	13.35
24)	I	1-Bromo-2-nitroben...	----------ISTD----------							
25)		Toxaphene {1}						0.011	0.00	
26)		Toxaphene {2}						0.022	0.00	
27)		Toxaphene {3}						0.024	0.00	
28)		Toxaphene {4}						0.041	0.00	
29)		Toxaphene {5}						0.020	0.00	

Signal #2 Calibration Files
1 =S003918.D 2 =S003919.D
5 =S003920.D 10 =S003921.D 25 =S003922.D

		Compound	1	2	5	10	25	Avg	%RSD	
1)	I	1-Bromo-2-nitroben...	----------ISTD----------							
2)	S	TCMX	1.014	0.999	1.025	1.057	1.096	1.084	6.82	
3)		alpha-BHC	1.064	1.090	1.118	1.194	1.335	1.495	1.413	20.79 Q = 0.997
4)		gamma-BHC (Li...	1.099	1.091	1.104	1.151	1.238	1.348	1.304	15.15
5)		Heptachlor	0.736	0.897	0.890	0.912	0.935	0.981	0.958	11.82
6)		Aldrin	1.152	1.105	1.095	1.126	1.203	1.288	1.265	12.39
7)		beta-BHC	0.890	0.815	0.692	0.682	0.661	0.661	0.701	12.12
8)		delta-BHC	1.158	1.062	1.032	1.102	1.219	1.362	1.322	18.37 Q = 0.997
9)		Heptachlor Ep...	1.304	1.220	1.200	1.177	1.194	1.232	1.251	5.51
10)		Endosulfan I	1.278	1.195	1.141	1.125	1.131	1.161	1.188	5.38
11)		gamma-Chlordane	1.350	1.241	1.199	1.171	1.180	1.216	1.253	6.08
12)		alpha-Chlordane	1.419	1.272	1.235	1.221	1.222	1.247	1.278	5.66
13)		4,4'-DDE	1.143	1.027	1.022	1.038	1.097	1.205	1.194	13.25
14)		Dieldrin	1.223	1.106	1.120	1.070	1.109	1.176	1.201	9.17
15)		Endrin	1.193	1.066	1.033	1.021	1.046	1.100	1.128	8.37
16)		Endosulfan II	1.369	1.178	1.132	1.084	1.072	1.094	1.146	8.07
17)		4,4'-DDD	0.862	0.774	0.733	0.749	0.789	0.846	0.851	10.92

18)		4,4'-DDT	0.627	0.598	0.737	0.625	0.642	0.666	0.682	9.21
19)		Endrin Aldehyde	1.250	1.024	1.022	0.865	0.828	0.822	0.911	16.11
20)		Endosulfan Su...	1.627	1.314	1.243	1.091	1.039	1.031	1.140	17.88
21)		Methoxychlor	0.474	0.421	0.403	0.390	0.385	0.380	0.394	8.68
22)		Endrin Ketone	1.208	1.172	1.082	1.048	1.042	1.068	1.103	5.66
23)	S	DCB				1.036	1.000	0.985	0.942	7.66
24)	I	1-Bromo-2-nitroben...	----------ISTD----------							
25)		Toxaphene {1}							0.020	0.00
26)		Toxaphene {2}							0.045	0.00
27)		Toxaphene {3}							0.043	0.00
28)		Toxaphene {4}							0.066	0.00
29)		Toxaphene {5}							0.023	0.00

(#) = Out of Range ### Number of calibration levels exceeded format ###
Q = Quadratic Regression, equal weighting

SPST0617.M Wed Jun 18 11:39:57 2025

Breakdown Report

SW-846 8081B

Laboratory:	York Analytical Laboratories- Toms Ri	SDG:	T5H0412
Sequence:	TF50274	Laboratory ID:	TF50274-PEM1
Analyzed:	06/17/2025 11:11	Instrument ID:	GCECD-S
		File ID:	S003917.D

Column Number: 1

Analyte	% Breakdown	Breakdown Limit
4,4'-DDT	4.95	15
Endrin	13.44	15

Quantitation Report (QT Reviewed)

Data Path : L:\GC\GCECD-S\20250617\
Data File : S003917.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 11:11 am
Operator : APP
Sample : SEQ-PEM1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: EVENTS3.E
Quant Time: Jun 17 12:04:32 2025
Quant Method : L:\GC\GCECD-S\Methods\SPST0325.M
Quant Title : SW-846 8081B and EPA 608.3 Organochlorine Pesticides by GC/ECD
QLast Update : Mon Jun 02 13:23:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal #1 Phase : RTX-5 Signal #2 Phase:
Signal #1 Info : 0.32 Signal #2 Info :

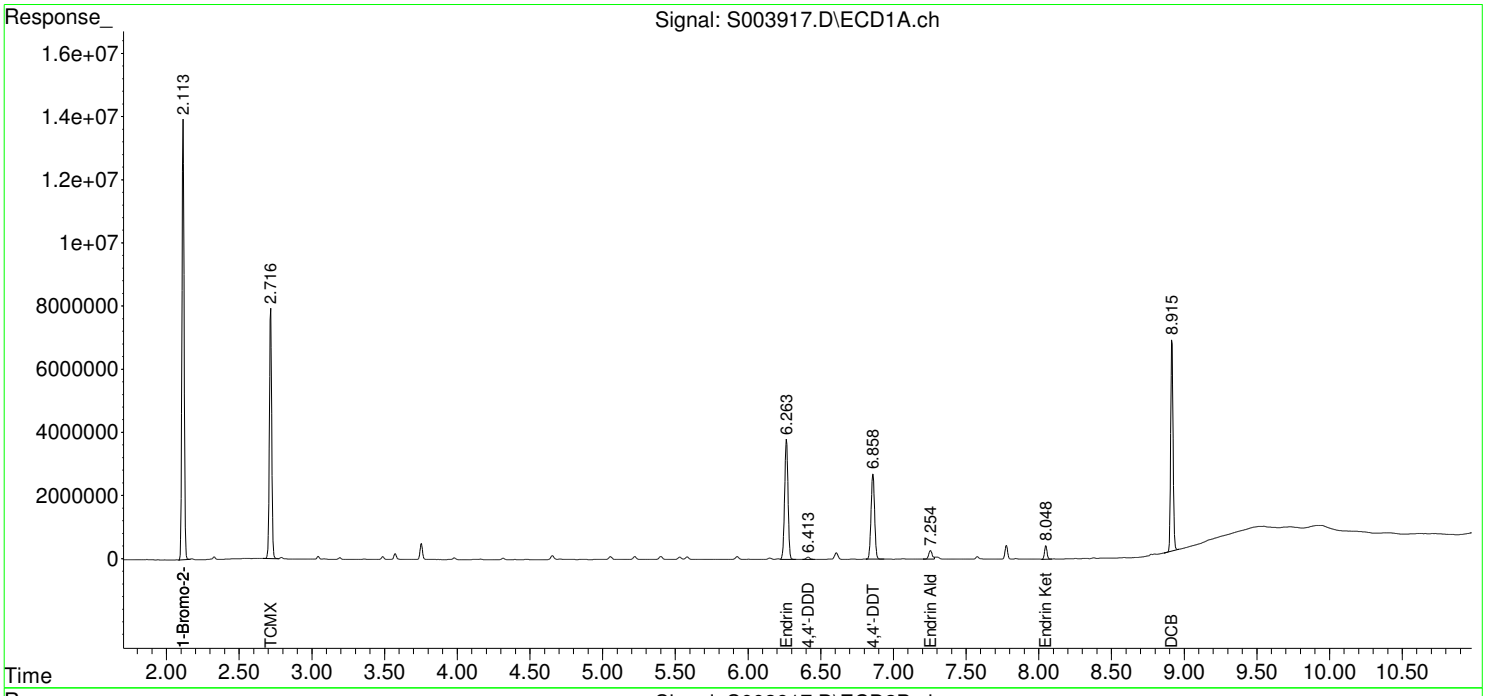
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Internal Standards						
1) I	1-Bromo-2...	2.115	2.171	146.2E6	130.9E6	100.000	100.000
24) I	1-Bromo-2...	2.115	2.171	146.2E6	130.9E6	100.000	100.000
	System Monitoring Compounds						
2) S	TCMX	2.717	2.907	87902345	79822460	29.945	37.939 #
	Spiked Amount 50.000	Range 30 - 150		Recovery =		59.89%	75.88%
23) S	DCB	8.916	9.502	76800174	82160625	31.225	39.842 #
	Spiked Amount 50.000	Range 30 - 150		Recovery =		62.45%	79.68%
	Target Compounds						
13)	4,4'-DDE	5.581	6.388	1180734	1132010	<MDL m	0.502m#
15)	Endrin	6.263	7.115	61778442	56400151	27.599m	30.174m
17)	4,4'-DDD	6.413	7.310	1228125	1679451	0.725m	1.162m#
18)	4,4'-DDT	6.860	7.690	46226722	34921955	31.340	35.632m
19)	Endrin Al...	7.254	7.809	4471477	4089291	2.161m	2.423m
22)	Endrin Ke...	8.048	8.539	5123847	4662058	2.288m	2.600m
	SemiQuant Compounds - Not Calibrated on this Instrument						

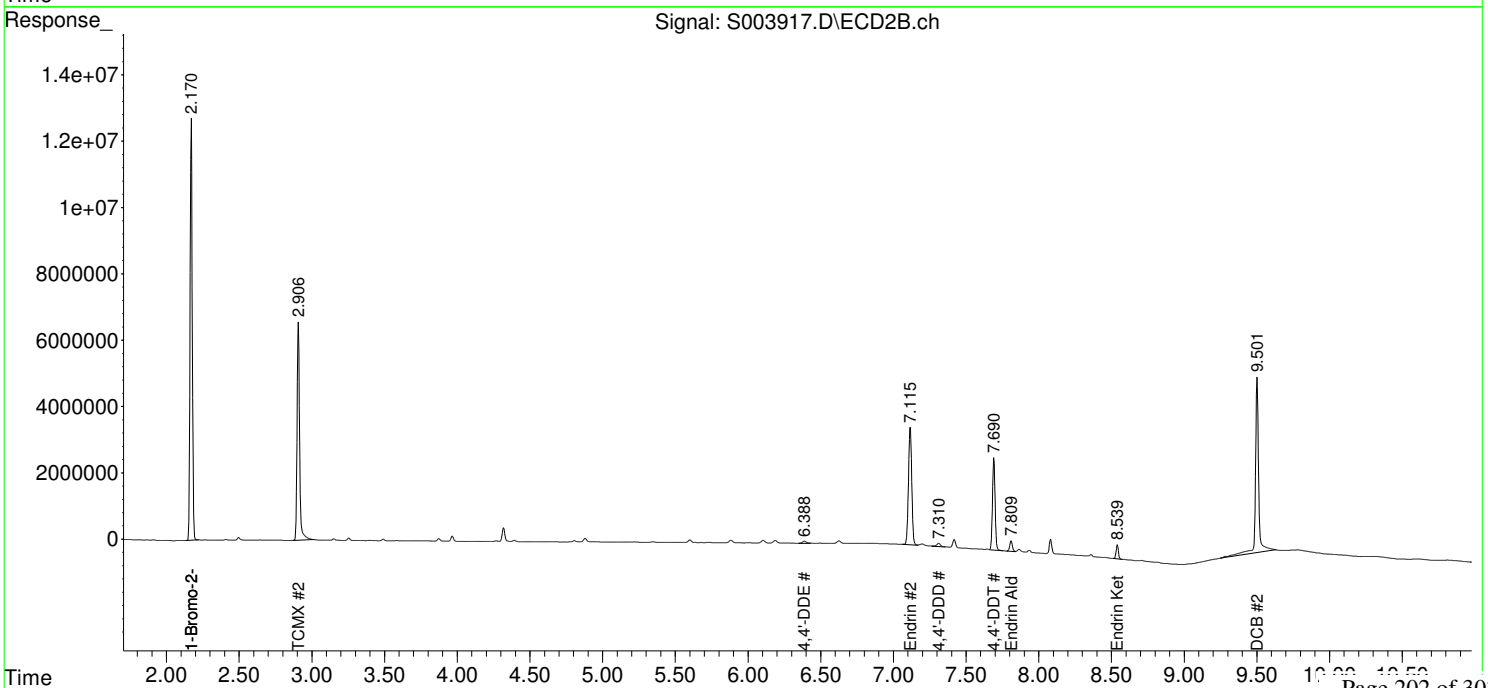
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : L:\GC\GCECD-S\20250617\
Data File : S003917.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 11:11 am
Operator : APP
Sample : SEQ-PEM1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: EVENTS3.E
Quant Time: Jun 17 12:04:32 2025
Quant Method : L:\GC\GCECD-S\Methods\SPST0325.M
Quant Title : SW-846 8081B and EPA 608.3 Organochlorine Pesticides by GC/ECD
QLast Update : Mon Jun 02 13:23:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal #1 Phase : RTX-5 Signal #2 Phase:
Signal #1 Info : 0.32 Signal #2 Info :





Breakdown Report

SW-846 8081B

Laboratory:	York Analytical Laboratories- Toms Ri	SDG:	T5H0412
Sequence:	TH50269	Laboratory ID:	TH50269-PEM1
Analyzed:	08/15/2025 12:47	Instrument ID:	GCECD-S
		File ID:	S004715.D

Column Number: 1

Analyte	% Breakdown	Breakdown Limit
4,4'-DDT	4.45	15
Endrin	10.19	15

Quantitation Report (QT Reviewed)

Data Path : L:\GC\GCECD-S\20250815\
Data File : S004715.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 12:47 pm
Operator : APP
Sample : SEQ-PEM1
Misc :
ALS Vial : 2 Sample Multiplier: 1
InstName : GCECD-S

Integration File signal 1: LSCINT.E
Integration File signal 2: EVENTS3.E
Quant Time: Aug 15 13:59:37 2025
Quant Method : L:\GC\GCECD-S\Methods\SPST0617.M
Quant Title : SW-846 8081B and EPA 608.3 Organochlorine Pesticides by GC/ECD
QLast Update : Fri Aug 01 11:54:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : CLP-1 (Primary) Signal #2 Phase: CLP-2 (Secondary)
Signal #1 Info : 30m;.32 ID;.32um Signal #2 Info : 30m;.32 ID;.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Internal Standards						
1) I	1-Bromo-2...	2.110	2.164	198.4E6	166.0E6	100.000	100.000
24) I	1-Bromo-2...	2.110	2.164	198.4E6	166.0E6	100.000	100.000
	System Monitoring Compounds						
2) S	TCMX	2.711	2.898	147.0E6	128.0E6	67.116m	71.115
	Spiked Amount 50.000	Range 30 - 150		Recovery = 134.23%		142.23%	
23) S	DCB	8.915	9.494	115.5E6	116.3E6	59.657	74.327
	Spiked Amount 50.000	Range 30 - 150		Recovery = 119.31%		148.65%	
	Target Compounds						
13)	4,4'-DDE	5.520	6.367	1887718	2519443	0.804m	1.271m#
15)	Endrin	6.253	7.094	108.4E6	87566593	49.995m	46.767m
17)	4,4'-DDD	6.402	7.292	2021429	1996626	1.257m	1.414m
18)	4,4'-DDT	6.847	7.675	83912584	45821864	54.300m	40.497m#
19)	Endrin Al...	7.244	7.794	5647004	4410963	3.157m	2.917m
22)	Endrin Ke...	8.041	8.528	6647846	4966456	2.955m	2.711m
	SemiQuant Compounds - Not Calibrated on this Instrument						

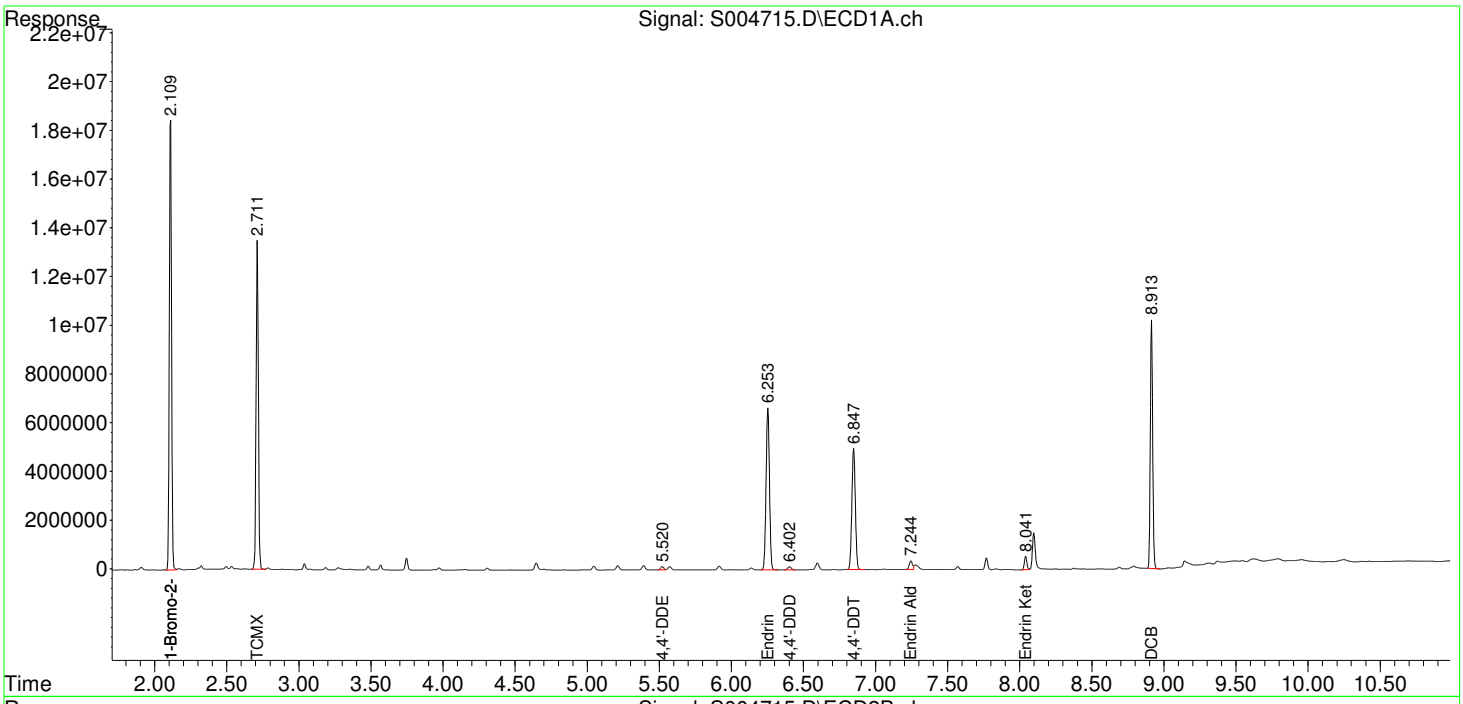
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

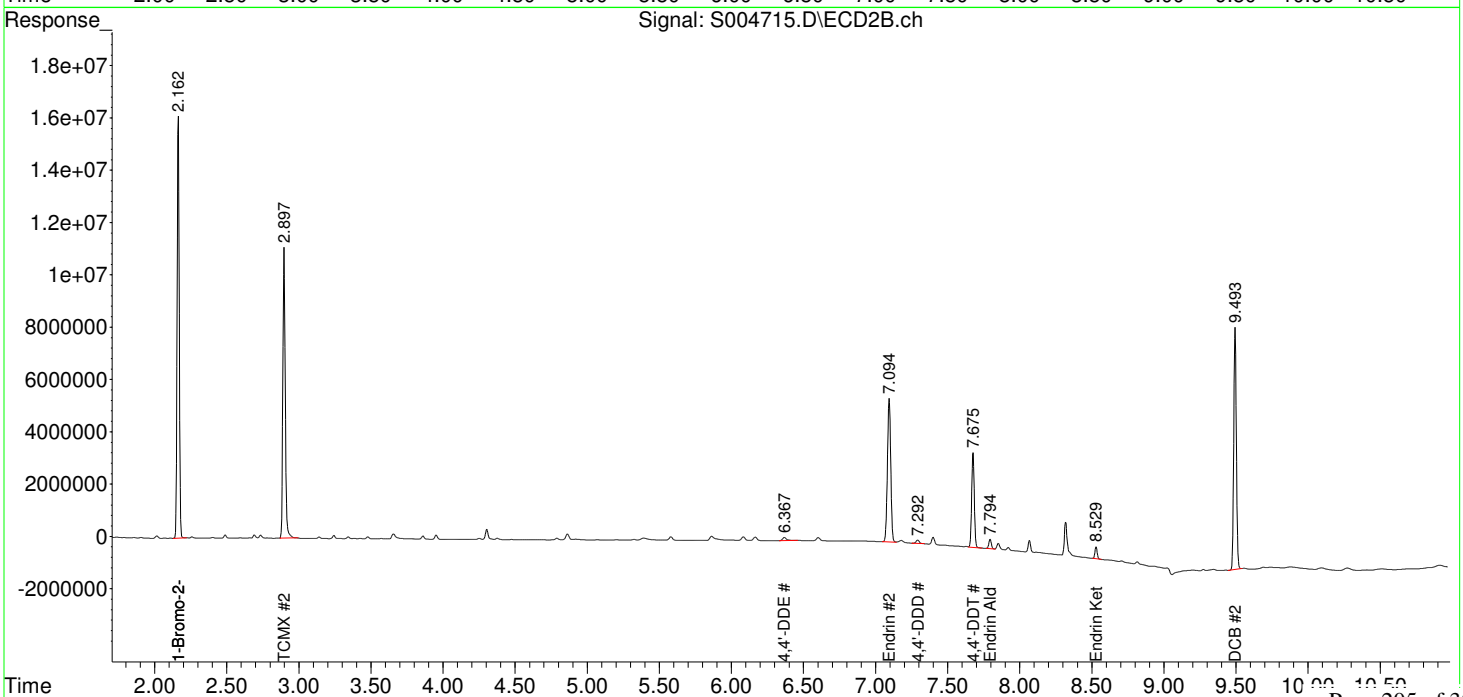
Quantitation Report (QT Reviewed)

Data Path : L:\GC\GCECD-S\20250815\
Data File : S004715.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 12:47 pm
Operator : APP
Sample : SEQ-PEM1
Misc :
ALS Vial : 2 Sample Multiplier: 1
InstName : GCECD-S

Integration File signal 1: LSCINT.E
Integration File signal 2: EVENTS3.E
Quant Time: Aug 15 13:59:37 2025
Quant Method : L:\GC\GCECD-S\Methods\SPST0617.M
Quant Title : SW-846 8081B and EPA 608.3 Organochlorine Pesticides by GC/ECD
QLast Update : Fri Aug 01 11:54:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : CLP-1 (Primary) Signal #2 Phase: CLP-2 (Secondary)
Signal #1 Info : 30m;.32 ID;.32um Signal #2 Info : 30m;.32 ID;.25um





FORM VII CONTINUING CALIBRATION CHECK

SW-846 8081B

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Instrument:	GCECD-S
Project:	Tom Olivieri Park	Calibration:	TF50014
Lab File ID:	S004716.D	Calibration Date:	06/17/25 00:00
Sequence:	TH50269	Injection Date:	08/15/25 13:00
Lab Sample ID:	TH50269-CCV1		

Compound	TRUE Value (ng/mL)	Actual Value (ng/mL)	% Recovery	In House LL	In House UL	DKQP LL	DKQP UL	Recovery Flag
4,4'-DDD	50.0	52.4	105	80	120	40.00	140.00	
4,4'-DDE	50.0	52.2	104	80	120	40.00	140.00	
4,4'-DDT	50.0	53.1	106	80	120	30.00	140.00	
Aldrin	50.0	54.2	108	80	120	40.00	140.00	
alpha-BHC	50.0	45.2	90.3	80	120	40.00	140.00	
alpha-Chlordane	50.0	51.9	104	80	120	40.00	140.00	
beta-BHC	50.0	47.1	94.1	80	120	40.00	140.00	
delta-BHC	50.0	44.0	88.1	80	120	40.00	140.00	
Dieldrin	50.0	52.0	104	80	120	40.00	140.00	
Endosulfan I	50.0	51.8	104	80	120	40.00	140.00	
Endosulfan II	50.0	51.6	103	80	120	40.00	140.00	
Endosulfan sulfate	50.0	49.8	99.5	80	120	40.00	140.00	
Endrin	50.0	50.9	102	80	120	40.00	140.00	
Endrin aldehyde	50.0	49.0	98.1	80	120	40.00	140.00	
Endrin ketone	50.0	51.8	104	80	120	40.00	140.00	
gamma-BHC (Lindane)	50.0	53.2	106	80	120	40.00	140.00	
gamma-Chlordane	50.0	52.4	105	80	120	40.00	140.00	
Heptachlor	50.0	50.5	101	80	120	40.00	140.00	
Heptachlor epoxide	50.0	50.9	102	80	120	40.00	140.00	
Methoxychlor	50.0	48.6	97.3	80	120	30.00	140.00	

SW-846 8270E

Sample Information

Client Sample ID: S-1 **York Sample ID: T5H0412-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
T5H0412	Tom Olivieri Park	Soil	August 11, 2025 10:00 am	08/12/2025

Semivolatile Organic Compounds by GC/MS

Sample Prepared by Method: SW-846 3546 (SVOA) Results Reported to MDL % Solids: 99.08

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0333	0.0108	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0832	0.0135	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
90-12-0	1-Methylnaphthalene	ND		mg/kg dry	0.0333	0.00649	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0333	0.0101	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0333	0.00709	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0333	0.00959	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0333	0.00579	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0333	0.00549	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.166	0.0453	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.166	0.0314	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.166	0.0347	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0333	0.00939	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0333	0.00699	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0333	0.0104	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0333	0.00449	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.166	0.0284	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.166	0.0329	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0333	0.00779	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
91-94-1	3,3'-Dichlorobenzidine	ND		mg/kg dry	0.0333	0.0135	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.166	0.0243	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.166	0.0258	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0333	0.00909	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0333	0.00739	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0333	0.00719	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0333	0.00609	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.166	0.0406	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.166	0.0400	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
83-32-9	**Acenaphthene**	0.0130	J	mg/kg dry	0.0333	0.00779	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
208-96-8	**Acenaphthylene**	0.0103	J	mg/kg dry	0.0333	0.00659	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
98-86-2	Acetophenone	ND		mg/kg dry	0.0333	0.00749	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
120-12-7	**Anthracene**	0.0539		mg/kg dry	0.0333	0.00629	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
1912-24-9	Atrazine	ND		mg/kg dry	0.0333	0.00769	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
100-52-7	Benzaldehyde	ND		mg/kg dry	0.166	0.0199	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
56-55-3	**Benzo(a)anthracene**	0.497		mg/kg dry	0.0333	0.00769	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
50-32-8	**Benzo(a)pyrene**	0.474		mg/kg dry	0.0333	0.0137	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
205-99-2	**Benzo(b)fluoranthene**	0.497		mg/kg dry	0.0333	0.0154	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP

Sample Information

Client Sample ID: S-1 **York Sample ID: T5H0412-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
T5H0412	Tom Olivieri Park	Soil	August 11, 2025 10:00 am	08/12/2025

Semivolatile Organic Compounds by GC/MS

Sample Prepared by Method: SW-846 3546 (SVOA) Results Reported to MDL % Solids: 99.08

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0333	0.00459	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
207-08-9	**Benzo(k)fluoranthene**	0.497		mg/kg dry	0.0333	0.0113	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0333	0.00929	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0333	0.00559	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0333	0.00589	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0333	0.00729	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
117-81-7	**Bis(2-ethylhexyl)phthalate**	0.0732		mg/kg dry	0.0333	0.00859	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
105-60-2	Caprolactam	ND		mg/kg dry	0.166	0.0441	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
86-74-8	**Carbazole**	0.0156	J	mg/kg dry	0.0333	0.00729	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
218-01-9	**Chrysene**	0.548		mg/kg dry	0.0333	0.00929	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
53-70-3	**Dibenzo(a,h)anthracene**	0.102		mg/kg dry	0.0333	0.00879	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0333	0.00729	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0333	0.00939	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0333	0.00929	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0333	0.00579	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0333	0.00699	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
206-44-0	**Fluoranthene**	0.823		mg/kg dry	0.0333	0.00709	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
86-73-7	**Fluorene**	0.0146	J	mg/kg dry	0.0333	0.00869	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0333	0.00669	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0333	0.0133	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.166	0.0277	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0333	0.00819	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
193-39-5	**Indeno(1,2,3-cd)pyrene**	0.196		mg/kg dry	0.0333	0.00829	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
78-59-1	Isophorone	ND		mg/kg dry	0.0333	0.00889	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
91-20-3	Naphthalene	ND		mg/kg dry	0.0333	0.00649	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0333	0.0333	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0333	0.00689	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
86-30-6	N-Nitrosodiphenylamine / Diphenylamine	ND		mg/kg dry	0.0333	0.00729	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.166	0.0245	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
85-01-8	**Phenanthrene**	0.258		mg/kg dry	0.0333	0.00899	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
108-95-2	Phenol	ND		mg/kg dry	0.0333	0.00789	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
129-00-0	**Pyrene**	1.00		mg/kg dry	0.0333	0.00779	1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
	Total Tentatively Identified Compounds	4.7	J	mg/kg dry			1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
000238-84-6	**TIC- 11H-Benzo[a]fluorene**	0.176	J	mg/kg dry			1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
000544-85-4	**TIC- Dotriacontane**	0.496	J	mg/kg dry			1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP

Sample Information

Client Sample ID: S-1 **York Sample ID: T5H0412-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
T5H0412	Tom Olivieri Park	Soil	August 11, 2025 10:00 am	08/12/2025

Semivolatile Organic Compounds by GC/MS

Sample Prepared by Method: SW-846 3546 (SVOA) Results Reported to MDL % Solids: 99.08

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
000112-95-8	**TIC- Eicosane**	0.356	J	mg/kg dry			1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
000638-66-4	**TIC- Octadecanal**	0.530	J	mg/kg dry			1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
000198-55-0	**TIC- Perylene**	0.393	J	mg/kg dry			1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
000638-67-5	**TIC- Tricosane**	1.13	J	mg/kg dry			1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
NA	**Unknown (01)**	0.135	J	mg/kg dry			1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
NA	**Unknown (02)**	0.343	J	mg/kg dry			1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
NA	**Unknown (03)**	0.215	J	mg/kg dry			1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP
NA	**Unknown (04)**	0.922	J	mg/kg dry			1	SW-846 8270E	08/15/2025 17:12	08/22/2025 23:52	IAP

	Surrogate Recoveries	Result		Acceptance Range
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*48.1 %*		*13.5-117*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*43.7 %*		*13-135*
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*10.9 %*	QM-05	*12.9-116*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*15.6 %*		*10-144*
13127-88-3	*Surrogate: SURR: Phenol-d6*	*19.8 %*		*14-107*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*101 %*		*10-192*

Quantitation Report (QT/LSC Reviewed)

Data File : I:\GCMS\GCMS-Q\20250822\Q011679.D Vial: 89
Acq On : 22 Aug 2025 11:52 pm Operator: IAP
Sample : T5H0412-01 Inst : GCMS-Q
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 25 8:41 2025 Quant Results File: QBNA0813.RES

Quant Method : I:\GCMS\GCMS-Q\METHODS\QBNA0813.M (RTE Integrator)
Title : BNA Calibration
Last Update : Wed Aug 13 15:14:57 2025
Response via : Initial Calibration
DataAcq Meth : QBNARUN.M

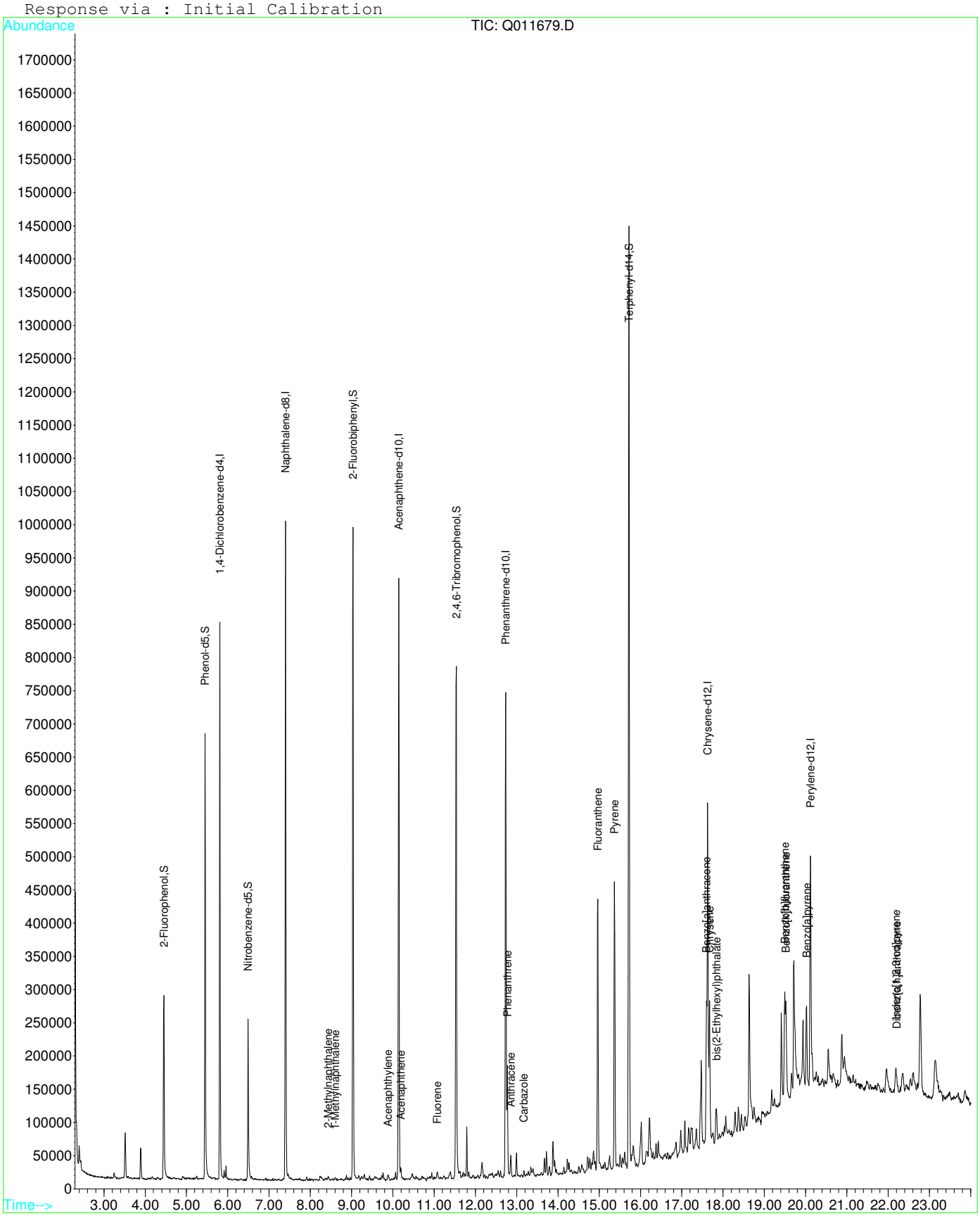
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.81	152	121473	40.00	ng/uL	0.00
21) Naphthalene-d8	7.40	136	501285	40.00	ng/uL	0.00
39) Acenaphthene-d10	10.14	164	241612	40.00	ng/uL	0.00
62) Phenanthrene-d10	12.74	188	332577	40.00	ng/uL	0.00
76) Chrysene-d12	17.63	240	213764	40.00	ng/uL	-0.02
85) Perylene-d12	20.12	264	185411	40.00	ng/uL	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	4.45	112	85960	21.82	ng/uL	0.00
Spiked Amount 200.000			Recovery = 10.91%			
7) Phenol-d5	5.45	99	192053	39.55	ng/uL	-0.02
Spiked Amount 200.000			Recovery = 19.77%			
22) Nitrobenzene-d5	6.49	82	98447	17.00	ng/uL	0.00
Spiked Amount 100.000			Recovery = 17.00%			
44) 2-Fluorobiphenyl	9.04	172	347776	42.73	ng/uL	0.00
Spiked Amount 100.000			Recovery = 42.73%			
66) 2,4,6-Tribromophenol	11.54	330	74307	96.13	ng/uL	0.00
Spiked Amount 200.000			Recovery = 48.06%			
79) Terphenyl-d14	15.72	244	473104	100.65	ng/uL	0.00
Spiked Amount 100.000			Recovery = 100.65%			
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.43	142	2107	0.28	ng/uL	86
38) 1-Methylnaphthalene	8.60	142	1315	0.17	ng/uL	85
49) Acenaphthylene	9.88	152	3454	0.31	ng/uL	94
52) Acenaphthene	10.20	153	2808	0.39	ng/uL	93
59) Fluorene	11.07	166	3390m	0.44	ng/uL	
71) Phenanthrene	12.77	178	71263	7.75	ng/uL	97
72) Anthracene	12.86	178	15161	1.62	ng/uL	94
73) Carbazole	13.18	167	4024	0.47	ng/uL	94
75) Fluoranthene	14.97	202	225042	24.71	ng/uL	100
78) Pyrene	15.37	202	219478	30.10	ng/uL	90
81) Benzo[a]anthracene	17.60	228	102766	14.94	ng/uL	99
83) Chrysene	17.67	228	108392	16.45	ng/uL	95
84) bis(2-Ethylhexyl)phthalate	17.84	149	12566	2.20	ng/uL	90
87) Benzo[b]fluoranthene	19.49	252	81130m	14.93	ng/uL	
88) Benzo[k]fluoranthene	19.52	252	82576m	14.93	ng/uL	
89) Benzo[a]pyrene	20.02	252	73491	14.25	ng/uL	95
90) Indeno[1,2,3-cd]pyrene	22.19	276	33825	5.90	ng/uL	91
91) Dibenz[a,h]anthracene	22.22	278	14514	3.06	ng/uL	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : I:\GCMS\GCMS-Q\20250822\Q011679.D Vial: 89
Acq On : 22 Aug 2025 11:52 pm Operator: IAP
Sample : T5H0412-01 Inst : GCMS-Q
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 25 8:41 2025 Quant Results File: QBNA0813.RES

Method : I:\GCMS\GCMS-Q\METHODS\QBNA0813.M (RTE Integrator)
Title : BNA Calibration
Last Update : Wed Aug 13 15:14:57 2025
Response via : Initial Calibration



Sample Information

Client Sample ID: S-2 **York Sample ID: T5H0412-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
T5H0412	Tom Olivieri Park	Soil	August 11, 2025 10:05 am	08/12/2025

Semivolatile Organic Compounds (BNs) by GC/MS

Sample Prepared by Method: SW-846 3546 (SVOA) Results Reported to MDL % Solids: 99.23

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0331	0.0103	1	SW-846 8270E	08/15/2025 17:12	08/23/2025 00:21	IAP
83-32-9	**Acenaphthene**	0.0195	J	mg/kg dry	0.0331	0.00775	1	SW-846 8270E	08/15/2025 17:12	08/23/2025 00:21	IAP
208-96-8	**Acenaphthylene**	0.0202	J	mg/kg dry	0.0331	0.00656	1	SW-846 8270E	08/15/2025 17:12	08/23/2025 00:21	IAP
120-12-7	**Anthracene**	0.0663		mg/kg dry	0.0331	0.00626	1	SW-846 8270E	08/15/2025 17:12	08/23/2025 00:21	IAP
56-55-3	**Benzo(a)anthracene**	0.515		mg/kg dry	0.0331	0.00765	1	SW-846 8270E	08/15/2025 17:12	08/23/2025 00:21	IAP
50-32-8	**Benzo(a)pyrene**	0.557		mg/kg dry	0.0331	0.0136	1	SW-846 8270E	08/15/2025 17:12	08/23/2025 00:21	IAP
205-99-2	**Benzo(b)fluoranthene**	1.17		mg/kg dry	0.0331	0.0153	1	SW-846 8270E	08/15/2025 17:12	08/23/2025 00:21	IAP
191-24-2	**Benzo(g,h,i)perylene**	0.244		mg/kg dry	0.0331	0.00457	1	SW-846 8270E	08/15/2025 17:12	08/23/2025 00:21	IAP
207-08-9	**Benzo(k)fluoranthene**	0.475		mg/kg dry	0.0331	0.0112	1	SW-846 8270E	08/15/2025 17:12	08/23/2025 00:21	IAP
218-01-9	**Chrysene**	0.574		mg/kg dry	0.0331	0.00924	1	SW-846 8270E	08/15/2025 17:12	08/23/2025 00:21	IAP
53-70-3	**Dibenzo(a,h)anthracene**	0.0576		mg/kg dry	0.0331	0.00875	1	SW-846 8270E	08/15/2025 17:12	08/23/2025 00:21	IAP
206-44-0	**Fluoranthene**	0.874		mg/kg dry	0.0331	0.00706	1	SW-846 8270E	08/15/2025 17:12	08/23/2025 00:21	IAP
86-73-7	**Fluorene**	0.0162	J	mg/kg dry	0.0331	0.00865	1	SW-846 8270E	08/15/2025 17:12	08/23/2025 00:21	IAP
193-39-5	**Indeno(1,2,3-cd)pyrene**	0.231		mg/kg dry	0.0331	0.00825	1	SW-846 8270E	08/15/2025 17:12	08/23/2025 00:21	IAP
91-20-3	**Naphthalene**	0.0186	J	mg/kg dry	0.0331	0.00646	1	SW-846 8270E	08/15/2025 17:12	08/23/2025 00:21	IAP
85-01-8	**Phenanthrene**	0.321		mg/kg dry	0.0331	0.00894	1	SW-846 8270E	08/15/2025 17:12	08/23/2025 00:21	IAP
129-00-0	**Pyrene**	0.979		mg/kg dry	0.0331	0.00775	1	SW-846 8270E	08/15/2025 17:12	08/23/2025 00:21	IAP

	Surrogate Recoveries	Result	Acceptance Range
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*		*13.5-117*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*76.3 %*	*13-135*
367-12-4	*Surrogate: SURR: 2-Fluorophenol*		*12.9-116*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*74.7 %*	*10-144*
13127-88-3	*Surrogate: SURR: Phenol-d6*		*14-107*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*106 %*	*10-192*

Quantitation Report (QT Reviewed)

Data File : I:\GCMS\GCMS-Q\20250822\Q011680.D Vial: 90
Acq On : 23 Aug 2025 12:21 am Operator: IAP
Sample : T5H0412-02 Inst : GCMS-Q
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 25 8:49 2025 Quant Results File: QBNA0813.RES

Quant Method : I:\GCMS\GCMS-Q\METHODS\QBNA0813.M (RTE Integrator)
Title : BNA Calibration
Last Update : Wed Aug 13 15:14:57 2025
Response via : Initial Calibration
DataAcq Meth : QBNARUN.M

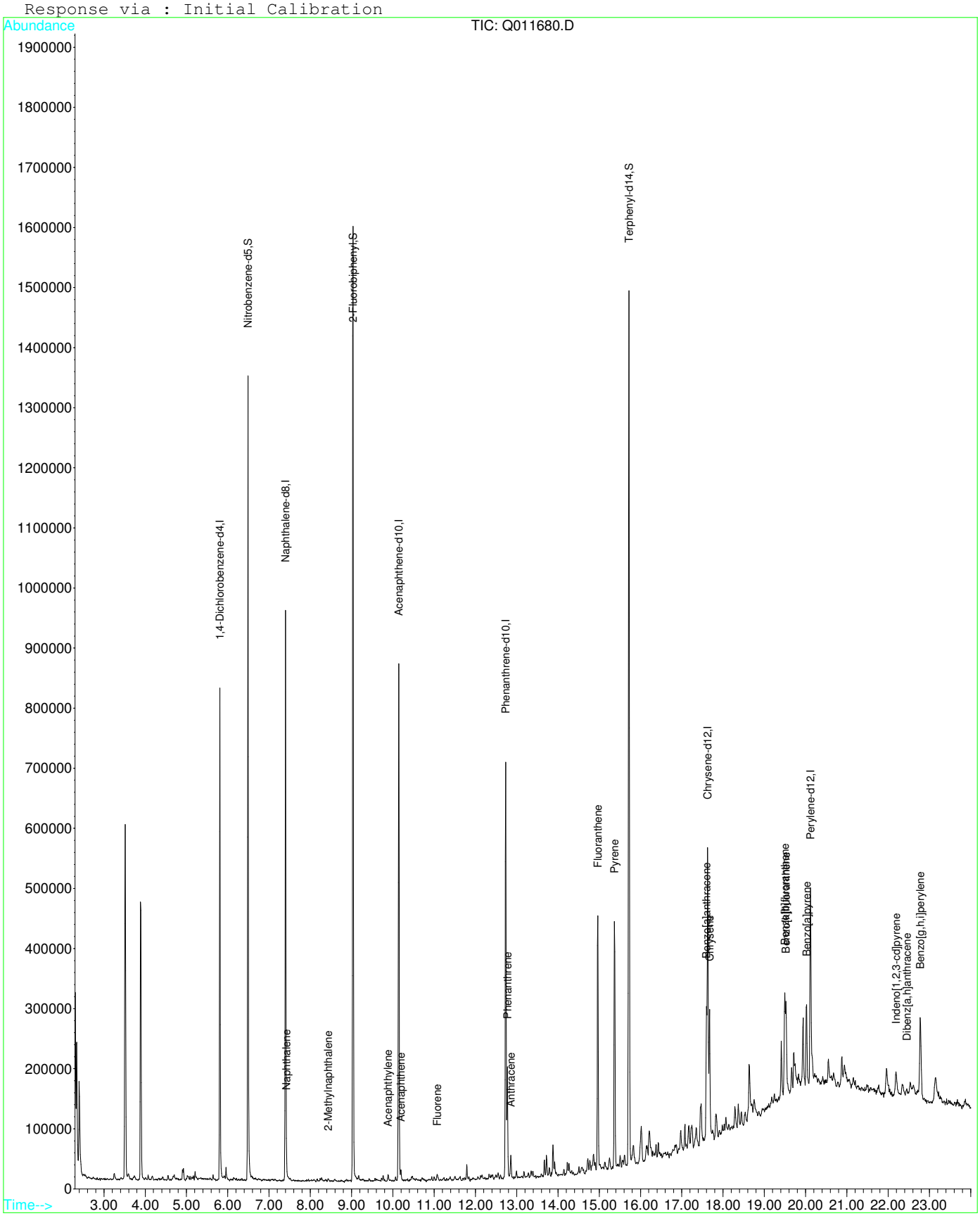
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.81	152	117015	40.00	ng/uL	0.00
21) Naphthalene-d8	7.40	136	470989	40.00	ng/uL	0.00
39) Acenaphthene-d10	10.14	164	222958	40.00	ng/uL	0.00
62) Phenanthrene-d10	12.74	188	312421	40.00	ng/uL	0.00
76) Chrysene-d12	17.63	240	209743	40.00	ng/uL	-0.02
85) Perylene-d12	20.12	264	170776	40.00	ng/uL	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0d	0.00	ng/uL	
Spiked Amount 200.000			Recovery = 0.00%			
7) Phenol-d5	0.00	99	0	0.00	ng/uL	
Spiked Amount 200.000			Recovery = 0.00%			
22) Nitrobenzene-d5	6.49	82	443143	81.47	ng/uL	0.00
Spiked Amount 100.000			Recovery = 81.47%			
44) 2-Fluorobiphenyl	9.04	172	560752	74.66	ng/uL	0.00
Spiked Amount 100.000			Recovery = 74.66%			
66) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng/uL	
Spiked Amount 200.000			Recovery = 0.00%			
79) Terphenyl-d14	15.72	244	489979	106.24	ng/uL	0.00
Spiked Amount 100.000			Recovery = 106.24%			
Target Compounds						Qvalue
31) Naphthalene	7.43	128	6933	0.56	ng/uL	95
37) 2-Methylnaphthalene	8.43	142	1678	0.24	ng/uL	91
49) Acenaphthylene	9.88	152	6164	0.61	ng/uL	96
52) Acenaphthene	10.20	153	3899	0.59	ng/uL	82
59) Fluorene	11.07	166	3555	0.49	ng/uL	95
71) Phenanthrene	12.77	178	83792	9.70	ng/uL	97
72) Anthracene	12.86	178	17527	2.00	ng/uL	98
75) Fluoranthene	14.97	202	225695	26.38	ng/uL	98
78) Pyrene	15.37	202	211436	29.55	ng/uL	89
81) Benzo[a]anthracene	17.60	228	105066	15.56	ng/uL	97
83) Chrysene	17.67	228	111961	17.32	ng/uL	98
87) Benzo[b]fluoranthene	19.49	252	177341	35.44	ng/uL	97
88) Benzo[k]fluoranthene	19.52	252	73003m	14.33	ng/uL	
89) Benzo[a]pyrene	20.02	252	79787	16.80	ng/uL	97
90) Indeno[1,2,3-cd]pyrene	22.19	276	36742	6.96	ng/uL	96
91) Dibenz[a,h]anthracene	22.44	278	7622	1.74	ng/uL	92
92) Benzo[g,h,i]perylene	22.78	276	31138	7.37	ng/uL	97

(#) = qualifier out of range (m) = manual integration
Q011680.D QBNA0813.M Mon Aug 25 09:01:18 2025

Quantitation Report

Data File : I:\GCMS\GCMS-Q\20250822\Q011680.D Vial: 90
Acq On : 23 Aug 2025 12:21 am Operator: IAP
Sample : T5H0412-02 Inst : GCMS-Q
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 25 8:49 2025 Quant Results File: QBNA0813.RES

Method : I:\GCMS\GCMS-Q\METHODS\QBNA0813.M (RTE Integrator)
Title : BNA Calibration
Last Update : Wed Aug 13 15:14:57 2025
Response via : Initial Calibration



FORM II SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW-846 8270E

Laboratory: York Analytical Laboratories- Toms River
Client: Kenny Environmental Services
Project: Tom Olivieri Park
Sequence: TH50380

SDG: T5H0412
Instrument: GCMS-Q
Calibration: TH50011

SURROGATE COMPOUND	TRUE Value (mg/kg	Actual Value (mg/kg	% Recovery	RT	In House LL	In House UL	DKQP LL	DKQP UL	Recovery Flag
Blank (T25H377-BLK1)			Lab File ID: Q011675.D				Analyzed: 08/22/25 21:54		
SURR: 2,4,6-Tribromophenol	6.58	6.70	102	11.54	13.5	117	30	130	
SURR: 2,4,6-Tribromophenol	6.58	6.70	102	11.54	13.5	117	30	130	
SURR: 2-Fluorobiphenyl	3.22	0.863	26.8	9.04	13	135	30	130	DKQP-L
SURR: 2-Fluorobiphenyl	3.22	0.863	26.8	9.04	13	135	30	130	DKQP-L
SURR: 2-Fluorophenol	6.58	4.82	73.3	4.45	12.9	116	30	130	
SURR: 2-Fluorophenol	6.58	4.82	73.3	4.45	12.9	116	30	130	
SURR: Nitrobenzene-d5	3.59	0.625	17.4	6.5	10	144	30	130	DKQP-L
SURR: Nitrobenzene-d5	3.59	0.625	17.4	6.5	10	144	30	130	DKQP-L
SURR: Phenol-d6	6.58	5.21	79.2	5.45	14	107	30	130	
SURR: Phenol-d6	6.58	5.21	79.2	5.45	14	107	30	130	
SURR: Terphenyl-d14	3.28	2.32	70.6	15.72	10	192	30	130	
SURR: Terphenyl-d14	3.28	2.32	70.6	15.72	10	192	30	130	
LCS (T25H377-BS1)			Lab File ID: Q011676.D				Analyzed: 08/22/25 22:23		
SURR: 2,4,6-Tribromophenol	6.57	3.96	60.3	11.54	13.5	117	30	130	
SURR: 2,4,6-Tribromophenol	6.57	3.96	60.3	11.54	13.5	117	30	130	
SURR: 2-Fluorobiphenyl	3.21	1.92	59.8	9.04	13	135	30	130	
SURR: 2-Fluorobiphenyl	3.21	1.92	59.8	9.04	13	135	30	130	
SURR: 2-Fluorophenol	6.57	3.27	49.8	4.45	12.9	116	30	130	
SURR: 2-Fluorophenol	6.57	3.27	49.8	4.45	12.9	116	30	130	
SURR: Nitrobenzene-d5	3.58	2.08	58.2	6.49	10	144	30	130	
SURR: Nitrobenzene-d5	3.58	2.08	58.2	6.49	10	144	30	130	
SURR: Phenol-d6	6.57	3.52	53.6	5.45	14	107	30	130	
SURR: Phenol-d6	6.57	3.52	53.6	5.45	14	107	30	130	
SURR: Terphenyl-d14	3.28	2.19	66.9	15.72	10	192	30	130	
SURR: Terphenyl-d14	3.28	2.19	66.9	15.72	10	192	30	130	

Qual **Definitions**
DKQP-L This compound failed outside DKQP defined criteria biased low but was within in house defined control limit criteria

FORM II SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW-846 8270E

Laboratory: York Analytical Laboratories- Toms River
Client: Kenny Environmental Services
Project: Tom Olivieri Park
Sequence: TH50380

SDG: T5H0412
Instrument: GCMS-Q
Calibration: TH50011

SURROGATE COMPOUND	TRUE Value (mg/kg	Actual Value (mg/kg	% Recovery	RT	In House LL	In House UL	DKQP LL	DKQP UL	Recovery Flag
Matrix Spike (T25H377-MS1)			Lab File ID: Q011677.D				Analyzed: 08/22/25 22:53		
SURR: 2,4,6-Tribromophenol	7.39	4.26	57.7	11.54	13.5	117	30	130	
SURR: 2,4,6-Tribromophenol	7.39	4.26	57.7	11.54	13.5	117	30	130	
SURR: 2-Fluorobiphenyl	3.61	2.79	77.1	9.04	13	135	30	130	
SURR: 2-Fluorobiphenyl	3.61	2.79	77.1	9.04	13	135	30	130	
SURR: 2-Fluorophenol	7.39	4.07	55.1	4.45	12.9	116	30	130	
SURR: 2-Fluorophenol	7.39	4.07	55.1	4.45	12.9	116	30	130	
SURR: Nitrobenzene-d5	4.03	3.21	79.9	6.49	10	144	30	130	
SURR: Nitrobenzene-d5	4.03	3.21	79.9	6.49	10	144	30	130	
SURR: Phenol-d6	7.39	4.34	58.7	5.45	14	107	30	130	
SURR: Phenol-d6	7.39	4.34	58.7	5.45	14	107	30	130	
SURR: Terphenyl-d14	3.69	3.28	88.9	15.72	10	192	30	130	
SURR: Terphenyl-d14	3.69	3.28	88.9	15.72	10	192	30	130	
Matrix Spike Dup (T25H377-MSD1)			Lab File ID: Q011678.D				Analyzed: 08/22/25 23:22		
SURR: 2,4,6-Tribromophenol	7.35	4.45	60.5	11.54	13.5	117	30	130	
SURR: 2,4,6-Tribromophenol	7.35	4.45	60.5	11.54	13.5	117	30	130	
SURR: 2-Fluorobiphenyl	3.60	2.94	81.8	9.04	13	135	30	130	
SURR: 2-Fluorobiphenyl	3.60	2.94	81.8	9.04	13	135	30	130	
SURR: 2-Fluorophenol	7.35	4.55	61.9	4.45	12.9	116	30	130	
SURR: 2-Fluorophenol	7.35	4.55	61.9	4.45	12.9	116	30	130	
SURR: Nitrobenzene-d5	4.01	3.50	87.3	6.49	10	144	30	130	
SURR: Nitrobenzene-d5	4.01	3.50	87.3	6.49	10	144	30	130	
SURR: Phenol-d6	7.35	4.70	63.9	5.45	14	107	30	130	
SURR: Phenol-d6	7.35	4.70	63.9	5.45	14	107	30	130	
SURR: Terphenyl-d14	3.67	3.39	92.4	15.72	10	192	30	130	
SURR: Terphenyl-d14	3.67	3.39	92.4	15.72	10	192	30	130	

FORM II SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW-846 8270E

Laboratory: York Analytical Laboratories- Toms River
Client: Kenny Environmental Services
Project: Tom Olivieri Park
Sequence: TH50380

SDG: T5H0412
Instrument: GCMS-Q
Calibration: TH50011

SURROGATE COMPOUND	TRUE Value (mg/kg	Actual Value (mg/kg	% Recovery	RT	In House LL	In House UL	DKQP LL	DKQP UL	Recovery Flag
S-1 (T5H0412-01)			Lab File ID: Q011679.D			Analyzed: 08/22/25 23:52			
SURR: 2,4,6-Tribromophenol	6.66	3.20	48.1	11.54	13.5	117	30	130	
SURR: 2-Fluorobiphenyl	3.26	1.42	43.7	9.04	13	135	30	130	
SURR: 2-Fluorophenol	6.66	0.726	10.9	4.45	12.9	116	30	130	OUT-L
SURR: Nitrobenzene-d5	3.63	0.566	15.6	6.49	10	144	30	130	DKQP-L
SURR: Phenol-d6	6.66	1.32	19.8	5.45	14	107	30	130	DKQP-L
SURR: Terphenyl-d14	3.32	3.35	101	15.72	10	192	30	130	
S-2 (T5H0412-02)			Lab File ID: Q011680.D			Analyzed: 08/23/25 00:21			
SURR: 2,4,6-Tribromophenol		0.00		0	13.5	117	30	130	
SURR: 2-Fluorobiphenyl	3.24	2.47	76.3	9.04	13	135	30	130	
SURR: 2-Fluorophenol		0.00		0	12.9	116	30	130	
SURR: Nitrobenzene-d5	3.61	2.70	74.7	6.49	10	144	30	130	
SURR: Phenol-d6		0.00		0	14	107	30	130	
SURR: Terphenyl-d14	3.31	3.52	106	15.72	10	192	30	130	

Qual **Definitions**
DKQP-L This compound failed outside DKQP defined criteria biased low but was within in house defined control limit criteria
OUT-L This compound failed outside of acceptance criteria biased low.

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW-846 8270E

Matrix Spike

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Laboratory ID:	T25H377-MS1
Project:	Tom Olivieri Park	Batch:	T25H377
Preparation:	SW-846 3546 (SVOA)	Initial/Final:	15.19 g / 0.5 mL
Source Sample Name:	T5H0552-01	Matrix:	Soil

Matrix Spike

COMPOUND	True Value (mg/kg	Actual Value (mg/kg	% Recovery	In House LL	In House UL	DKQP LL	DKQP UL	Recovery Flag
1,1-Biphenyl	0.739	0.432	58.6	32.2	110	70	130	DKQP-L
1,2,4,5-Tetrachlorobenzene	0.369	0.174	47.0	32.7	112	70	130	DKQP-L
1-Methylnaphthalene	0.739	0.394	52.3	24.9	119	70	130	DKQP-L
2,3,4,6-Tetrachlorophenol	0.739	0.367	49.8	34.6	113	70	130	DKQP-L
2,4,5-Trichlorophenol	0.739	0.380	51.4	25.6	121	20	160	
2,4,6-Trichlorophenol	0.739	0.393	53.2	31.7	119	20	160	
2,4-Dichlorophenol	0.739	0.367	49.8	24.1	125	70	130	DKQP-L
2,4-Dimethylphenol	0.739	0.355	48.0	10	142	70	130	DKQP-L
2,4-Dinitrophenol	0.739	ND		10	107	20	160	OUT-L
2,4-Dinitrotoluene	0.739	0.353	47.8	23.4	136	70	130	DKQP-L
2,6-Dinitrotoluene	0.739	0.389	52.7	35.6	118	70	130	DKQP-L
2-Chloronaphthalene	0.739	0.410	55.6	32.6	109	70	130	DKQP-L
2-Chlorophenol	0.739	0.396	53.6	18.5	115	70	130	DKQP-L
2-Methylnaphthalene	0.739	0.396	51.9	16.9	135	70	130	DKQP-L
2-Methylnaphthalene	0.739	0.396	51.9	16.9	135	70	130	DKQP-L
2-Methylphenol	0.739	0.420	56.8	25.4	111	70	130	DKQP-L
2-Nitroaniline	0.739	0.453	61.3	33.9	127	20	160	
2-Nitrophenol	0.739	0.312	42.2	14.1	126	70	130	DKQP-L
3- & 4-Methylphenols	0.739	0.406	55.0	24.4	114	70	130	DKQP-L
3,3'-Dichlorobenzidine	0.739	0.336	45.4	10	144	70	130	DKQP-L
3-Nitroaniline	0.739	0.391	52.9	10.3	126	20	160	
4,6-Dinitro-2-methylphenol	0.739	0.165	22.4	10	127	20	160	
4-Bromophenyl phenyl ether	0.739	0.385	52.1	30.5	130	70	130	DKQP-L
4-Chloro-3-methylphenol	0.739	0.407	55.0	17.4	135	70	130	DKQP-L
4-Chloroaniline	0.739	0.340	46.0	10	121	70	130	DKQP-L
4-Chlorophenyl phenyl ether	0.739	0.375	50.7	41.4	108	70	130	DKQP-L

Qual	Definitions
DKQP-L	This compound failed outside DKQP defined criteria biased low but was within in house defined control limit criteria
OUT-L	This compound failed outside of acceptance criteria biased low.

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW-846 8270E

Matrix Spike

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Laboratory ID:	T25H377-MS1
Project:	Tom Olivieri Park	Batch:	T25H377
Preparation:	SW-846 3546 (SVOA)	Initial/Final:	15.19 g / 0.5 mL
Source Sample Name:	T5H0552-01	Matrix:	Soil

COMPOUND	True Value (mg/kg	Actual Value (mg/kg	% Recovery	In House LL	In House UL	DKQP LL	DKQP UL	Recovery Flag
4-Nitroaniline	0.739	0.473	64.0	10	134	20	160	
4-Nitrophenol	0.739	0.492	66.6	11.2	115	20	160	
Acenaphthene	0.739	0.410	55.4	26.9	119	70	130	DKQP-L
Acenaphthene	0.739	0.410	55.4	26.9	119	70	130	DKQP-L
Acenaphthylene	0.739	0.435	58.9	26.8	122	70	130	DKQP-L
Acenaphthylene	0.739	0.435	58.9	26.8	122	70	130	DKQP-L
Acetophenone	0.739	0.450	60.9	13.8	133	70	130	DKQP-L
Anthracene	0.739	0.404	54.7	20	142	70	130	DKQP-L
Anthracene	0.739	0.404	54.7	20	142	70	130	DKQP-L
Atrazine	0.739	0.427	57.8	30.3	133	70	130	DKQP-L
Benzaldehyde	0.739	2.39	324	10	187	70	130	OUT-H
Benzo(a)anthracene	0.739	0.446	54.7	16	150	70	130	DKQP-L
Benzo(a)anthracene	0.739	0.446	54.7	16	150	70	130	DKQP-L
Benzo(a)pyrene	0.739	0.431	52.0	10	155	70	130	DKQP-L
Benzo(a)pyrene	0.739	0.431	52.0	10	155	70	130	DKQP-L
Benzo(b)fluoranthene	0.739	0.499	62.7	10	171	70	130	DKQP-L
Benzo(b)fluoranthene	0.739	0.499	62.7	10	171	70	130	DKQP-L
Benzo(g,h,i)perylene	0.739	0.288	34.2	10	147	70	130	DKQP-L
Benzo(g,h,i)perylene	0.739	0.288	34.2	10	147	70	130	DKQP-L
Benzo(k)fluoranthene	0.739	0.426	53.2	10	161	70	130	DKQP-L
Benzo(k)fluoranthene	0.739	0.426	53.2	10	161	70	130	DKQP-L
Benzyl butyl phthalate	0.739	0.461	62.4	24	167	70	130	DKQP-L
Bis(2-chloroethoxy)methane	0.739	0.411	55.6	32.2	111	70	130	DKQP-L
Bis(2-chloroethyl)ether	0.739	0.433	58.6	25.8	110	70	130	DKQP-L
Bis(2-chloroisopropyl)ether	0.739	0.493	66.8	31.4	102	70	130	DKQP-L
Bis(2-ethylhexyl)phthalate	0.739	0.493	66.8	27.3	161	70	130	DKQP-L
Caprolactam	0.739	0.381	51.6	10	133	70	130	DKQP-L

Qual **Definitions**

DKQP-L This compound failed outside DKQP defined criteria biased low but was within in house defined control limit criteria

OUT-H This compound failed outside of acceptance criteria biased high.

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW-846 8270E

Matrix Spike

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Laboratory ID:	T25H377-MS1
Project:	Tom Olivieri Park	Batch:	T25H377
Preparation:	SW-846 3546 (SVOA)	Initial/Final:	15.19 g / 0.5 mL
Source Sample Name:	T5H0552-01	Matrix:	Soil

COMPOUND	True Value (mg/kg	Actual Value (mg/kg	% Recovery	In House LL	In House UL	DKQP LL	DKQP UL	Recovery Flag
Carbazole	0.739	0.420	56.8	25.3	139	70	130	DKQP-L
Chrysene	0.739	0.479	56.0	13	146	70	130	DKQP-L
Chrysene	0.739	0.479	56.0	13	146	70	130	DKQP-L
Dibenzo(a,h)anthracene	0.739	0.341	43.5	10	129	70	130	DKQP-L
Dibenzo(a,h)anthracene	0.739	0.341	43.5	10	129	70	130	DKQP-L
Dibenzofuran	0.739	0.405	54.8	27.9	123	70	130	DKQP-L
Diethyl phthalate	0.739	0.444	60.0	36.3	120	70	130	DKQP-L
Dimethyl phthalate	0.739	0.429	58.0	36.6	116	70	130	DKQP-L
Di-n-butyl phthalate	0.739	0.441	59.6	36.8	124	70	130	DKQP-L
Di-n-octyl phthalate	0.739	0.486	65.8	10	200	70	130	DKQP-L
Fluoranthene	0.739	0.458	52.7	10	162	70	130	DKQP-L
Fluoranthene	0.739	0.458	52.7	10	162	70	130	DKQP-L
Fluorene	0.739	0.414	56.1	25.5	128	70	130	DKQP-L
Fluorene	0.739	0.414	56.1	25.5	128	70	130	DKQP-L
Hexachlorobenzene	0.739	0.385	52.1	36.4	113	70	130	DKQP-L
Hexachlorobutadiene	0.739	0.376	50.8	36.2	105	70	130	DKQP-L
Hexachlorocyclopentadiene	0.739	0.186	25.2	10	143	20	160	
Hexachloroethane	0.739	0.403	54.5	12.7	118	70	130	DKQP-L
Indeno(1,2,3-cd)pyrene	0.739	0.323	40.1	10	137	70	130	DKQP-L
Indeno(1,2,3-cd)pyrene	0.739	0.323	40.1	10	137	70	130	DKQP-L
Isophorone	0.739	0.441	59.7	29.9	119	70	130	DKQP-L
Naphthalene	0.739	0.415	56.2	22.6	125	70	130	DKQP-L
Naphthalene	0.739	0.415	56.2	22.6	125	70	130	DKQP-L
Nitrobenzene	0.739	0.496	67.1	20.5	121	70	130	DKQP-L
N-nitroso-di-n-propylamine	0.739	0.489	66.2	26	119	70	130	DKQP-L
N-Nitrosodiphenylamine / Diphenylamine	0.739	0.421	57.0	21.1	132	70	130	DKQP-L

Qual **Definitions**

DKQP-H This compound failed outside DKQP defined criteria biased high but was within in house defined control limit criteria

DKQP-L This compound failed outside DKQP defined criteria biased low but was within in house defined control limit criteria

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW-846 8270E

Matrix Spike

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Laboratory ID:	T25H377-MS1
Project:	Tom Olivieri Park	Batch:	T25H377
Preparation:	SW-846 3546 (SVOA)	Initial/Final:	15.19 g / 0.5 mL
Source Sample Name:	T5H0552-01	Matrix:	Soil

COMPOUND	True Value (mg/kg	Actual Value (mg/kg	% Recovery	In House LL	In House UL	DKQP LL	DKQP UL	Recovery Flag
Pentachlorophenol	0.739	0.301	40.8	10	126	20	160	
Phenanthrene	0.739	0.477	56.7	10	157	70	130	DKQP-L
Phenanthrene	0.739	0.477	56.7	10	157	70	130	DKQP-L
Phenol	0.739	0.425	57.5	21.5	109	20	160	
Pyrene	0.739	0.539	60.8	10	188	70	130	DKQP-L
Pyrene	0.739	0.539	60.8	10	188	70	130	DKQP-L

Qual **Definitions**

DKQP-L This compound failed outside DKQP defined criteria biased low but was within in house defined control limit criteria

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW-846 8270E

Matrix Spike

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Laboratory ID:	T25H377-MS1
Project:	Tom Olivieri Park	Batch:	T25H377
Preparation:	SW-846 3546 (SVOA)	Initial/Final:	15.19 g / 0.5 mL
Source Sample Name:	T5H0552-01	Matrix:	Soil

Matrix Spike Dup

COMPOUND	TRUE Value (mg/kg	Actual Value (mg/kg	% Recovery	RPD Limit	% RPD #	In House LL	In House UL	DKQP LL	DKQP UL	Recovery Flag
1,1-Biphenyl	0.735	0.442	60.2	30	2.24	32.2	110	70	130	DKQP-L
1,2,4,5-Tetrachlorobenzene	0.368	0.177	48.1	30	1.85	32.7	112	70	130	DKQP-L
1-Methylnaphthalene	0.735	0.408	54.4	30	3.40	24.9	119	70	130	DKQP-L
2,3,4,6-Tetrachlorophenol	0.735	0.355	48.4	30	3.31	34.6	113	70	130	DKQP-L
2,4,5-Trichlorophenol	0.735	0.360	49.0	30	5.34	25.6	121	20	160	
2,4,6-Trichlorophenol	0.735	0.375	51.0	30	4.68	31.7	119	20	160	
2,4-Dichlorophenol	0.735	0.397	54.1	30	7.83	24.1	125	70	130	DKQP-L
2,4-Dimethylphenol	0.735	0.219	29.8	30	47.5	10	142	70	130	DKQP-L
2,4-Dinitrophenol	0.735	ND		30		10	107	20	160	OUT-L
2,4-Dinitrotoluene	0.735	0.393	53.4	30	10.5	23.4	136	70	130	DKQP-L
2,6-Dinitrotoluene	0.735	0.398	54.1	30	2.16	35.6	118	70	130	DKQP-L
2-Chloronaphthalene	0.735	0.419	57.0	30	2.12	32.6	109	70	130	DKQP-L
2-Chlorophenol	0.735	0.407	55.3	30	2.66	18.5	115	70	130	DKQP-L
2-Methylnaphthalene	0.735	0.425	56.0	30	6.99	16.9	135	70	130	DKQP-L
2-Methylnaphthalene	0.735	0.425	56.0	30	6.99	16.9	135	70	130	DKQP-L
2-Methylphenol	0.735	0.384	52.2	30	8.80	25.4	111	70	130	DKQP-L
2-Nitroaniline	0.735	0.455	61.8	30	0.433	33.9	127	20	160	
2-Nitrophenol	0.735	0.328	44.6	30	5.06	14.1	126	70	130	DKQP-L
3- & 4-Methylphenols	0.735	0.422	57.4	30	3.81	24.4	114	70	130	DKQP-L
3,3'-Dichlorobenzidine	0.735	0.318	43.3	30	5.30	10	144	70	130	DKQP-L
3-Nitroaniline	0.735	0.392	53.3	30	0.294	10.3	126	20	160	
4,6-Dinitro-2-methylphenol	0.735	0.187	25.5	30	12.5	10	127	20	160	
4-Bromophenyl phenyl ether	0.735	0.384	52.2	30	0.268	30.5	130	70	130	DKQP-L
4-Chloro-3-methylphenol	0.735	0.424	57.7	30	4.24	17.4	135	70	130	DKQP-L

Qual **Definitions**

DKQP-L This compound failed outside DKQP defined criteria biased low but was within in house defined control limit criteria

OUT-L This compound failed outside of acceptance criteria biased low.

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW-846 8270E

Matrix Spike Dup

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Laboratory ID:	T25H377-MSD1
Project:	Tom Olivieri Park	Batch:	T25H377
Preparation:	SW-846 3546 (SVOA)	Initial/Final:	15.26 g / 0.5 mL
Source Sample Name:	T5H0552-01	Matrix:	Soil

COMPOUND	TRUE Value (mg/kg	Actual Value (mg/kg	% Recovery	RPD Limit	% RPD #	In House LL	In House UL	DKQP LL	DKQP UL	Recovery Flag
4-Chloroaniline	0.735	0.344	46.8	30	1.37	10	121	70	130	DKQP-L
4-Chlorophenyl phenyl ether	0.735	0.391	53.2	30	4.25	41.4	108	70	130	DKQP-L
4-Nitroaniline	0.735	0.520	70.8	30	9.56	10	134	20	160	
4-Nitrophenol	0.735	0.511	69.5	30	3.73	11.2	115	20	160	
Acenaphthene	0.735	0.412	56.0	30	0.616	26.9	119	70	130	DKQP-L
Acenaphthene	0.735	0.412	56.0	30	0.616	26.9	119	70	130	DKQP-L
Acenaphthylene	0.735	0.440	59.9	30	1.22	26.8	122	70	130	DKQP-L
Acenaphthylene	0.735	0.440	59.9	30	1.22	26.8	122	70	130	DKQP-L
Acetophenone	0.735	0.473	64.4	30	5.05	13.8	133	70	130	DKQP-L
Anthracene	0.735	0.429	58.4	30	6.00	20	142	70	130	DKQP-L
Anthracene	0.735	0.429	58.4	30	6.00	20	142	70	130	DKQP-L
Atrazine	0.735	0.443	60.3	30	3.60	30.3	133	70	130	DKQP-L
Benzaldehyde	0.735	2.82	384	30	16.6	10	187	70	130	OUT-H
Benzo(a)anthracene	0.735	0.446	54.9	30	0.0470	16	150	70	130	DKQP-L
Benzo(a)anthracene	0.735	0.446	54.9	30	0.0470	16	150	70	130	DKQP-L
Benzo(a)pyrene	0.735	0.420	50.8	30	2.45	10	155	70	130	DKQP-L
Benzo(a)pyrene	0.735	0.420	50.8	30	2.45	10	155	70	130	DKQP-L
Benzo(b)fluoranthene	0.735	0.492	62.1	30	1.35	10	171	70	130	DKQP-L
Benzo(b)fluoranthene	0.735	0.492	62.1	30	1.35	10	171	70	130	DKQP-L
Benzo(g,h,i)perylene	0.735	0.304	36.6	30	5.51	10	147	70	130	DKQP-L
Benzo(g,h,i)perylene	0.735	0.304	36.6	30	5.51	10	147	70	130	DKQP-L
Benzo(k)fluoranthene	0.735	0.421	52.8	30	1.07	10	161	70	130	DKQP-L
Benzo(k)fluoranthene	0.735	0.421	52.8	30	1.07	10	161	70	130	DKQP-L
Benzyl butyl phthalate	0.735	0.475	64.6	30	3.00	24	167	70	130	DKQP-L
Bis(2-chloroethoxy)methane	0.735	0.411	55.9	30	0.0116	32.2	111	70	130	DKQP-L

Qual **Definitions**

DKQP-L This compound failed outside DKQP defined criteria biased low but was within in house defined control limit criteria

OUT-H This compound failed outside of acceptance criteria biased high.

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW-846 8270E

Matrix Spike Dup

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Laboratory ID:	T25H377-MSD1
Project:	Tom Olivieri Park	Batch:	T25H377
Preparation:	SW-846 3546 (SVOA)	Initial/Final:	15.26 g / 0.5 mL
Source Sample Name:	T5H0552-01	Matrix:	Soil

COMPOUND	TRUE Value (mg/kg	Actual Value (mg/kg	% Recovery	RPD Limit	% RPD #	In House LL	In House UL	DKQP LL	DKQP UL	Recovery Flag
Bis(2-chloroethyl)ether	0.735	0.439	59.8	30	1.48	25.8	110	70	130	DKQP-L
Bis(2-chloroisopropyl)ether	0.735	0.502	68.3	30	1.76	31.4	102	70	130	DKQP-L
Bis(2-ethylhexyl)phthalate	0.735	0.475	64.6	30	3.66	27.3	161	70	130	DKQP-L
Caprolactam	0.735	0.323	43.9	30	16.7	10	133	70	130	DKQP-L
Carbazole	0.735	0.436	59.2	30	3.67	25.3	139	70	130	DKQP-L
Chrysene	0.735	0.481	56.6	30	0.538	13	146	70	130	DKQP-L
Chrysene	0.735	0.481	56.6	30	0.538	13	146	70	130	DKQP-L
Dibenzo(a,h)anthracene	0.735	0.339	43.3	30	0.785	10	129	70	130	DKQP-L
Dibenzo(a,h)anthracene	0.735	0.339	43.3	30	0.785	10	129	70	130	DKQP-L
Dibenzofuran	0.735	0.416	56.6	30	2.68	27.9	123	70	130	DKQP-L
Diethyl phthalate	0.735	0.446	60.6	30	0.534	36.3	120	70	130	DKQP-L
Dimethyl phthalate	0.735	0.449	61.1	30	4.66	36.6	116	70	130	DKQP-L
Di-n-butyl phthalate	0.735	0.446	60.6	30	1.20	36.8	124	70	130	DKQP-L
Di-n-octyl phthalate	0.735	0.488	66.4	30	0.449	10	200	70	130	DKQP-L
Fluoranthene	0.735	0.460	53.2	30	0.423	10	162	70	130	DKQP-L
Fluoranthene	0.735	0.460	53.2	30	0.423	10	162	70	130	DKQP-L
Fluorene	0.735	0.412	56.0	30	0.638	25.5	128	70	130	DKQP-L
Fluorene	0.735	0.412	56.0	30	0.638	25.5	128	70	130	DKQP-L
Hexachlorobenzene	0.735	0.392	53.3	30	1.82	36.4	113	70	130	DKQP-L
Hexachlorobutadiene	0.735	0.385	52.4	30	2.54	36.2	105	70	130	DKQP-L
Hexachlorocyclopentadiene	0.735	0.190	25.8	30	1.70	10	143	20	160	
Hexachloroethane	0.735	0.453	61.6	30	11.7	12.7	118	70	130	DKQP-L
Indeno(1,2,3-cd)pyrene	0.735	0.331	41.4	30	2.47	10	137	70	130	DKQP-L
Indeno(1,2,3-cd)pyrene	0.735	0.331	41.4	30	2.47	10	137	70	130	DKQP-L
Isophorone	0.735	0.457	62.1	30	3.48	29.9	119	70	130	DKQP-L

Qual **Definitions**

DKQP-H This compound failed outside DKQP defined criteria biased high but was within in house defined control limit criteria

DKQP-L This compound failed outside DKQP defined criteria biased low but was within in house defined control limit criteria

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW-846 8270E

Matrix Spike Dup

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Laboratory ID:	T25H377-MSD1
Project:	Tom Olivieri Park	Batch:	T25H377
Preparation:	SW-846 3546 (SVOA)	Initial/Final:	15.26 g / 0.5 mL
Source Sample Name:	T5H0552-01	Matrix:	Soil

COMPOUND	TRUE Value (mg/kg	Actual Value (mg/kg	% Recovery	RPD Limit	% RPD #	In House LL	In House UL	DKQP LL	DKQP UL	Recovery Flag
Naphthalene	0.735	0.430	58.6	30	3.55	22.6	125	70	130	DKQP-L
Naphthalene	0.735	0.430	58.6	30	3.55	22.6	125	70	130	DKQP-L
Nitrobenzene	0.735	0.511	69.5	30	2.98	20.5	121	70	130	DKQP-L
N-nitroso-di-n-propylamine	0.735	0.491	66.8	30	0.367	26	119	70	130	DKQP-L
N-Nitrosodiphenylamine / Diphenylamine	0.735	0.440	59.8	30	4.25	21.1	132	70	130	DKQP-L
Pentachlorophenol	0.735	0.307	41.8	30	1.96	10	126	20	160	
Phenanthrene	0.735	0.475	56.7	30	0.460	10	157	70	130	DKQP-L
Phenanthrene	0.735	0.475	56.7	30	0.460	10	157	70	130	DKQP-L
Phenol	0.735	0.445	60.6	30	4.71	21.5	109	20	160	
Pyrene	0.735	0.538	60.9	30	0.186	10	188	70	130	DKQP-L
Pyrene	0.735	0.538	60.9	30	0.186	10	188	70	130	DKQP-L

Qual **Definitions**

DKQP-L This compound failed outside DKQP defined criteria biased low but was within in house defined control limit criteria

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW-846 8270E

Matrix Spike Dup

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Laboratory ID:	T25H377-MSD1
Project:	Tom Olivieri Park	Batch:	T25H377
Preparation:	SW-846 3546 (SVOA)	Initial/Final:	15.26 g / 0.5 mL
Source Sample Name:	T5H0552-01	Matrix:	Soil

FORM III LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory: York Analytical Laboratories- Toms River
Client: Kenny Environmental Services
Project: Tom Olivieri Park
Batch: T25H377
Preparation: SW-846 3546 (SVOA)

SDG: T5H0412
Laboratory ID: T25H377-BS1
Initial/Final: 15.22 g / 0.5 mL
Matrix: Soil

COMPOUND	TRUE Value (mg/kg	Actual Value (mg/kg	% Recovery	In House LL	In House UL	DKQP LL	DKQP UL	Recovery Flag
1,1-Biphenyl	0.657	0.384	58.4	44.9	103	70	130	DKQP-L
1,2,4,5-Tetrachlorobenzene	0.329	0.146	44.4	41.9	106	70	130	DKQP-L
1-Methylnaphthalene	0.657	0.346	52.7	48.2	104	70	130	DKQP-L
2,3,4,6-Tetrachlorophenol	0.657	0.318	48.4	47.3	108	70	130	DKQP-L
2,4,5-Trichlorophenol	0.657	0.337	51.4	46.8	106	20	160	
2,4,6-Trichlorophenol	0.657	0.338	51.5	46.1	108	20	160	
2,4-Dichlorophenol	0.657	0.316	48.0	45.9	108	70	130	DKQP-L
2,4-Dimethylphenol	0.657	0.364	55.4	27.7	126	70	130	DKQP-L
2,4-Dinitrophenol	0.657	0.219	33.4	10	120	20	160	
2,4-Dinitrotoluene	0.657	0.351	53.4	51.2	114	70	130	DKQP-L
2,6-Dinitrotoluene	0.657	0.366	55.6	51.1	109	70	130	DKQP-L
2-Chloronaphthalene	0.657	0.359	54.6	46.1	100	70	130	DKQP-L
2-Chlorophenol	0.657	0.309	47.0	41.8	104	70	130	DKQP-L
2-Methylnaphthalene	0.657	0.357	54.4	45.4	106	70	130	DKQP-L
2-Methylnaphthalene	0.657	0.357	54.4	45.4	106	70	130	DKQP-L
2-Methylphenol	0.657	0.332	50.5	36.9	108	70	130	DKQP-L
2-Nitroaniline	0.657	0.378	57.6	46.8	113	20	160	
2-Nitrophenol	0.657	0.326	49.6	36.6	113	70	130	DKQP-L
3- & 4-Methylphenols	0.657	0.372	56.6	41.2	106	70	130	DKQP-L
3,3'-Dichlorobenzidine	0.657	0.338	51.4	41.6	122	70	130	DKQP-L
3-Nitroaniline	0.657	0.401	61.0	37.8	111	20	160	
4,6-Dinitro-2-methylphenol	0.657	0.243	37.0	32.6	119	20	160	
4-Bromophenyl phenyl ether	0.657	0.350	53.3	34.3	130	70	130	DKQP-L
4-Chloro-3-methylphenol	0.657	0.367	55.9	49.8	109	70	130	DKQP-L
4-Chloroaniline	0.657	0.331	50.4	46.8	111	70	130	DKQP-L

Qual **Definitions**
DKQP-L This compound failed outside DKQP defined criteria biased low but was within in house defined control limit criteria

FORM III LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory: York Analytical Laboratories- Toms River
Client: Kenny Environmental Services
Project: Tom Olivieri Park
Batch: T25H377
Preparation: SW-846 3546 (SVOA)

SDG: T5H0412
Laboratory ID: T25H377-BS1
Initial/Final: 15.22 g / 0.5 mL
Matrix: Soil

COMPOUND	TRUE Value (mg/kg	Actual Value (mg/kg	% Recovery	In House LL	In House UL	DKQP LL	DKQP UL	Recovery Flag
4-Chlorophenyl phenyl ether	0.657	0.347	52.7	49.9	104	70	130	DKQP-L
4-Nitroaniline	0.657	0.414	63.0	34.5	121	20	160	
4-Nitrophenol	0.657	0.489	74.4	33	115	20	160	
Acenaphthene	0.657	0.374	56.9	48.4	102	70	130	DKQP-L
Acenaphthene	0.657	0.374	56.9	48.4	102	70	130	DKQP-L
Acenaphthylene	0.657	0.379	57.7	48	107	70	130	DKQP-L
Acenaphthylene	0.657	0.379	57.7	48	107	70	130	DKQP-L
Acetophenone	0.657	0.379	57.6	39.2	110	70	130	DKQP-L
Anthracene	0.657	0.375	57.2	50.2	112	70	130	DKQP-L
Anthracene	0.657	0.375	57.2	50.2	112	70	130	DKQP-L
Atrazine	0.657	0.429	65.2	48.4	122	70	130	DKQP-L
Benzaldehyde	0.657	0.340	51.8	10	132	70	130	DKQP-L
Benzo(a)anthracene	0.657	0.369	56.1	50.4	112	70	130	DKQP-L
Benzo(a)anthracene	0.657	0.369	56.1	50.4	112	70	130	DKQP-L
Benzo(a)pyrene	0.657	0.365	55.6	51.8	112	70	130	DKQP-L
Benzo(a)pyrene	0.657	0.365	55.6	51.8	112	70	130	DKQP-L
Benzo(b)fluoranthene	0.657	0.425	64.7	49.1	111	70	130	DKQP-L
Benzo(b)fluoranthene	0.657	0.425	64.7	49.1	111	70	130	DKQP-L
Benzo(g,h,i)perylene	0.657	0.230	35.0	39.1	124	70	130	OUT-L
Benzo(g,h,i)perylene	0.657	0.230	35.0	39.1	124	70	130	OUT-L
Benzo(k)fluoranthene	0.657	0.378	57.6	51.8	112	70	130	DKQP-L
Benzo(k)fluoranthene	0.657	0.378	57.6	51.8	112	70	130	DKQP-L
Benzyl butyl phthalate	0.657	0.404	61.5	46.9	122	70	130	DKQP-L
Bis(2-chloroethoxy)methane	0.657	0.368	56.0	44.7	103	70	130	DKQP-L
Bis(2-chloroethyl)ether	0.657	0.336	51.1	39.1	100	70	130	DKQP-L

Qual **Definitions**
DKQP-L This compound failed outside DKQP defined criteria biased low but was within in house defined control limit criteria
OUT-L This compound failed outside of acceptance criteria biased low.

FORM III LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory: York Analytical Laboratories- Toms River
Client: Kenny Environmental Services
Project: Tom Olivieri Park
Batch: T25H377
Preparation: SW-846 3546 (SVOA)

SDG: T5H0412
Laboratory ID: T25H377-BS1
Initial/Final: 15.22 g / 0.5 mL
Matrix: Soil

COMPOUND	TRUE Value (mg/kg	Actual Value (mg/kg	% Recovery	In House LL	In House UL	DKQP LL	DKQP UL	Recovery Flag
Bis(2-chloroisopropyl)ether	0.657	0.398	60.5	37.1	103	70	130	DKQP-L
Bis(2-ethylhexyl)phthalate	0.657	0.417	63.4	47	124	70	130	DKQP-L
Caprolactam	0.657	0.383	58.3	35.6	119	70	130	DKQP-L
Carbazole	0.657	0.380	57.9	48.3	116	70	130	DKQP-L
Chrysene	0.657	0.384	58.4	52	106	70	130	DKQP-L
Chrysene	0.657	0.384	58.4	52	106	70	130	DKQP-L
Dibenzo(a,h)anthracene	0.657	0.286	43.6	48.2	114	70	130	OUT-L
Dibenzo(a,h)anthracene	0.657	0.286	43.6	48.2	114	70	130	OUT-L
Dibenzofuran	0.657	0.367	55.9	47.8	103	70	130	DKQP-L
Diethyl phthalate	0.657	0.421	64.2	46.6	114	70	130	DKQP-L
Dimethyl phthalate	0.657	0.377	57.4	50.4	109	70	130	DKQP-L
Di-n-butyl phthalate	0.657	0.395	60.1	48.9	117	70	130	DKQP-L
Di-n-octyl phthalate	0.657	0.435	66.2	37.3	131	70	130	DKQP-L
Fluoranthene	0.657	0.357	54.3	49.2	115	70	130	DKQP-L
Fluoranthene	0.657	0.357	54.3	49.2	115	70	130	DKQP-L
Fluorene	0.657	0.363	55.3	50.8	105	70	130	DKQP-L
Fluorene	0.657	0.363	55.3	50.8	105	70	130	DKQP-L
Hexachlorobenzene	0.657	0.356	54.2	48.3	105	70	130	DKQP-L
Hexachlorobutadiene	0.657	0.304	46.2	39.4	107	70	130	DKQP-L
Hexachlorocyclopentadiene	0.657	0.185	28.2	10	151	20	160	
Hexachloroethane	0.657	0.316	48.0	37.8	102	70	130	DKQP-L
Indeno(1,2,3-cd)pyrene	0.657	0.279	42.4	47.2	112	70	130	OUT-L
Indeno(1,2,3-cd)pyrene	0.657	0.279	42.4	47.2	112	70	130	OUT-L
Isophorone	0.657	0.406	61.8	45	110	70	130	DKQP-L
Naphthalene	0.657	0.340	51.7	44.8	102	70	130	DKQP-L

Qual **Definitions**
DKQP-L This compound failed outside DKQP defined criteria biased low but was within in house defined control limit criteria
OUT-L This compound failed outside of acceptance criteria biased low.

FORM III LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Laboratory ID:	T25H377-BS1
Project:	Tom Olivieri Park	Initial/Final:	15.22 g / 0.5 mL
Batch:	T25H377	Matrix:	Soil
Preparation:	SW-846 3546 (SVOA)		

COMPOUND	TRUE Value (mg/kg	Actual Value (mg/kg	% Recovery	In House LL	In House UL	DKQP LL	DKQP UL	Recovery Flag
Naphthalene	0.657	0.340	51.7	44.8	102	70	130	DKQP-L
Nitrobenzene	0.657	0.397	60.3	39.3	109	70	130	DKQP-L
N-nitroso-di-n-propylamine	0.657	0.423	64.5	41.5	108	70	130	DKQP-L
N-Nitrosodiphenylamine / Diphenylamine	0.657	0.377	57.3	49	108	70	130	DKQP-L
Pentachlorophenol	0.657	0.283	43.0	10	122	20	160	
Phenanthrene	0.657	0.384	58.4	50.1	105	70	130	DKQP-L
Phenanthrene	0.657	0.384	58.4	50.1	105	70	130	DKQP-L
Phenol	0.657	0.354	53.8	32.5	110	20	160	
Pyrene	0.657	0.394	60.0	47.4	111	70	130	DKQP-L
Pyrene	0.657	0.394	60.0	47.4	111	70	130	DKQP-L

Qual **Definitions**

DKQP-L This compound failed outside DKQP defined criteria biased low but was within in house defined control limit criteria

FORM IV **PREPARATION BATCH SUMMARY**

SW-846 8270E

Laboratory: York Analytical Laboratories- Toms River SDG: T5H0412

Client: Kenny Environmental Services Project: Tom Olivieri Park

Batch: T25H377 Batch Matrix: Soil Preparation: SW-846 3546 (SVOA)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	T25H377-BLK1	Q011675.D	08/15/25 17:12	
Blank	T25H377-BLK1	Q011675.D	08/15/25 17:12	
LCS	T25H377-BS1	Q011676.D	08/15/25 17:12	
LCS	T25H377-BS1	Q011676.D	08/15/25 17:12	
Matrix Spike	T25H377-MS1	Q011677.D	08/15/25 17:12	
Matrix Spike	T25H377-MS1	Q011677.D	08/15/25 17:12	
Matrix Spike Dup	T25H377-MSD1	Q011678.D	08/15/25 17:12	
Matrix Spike Dup	T25H377-MSD1	Q011678.D	08/15/25 17:12	
S-1	T5H0412-01	Q011679.D	08/15/25 17:12	BNA
S-2	T5H0412-02	Q011680.D	08/15/25 17:12	PAH

FORM I

METHOD BLANK DATA SHEET

SW-846 8270E

Laboratory:	York Analytical Laboratories- Toms River			SDG:	T5H0412
Client:	Kenny Environmental Services			Laboratory ID:	T25H377-BLK1
Project:	Tom Olivieri Park			Calibration:	TH50011
Preparation:	SW-846 3546 (SVOA)	Prepared:	08/15/25 17:12	File ID:	Q011675.D
Instrument:	GCMS-Q	Analyzed:	08/22/25 21:54	Initial/Final:	15.2 g / 0.5 mL
Batch:	T25H377	Sequence:	TH50380	Matrix:	Soil

Analyzed by: York Analytical Laboratories- Toms River

Semivolatile Organic Compounds (BNs) by GC/MS

Sample Prepared by Method: SW-846 3546 (SVOA)

Results Reported to MDL

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		mg/kg wet	0.0329	0.0103	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
83-32-9	Acenaphthene	ND		mg/kg wet	0.0329	0.00770	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
208-96-8	Acenaphthylene	ND		mg/kg wet	0.0329	0.00651	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
120-12-7	Anthracene	ND		mg/kg wet	0.0329	0.00622	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
56-55-3	Benzo(a)anthracene	ND		mg/kg wet	0.0329	0.00760	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
50-32-8	Benzo(a)pyrene	ND		mg/kg wet	0.0329	0.0135	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
205-99-2	Benzo(b)fluoranthene	ND		mg/kg wet	0.0329	0.0152	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg wet	0.0329	0.00454	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
207-08-9	Benzo(k)fluoranthene	ND		mg/kg wet	0.0329	0.0112	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
218-01-9	Chrysene	ND		mg/kg wet	0.0329	0.00918	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg wet	0.0329	0.00868	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
206-44-0	Fluoranthene	ND		mg/kg wet	0.0329	0.00701	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
86-73-7	Fluorene	ND		mg/kg wet	0.0329	0.00859	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg wet	0.0329	0.00819	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
91-20-3	Naphthalene	ND		mg/kg wet	0.0329	0.00641	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
85-01-8	Phenanthrene	ND		mg/kg wet	0.0329	0.00888	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
129-00-0	Pyrene	ND		mg/kg wet	0.0329	0.00770	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP

	Surrogate Recoveries	Result	Acceptance Range
118-79-6	SURR: 2,4,6-Tribromophenol	*102 %*	*13.5-117*
321-60-8	SURR: 2-Fluorobiphenyl	*26.8 %*	*13-135*
367-12-4	SURR: 2-Fluorophenol	*73.3 %*	*12.9-116*
4165-60-0	SURR: Nitrobenzene-d5	*17.4 %*	*10-144*
13127-88-3	SURR: Phenol-d6	*79.2 %*	*14-107*
1718-51-0	SURR: Terphenyl-d14	*70.6 %*	*10-192*

Semivolatile Organic Compounds by GC/MS

Sample Prepared by Method: SW-846 3546 (SVOA)

Results Reported to MDL

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg wet	0.0329	0.0107	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg wet	0.0822	0.0133	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
90-12-0	1-Methylnaphthalene	ND		mg/kg wet	0.0329	0.00641	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg wet	0.0329	0.00997	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg wet	0.0329	0.00701	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg wet	0.0329	0.00947	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
120-83-2	2,4-Dichlorophenol	ND		mg/kg wet	0.0329	0.00572	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
105-67-9	2,4-Dimethylphenol	ND		mg/kg wet	0.0329	0.00543	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
51-28-5	2,4-Dinitrophenol	ND		mg/kg wet	0.165	0.0448	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
121-14-2	2,4-Dinitrotoluene	ND		mg/kg wet	0.165	0.0310	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP

FORM I

METHOD BLANK DATA SHEET

SW-846 8270E

Laboratory:	York Analytical Laboratories- Toms River			SDG:	T5H0412
Client:	Kenny Environmental Services			Laboratory ID:	T25H377-BLK1
Project:	Tom Olivieri Park			Calibration:	TH50011
Preparation:	SW-846 3546 (SVOA)	Prepared:	08/15/25 17:12	File ID:	Q011675.D
Instrument:	GCMS-Q	Analyzed:	08/22/25 21:54	Initial/Final:	15.2 g / 0.5 mL
Batch:	T25H377	Sequence:	TH50380	Matrix:	Soil

Semivolatile Organic Compounds by GC/MS

Sample Prepared by Method: SW-846 3546 (SVOA)

Results Reported to MDL

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		mg/kg wet	0.165	0.0342	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
91-58-7	2-Chloronaphthalene	ND		mg/kg wet	0.0329	0.00928	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
95-57-8	2-Chlorophenol	ND		mg/kg wet	0.0329	0.00691	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
91-57-6	2-Methylnaphthalene	ND		mg/kg wet	0.0329	0.0103	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
95-48-7	2-Methylphenol	ND		mg/kg wet	0.0329	0.00444	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
88-74-4	2-Nitroaniline	ND		mg/kg wet	0.165	0.0280	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
88-75-5	2-Nitrophenol	ND		mg/kg wet	0.165	0.0325	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
65794-96-9	3- & 4-Methylphenols	ND		mg/kg wet	0.0329	0.00770	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
91-94-1	3,3'-Dichlorobenzidine	ND		mg/kg wet	0.0329	0.0133	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
99-09-2	3-Nitroaniline	ND		mg/kg wet	0.165	0.0240	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg wet	0.165	0.0255	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg wet	0.0329	0.00898	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg wet	0.0329	0.00730	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
106-47-8	4-Chloroaniline	ND		mg/kg wet	0.0329	0.00711	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg wet	0.0329	0.00602	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
100-01-6	4-Nitroaniline	ND		mg/kg wet	0.165	0.0402	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
100-02-7	4-Nitrophenol	ND		mg/kg wet	0.165	0.0396	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
83-32-9	Acenaphthene	ND		mg/kg wet	0.0329	0.00770	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
208-96-8	Acenaphthylene	ND		mg/kg wet	0.0329	0.00651	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
98-86-2	Acetophenone	ND		mg/kg wet	0.0329	0.00740	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
120-12-7	Anthracene	ND		mg/kg wet	0.0329	0.00622	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
1912-24-9	Atrazine	ND		mg/kg wet	0.0329	0.00760	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
100-52-7	Benzaldehyde	ND		mg/kg wet	0.165	0.0196	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
56-55-3	Benzo(a)anthracene	ND		mg/kg wet	0.0329	0.00760	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
50-32-8	Benzo(a)pyrene	ND		mg/kg wet	0.0329	0.0135	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
205-99-2	Benzo(b)fluoranthene	ND		mg/kg wet	0.0329	0.0152	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg wet	0.0329	0.00454	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
207-08-9	Benzo(k)fluoranthene	ND		mg/kg wet	0.0329	0.0112	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
85-68-7	Benzyl butyl phthalate	ND		mg/kg wet	0.0329	0.00918	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg wet	0.0329	0.00553	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg wet	0.0329	0.00582	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg wet	0.0329	0.00720	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg wet	0.0329	0.00849	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
105-60-2	Caprolactam	ND		mg/kg wet	0.165	0.0436	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
86-74-8	Carbazole	ND		mg/kg wet	0.0329	0.00720	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
218-01-9	Chrysene	ND		mg/kg wet	0.0329	0.00918	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg wet	0.0329	0.00868	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
132-64-9	Dibenzofuran	ND		mg/kg wet	0.0329	0.00720	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
84-66-2	Diethyl phthalate	ND		mg/kg wet	0.0329	0.00928	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
131-11-3	Dimethyl phthalate	ND		mg/kg wet	0.0329	0.00918	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
84-74-2	Di-n-butyl phthalate	ND		mg/kg wet	0.0329	0.00572	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
117-84-0	Di-n-octyl phthalate	ND		mg/kg wet	0.0329	0.00691	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
206-44-0	Fluoranthene	ND		mg/kg wet	0.0329	0.00701	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
86-73-7	Fluorene	ND		mg/kg wet	0.0329	0.00859	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
118-74-1	Hexachlorobenzene	ND		mg/kg wet	0.0329	0.00661	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
87-68-3	Hexachlorobutadiene	ND		mg/kg wet	0.0329	0.0131	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP

FORM I

METHOD BLANK DATA SHEET

SW-846 8270E

Laboratory:	York Analytical Laboratories- Toms River			SDG:	T5H0412
Client:	Kenny Environmental Services			Laboratory ID:	T25H377-BLK1
Project:	Tom Olivieri Park			Calibration:	TH50011
Preparation:	SW-846 3546 (SVOA)	Prepared:	08/15/25 17:12	File ID:	Q011675.D
Instrument:	GCMS-Q	Analyzed:	08/22/25 21:54	Initial/Final:	15.2 g / 0.5 mL
Batch:	T25H377	Sequence:	TH50380	Matrix:	Soil

Semivolatile Organic Compounds by GC/MS
Sample Prepared by Method: SW-846 3546 (SVOA)

Results Reported to MDL

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg wet	0.165	0.0273	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
67-72-1	Hexachloroethane	ND		mg/kg wet	0.0329	0.00809	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg wet	0.0329	0.00819	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
78-59-1	Isophorone	ND		mg/kg wet	0.0329	0.00878	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
91-20-3	Naphthalene	ND		mg/kg wet	0.0329	0.00641	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
98-95-3	Nitrobenzene	ND		mg/kg wet	0.0329	0.0329	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg wet	0.0329	0.00681	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
86-30-6	N-Nitrosodiphenylamine / Diphenylamine	ND		mg/kg wet	0.0329	0.00720	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
87-86-5	Pentachlorophenol	ND		mg/kg wet	0.165	0.0242	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
85-01-8	Phenanthrene	ND		mg/kg wet	0.0329	0.00888	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
108-95-2	Phenol	ND		mg/kg wet	0.0329	0.00780	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
129-00-0	Pyrene	ND		mg/kg wet	0.0329	0.00770	1	SW-846 8270E	08/15/25 17:12	08/22/25 21:54	IAP
	Total Tentatively Identified Compounds	0	J								

	Surrogate Recoveries	Result	Acceptance Range
118-79-6	SURR: 2,4,6-Tribromophenol	*102 %*	*13.5-117*
321-60-8	SURR: 2-Fluorobiphenyl	*26.8 %*	*13-135*
367-12-4	SURR: 2-Fluorophenol	*73.3 %*	*12.9-116*
4165-60-0	SURR: Nitrobenzene-d5	*17.4 %*	*10-144*
13127-88-3	SURR: Phenol-d6	*79.2 %*	*14-107*
1718-51-0	SURR: Terphenyl-d14	*70.6 %*	*10-192*

Quantitation Report (QT Reviewed)

Data File : I:\GCMS\GCMS-Q\20250822\Q011675.D Vial: 85
Acq On : 22 Aug 2025 09:54 pm Operator: IAP
Sample : T25H377-BLK1 Inst : GCMS-Q
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 25 8:07 2025 Quant Results File: QBNA0813.RES

Quant Method : I:\GCMS\GCMS-Q\METHODS\QBNA0813.M (RTE Integrator)
Title : BNA Calibration
Last Update : Wed Aug 13 15:14:57 2025
Response via : Initial Calibration
DataAcq Meth : QBNARUN.M

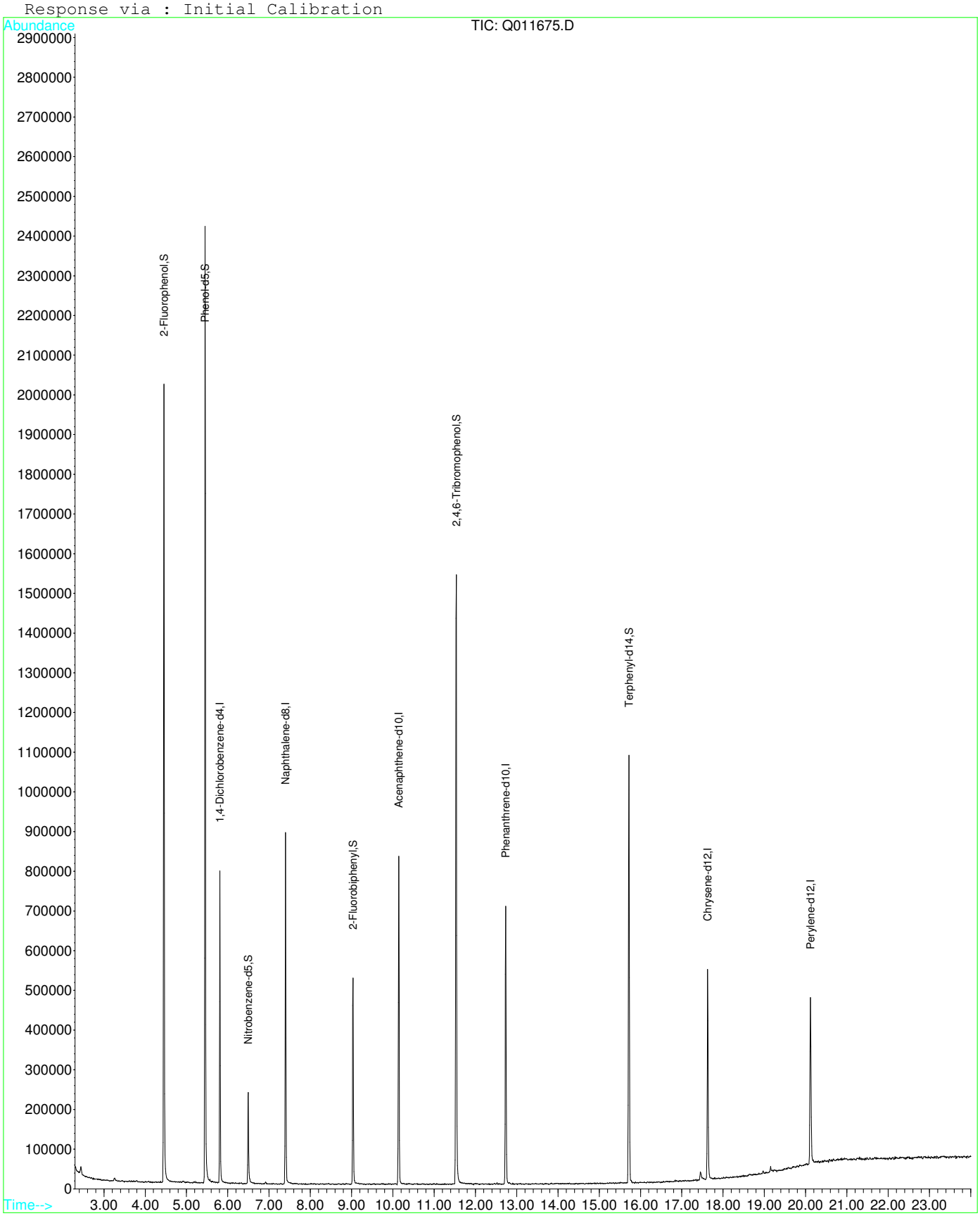
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.81	152	107217	40.00	ng/uL	0.00
21) Naphthalene-d8	7.40	136	445705	40.00	ng/uL	0.00
39) Acenaphthene-d10	10.14	164	213014	40.00	ng/uL	0.00
62) Phenanthrene-d10	12.74	188	315686	40.00	ng/uL	0.00
76) Chrysene-d12	17.63	240	231347	40.00	ng/uL	-0.02
85) Perylene-d12	20.12	264	218102	40.00	ng/uL	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	4.45	112	509420	146.51	ng/uL	0.00
Spiked Amount 200.000			Recovery = 73.25%			
7) Phenol-d5	5.45	99	679301	158.49	ng/uL	-0.02
Spiked Amount 200.000			Recovery = 79.25%			
22) Nitrobenzene-d5	6.50	82	97767	18.99	ng/uL	0.00
Spiked Amount 100.000			Recovery = 18.99%			
44) 2-Fluorobiphenyl	9.04	172	188250	26.23	ng/uL	0.00
Spiked Amount 100.000			Recovery = 26.23%			
66) 2,4,6-Tribromophenol	11.54	330	149421	203.64	ng/uL	0.00
Spiked Amount 200.000			Recovery = 101.82%			
79) Terphenyl-d14	15.72	244	358424	70.46	ng/uL	0.00
Spiked Amount 100.000			Recovery = 70.46%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : I:\GCMS\GCMS-Q\20250822\Q011675.D Vial: 85
Acq On : 22 Aug 2025 09:54 pm Operator: IAP
Sample : T25H377-BLK1 Inst : GCMS-Q
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 25 8:07 2025 Quant Results File: QBNA0813.RES

Method : I:\GCMS\GCMS-Q\METHODS\QBNA0813.M (RTE Integrator)
Title : BNA Calibration
Last Update : Wed Aug 13 15:14:57 2025
Response via : Initial Calibration



FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW-846 8270E

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Project:	Tom Olivieri Park
Lab File ID:	Q011524.D	Injection Date:	08/13/25
Instrument ID:	GCMS-Q	Injection Time:	10:14
Sequence:	TH50203	Lab Sample ID:	TH50203-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
68	Less than 2% of 69		
68	Less than 2% of 69		
69	Base peak, 100% relative abundance		
69	Base peak, 100% relative abundance		
70	Less than 2% of 69		
70	Less than 2% of 69		
197	Less than 2% of 198		
197	Less than 2% of 198		
198	Base peak, 100% relative abundance		
198	Base peak, 100% relative abundance		
199	5 - 9% of 198		
199	5 - 9% of 198		
365	1 - 100% of 198		
365	1 - 100% of 198		
441	Less than 150% of 443		
441	Less than 150% of 443		
442	Base peak, 100% relative abundance		
442	Base peak, 100% relative abundance		
443	15 - 24% of 442		
443	15 - 24% of 442		

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

SW-846 8270E

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Project:	Tom Olivieri Park
Sequence:	TH50203	Instrument:	GCMS-Q
		Calibration:	TH50011

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	TH50203-TUN1	Q011524.D	08/13/25 10:14
MS Tune	TH50203-TUN1	Q011524.D	08/13/25 10:14
Cal Standard	TH50203-CAL1	Q011525.D	08/13/25 10:44
Cal Standard	TH50203-CAL1	Q011525.D	08/13/25 10:44
Cal Standard	TH50203-CAL2	Q011526.D	08/13/25 11:13
Cal Standard	TH50203-CAL2	Q011526.D	08/13/25 11:13
Cal Standard	TH50203-CAL3	Q011527.D	08/13/25 11:42
Cal Standard	TH50203-CAL3	Q011527.D	08/13/25 11:42
Cal Standard	TH50203-CAL4	Q011528.D	08/13/25 12:12
Cal Standard	TH50203-CAL4	Q011528.D	08/13/25 12:12
Cal Standard	TH50203-CAL5	Q011529.D	08/13/25 12:41
Cal Standard	TH50203-CAL5	Q011529.D	08/13/25 12:41
Cal Standard	TH50203-CAL6	Q011530.D	08/13/25 13:11
Cal Standard	TH50203-CAL6	Q011530.D	08/13/25 13:11
Cal Standard	TH50203-CAL7	Q011531.D	08/13/25 13:40
Cal Standard	TH50203-CAL7	Q011531.D	08/13/25 13:40
Cal Standard	TH50203-CAL8	Q011532.D	08/13/25 14:10
Cal Standard	TH50203-CAL8	Q011532.D	08/13/25 14:10
Initial Cal Check	TH50203-ICV1	Q011533.D	08/13/25 14:39
Initial Cal Check	TH50203-ICV1	Q011533.D	08/13/25 14:39

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

SW-846 8270E

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Project:	Tom Olivieri Park
Sequence:	TH50380	Instrument:	GCMS-Q
		Calibration:	TH50011

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	TH50380-CCV1	Q011660.D	08/22/25 14:33
Calibration Check	TH50380-CCV1	Q011660.D	08/22/25 14:33
Blank	T25H377-BLK1	Q011675.D	08/22/25 21:54
Blank	T25H377-BLK1	Q011675.D	08/22/25 21:54
LCS	T25H377-BS1	Q011676.D	08/22/25 22:23
LCS	T25H377-BS1	Q011676.D	08/22/25 22:23
Matrix Spike	T25H377-MS1	Q011677.D	08/22/25 22:53
Matrix Spike	T25H377-MS1	Q011677.D	08/22/25 22:53
Matrix Spike Dup	T25H377-MSD1	Q011678.D	08/22/25 23:22
Matrix Spike Dup	T25H377-MSD1	Q011678.D	08/22/25 23:22
S-1	T5H0412-01	Q011679.D	08/22/25 23:52
S-2	T5H0412-02	Q011680.D	08/23/25 00:21

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

SW-846 8270E

Laboratory: York Analytical Laboratories- Toms River
SDG: T5H0412
Client: Kenny Environmental Services
Project: Tom Olivieri Park
Sequence: TH50203
Instrument: GCMS-Q
Calibration: TH50011

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (TH50203-CAL1)			Lab File ID: Q011525.D			Analyzed: 08/13/25 10:44			
ISTD: 1,4-Dichlorobenzene-d4	142268	5.81	151685	5.81	94	50 - 200	0.0000	+/-0.50	
ISTD: 1,4-Dichlorobenzene-d4	142268	5.81	151685	5.81	94	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	547491	7.4	602076	7.4	91	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	547491	7.4	602076	7.4	91	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	280356	10.15	312362	10.15	90	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	280356	10.15	312362	10.15	90	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	416268	12.75	474213	12.75	88	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	416268	12.75	474213	12.75	88	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	367014	17.64	393139	17.64	93	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	367014	17.64	393139	17.64	93	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	354428	20.14	378830	20.14	94	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	354428	20.14	378830	20.14	94	50 - 200	0.0000	+/-0.50	
Cal Standard (TH50203-CAL2)			Lab File ID: Q011526.D			Analyzed: 08/13/25 11:13			
ISTD: 1,4-Dichlorobenzene-d4	151984	5.81	151685	5.81	100	50 - 200	0.0000	+/-0.50	
ISTD: 1,4-Dichlorobenzene-d4	151984	5.81	151685	5.81	100	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	603366	7.4	602076	7.4	100	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	603366	7.4	602076	7.4	100	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	307984	10.15	312362	10.15	99	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	307984	10.15	312362	10.15	99	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	451004	12.75	474213	12.75	95	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	451004	12.75	474213	12.75	95	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	400418	17.64	393139	17.64	102	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	400418	17.64	393139	17.64	102	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	371918	20.14	378830	20.14	98	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	371918	20.14	378830	20.14	98	50 - 200	0.0000	+/-0.50	

FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8270E

Laboratory: York Analytical Laboratories- Toms River
SDG: T5H0412
Client: Kenny Environmental Services
Project: Tom Olivieri Park
Sequence: TH50203
Instrument: GCMS-Q
Calibration: TH50011

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (TH50203-CAL3)			Lab File ID: Q011527.D			Analyzed: 08/13/25 11:42			
ISTD: 1,4-Dichlorobenzene-d4	156404	5.81	151685	5.81	103	50 - 200	0.0000	+/-0.50	
ISTD: 1,4-Dichlorobenzene-d4	156404	5.81	151685	5.81	103	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	612173	7.4	602076	7.4	102	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	612173	7.4	602076	7.4	102	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	317421	10.15	312362	10.15	102	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	317421	10.15	312362	10.15	102	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	473402	12.75	474213	12.75	100	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	473402	12.75	474213	12.75	100	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	401863	17.64	393139	17.64	102	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	401863	17.64	393139	17.64	102	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	380050	20.14	378830	20.14	100	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	380050	20.14	378830	20.14	100	50 - 200	0.0000	+/-0.50	
Cal Standard (TH50203-CAL4)			Lab File ID: Q011528.D			Analyzed: 08/13/25 12:12			
ISTD: 1,4-Dichlorobenzene-d4	151685	5.81	151685	5.81	100	50 - 200	0.0000	+/-0.50	
ISTD: 1,4-Dichlorobenzene-d4	151685	5.81	151685	5.81	100	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	602076	7.4	602076	7.4	100	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	602076	7.4	602076	7.4	100	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	312362	10.15	312362	10.15	100	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	312362	10.15	312362	10.15	100	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	474213	12.75	474213	12.75	100	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	474213	12.75	474213	12.75	100	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	393139	17.64	393139	17.64	100	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	393139	17.64	393139	17.64	100	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	378830	20.14	378830	20.14	100	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	378830	20.14	378830	20.14	100	50 - 200	0.0000	+/-0.50	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

SW-846 8270E

Laboratory: York Analytical Laboratories- Toms River
SDG: T5H0412
Client: Kenny Environmental Services
Project: Tom Olivieri Park
Sequence: TH50203
Instrument: GCMS-Q
Calibration: TH50011

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (TH50203-CAL5)			Lab File ID: Q011529.D			Analyzed: 08/13/25 12:41			
ISTD: 1,4-Dichlorobenzene-d4	155352	5.81	151685	5.81	102	50 - 200	0.0000	+/-0.50	
ISTD: 1,4-Dichlorobenzene-d4	155352	5.81	151685	5.81	102	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	618080	7.4	602076	7.4	103	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	618080	7.4	602076	7.4	103	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	318185	10.15	312362	10.15	102	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	318185	10.15	312362	10.15	102	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	499226	12.75	474213	12.75	105	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	499226	12.75	474213	12.75	105	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	407838	17.64	393139	17.64	104	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	407838	17.64	393139	17.64	104	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	388151	20.14	378830	20.14	102	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	388151	20.14	378830	20.14	102	50 - 200	0.0000	+/-0.50	
Cal Standard (TH50203-CAL6)			Lab File ID: Q011530.D			Analyzed: 08/13/25 13:11			
ISTD: 1,4-Dichlorobenzene-d4	156223	5.81	151685	5.81	103	50 - 200	0.0000	+/-0.50	
ISTD: 1,4-Dichlorobenzene-d4	156223	5.81	151685	5.81	103	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	615366	7.4	602076	7.4	102	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	615366	7.4	602076	7.4	102	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	314905	10.15	312362	10.15	101	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	314905	10.15	312362	10.15	101	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	489709	12.75	474213	12.75	103	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	489709	12.75	474213	12.75	103	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	397274	17.64	393139	17.64	101	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	397274	17.64	393139	17.64	101	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	383073	20.14	378830	20.14	101	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	383073	20.14	378830	20.14	101	50 - 200	0.0000	+/-0.50	

FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8270E

Laboratory: York Analytical Laboratories- Toms River
SDG: T5H0412
Client: Kenny Environmental Services
Project: Tom Olivieri Park
Sequence: TH50203
Instrument: GCMS-Q
Calibration: TH50011

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (TH50203-CAL7)			Lab File ID: Q011531.D			Analyzed: 08/13/25 13:40			
ISTD: 1,4-Dichlorobenzene-d4	138164	5.81	151685	5.81	91	50 - 200	0.0000	+/-0.50	
ISTD: 1,4-Dichlorobenzene-d4	138164	5.81	151685	5.81	91	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	559634	7.4	602076	7.4	93	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	559634	7.4	602076	7.4	93	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	287470	10.15	312362	10.15	92	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	287470	10.15	312362	10.15	92	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	440208	12.75	474213	12.75	93	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	440208	12.75	474213	12.75	93	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	361452	17.64	393139	17.64	92	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	361452	17.64	393139	17.64	92	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	349115	20.14	378830	20.14	92	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	349115	20.14	378830	20.14	92	50 - 200	0.0000	+/-0.50	
Cal Standard (TH50203-CAL8)			Lab File ID: Q011532.D			Analyzed: 08/13/25 14:10			
ISTD: 1,4-Dichlorobenzene-d4	149753	5.81	151685	5.81	99	50 - 200	0.0000	+/-0.50	
ISTD: 1,4-Dichlorobenzene-d4	149753	5.81	151685	5.81	99	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	605171	7.4	602076	7.4	101	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	605171	7.4	602076	7.4	101	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	309499	10.15	312362	10.15	99	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	309499	10.15	312362	10.15	99	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	486080	12.75	474213	12.75	103	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	486080	12.75	474213	12.75	103	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	383706	17.64	393139	17.64	98	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	383706	17.64	393139	17.64	98	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	373220	20.14	378830	20.14	99	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	373220	20.14	378830	20.14	99	50 - 200	0.0000	+/-0.50	

FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8270E

Laboratory: York Analytical Laboratories- Toms River
SDG: T5H0412
Client: Kenny Environmental Services
Project: Tom Olivieri Park
Sequence: TH50203
Instrument: GCMS-Q
Calibration: TH50011

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (TH50203-ICV1)			Lab File ID: Q011533.D			Analyzed: 08/13/25 14:39			
ISTD: 1,4-Dichlorobenzene-d4	141131	5.81	151685	5.81	93	50 - 200	0.0000	+/-0.50	
ISTD: 1,4-Dichlorobenzene-d4	141131	5.81	151685	5.81	93	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	551882	7.4	602076	7.4	92	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	551882	7.4	602076	7.4	92	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	287810	10.15	312362	10.15	92	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	287810	10.15	312362	10.15	92	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	427566	12.75	474213	12.75	90	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	427566	12.75	474213	12.75	90	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	371173	17.64	393139	17.64	94	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	371173	17.64	393139	17.64	94	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	353142	20.14	378830	20.14	93	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	353142	20.14	378830	20.14	93	50 - 200	0.0000	+/-0.50	

FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8270E

Laboratory: York Analytical Laboratories- Toms River
SDG: T5H0412
Client: Kenny Environmental Services
Project: Tom Olivieri Park
Sequence: TH50380
Instrument: GCMS-Q
Calibration: TH50011

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (TH50380-CCV1)			Lab File ID: Q011660.D			Analyzed: 08/22/25 14:33			
ISTD: 1,4-Dichlorobenzene-d4	137194	5.81				50 - 200		+/-0.50	
ISTD: 1,4-Dichlorobenzene-d4	137194	5.81				50 - 200		+/-0.50	
ISTD: Naphthalene-d8	560559	7.4				50 - 200		+/-0.50	
ISTD: Naphthalene-d8	560559	7.4				50 - 200		+/-0.50	
ISTD: Acenaphthene-d10	281068	10.14				50 - 200		+/-0.50	
ISTD: Acenaphthene-d10	281068	10.14				50 - 200		+/-0.50	
ISTD: Phenanthrene-d10	406588	12.74				50 - 200		+/-0.50	
ISTD: Phenanthrene-d10	406588	12.74				50 - 200		+/-0.50	
ISTD: Chrysene-d12	338660	17.64				50 - 200		+/-0.50	
ISTD: Chrysene-d12	338660	17.64				50 - 200		+/-0.50	
ISTD: Perylene-d12	322689	20.12				50 - 200		+/-0.50	
ISTD: Perylene-d12	322689	20.12				50 - 200		+/-0.50	
Blank (T25H377-BLK1)			Lab File ID: Q011675.D			Analyzed: 08/22/25 21:54			
ISTD: 1,4-Dichlorobenzene-d4	107217	5.81	137194	5.81	78	50 - 200	0.0000	+/-0.50	
ISTD: 1,4-Dichlorobenzene-d4	107217	5.81	137194	5.81	78	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	445705	7.4	560559	7.4	80	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	445705	7.4	560559	7.4	80	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	213014	10.14	281068	10.14	76	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	213014	10.14	281068	10.14	76	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	315686	12.74	406588	12.74	78	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	315686	12.74	406588	12.74	78	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	231347	17.63	338660	17.64	68	50 - 200	-0.0100	+/-0.50	
ISTD: Chrysene-d12	231347	17.63	338660	17.64	68	50 - 200	-0.0100	+/-0.50	
ISTD: Perylene-d12	218102	20.12	322689	20.12	68	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	218102	20.12	322689	20.12	68	50 - 200	0.0000	+/-0.50	

FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8270E

Laboratory: York Analytical Laboratories- Toms River
SDG: T5H0412
Client: Kenny Environmental Services
Project: Tom Olivieri Park
Sequence: TH50380
Instrument: GCMS-Q
Calibration: TH50011

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LCS (T25H377-BS1)			Lab File ID: Q011676.D			Analyzed: 08/22/25 22:23			
ISTD: 1,4-Dichlorobenzene-d4	106656	5.81	137194	5.81	78	50 - 200	0.0000	+/-0.50	
ISTD: 1,4-Dichlorobenzene-d4	106656	5.81	137194	5.81	78	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	425795	7.4	560559	7.4	76	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	425795	7.4	560559	7.4	76	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	210492	10.14	281068	10.14	75	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	210492	10.14	281068	10.14	75	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	310144	12.74	406588	12.74	76	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	310144	12.74	406588	12.74	76	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	238531	17.63	338660	17.64	70	50 - 200	-0.0100	+/-0.50	
ISTD: Chrysene-d12	238531	17.63	338660	17.64	70	50 - 200	-0.0100	+/-0.50	
ISTD: Perylene-d12	213822	20.12	322689	20.12	66	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	213822	20.12	322689	20.12	66	50 - 200	0.0000	+/-0.50	
Matrix Spike (T25H377-MS1)			Lab File ID: Q011677.D			Analyzed: 08/22/25 22:53			
ISTD: 1,4-Dichlorobenzene-d4	110730	5.81	137194	5.81	81	50 - 200	0.0000	+/-0.50	
ISTD: 1,4-Dichlorobenzene-d4	110730	5.81	137194	5.81	81	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	451697	7.4	560559	7.4	81	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	451697	7.4	560559	7.4	81	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	218192	10.14	281068	10.14	78	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	218192	10.14	281068	10.14	78	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	322133	12.74	406588	12.74	79	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	322133	12.74	406588	12.74	79	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	231606	17.63	338660	17.64	68	50 - 200	-0.0100	+/-0.50	
ISTD: Chrysene-d12	231606	17.63	338660	17.64	68	50 - 200	-0.0100	+/-0.50	
ISTD: Perylene-d12	205019	20.12	322689	20.12	64	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	205019	20.12	322689	20.12	64	50 - 200	0.0000	+/-0.50	

FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8270E

Laboratory: York Analytical Laboratories- Toms River
Client: Kenny Environmental Services
Sequence: TH50380

SDG: T5H0412
Project: Tom Olivieri Park
Instrument: GCMS-Q
Calibration: TH50011

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike Dup (T25H377-MSD1)			Lab File ID: Q011678.D			Analyzed: 08/22/25 23:22			
ISTD: 1,4-Dichlorobenzene-d4	100585	5.81	137194	5.81	73	50 - 200	0.0000	+/-0.50	
ISTD: 1,4-Dichlorobenzene-d4	100585	5.81	137194	5.81	73	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	406932	7.4	560559	7.4	73	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	406932	7.4	560559	7.4	73	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	199872	10.14	281068	10.14	71	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	199872	10.14	281068	10.14	71	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	295414	12.74	406588	12.74	73	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	295414	12.74	406588	12.74	73	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	216976	17.63	338660	17.64	64	50 - 200	-0.0100	+/-0.50	
ISTD: Chrysene-d12	216976	17.63	338660	17.64	64	50 - 200	-0.0100	+/-0.50	
ISTD: Perylene-d12	201620	20.12	322689	20.12	62	50 - 200	0.0000	+/-0.50	
ISTD: Perylene-d12	201620	20.12	322689	20.12	62	50 - 200	0.0000	+/-0.50	
S-1 (T5H0412-01)			Lab File ID: Q011679.D			Analyzed: 08/22/25 23:52			
ISTD: 1,4-Dichlorobenzene-d4	121473	5.81	137194	5.81	89	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	501285	7.4	560559	7.4	89	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	241612	10.14	281068	10.14	86	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	332577	12.74	406588	12.74	82	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	213764	17.63	338660	17.64	63	50 - 200	-0.0100	+/-0.50	
ISTD: Perylene-d12	185411	20.12	322689	20.12	57	50 - 200	0.0000	+/-0.50	
S-2 (T5H0412-02)			Lab File ID: Q011680.D			Analyzed: 08/23/25 00:21			
ISTD: 1,4-Dichlorobenzene-d4	117015	5.81	137194	5.81	85	50 - 200	0.0000	+/-0.50	
ISTD: Naphthalene-d8	470989	7.4	560559	7.4	84	50 - 200	0.0000	+/-0.50	
ISTD: Acenaphthene-d10	222958	10.14	281068	10.14	79	50 - 200	0.0000	+/-0.50	
ISTD: Phenanthrene-d10	312421	12.74	406588	12.74	77	50 - 200	0.0000	+/-0.50	
ISTD: Chrysene-d12	209743	17.63	338660	17.64	62	50 - 200	-0.0100	+/-0.50	
ISTD: Perylene-d12	170776	20.12	322689	20.12	53	50 - 200	0.0000	+/-0.50	

FORM VI INITIAL CALIBRATION DATA

SW-846 8270E

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Project:	Tom Olivieri Park
Calibration:	TH50011	Instrument:	GCMS-Q
		Calibration Date:	08/13/25 00:00

Response Factor Report GCMS-Q

Method : I:\GCMS\GCMS-Q\METHODS\QBNA0813.M (RTE Integrator)
Title : BNA Calibration
Last Update : Wed Aug 13 15:14:57 2025
Response via : Initial Calibration

Calibration Files
1 =Q011532.D 2 =Q011531.D 5 =Q011530.D
10 =Q011529.D 20 =Q011528.D 50 =Q011527.D

		Compound	1	2	5	10	20	50	Avg	%RSD	
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------						
2)		Pyridine	1.518	1.862	1.337	1.291	1.293	1.286	1.398	14.53	
3)		N-nitroso-dimethyla	1.806	1.648	1.453	1.426	1.473	1.365	1.504	9.83	
4)	S	2-Fluorophenol	1.381	1.275	1.225	1.280	1.290	1.261	1.297	3.87	
5)		Benzaldehyde	0.141	0.138	0.133	0.162	0.157	0.167	0.159	13.42	
6)		Aniline	1.912	1.583	1.685	1.769	1.939	2.040	1.904	11.13	
7)	S	Phenol-d5	1.776	1.680	1.528	1.560	1.548	1.526	1.599	5.51	
8)		Phenol	2.093	1.889	1.805	1.786	1.884	1.820	1.892	5.26	
9)		bis(2-Chloroethyl)e	1.300	1.866	1.324	1.350	1.368	1.347	1.414	13.10	
10)		2-Chlorophenol	1.624	1.610	1.458	1.471	1.456	1.451	1.507	4.74	
11)		1,3-Dichlorobenzene	1.724	1.592	1.567	1.520	1.535	1.502	1.569	4.42	
12)		1,4-Dichlorobenzene	1.747	1.719	1.516	1.544	1.502	1.505	1.583	6.17	
13)		Benzyl alcohol	0.931	0.868	0.913	0.921	0.917	0.914	0.919	2.71	
14)		1,2-Dichlorobenzene	1.671	1.637	1.416	1.412	1.450	1.418	1.498	6.82	
15)		bis(2-chloroisoprop	4.071	3.881	3.551	3.684	3.702	3.538	3.719	4.87	
16)		2-Methylphenol	1.323	1.409	1.323	1.291	1.253	1.223	1.297	4.44	
17)		Acetophenone	2.302	2.243	2.007	1.886	1.983	1.911	2.041	7.42	
18)		n-Nitroso-di-n-prop	1.246	1.448	1.243	1.141	1.141	1.093	1.195	9.87	
19)		Hexachloroethane	0.862	0.896	0.764	0.730	0.739	0.725	0.777	8.42	
20)		4-Methylphenol	1.461	1.380	1.328	1.358	1.337	1.273	1.355	4.21	
21)	I	Naphthalene-d8	----------	ISTD	----------						
22)	S	Nitrobenzene-d5	0.532	0.489	0.453	0.443	0.444	0.437	0.462	7.05	
23)		Nitrobenzene	0.486	0.436	0.425	0.413	0.419	0.410	0.429	5.63	
24)		Isophorone	0.899	0.793	0.754	0.731	0.730	0.710	0.762	7.92	
25)		2-Nitrophenol	0.185	0.169	0.185	0.172	0.186	0.187	0.184	4.84	
26)		2,4-Dimethylphenol	0.399	0.401	0.369	0.376	0.381	0.379	0.387	3.08	
27)		bis(2-Chloroethoxy)	0.498	0.484	0.434	0.413	0.426	0.417	0.443	7.00	
28)		2,4-Dichlorophenol	0.244	0.259	0.243	0.260	0.266	0.264	0.261	4.85	
29)		Benzoic Acid	0.248	0.287	0.255	0.247	0.235	0.241	0.256	6.76	
30)		1,2,4-Trichlorobenz	0.321	0.311	0.294	0.298	0.292	0.294	0.302	3.36	
31)		Naphthalene	1.125	1.098	1.052	1.011	1.017	0.994	1.049	4.20	
32)		4-Chloroaniline	0.363	0.348	0.352	0.367	0.390	0.418	0.391	10.20	
33)		2,6-Dichlorophenol	0.255	0.235	0.251	0.246	0.257	0.252	0.252	3.49	
34)		Hexachlorobutadiene	0.204	0.182	0.172	0.173	0.179	0.170	0.180	6.05	
35)		Caprolactam	0.097	0.104	0.103	0.098	0.101	0.100	0.101	2.60	
36)		4-Chloro-3-methylph	0.375	0.345	0.307	0.314	0.321	0.305	0.326	7.19	
37)		2-Methylnaphthalene	0.589	0.584	0.580	0.597	0.593	0.583	0.596	2.81	
38)		1-Methylnaphthalene	0.606	0.635	0.625	0.614	0.620	0.618	0.626	2.32	
39)	I	Acenaphthene-d10	----------	ISTD	----------						
40)		1,2,4,5-Tetrachloro	0.665	0.531	0.619	0.587	0.586	0.573	0.596	6.47	
41)		Hexachlorocyclopent		0.063	0.111	0.158	0.197	0.254	0.198	47.19	(Q)=0.999
42)		2,4,6-Trichlorophen	0.332	0.298	0.329	0.318	0.346	0.339	0.338	7.51	
43)		2,4,5-Trichlorophen	0.353	0.356	0.358	0.378	0.373	0.373	0.373	4.63	
44)	S	2-Fluorobiphenyl	1.479	1.363	1.298	1.294	1.320	1.279	1.348	4.86	
45)		2-Chloronaphthalene	1.159	1.163	1.121	1.100	1.154	1.118	1.152	3.28	
46)		Biphenyl	1.481	1.428	1.417	1.421	1.446	1.420	1.461	3.54	
47)		2-Nitroaniline	0.324	0.343	0.380	0.374	0.403	0.397	0.385	9.77	
48)		Dimethylphthalate	1.295	1.286	1.284	1.297	1.300	1.277	1.304	2.04	
49)		Acenaphthylene	1.846	1.845	1.775	1.781	1.816	1.742	1.825	3.12	
50)		2,6-Dinitrotoluene	0.351	0.272	0.267	0.283	0.290	0.286	0.297	9.16	
51)		3-Nitroaniline	0.285	0.296	0.306	0.333	0.327	0.311	0.316	6.22	
52)		Acenaphthene	1.283	1.207	1.185	1.152	1.160	1.133	1.193	3.94	
53)		2,4-Dinitrophenol			0.043	0.079	0.100	0.131	0.111	40.74	(Q)=0.998
54)		Dibenzofuran	1.596	1.582	1.580	1.552	1.579	1.502	1.580	2.56	
55)		4-Nitrophenol		0.471	0.354	0.303	0.309	0.305	0.344	17.18	
56)		2,4-Dinitrotoluene	0.389	0.381	0.358	0.368	0.393	0.382	0.384	3.97	
57)		2,3,4,6-Tetrachloro	0.251	0.278	0.257	0.277	0.278	0.266	0.274	5.50	
58)		Diethylphthalate	1.465	1.385	1.357	1.343	1.368	1.288	1.368	3.62	
59)		Fluorene	1.286	1.284	1.240	1.261	1.297	1.244	1.290	3.43	
60)		4-Chlorophenyl-phen	0.602	0.582	0.585	0.563	0.578	0.563	0.588	3.73	
61)		4-Nitroaniline	0.264	0.275	0.281	0.312	0.321	0.252	0.286	8.18	
62)	I	Phenanthrene-d10	----------	ISTD	----------						
63)		4,6-Dinitro-2-methy		0.066	0.068	0.090	0.109	0.117	0.103	27.99	(Q)=0.998
64)		n-Nitrosodiphenylam	0.665	0.683	0.683	0.657	0.703	0.685	0.689	3.38	
65)		1,2-Diphenylhydrazi	0.990	1.077	1.003	1.004	1.046	1.039	1.046	4.41	
66)	S	2,4,6-Tribromopheno	0.079	0.078	0.091	0.091	0.097	0.100	0.093	10.97	
67)		4-Bromophenyl-pheny	0.189	0.212	0.207	0.195	0.204	0.203	0.206	5.17	

68)		Hexachlorobenzene	0.268	0.227	0.208	0.221	0.220	0.219	0.230	7.95	
69)		Atrazine	0.198	0.187	0.197	0.198	0.199	0.191	0.199	4.02	
70)		Pentachlorophenol	0.038	0.061	0.077	0.084	0.100	0.110	0.091	35.30	(Q)=0.998
71)		Phenanthrene	1.069	1.168	1.076	1.093	1.100	1.072	1.106	3.29	
72)		Anthracene	1.152	1.158	1.067	1.076	1.113	1.088	1.123	3.81	
73)		Carbazole	1.041	0.996	1.011	1.024	1.050	0.999	1.034	3.14	
74)		Di-n-butylphthalate	1.398	1.380	1.372	1.353	1.441	1.443	1.445	6.44	
75)		Fluoranthene	1.083	1.035	1.031	1.051	1.093	1.095	1.096	5.73	
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.409	0.349	0.352	0.314	0.246	0.291	0.329	14.52	
78)		Pyrene	1.399	1.331	1.297	1.340	1.396	1.326	1.365	3.36	
79)	S	Terphenyl-d14	0.864	0.843	0.830	0.859	0.896	0.874	0.880	4.48	
80)		Butylbenzylphthalat	0.846	0.730	0.732	0.742	0.770	0.751	0.773	5.51	
81)		Benzo[a]anthracene	1.343	1.288	1.210	1.235	1.272	1.249	1.287	4.37	
82)		3,3'-Dichlorobenzid	0.501	0.458	0.472	0.489	0.504	0.457	0.480	3.65	
83)		Chrysene	1.281	1.281	1.216	1.200	1.221	1.181	1.233	2.92	
84)		bis(2-Ethylhexyl)ph	1.120	1.066	0.994	1.033	1.062	1.051	1.071	4.36	
85)	I	Perylene-d12	----------ISTD----------								
86)		Di-n-octylphthalate	1.642	1.625	1.642	1.683	1.788	1.778	1.753	7.29	
87)		Benzo[b]fluoranthen	1.188	1.096	1.115	1.136	1.169	1.148	1.172	5.99	
88)		Benzo[k]fluoranthen	1.200	1.240	1.150	1.158	1.185	1.182	1.193	5.20	
89)		Benzo[a]pyrene	1.128	1.120	1.087	1.057	1.087	1.110	1.112	3.20	
90)		Indeno[1,2,3-cd]pyr	1.194	1.168	1.184	1.235	1.246	1.256	1.237	4.36	
91)		Dibenz[a,h]anthrace	1.046	0.981	0.994	0.968	1.031	1.016	1.024	4.25	
92)		Benzo[g,h,i]perylen	1.018	0.962	0.971	0.947	0.987	0.980	0.989	3.22	

(#) = Out of Range ### Number of calibration levels exceeded format ###
(Q) = QUADRATIC REGRESSION, EQUAL WEIGHTING

QBNA0813.M Wed Aug 13 15:42:39 2025

FORM VII CONTINUING CALIBRATION CHECK

SW-846 8270E

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Instrument:	GCMS-Q
Project:	Tom Olivieri Park	Calibration:	TH50011
Lab File ID:	Q011660.D	Calibration Date:	08/13/25 00:00
Sequence:	TH50380	Injection Date:	08/22/25 14:33
Lab Sample ID:	TH50380-CCV1		

Compound	TRUE Value (ug/mL)	Actual Value (ug/mL)	% Recovery	In House LL	In House UL	DKQP LL	DKQP UL	Recovery Flag
1,1-Biphenyl	50.0	47.2	94.4	80	120	70.00	130.00	
1,2,4,5-Tetrachlorobenzene	25.0	21.5	86.1	80	120	70.00	130.00	
1-Methylnaphthalene	50.0	46.2	92.3	80	120	70.00	130.00	
2,3,4,6-Tetrachlorophenol	50.0	45.5	91.0	80	120	70.00	130.00	
2,4,5-Trichlorophenol	50.0	46.6	93.1	80	120	20.00	160.00	
2,4,6-Trichlorophenol	50.0	46.7	93.5	80	120	20.00	160.00	
2,4-Dichlorophenol	50.0	46.8	93.6	80	120	70.00	130.00	
2,4-Dimethylphenol	50.0	50.9	102	80	120	70.00	130.00	
2,4-Dinitrophenol	50.0	46.2	92.4	80	120	20.00	160.00	
2,4-Dinitrotoluene	50.0	47.5	95.0	80	120	70.00	130.00	
2,6-Dinitrotoluene	50.0	47.0	93.9	80	120	70.00	130.00	
2-Chloronaphthalene	50.0	47.1	94.1	80	120	70.00	130.00	
2-Chlorophenol	50.0	47.6	95.3	80	120	70.00	130.00	
2-Methylnaphthalene	50.0	46.3	92.6	80	120	70.00	130.00	
2-Methylnaphthalene	50.0	46.3	92.6	80	120	70.00	130.00	
2-Methylphenol	50.0	49.8	99.7	80	120	70.00	130.00	
2-Nitroaniline	50.0	50.6	101	80	120	20.00	160.00	
2-Nitrophenol	50.0	47.3	94.7	80	120	70.00	130.00	
3- & 4-Methylphenols	50.0	50.1	100	80	120	70.00	130.00	
3,3'-Dichlorobenzidine	50.0	47.5	95.0	80	120	70.00	130.00	
3-Nitroaniline	50.0	50.2	100	80	120	20.00	160.00	
4,6-Dinitro-2-methylphenol	50.0	45.5	90.9	80	120	20.00	160.00	
4-Bromophenyl phenyl ether	50.0	44.6	89.3	80	120	70.00	130.00	
4-Chloro-3-methylphenol	50.0	49.4	98.7	80	120	70.00	130.00	
4-Chloroaniline	50.0	53.6	107	80	120	70.00	130.00	

FORM VII CONTINUING CALIBRATION CHECK

SW-846 8270E

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Instrument:	GCMS-Q
Project:	Tom Olivieri Park	Calibration:	TH50011
Lab File ID:	Q011660.D	Calibration Date:	08/13/25 00:00
Sequence:	TH50380	Injection Date:	08/22/25 14:33
Lab Sample ID:	TH50380-CCV1		

Compound	TRUE Value (ug/mL)	Actual Value (ug/mL)	% Recovery	In House LL	In House UL	DKQP LL	DKQP UL	Recovery Flag
4-Chlorophenyl phenyl ether	50.0	44.5	88.9	80	120	70.00	130.00	
4-Nitroaniline	50.0	47.9	95.8	80	120	20.00	160.00	
4-Nitrophenol	50.0	53.0	106	80	120	20.00	160.00	
Acenaphthene	50.0	46.9	93.7	80	120	70.00	130.00	
Acenaphthene	50.0	46.9	93.7	80	120	70.00	130.00	
Acenaphthylene	50.0	47.2	94.4	80	120	70.00	130.00	
Acenaphthylene	50.0	47.2	94.4	80	120	70.00	130.00	
Acetophenone	50.0	50.8	102	80	120	70.00	130.00	
Anthracene	50.0	47.3	94.6	80	120	70.00	130.00	
Anthracene	50.0	47.3	94.6	80	120	70.00	130.00	
Atrazine	50.0	46.8	93.5	80	120	70.00	130.00	
Benzaldehyde	50.0	137	273	80	120	70.00	130.00	OUT-H
Benzo(a)anthracene	50.0	46.8	93.6	80	120	70.00	130.00	
Benzo(a)anthracene	50.0	46.8	93.6	80	120	70.00	130.00	
Benzo(a)pyrene	50.0	46.1	92.2	80	120	70.00	130.00	
Benzo(a)pyrene	50.0	46.1	92.2	80	120	70.00	130.00	
Benzo(b)fluoranthene	50.0	46.7	93.4	80	120	70.00	130.00	
Benzo(b)fluoranthene	50.0	46.7	93.4	80	120	70.00	130.00	
Benzo(g,h,i)perylene	50.0	46.2	92.5	80	120	70.00	130.00	
Benzo(g,h,i)perylene	50.0	46.2	92.5	80	120	70.00	130.00	
Benzo(k)fluoranthene	50.0	46.5	93.0	80	120	70.00	130.00	
Benzo(k)fluoranthene	50.0	46.5	93.0	80	120	70.00	130.00	
Benzyl butyl phthalate	50.0	53.0	106	80	120	70.00	130.00	
Bis(2-chloroethoxy)methane	50.0	49.9	99.7	80	120	70.00	130.00	
Bis(2-chloroethyl)ether	50.0	51.4	103	80	120	70.00	130.00	

Qual **Definitions**

OUT-H This compound failed outside of acceptance criteria biased high.

FORM VII CONTINUING CALIBRATION CHECK

SW-846 8270E

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Instrument:	GCMS-Q
Project:	Tom Olivieri Park	Calibration:	TH50011
Lab File ID:	Q011660.D	Calibration Date:	08/13/25 00:00
Sequence:	TH50380	Injection Date:	08/22/25 14:33
Lab Sample ID:	TH50380-CCV1		

Compound	TRUE Value (ug/mL)	Actual Value (ug/mL)	% Recovery	In House LL	In House UL	DKQP LL	DKQP UL	Recovery Flag
Bis(2-chloroisopropyl)ether	50.0	58.2	116	80	120	70.00	130.00	
Bis(2-ethylhexyl)phthalate	50.0	54.1	108	80	120	70.00	130.00	
Caprolactam	50.0	50.0	99.9	80	120	70.00	130.00	
Carbazole	50.0	48.0	96.1	80	120	70.00	130.00	
Chrysene	50.0	46.4	92.7	80	120	70.00	130.00	
Chrysene	50.0	46.4	92.7	80	120	70.00	130.00	
Dibenzo(a,h)anthracene	50.0	47.7	95.4	80	120	70.00	130.00	
Dibenzo(a,h)anthracene	50.0	47.7	95.4	80	120	70.00	130.00	
Dibenzofuran	50.0	45.7	91.4	80	120	70.00	130.00	
Diethyl phthalate	50.0	48.7	97.3	80	120	70.00	130.00	
Dimethyl phthalate	50.0	47.9	95.9	80	120	70.00	130.00	
Di-n-butyl phthalate	50.0	52.4	105	80	120	70.00	130.00	
Di-n-octyl phthalate	50.0	55.0	110	80	120	70.00	130.00	
Fluoranthene	50.0	47.7	95.5	80	120	70.00	130.00	
Fluoranthene	50.0	47.7	95.5	80	120	70.00	130.00	
Fluorene	50.0	46.3	92.5	80	120	70.00	130.00	
Fluorene	50.0	46.3	92.5	80	120	70.00	130.00	
Hexachlorobenzene	50.0	43.7	87.4	80	120	70.00	130.00	
Hexachlorobutadiene	50.0	43.6	87.2	80	120	70.00	130.00	
Hexachlorocyclopentadiene	50.0	42.1	84.2	80	120	20.00	160.00	
Hexachloroethane	50.0	50.8	102	80	120	70.00	130.00	
Indeno(1,2,3-cd)pyrene	50.0	48.5	97.0	80	120	70.00	130.00	
Indeno(1,2,3-cd)pyrene	50.0	48.5	97.0	80	120	70.00	130.00	
Isophorone	50.0	51.3	103	80	120	70.00	130.00	
Naphthalene	50.0	47.1	94.2	80	120	70.00	130.00	

FORM VII CONTINUING CALIBRATION CHECK

SW-846 8270E

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Instrument:	GCMS-Q
Project:	Tom Olivieri Park	Calibration:	TH50011
Lab File ID:	Q011660.D	Calibration Date:	08/13/25 00:00
Sequence:	TH50380	Injection Date:	08/22/25 14:33
Lab Sample ID:	TH50380-CCV1		

Compound	TRUE Value (ug/mL)	Actual Value (ug/mL)	% Recovery	In House LL	In House UL	DKQP LL	DKQP UL	Recovery Flag
Naphthalene	50.0	47.1	94.2	80	120	70.00	130.00	
Nitrobenzene	50.0	53.9	108	80	120	70.00	130.00	
N-nitroso-di-n-propylamine	50.0	53.8	108	80	120	70.00	130.00	
N-Nitrosodiphenylamine / Diphenylamine	50.0	48.0	96.0	80	120	70.00	130.00	
Pentachlorophenol	50.0	43.0	86.0	80	120	20.00	160.00	
Phenanthrene	50.0	47.8	95.7	80	120	70.00	130.00	
Phenanthrene	50.0	47.8	95.7	80	120	70.00	130.00	
Phenol	50.0	53.3	107	80	120	20.00	160.00	
Pyrene	50.0	47.7	95.4	80	120	70.00	130.00	
Pyrene	50.0	47.7	95.4	80	120	70.00	130.00	

SW-846 8260D

Sample Information

Client Sample ID: S-1 **York Sample ID: T5H0412-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
T5H0412	Tom Olivieri Park	Soil	August 11, 2025 10:00 am	08/12/2025

Volatile Organic Compounds by GC/MS

Sample Prepared by Method: SW-846 5035A | Results Reported to MDL | % Solids: 99.08

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.00357	0.00132	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.00357	0.00136	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.00357	0.00135	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.00357	0.00138	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.00357	0.00124	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.00357	0.00143	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.00357	0.00134	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.00357	0.00137	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.00357	0.00118	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.00357	0.00117	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.00357	0.00122	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.00357	0.00137	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.00357	0.00124	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.00357	0.00126	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
78-93-3	2-Butanone	ND		mg/kg dry	0.0143	0.0126	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
591-78-6	2-Hexanone	ND		mg/kg dry	0.00715	0.00157	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.00715	0.00118	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
67-64-1	Acetone	ND		mg/kg dry	0.00715	0.00652	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
71-43-2	Benzene	ND		mg/kg dry	0.00357	0.00132	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
74-97-5	Bromochloromethane	ND		mg/kg dry	0.00357	0.00121	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.00357	0.00124	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
75-25-2	Bromoform	ND		mg/kg dry	0.00357	0.00134	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
74-83-9	Bromomethane	ND		mg/kg dry	0.00357	0.00312	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
75-15-0	Carbon disulfide	ND		mg/kg dry	0.00357	0.00187	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.00357	0.00273	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
108-90-7	Chlorobenzene	ND		mg/kg dry	0.00357	0.00124	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
75-00-3	Chloroethane	ND		mg/kg dry	0.00357	0.00142	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
67-66-3	Chloroform	ND		mg/kg dry	0.00357	0.00130	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
74-87-3	Chloromethane	ND		mg/kg dry	0.00357	0.00148	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.00357	0.00125	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.00357	0.00122	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
110-82-7	Cyclohexane	ND		mg/kg dry	0.00357	0.00141	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.00357	0.00121	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.00357	0.00160	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.00357	0.00143	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.00357	0.00134	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG

Sample Information

Client Sample ID: S-1 **York Sample ID: T5H0412-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
T5H0412	Tom Olivieri Park	Soil	August 11, 2025 10:00 am	08/12/2025

Volatile Organic Compounds by GC/MS

Sample Prepared by Method: SW-846 5035A | Results Reported to MDL | % Solids: 99.08

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
79-20-9	Methyl acetate	ND		mg/kg dry	0.00715	0.00474	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.00357	0.00125	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.00357	0.00146	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
75-09-2	Methylene chloride	ND		mg/kg dry	0.00500	0.00486	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
95-47-6	**o-Xylene**	0.00172		mg/kg dry	0.00357	0.00137	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
179601-23-1	**p- & m- Xylenes**	0.00515		mg/kg dry	0.00715	0.00301	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
100-42-5	Styrene	ND		mg/kg dry	0.00357	0.00119	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0536	0.0190	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.00357	0.00124	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
108-88-3	Toluene	ND		mg/kg dry	0.00357	0.00138	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.00357	0.00137	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.00357	0.00126	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
79-01-6	Trichloroethylene	ND		mg/kg dry	0.00357	0.00134	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.00357	0.00148	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.00357	0.00209	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
1330-20-7	**Xylenes, Total**	0.00686		mg/kg dry	0.00357	0.00301	1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG
	Total Tentatively Identified Compounds	0	J	mg/kg dry			1	SW-846 8260D	08/14/2025 15:59	08/14/2025 15:59	CPG

	Surrogate Recoveries	Result	Acceptance Range
1868-53-7	*Surrogate: SURR: Dibromofluoromethane*	*107 %*	*70-130*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*95.4 %*	*70-130*
363-72-4	*Surrogate: SURR: Pentafluorobenzene*	*81.7 %*	*71.2-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*97.1 %*	*70.5-128*

Quantitation Report (QT Reviewed)

Data File : I:\GCMS\GCMS-W\20250814\W013193.D Vial: 1
Acq On : 14 Aug 2025 3:59 pm Operator: CPG
Sample : T5H0412-01 Inst : GCMS-W
Misc : E 3.53 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 14 17:40 2025 Quant Results File: VOW_0707.RES

Quant Method : I:\GCMS\GCMS-W\METHODS\VOW_0707.M (RTE Integrator)
Title : Volatile Organics by SW-846 8260D and EPA 624.1
Last Update : Fri Jul 25 13:13:24 2025
Response via : Initial Calibration
DataAcq Meth : RUNVOAW

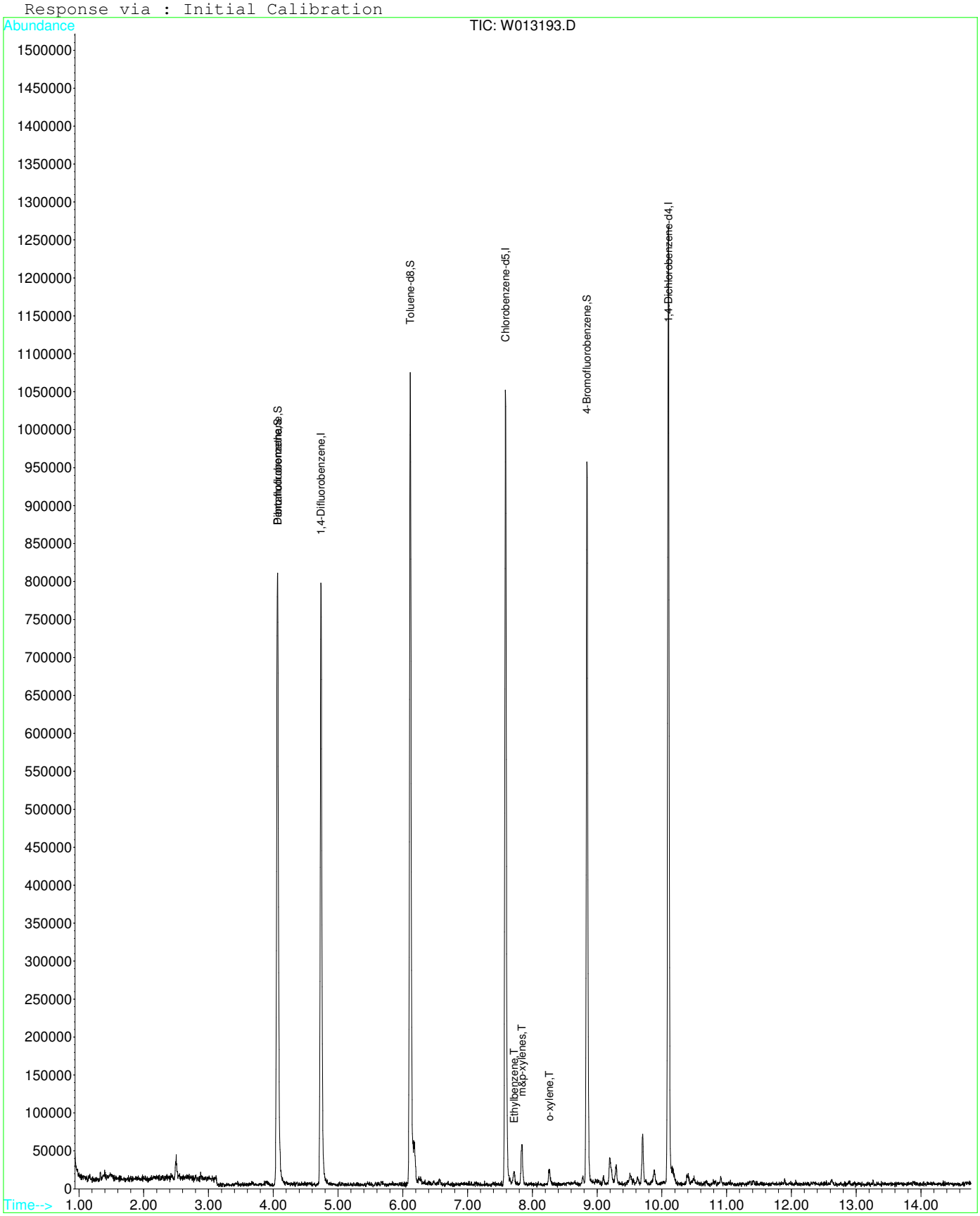
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	4.74	114	578072	50.00	ug/L	-0.01
50) Chlorobenzene-d5	7.58	82	302098	50.00	ug/L	0.00
67) 1,4-Dichlorobenzene-d4	10.10	152	318990	50.00	ug/L	0.00
System Monitoring Compounds						
29) Pentafluorobenzene	4.07	168	328177	40.84	ug/L	-0.01
Spiked Amount 50.000			Recovery = 81.68%			
37) Dibromofluoromethane	4.06	111	193928	53.67	ug/L	0.00
Spiked Amount 50.000			Recovery = 107.34%			
49) Toluene-d8	6.12	98	663471	48.54	ug/L	0.00
Spiked Amount 50.000			Recovery = 97.08%			
68) 4-Bromofluorobenzene	8.84	95	304575	47.72	ug/L	0.00
Spiked Amount 50.000			Recovery = 95.44%			
Target Compounds						Qvalue
59) Ethylbenzene	7.71	91	8151m	0.66	ug/L	
60) m&p-xylenes	7.84	106	16558m	3.60	ug/L	
64) o-xylene	8.27	91	12392	1.20	ug/L #	88

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : I:\GCMS\GCMS-W\20250814\W013193.D Vial: 1
Acq On : 14 Aug 2025 3:59 pm Operator: CPG
Sample : T5H0412-01 Inst : GCMS-W
Misc : E 3.53 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 14 17:40 2025 Quant Results File: VOW_0707.RES

Method : I:\GCMS\GCMS-W\METHODS\VOW_0707.M (RTE Integrator)
Title : Volatile Organics by SW-846 8260D and EPA 624.1
Last Update : Fri Jul 25 13:13:24 2025
Response via : Initial Calibration



FORM II SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW-846 8260D

Laboratory: York Analytical Laboratories- Toms River
Client: Kenny Environmental Services
Project: Tom Olivieri Park
Sequence: TH50235

SDG: T5H0412
Instrument: GCMS-W
Calibration: TG50010

SURROGATE COMPOUND	TRUE Value (ug/L)	Actual Value (ug/L)	% Recovery	RT	In House LL	In House UL	DKQP LL	DKQP UL	Recovery Flag
LCS (T25H248-BS1)			Lab File ID: W013188.D			Analyzed: 08/14/25 13:44			
SURR: Dibromofluoromethane	50.0	50.2	100	4.06	70	130	70	130	
SURR: p-Bromofluorobenzene	50.0	45.0	90.0	8.84	70	130	70	130	
SURR: Pentafluorobenzene	50.0	41.2	82.4	4.07	71.2	130	70	130	
SURR: Toluene-d8	50.0	48.7	97.4	6.12	70.5	128	70	130	
LCS Dup (T25H248-BSD1)			Lab File ID: W013189.D			Analyzed: 08/14/25 14:11			
SURR: Dibromofluoromethane	50.0	50.6	101	4.06	70	130	70	130	
SURR: p-Bromofluorobenzene	50.0	45.2	90.5	8.84	70	130	70	130	
SURR: Pentafluorobenzene	50.0	41.9	83.8	4.07	71.2	130	70	130	
SURR: Toluene-d8	50.0	48.9	97.9	6.11	70.5	128	70	130	
Blank (T25H248-BLK1)			Lab File ID: W013191.D			Analyzed: 08/14/25 15:05			
SURR: Dibromofluoromethane	50.0	55.0	110	4.06	70	130	70	130	
SURR: p-Bromofluorobenzene	50.0	47.9	95.7	8.84	70	130	70	130	
SURR: Pentafluorobenzene	50.0	42.8	85.6	4.07	71.2	130	70	130	
SURR: Toluene-d8	50.0	50.2	100	6.12	70.5	128	70	130	
S-1 (T5H0412-01)			Lab File ID: W013193.D			Analyzed: 08/14/25 15:59			
SURR: Dibromofluoromethane	50.0	53.7	107	4.06	70	130	70	130	
SURR: p-Bromofluorobenzene	50.0	47.7	95.4	8.84	70	130	70	130	
SURR: Pentafluorobenzene	50.0	40.8	81.7	4.07	71.2	130	70	130	
SURR: Toluene-d8	50.0	48.5	97.1	6.12	70.5	128	70	130	

FORM III LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory: York Analytical Laboratories- Toms River
Client: Kenny Environmental Services
Project: Tom Olivieri Park
Batch: T25H248
Preparation: SW-846 5035A

SDG: T5H0412
Laboratory ID: T25H248-BS1
Initial/Final: 5 g / 5 ml
Matrix: Soil

COMPOUND	TRUE Value (ug/L)	Actual Value (ug/L)	% Recovery	In House LL	In House UL	DKQP LL	DKQP UL	Recovery Flag
1,1,1-Trichloroethane	50.0	47.0	93.9	70	129	70	130	
1,1,2,2-Tetrachloroethane	50.0	47.6	95.3	53.1	149	40	160	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.0	48.2	96.5	49.9	150	70	130	
1,1,2-Trichloroethane	50.0	49.9	99.8	64.7	137	70	130	
1,1-Dichloroethane	50.0	58.6	117	66.6	128	70	130	
1,1-Dichloroethylene	50.0	49.9	99.8	62.3	134	70	130	
1,2,3-Trichlorobenzene	50.0	40.7	81.5	65.7	131	70	130	
1,2,4-Trichlorobenzene	50.0	41.0	82.1	65	130	70	130	
1,2-Dibromoethane	50.0	49.3	98.6	66.5	135	70	130	
1,2-Dichlorobenzene	50.0	43.1	86.2	67.8	130	70	130	
1,2-Dichloroethane	50.0	44.1	88.3	67.2	133	70	130	
1,2-Dichloropropane	50.0	48.8	97.5	64.2	132	70	130	
1,3-Dichlorobenzene	50.0	44.8	89.6	70.8	126	70	130	
1,4-Dichlorobenzene	50.0	44.0	88.0	70.1	127	70	130	
2-Butanone	50.0	40.6	81.1	48.5	138	40	160	
2-Hexanone	50.0	42.8	85.7	50.2	136	40	160	
4-Methyl-2-pentanone	50.0	42.0	83.9	48.6	139	40	160	
Acetone	50.0	59.5	119	53.7	136	40	160	
Benzene	50.0	47.1	94.3	69.6	128	70	130	
Bromochloromethane	50.0	45.2	90.4	62	132	70	130	
Bromodichloromethane	50.0	45.2	90.3	70.3	133	70	130	
Bromoform	50.0	45.7	91.3	56.6	135	40	160	
Bromomethane	50.0	64.7	129	53.5	131	40	160	
Carbon disulfide	50.0	59.3	119	55.5	131	70	130	
Carbon tetrachloride	50.0	44.4	88.9	55	150	70	130	

FORM III LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory: York Analytical Laboratories- Toms River
Client: Kenny Environmental Services
Project: Tom Olivieri Park
Batch: T25H248
Preparation: SW-846 5035A

SDG: T5H0412
Laboratory ID: T25H248-BS1
Initial/Final: 5 g / 5 ml
Matrix: Soil

COMPOUND	TRUE Value (ug/L)	Actual Value (ug/L)	% Recovery	In House LL	In House UL	DKQP LL	DKQP UL	Recovery Flag
Chlorobenzene	50.0	46.8	93.6	70.9	128	70	130	
Chloroethane	50.0	64.0	128	58.4	134	70	130	
Chloroform	50.0	46.6	93.2	67.8	128	70	130	
Chloromethane	50.0	45.1	90.2	49.1	139	70	130	
cis-1,2-Dichloroethylene	50.0	46.0	91.9	68	129	70	130	
cis-1,3-Dichloropropylene	50.0	48.5	96.9	67.7	133	40	160	
Cyclohexane	50.0	37.5	75.0	55.4	140	70	130	
Dibromochloromethane	50.0	47.8	95.6	61.9	134	70	130	
Dichlorodifluoromethane	50.0	21.0	42.1	45.2	150	40	160	LIM-L
Ethyl Benzene	50.0	46.6	93.1	71.6	128	70	130	
Isopropylbenzene	50.0	48.8	97.5	71.8	130	70	130	
Methyl acetate	50.0	54.4	109	36.7	149	70	130	
Methyl tert-butyl ether (MTBE)	50.0	58.7	117	59.8	137	70	130	
Methylcyclohexane	50.0	39.5	79.1	61.4	134	70	130	
Methylene chloride	50.0	64.7	129	59.9	139	70	130	
o-Xylene	50.0	46.8	93.6	72.2	128	70	130	
p- & m- Xylenes	100	97.8	97.8	68.7	130	70	130	
Styrene	50.0	48.9	97.7	71.6	132	40	160	
tert-Butyl alcohol (TBA)	750	817	109	61.1	149	70	130	
Tetrachloroethylene	50.0	46.8	93.7	69.4	129	70	130	
Toluene	50.0	46.2	92.5	71.1	127	70	130	
trans-1,2-Dichloroethylene	50.0	56.3	113	63.8	131	70	130	
trans-1,3-Dichloropropylene	50.0	48.9	97.7	63.5	135	70	130	
Trichloroethylene	50.0	48.2	96.4	70.4	130	70	130	
Trichlorofluoromethane	50.0	48.9	97.7	62.4	134	70	130	

Qual **Definitions**
LIM-L This compound failed outside in house control limit criteria biased low but was within DKQP defined criteria.

FORM III LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Laboratory ID:	T25H248-BS1
Project:	Tom Olivieri Park	Initial/Final:	5 g / 5 ml
Batch:	T25H248	Matrix:	Soil
Preparation:	SW-846 5035A		

COMPOUND	TRUE Value (ug/L)	Actual Value (ug/L)	% Recovery	In House LL	In House UL	DKQP LL	DKQP UL	Recovery Flag
Vinyl Chloride	50.0	48.4	96.8	56.6	136	70	130	

FORM III LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory: York Analytical Laboratories- Toms River
Client: Kenny Environmental Services
Project: Tom Olivieri Park
Batch: T25H248
Preparation: SW-846 5035A

SDG: T5H0412
Laboratory ID: T25H248-BSD1
Initial/Final: 5 g / 5 ml
Matrix: Soil

COMPOUND	TRUE Value (ug/L)	Actual Value (ug/L)	% Recovery	RPD Limit	% RPD #	In House LL	In House UL	DKQP LL	DKQP UL	Recovery Flag
1,1,1-Trichloroethane	50.0	46.1	92.1	30	1.91	70	129	70.00	130.00	
1,1,2,2-Tetrachloroethane	50.0	44.3	88.6	30	7.22	53.1	149	40.00	160.00	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.0	47.7	95.3	30	1.17	49.9	150	70.00	130.00	
1,1,2-Trichloroethane	50.0	46.7	93.5	30	6.52	64.7	137	70.00	130.00	
1,1-Dichloroethane	50.0	58.4	117	30	0.273	66.6	128	70.00	130.00	
1,1-Dichloroethylene	50.0	50.5	101	30	1.29	62.3	134	70.00	130.00	
1,2,3-Trichlorobenzene	50.0	40.0	79.9	30	1.96	65.7	131	70.00	130.00	
1,2,4-Trichlorobenzene	50.0	39.7	79.4	30	3.37	65	130	70.00	130.00	
1,2-Dibromoethane	50.0	46.0	91.9	30	6.95	66.5	135	70.00	130.00	
1,2-Dichlorobenzene	50.0	42.7	85.4	30	0.933	67.8	130	70.00	130.00	
1,2-Dichloroethane	50.0	40.8	81.6	30	7.89	67.2	133	70.00	130.00	
1,2-Dichloropropane	50.0	46.3	92.7	30	5.07	64.2	132	70.00	130.00	
1,3-Dichlorobenzene	50.0	43.8	87.6	30	2.28	70.8	126	70.00	130.00	
1,4-Dichlorobenzene	50.0	42.9	85.8	30	2.51	70.1	127	70.00	130.00	
2-Butanone	50.0	38.7	77.4	30	4.67	48.5	138	40.00	160.00	
2-Hexanone	50.0	42.3	84.7	30	1.22	50.2	136	40.00	160.00	
4-Methyl-2-pentanone	50.0	41.4	82.9	30	1.27	48.6	139	40.00	160.00	
Acetone	50.0	49.7	99.4	30	18.0	53.7	136	40.00	160.00	
Benzene	50.0	47.1	94.2	30	0.0424	69.6	128	70.00	130.00	
Bromochloromethane	50.0	43.7	87.4	30	3.42	62	132	70.00	130.00	
Bromodichloromethane	50.0	44.1	88.2	30	2.33	70.3	133	70.00	130.00	
Bromoform	50.0	42.3	84.6	30	7.61	56.6	135	40.00	160.00	
Bromomethane	50.0	64.2	128	30	0.900	53.5	131	40.00	160.00	
Carbon disulfide	50.0	59.2	118	30	0.219	55.5	131	70.00	130.00	
Carbon tetrachloride	50.0	43.7	87.5	30	1.63	55	150	70.00	130.00	

FORM III LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory: York Analytical Laboratories- Toms River
Client: Kenny Environmental Services
Project: Tom Olivieri Park
Batch: T25H248
Preparation: SW-846 5035A

SDG: T5H0412
Laboratory ID: T25H248-BSD1
Initial/Final: 5 g / 5 ml
Matrix: Soil

COMPOUND	TRUE Value (ug/L)	Actual Value (ug/L)	% Recovery	RPD Limit	% RPD #	In House LL	In House UL	DKQP LL	DKQP UL	Recovery Flag
Chlorobenzene	50.0	47.1	94.2	30	0.724	70.9	128	70.00	130.00	
Chloroethane	50.0	54.5	109	30	15.9	58.4	134	70.00	130.00	
Chloroform	50.0	46.2	92.5	30	0.776	67.8	128	70.00	130.00	
Chloromethane	50.0	44.8	89.7	30	0.534	49.1	139	70.00	130.00	
cis-1,2-Dichloroethylene	50.0	44.7	89.5	30	2.69	68	129	70.00	130.00	
cis-1,3-Dichloropropylene	50.0	46.1	92.1	30	5.06	67.7	133	40.00	160.00	
Cyclohexane	50.0	38.4	76.7	30	2.29	55.4	140	70.00	130.00	
Dibromochloromethane	50.0	46.9	93.8	30	1.94	61.9	134	70.00	130.00	
Dichlorodifluoromethane	50.0	20.7	41.4	30	1.53	45.2	150	40.00	160.00	LIM-L
Ethyl Benzene	50.0	47.4	94.8	30	1.79	71.6	128	70.00	130.00	
Isopropylbenzene	50.0	49.3	98.7	30	1.20	71.8	130	70.00	130.00	
Methyl acetate	50.0	50.8	102	30	6.80	36.7	149	70.00	130.00	
Methyl tert-butyl ether (MTBE)	50.0	55.0	110	30	6.58	59.8	137	70.00	130.00	
Methylcyclohexane	50.0	39.5	79.0	30	0.127	61.4	134	70.00	130.00	
Methylene chloride	50.0	59.4	119	30	8.59	59.9	139	70.00	130.00	
o-Xylene	50.0	47.9	95.7	30	2.28	72.2	128	70.00	130.00	
p- & m- Xylenes	100	100	100	30	2.37	68.7	130	70.00	130.00	
Styrene	50.0	48.8	97.7	30	0.0409	71.6	132	40.00	160.00	
tert-Butyl alcohol (TBA)	750	800	107	30	2.08	61.1	149	70.00	130.00	
Tetrachloroethylene	50.0	45.6	91.3	30	2.64	69.4	129	70.00	130.00	
Toluene	50.0	46.0	92.1	30	0.433	71.1	127	70.00	130.00	
trans-1,2-Dichloroethylene	50.0	53.5	107	30	5.16	63.8	131	70.00	130.00	
trans-1,3-Dichloropropylene	50.0	45.3	90.6	30	7.52	63.5	135	70.00	130.00	
Trichloroethylene	50.0	47.7	95.4	30	1.04	70.4	130	70.00	130.00	
Trichlorofluoromethane	50.0	48.3	96.6	30	1.17	62.4	134	70.00	130.00	

Qual **Definitions**
LIM-L This compound failed outside in house control limit criteria biased low but was within DKQP defined criteria.

FORM III LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Laboratory ID:	T25H248-BSD1
Project:	Tom Olivieri Park	Initial/Final:	5 g / 5 ml
Batch:	T25H248	Matrix:	Soil
Preparation:	SW-846 5035A		

COMPOUND	TRUE Value (ug/L)	Actual Value (ug/L)	% Recovery	RPD Limit	% RPD #	In House LL	In House UL	DKQP LL	DKQP UL	Recovery Flag
Vinyl Chloride	50.0	47.3	94.6	30	2.28	56.6	136	70.00	130.00	

FORM IV

PREPARATION BATCH SUMMARY

SW-846 8260D

Laboratory: York Analytical Laboratories- Toms River SDG: T5H0412

Client: Kenny Environmental Services Project: Tom Olivieri Park

Batch: T25H248 Batch Matrix: Soil Preparation: SW-846 5035A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	T25H248-BLK1	W013191.D	08/14/25 15:05	
LCS	T25H248-BS1	W013188.D	08/14/25 13:44	
LCS Dup	T25H248-BSD1	W013189.D	08/14/25 14:11	
S-1	T5H0412-01	W013193.D	08/14/25 15:59	

FORM I

METHOD BLANK DATA SHEET

SW-846 8260D

Laboratory:	York Analytical Laboratories- Toms River			SDG:	T5H0412
Client:	Kenny Environmental Services			Laboratory ID:	T25H248-BLK1
Project:	Tom Olivieri Park			Calibration:	TG50010
Preparation:	SW-846 5035A	Prepared:	08/14/25 15:05	File ID:	W013191.D
Instrument:	GCMS-W	Analyzed:	08/14/25 15:05	Initial/Final:	5 g / 5 ml
Batch:	T25H248	Sequence:	TH50235	Matrix:	Soil

Analyzed by: York Analytical Laboratories- Toms River

Volatile Organic Compounds by GC/MS

Sample Prepared by Method: SW-846 5035A

Results Reported to MDL

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg wet	0.00250	0.000921	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg wet	0.00250	0.000953	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg wet	0.00250	0.000942	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
79-00-5	1,1,2-Trichloroethane	ND		mg/kg wet	0.00250	0.000965	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
75-34-3	1,1-Dichloroethane	ND		mg/kg wet	0.00250	0.000870	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
75-35-4	1,1-Dichloroethylene	ND		mg/kg wet	0.00250	0.000997	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg wet	0.00250	0.000940	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg wet	0.00250	0.000962	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
106-93-4	1,2-Dibromoethane	ND		mg/kg wet	0.00250	0.000824	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
95-50-1	1,2-Dichlorobenzene	ND		mg/kg wet	0.00250	0.000819	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
107-06-2	1,2-Dichloroethane	ND		mg/kg wet	0.00250	0.000852	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
78-87-5	1,2-Dichloropropane	ND		mg/kg wet	0.00250	0.000961	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
541-73-1	1,3-Dichlorobenzene	ND		mg/kg wet	0.00250	0.000870	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
106-46-7	1,4-Dichlorobenzene	ND		mg/kg wet	0.00250	0.000883	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
78-93-3	2-Butanone	ND		mg/kg wet	0.0100	0.00880	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
591-78-6	2-Hexanone	ND		mg/kg wet	0.00500	0.00110	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
108-10-1	4-Methyl-2-pentanone	ND		mg/kg wet	0.00500	0.000823	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
67-64-1	Acetone	ND		mg/kg wet	0.00500	0.00456	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
71-43-2	Benzene	ND		mg/kg wet	0.00250	0.000922	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
74-97-5	Bromochloromethane	ND		mg/kg wet	0.00250	0.000848	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
75-27-4	Bromodichloromethane	ND		mg/kg wet	0.00250	0.000868	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
75-25-2	Bromoform	ND		mg/kg wet	0.00250	0.000937	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
74-83-9	Bromomethane	ND		mg/kg wet	0.00250	0.00218	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
75-15-0	Carbon disulfide	ND		mg/kg wet	0.00250	0.00130	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
56-23-5	Carbon tetrachloride	ND		mg/kg wet	0.00250	0.00191	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
108-90-7	Chlorobenzene	ND		mg/kg wet	0.00250	0.000869	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
75-00-3	Chloroethane	ND		mg/kg wet	0.00250	0.000994	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
67-66-3	Chloroform	ND		mg/kg wet	0.00250	0.000910	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
74-87-3	Chloromethane	ND		mg/kg wet	0.00250	0.00104	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg wet	0.00250	0.000871	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg wet	0.00250	0.000854	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
110-82-7	Cyclohexane	ND		mg/kg wet	0.00250	0.000984	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
124-48-1	Dibromochloromethane	ND		mg/kg wet	0.00250	0.000846	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
75-71-8	Dichlorodifluoromethane	ND		mg/kg wet	0.00250	0.00112	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
100-41-4	Ethyl Benzene	ND		mg/kg wet	0.00250	0.00100	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
98-82-8	Isopropylbenzene	ND		mg/kg wet	0.00250	0.000935	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
79-20-9	Methyl acetate	ND		mg/kg wet	0.00500	0.00331	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg wet	0.00250	0.000878	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
108-87-2	Methylcyclohexane	ND		mg/kg wet	0.00250	0.00102	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
75-09-2	Methylene chloride	ND		mg/kg wet	0.00350	0.00340	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
95-47-6	o-Xylene	ND		mg/kg wet	0.00250	0.000960	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
179601-23-1	p- & m- Xylenes	ND		mg/kg wet	0.00500	0.00211	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
100-42-5	Styrene	ND		mg/kg wet	0.00250	0.000832	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG

FORM I

METHOD BLANK DATA SHEET

SW-846 8260D

Laboratory:	York Analytical Laboratories- Toms River			SDG:	T5H0412
Client:	Kenny Environmental Services			Laboratory ID:	T25H248-BLK1
Project:	Tom Olivieri Park			Calibration:	TG50010
Preparation:	SW-846 5035A	Prepared:	08/14/25 15:05	File ID:	W013191.D
Instrument:	GCMS-W	Analyzed:	08/14/25 15:05	Initial/Final:	5 g / 5 ml
Batch:	T25H248	Sequence:	TH50235	Matrix:	Soil

Volatile Organic Compounds by GC/MS
Sample Prepared by Method: SW-846 5035A

Results Reported to MDL

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg wet	0.0375	0.0133	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
127-18-4	Tetrachloroethylene	ND		mg/kg wet	0.00250	0.000868	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
108-88-3	Toluene	ND		mg/kg wet	0.00250	0.000964	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg wet	0.00250	0.000957	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg wet	0.00250	0.000884	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
79-01-6	Trichloroethylene	ND		mg/kg wet	0.00250	0.000936	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
75-69-4	Trichlorofluoromethane	ND		mg/kg wet	0.00250	0.00103	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
75-01-4	Vinyl Chloride	ND		mg/kg wet	0.00250	0.00146	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG
1330-20-7	Xylenes, Total	ND		mg/kg wet	0.00250	0.00211	1	SW-846 8260D	08/14/25 15:05	08/14/25 15:05	CPG

	Total Tentatively Identified Compounds	0	J

	Surrogate Recoveries	Result	Acceptance Range
1868-53-7	SURR: Dibromofluoromethane	*110 %*	*70-130*
460-00-4	SURR: p-Bromofluorobenzene	*95.7 %*	*70-130*
363-72-4	SURR: Pentafluorobenzene	*85.6 %*	*71.2-130*
2037-26-5	SURR: Toluene-d8	*100 %*	*70.5-128*

Quantitation Report (QT Reviewed)

Data File : I:\GCMS\GCMS-W\20250814\W013191.D Vial: 6
Acq On : 14 Aug 2025 3:05 pm Operator: CPG
Sample : T25H248-BLK1 Inst : GCMS-W
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 14 15:49 2025 Quant Results File: VOW_0707.RES

Quant Method : I:\GCMS\GCMS-W\METHODS\VOW_0707.M (RTE Integrator)
Title : Volatile Organics by SW-846 8260D and EPA 624.1
Last Update : Fri Jul 25 13:13:24 2025
Response via : Initial Calibration
DataAcq Meth : RUNVOAW

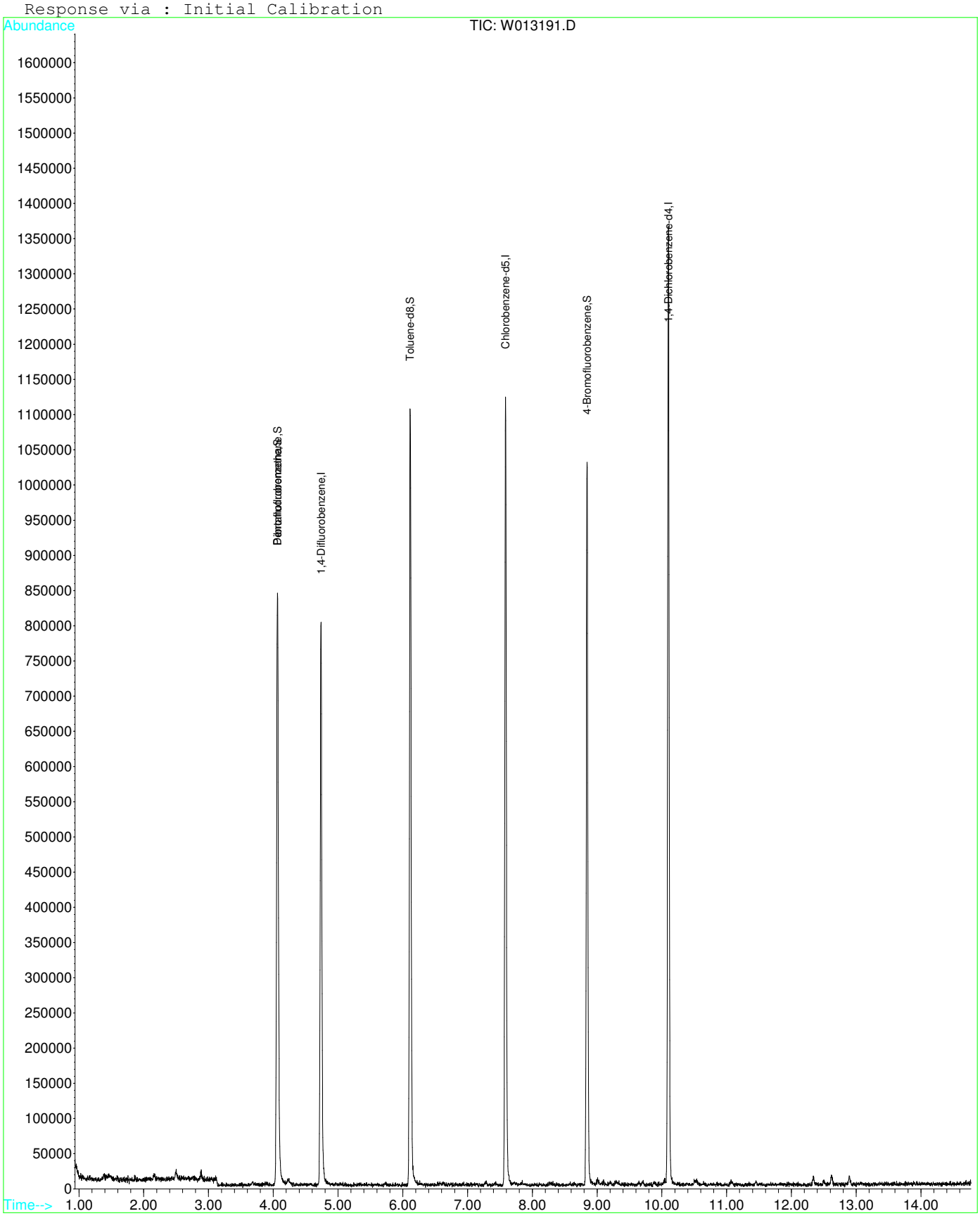
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	4.74	114	589689	50.00	ug/L	0.00
50) Chlorobenzene-d5	7.59	82	329771	50.00	ug/L	0.00
67) 1,4-Dichlorobenzene-d4	10.10	152	350751	50.00	ug/L	0.00
System Monitoring Compounds						
29) Pentafluorobenzene	4.07	168	350967	42.82	ug/L	-0.01
Spiked Amount 50.000			Recovery = 85.64%			
37) Dibromofluoromethane	4.06	111	202609	54.97	ug/L	0.00
Spiked Amount 50.000			Recovery = 109.94%			
49) Toluene-d8	6.12	98	700191	50.22	ug/L	0.00
Spiked Amount 50.000			Recovery = 100.44%			
68) 4-Bromofluorobenzene	8.84	95	335834	47.86	ug/L	0.00
Spiked Amount 50.000			Recovery = 95.72%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : I:\GCMS\GCMS-W\20250814\W013191.D Vial: 6
Acq On : 14 Aug 2025 3:05 pm Operator: CPG
Sample : T25H248-BLK1 Inst : GCMS-W
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 14 15:49 2025 Quant Results File: VOW_0707.RES

Method : I:\GCMS\GCMS-W\METHODS\VOW_0707.M (RTE Integrator)
Title : Volatile Organics by SW-846 8260D and EPA 624.1
Last Update : Fri Jul 25 13:13:24 2025
Response via : Initial Calibration



FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW-846 8260D

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Project:	Tom Olivieri Park
Lab File ID:	W012693.D	Injection Date:	07/07/25
Instrument ID:	GCMS-W	Injection Time:	18:49
Sequence:	TG50152	Lab Sample ID:	TG50152-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
95	50 - 200% of 174	126	PASS
96	5 - 9% of 95	7.1	PASS
173	Less than 2% of 174	0.293	PASS
174	50 - 200% of 95	79.3	PASS
175	5 - 9% of 174	8.12	PASS
176	95 - 105% of 174	97.8	PASS
177	5 - 10% of 176	6.34	PASS

FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW-846 8260D

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Project:	Tom Olivieri Park
Lab File ID:	W012710.D	Injection Date:	07/09/25
Instrument ID:	GCMS-W	Injection Time:	18:26
Sequence:	TG50153	Lab Sample ID:	TG50153-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
95	50 - 200% of 174	117	PASS
96	5 - 9% of 95	6.03	PASS
173	Less than 2% of 174	0.229	PASS
174	50 - 200% of 95	85.3	PASS
175	5 - 9% of 174	8.66	PASS
176	95 - 105% of 174	96.3	PASS
177	5 - 10% of 176	6.58	PASS

FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW-846 8260D

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Project:	Tom Olivieri Park
Lab File ID:	W013186.D	Injection Date:	08/14/25
Instrument ID:	GCMS-W	Injection Time:	12:51
Sequence:	TH50235	Lab Sample ID:	TH50235-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
95	50 - 200% of 174	120	PASS
96	5 - 9% of 95	6.35	PASS
173	Less than 2% of 174	0.617	PASS
174	50 - 200% of 95	83	PASS
175	5 - 9% of 174	7.02	PASS
176	95 - 105% of 174	96.1	PASS
177	5 - 10% of 176	6.29	PASS

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

SW-846 8260D

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Project:	Tom Olivieri Park
Sequence:	TG50152	Instrument:	GCMS-W
		Calibration:	TG50010

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	TG50152-TUN1	W012693.D	07/07/25 18:49
Cal Standard	TG50152-CAL1	W012695.D	07/07/25 19:43
Cal Standard	TG50152-CAL2	W012696.D	07/07/25 20:11
Cal Standard	TG50152-CAL3	W012698.D	07/07/25 21:06
Cal Standard	TG50152-CAL4	W012699.D	07/07/25 21:33
Cal Standard	TG50152-CAL5	W012700.D	07/07/25 22:01
Cal Standard	TG50152-CAL6	W012701.D	07/07/25 22:28
Cal Standard	TG50152-CAL7	W012702.D	07/07/25 22:56
Cal Standard	TG50152-CAL8	W012703.D	07/07/25 23:23
Cal Standard	TG50152-CAL9	W012704.D	07/07/25 23:51
Cal Standard	TG50152-CALA	W012705.D	07/08/25 00:18
Initial Cal Blank	TG50152-ICB1	W012707.D	07/08/25 01:13
Initial Cal Check	TG50152-ICV1	W012708.D	07/08/25 01:41

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

SW-846 8260D

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Project:	Tom Olivieri Park
Sequence:	TG50153	Instrument:	GCMS-W
		Calibration:	TG50010

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	TG50153-TUN1	W012710.D	07/09/25 18:26
Cal Standard	TG50153-CAL1	W012713.D	07/09/25 19:48

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

SW-846 8260D

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Project:	Tom Olivieri Park
Sequence:	TH50235	Instrument:	GCMS-W
		Calibration:	TG50010

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	TH50235-TUN1	W013186.D	08/14/25 12:51
Calibration Check	TH50235-CCV1	W013187.D	08/14/25 13:18
LCS	T25H248-BS1	W013188.D	08/14/25 13:44
LCS Dup	T25H248-BSD1	W013189.D	08/14/25 14:11
Blank	T25H248-BLK1	W013191.D	08/14/25 15:05
S-1	T5H0412-01	W013193.D	08/14/25 15:59

FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8260D

Laboratory: York Analytical Laboratories- Toms River
SDG: T5H0412
Client: Kenny Environmental Services
Project: Tom Olivieri Park
Sequence: TG50152
Instrument: GCMS-W
Calibration: TG50010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (TG50152-CAL1)			Lab File ID: W012695.D			Analyzed: 07/07/25 19:43			
ISTD: 1,4-Difluorobenzene	567920	4.74	556954	4.74	102	50 - 200	0.0000	+/-0.50	
ISTD: Chlorobenzene-d5	298249	7.59	301990	7.59	99	50 - 200	0.0000	+/-0.50	
ISTD: 1,4-Dichlorobenzene-d4	310816	10.1	286237	10.1	109	50 - 200	0.0000	+/-0.50	
Cal Standard (TG50152-CAL2)			Lab File ID: W012696.D			Analyzed: 07/07/25 20:11			
ISTD: 1,4-Difluorobenzene	550961	4.74	556954	4.74	99	50 - 200	0.0000	+/-0.50	
ISTD: Chlorobenzene-d5	297375	7.59	301990	7.59	98	50 - 200	0.0000	+/-0.50	
ISTD: 1,4-Dichlorobenzene-d4	300969	10.1	286237	10.1	105	50 - 200	0.0000	+/-0.50	
Cal Standard (TG50152-CAL3)			Lab File ID: W012698.D			Analyzed: 07/07/25 21:06			
ISTD: 1,4-Difluorobenzene	563441	4.74	556954	4.74	101	50 - 200	0.0000	+/-0.50	
ISTD: Chlorobenzene-d5	301319	7.58	301990	7.59	100	50 - 200	-0.0100	+/-0.50	
ISTD: 1,4-Dichlorobenzene-d4	291801	10.1	286237	10.1	102	50 - 200	0.0000	+/-0.50	
Cal Standard (TG50152-CAL4)			Lab File ID: W012699.D			Analyzed: 07/07/25 21:33			
ISTD: 1,4-Difluorobenzene	556954	4.74	556954	4.74	100	50 - 200	0.0000	+/-0.50	
ISTD: Chlorobenzene-d5	301990	7.59	301990	7.59	100	50 - 200	0.0000	+/-0.50	
ISTD: 1,4-Dichlorobenzene-d4	286237	10.1	286237	10.1	100	50 - 200	0.0000	+/-0.50	
Cal Standard (TG50152-CAL5)			Lab File ID: W012700.D			Analyzed: 07/07/25 22:01			
ISTD: 1,4-Difluorobenzene	556304	4.74	556954	4.74	100	50 - 200	0.0000	+/-0.50	
ISTD: Chlorobenzene-d5	298122	7.58	301990	7.59	99	50 - 200	-0.0100	+/-0.50	
ISTD: 1,4-Dichlorobenzene-d4	287526	10.1	286237	10.1	100	50 - 200	0.0000	+/-0.50	
Cal Standard (TG50152-CAL6)			Lab File ID: W012701.D			Analyzed: 07/07/25 22:28			
ISTD: 1,4-Difluorobenzene	568862	4.74	556954	4.74	102	50 - 200	0.0000	+/-0.50	
ISTD: Chlorobenzene-d5	311369	7.58	301990	7.59	103	50 - 200	-0.0100	+/-0.50	
ISTD: 1,4-Dichlorobenzene-d4	294652	10.1	286237	10.1	103	50 - 200	0.0000	+/-0.50	
Cal Standard (TG50152-CAL7)			Lab File ID: W012702.D			Analyzed: 07/07/25 22:56			
ISTD: 1,4-Difluorobenzene	578668	4.74	556954	4.74	104	50 - 200	0.0000	+/-0.50	
ISTD: Chlorobenzene-d5	305020	7.58	301990	7.59	101	50 - 200	-0.0100	+/-0.50	
ISTD: 1,4-Dichlorobenzene-d4	290512	10.1	286237	10.1	101	50 - 200	0.0000	+/-0.50	
Cal Standard (TG50152-CAL8)			Lab File ID: W012703.D			Analyzed: 07/07/25 23:23			
ISTD: 1,4-Difluorobenzene	573479	4.74	556954	4.74	103	50 - 200	0.0000	+/-0.50	
ISTD: Chlorobenzene-d5	306437	7.59	301990	7.59	101	50 - 200	0.0000	+/-0.50	
ISTD: 1,4-Dichlorobenzene-d4	291502	10.1	286237	10.1	102	50 - 200	0.0000	+/-0.50	

FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8260D

Laboratory: York Analytical Laboratories- Toms River
SDG: T5H0412
Client: Kenny Environmental Services
Project: Tom Olivieri Park
Sequence: TG50152
Instrument: GCMS-W
Calibration: TG50010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (TG50152-CAL9)			Lab File ID: W012704.D			Analyzed: 07/07/25 23:51			
ISTD: 1,4-Difluorobenzene	596084	4.74	556954	4.74	107	50 - 200	0.0000	+/-0.50	
ISTD: Chlorobenzene-d5	317301	7.59	301990	7.59	105	50 - 200	0.0000	+/-0.50	
ISTD: 1,4-Dichlorobenzene-d4	304474	10.1	286237	10.1	106	50 - 200	0.0000	+/-0.50	
Cal Standard (TG50152-CALA)			Lab File ID: W012705.D			Analyzed: 07/08/25 00:18			
ISTD: 1,4-Difluorobenzene	573342	4.74	556954	4.74	103	50 - 200	0.0000	+/-0.50	
ISTD: Chlorobenzene-d5	311706	7.59	301990	7.59	103	50 - 200	0.0000	+/-0.50	
ISTD: 1,4-Dichlorobenzene-d4	294377	10.1	286237	10.1	103	50 - 200	0.0000	+/-0.50	
Initial Cal Blank (TG50152-ICB1)			Lab File ID: W012707.D			Analyzed: 07/08/25 01:13			
ISTD: 1,4-Difluorobenzene	549427	4.74	556954	4.74	99	50 - 200	0.0000	+/-0.50	
ISTD: Chlorobenzene-d5	274386	7.59	301990	7.59	91	50 - 200	0.0000	+/-0.50	
ISTD: 1,4-Dichlorobenzene-d4	289447	10.1	286237	10.1	101	50 - 200	0.0000	+/-0.50	
Initial Cal Check (TG50152-ICV1)			Lab File ID: W012708.D			Analyzed: 07/08/25 01:41			
ISTD: 1,4-Difluorobenzene	574213	4.74	556954	4.74	103	50 - 200	0.0000	+/-0.50	
ISTD: Chlorobenzene-d5	303342	7.59	301990	7.59	100	50 - 200	0.0000	+/-0.50	
ISTD: 1,4-Dichlorobenzene-d4	292039	10.1	286237	10.1	102	50 - 200	0.0000	+/-0.50	

FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8260D

Laboratory: York Analytical Laboratories- Toms River
SDG: T5H0412
Client: Kenny Environmental Services
Project: Tom Olivieri Park
Sequence: TH50235
Instrument: GCMS-W
Calibration: TG50010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (TH50235-CCV1)			Lab File ID: W013187.D			Analyzed: 08/14/25 13:18			
ISTD: 1,4-Difluorobenzene	636171	4.74				50 - 200		+/-0.50	
ISTD: Chlorobenzene-d5	338060	7.59				50 - 200		+/-0.50	
ISTD: 1,4-Dichlorobenzene-d4	384140	10.1				50 - 200		+/-0.50	
LCS (T25H248-BS1)			Lab File ID: W013188.D			Analyzed: 08/14/25 13:44			
ISTD: 1,4-Difluorobenzene	661652	4.74	636171	4.74	104	50 - 200	0.0000	+/-0.50	
ISTD: Chlorobenzene-d5	354692	7.59	338060	7.59	105	50 - 200	0.0000	+/-0.50	
ISTD: 1,4-Dichlorobenzene-d4	385920	10.1	384140	10.1	100	50 - 200	0.0000	+/-0.50	
LCS Dup (T25H248-BSD1)			Lab File ID: W013189.D			Analyzed: 08/14/25 14:11			
ISTD: 1,4-Difluorobenzene	645301	4.74	636171	4.74	101	50 - 200	0.0000	+/-0.50	
ISTD: Chlorobenzene-d5	341582	7.59	338060	7.59	101	50 - 200	0.0000	+/-0.50	
ISTD: 1,4-Dichlorobenzene-d4	372113	10.1	384140	10.1	97	50 - 200	0.0000	+/-0.50	
Blank (T25H248-BLK1)			Lab File ID: W013191.D			Analyzed: 08/14/25 15:05			
ISTD: 1,4-Difluorobenzene	589689	4.74	636171	4.74	93	50 - 200	0.0000	+/-0.50	
ISTD: Chlorobenzene-d5	329771	7.59	338060	7.59	98	50 - 200	0.0000	+/-0.50	
ISTD: 1,4-Dichlorobenzene-d4	350751	10.1	384140	10.1	91	50 - 200	0.0000	+/-0.50	
S-1 (T5H0412-01)			Lab File ID: W013193.D			Analyzed: 08/14/25 15:59			
ISTD: 1,4-Difluorobenzene	578072	4.74	636171	4.74	91	50 - 200	0.0000	+/-0.50	
ISTD: Chlorobenzene-d5	302098	7.58	338060	7.59	89	50 - 200	-0.0100	+/-0.50	
ISTD: 1,4-Dichlorobenzene-d4	318990	10.1	384140	10.1	83	50 - 200	0.0000	+/-0.50	

FORM VI INITIAL CALIBRATION DATA

SW-846 8260D

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Project:	Tom Olivieri Park
Calibration:	TG50010	Instrument:	GCMS-W
		Calibration Date:	07/07/25 12:00

Response Factor Report GCMS-W

Method Path : L:\GCMS\GCMS-W\Methods\
Method File : VOW_0707.M
Title : Volatile Organics by SW-846 8260D and EPA 624.1
Last Update : Thu Jul 10 12:03:55 2025
Response Via : Initial Calibration

Calibration Files
2 =W012713.D 4 =W012695.D 7.5 =W012696.D
20 =W012698.D = 75 =W012701.D

		Compound	2	4	7.5	20		75	Avg	%RSD	
1)	I	1,4-Difluorobenzene	----------	----------	ISTD	----------	----------	----------			
2)	T	Dichlorodiflu...	0.212	0.235	0.244	0.341	0.244	0.268	0.255	13.94	
3)	T	Chloromethane	0.207	0.239	0.239	0.291	0.208	0.211	0.225	11.69	
4)	T	Vinyl chloride	0.172	0.201	0.188	0.262	0.188	0.198	0.197	12.75	
5)	T	Bromomethane	0.031	0.053	0.040	0.045	0.045	0.047	0.046	13.41	
6)	T	Chloroethane	0.088	0.110	0.087	0.103	0.082	0.095	0.089	12.35	
7)	T	Acrolein	0.010	0.011	0.011	0.014	0.011	0.012	0.011	11.16	
8)	T	Trichlorofluo...	0.246	0.332	0.297	0.415	0.306	0.332	0.317	13.31	
9)	T	Acetone	0.165	0.139	0.092	0.091	0.068	0.077	0.085	41.97	Q=0.998
10)	T	1,1-dichloroe...	0.284	0.298	0.269	0.360	0.275	0.279	0.284	9.91	
11)	T	Iodomethane	0.065	0.056	0.072	0.093	0.071	0.075	0.072	13.02	
12)	T	tert-Butyl Al...	0.023	0.027	0.026	0.032	0.025	0.025	0.026	11.75	
13)	T	Acrylonitrile	0.038	0.044	0.045	0.055	0.042	0.044	0.044	11.23	
14)	T	Methylene chl...	0.403	0.296	0.211	0.190	0.135	0.154	0.185	48.39	Q=1.000
15)	T	1,1,2-Trichlo...	0.143	0.153	0.143	0.192	0.150	0.158	0.153	10.08	
16)	T	Methyl Acetate	0.186	0.177	0.158	0.171	0.125	0.128	0.144	17.83	
17)	T	Carbon Disulfide	0.381	0.361	0.386	0.470	0.368	0.384	0.374	10.87	
18)	T	trans-1,2-dic...	0.200	0.251	0.231	0.294	0.216	0.227	0.230	11.12	
19)	T	Methyl tert-B...	0.287	0.451	0.490	0.605	0.448	0.465	0.458	16.31	
20)	T	1,1-dichloroe...	0.268	0.290	0.289	0.390	0.272	0.304	0.292	12.90	
21)	T	Vinyl Acetate	0.629	0.724	0.686	0.876	0.663	0.684	0.693	10.43	
22)	T	2-Butanone	0.054	0.095	0.064	0.061	0.047	0.056	0.055	27.26	Q=0.995
23)	T	DIPE-Di-isopr...	0.443	0.537	0.496	0.672	0.496	0.520	0.519	11.67	
24)	T	cis-1,2-dichl...	0.354	0.459	0.353	0.536	0.401	0.435	0.415	13.02	
25)	T	Bromochlorome...	0.184	0.207	0.197	0.250	0.175	0.190	0.190	12.57	
26)	T	Chloroform	0.373	0.396	0.387	0.526	0.390	0.410	0.406	11.23	
27)	T	2,2-dichlorop...	0.358	0.415	0.398	0.495	0.363	0.391	0.385	11.41	
28)	T	ETBE-Ethyl te...	0.555	0.708	0.655	0.905	0.681	0.711	0.696	12.61	
29)	S	Pentafluorobe...	0.645	0.699	0.702	0.706	0.706	0.715	0.695	2.59	
30)	T	1,2-dichloroe...	0.293	0.334	0.328	0.423	0.335	0.364	0.346	9.86	
31)	T	1,1,1-trichlo...	0.291	0.436	0.376	0.519	0.383	0.398	0.395	14.39	
32)	T	1,1-dichlorop...	0.281	0.318	0.293	0.401	0.297	0.319	0.311	11.57	
33)	T	Cyclohexane	0.642	0.643	0.551	0.612	0.420	0.442	0.492	20.55	Q=0.997
34)	T	Carbon tetrac...	0.341	0.399	0.350	0.475	0.346	0.341	0.364	11.88	
35)	T	Benzene	0.789	0.877	0.795	1.138	0.818	0.872	0.862	12.06	
36)	T	TAME-Tert amy...	0.525	0.686	0.617	0.824	0.629	0.638	0.646	11.65	
37)	S	Dibromofluoro...	0.325	0.309	0.315	0.318	0.315	0.312	0.313	1.77	
38)	T	Dibromomethane	0.146	0.152	0.145	0.194	0.143	0.151	0.151	11.01	
39)	T	1,2-dichlorop...	0.150	0.224	0.202	0.292	0.210	0.221	0.214	15.83	

40)	T	Trichloroethene	0.202	0.251	0.219	0.303	0.228	0.239	0.237	11.60	
41)	T	Bromodichloro...	0.310	0.309	0.303	0.419	0.317	0.329	0.325	10.59	
42)	T	1,4-Dioxane	0.000	0.001	0.001	0.003	0.002	0.002	0.002	38.49	Q=1.002
43)	T	Methylcyclohe...	0.358	0.424	0.383	0.501	0.365	0.391	0.391	11.18	
44)	T	2-Chloroethyl...	0.007	0.021	0.023	0.023	0.017	0.019	0.018	24.34	Q=0.998
45)	T	cis-1,3-dichl...	0.327	0.368	0.371	0.488	0.361	0.376	0.375	11.43	
46)	T	4-Methyl-2-Pe...	0.225	0.277	0.260	0.349	0.259	0.266	0.269	12.19	
47)	T	trans-1,3-dic...	0.237	0.339	0.340	0.455	0.351	0.346	0.349	14.70	
48)	T	1,1,2-trichlo...	0.137	0.196	0.163	0.231	0.176	0.187	0.179	13.23	
49)	S	Toluene-d8	1.204	1.173	1.166	1.178	1.199	1.210	1.182	1.48	
50)	I	Chlorobenzene-d5	----------ISTD----------								
51)	T	Toluene	1.621	2.010	1.699	2.320	1.673	1.816	1.812	11.71	
52)	T	1,3-dichlorop...	0.460	0.604	0.588	0.805	0.566	0.594	0.591	14.02	
53)	T	Dibromochloro...	0.373	0.473	0.416	0.562	0.424	0.426	0.443	10.96	
54)	T	2-Hexanone	0.319	0.362	0.319	0.443	0.339	0.352	0.356	10.68	
55)	T	1,2-dibromoet...	0.358	0.361	0.351	0.472	0.342	0.342	0.359	11.14	
56)	T	Tetrachloroet...	0.401	0.524	0.501	0.672	0.481	0.515	0.502	13.06	
57)	T	1,1,1,2-tetra...	0.274	0.456	0.411	0.546	0.402	0.418	0.415	15.44	
58)	T	Chlorobenzene	1.011	1.272	1.095	1.469	1.066	1.126	1.139	11.74	
59)	T	Ethylbenzene	1.754	2.084	2.027	2.653	1.925	2.033	2.044	11.48	
60)	T	m&p-xylenes	0.669	0.783	0.782	1.012	0.705	0.766	0.762	12.68	
61)	T	Bromoform	0.281	0.356	0.290	0.407	0.313	0.315	0.326	10.78	
62)	T	Styrene	1.061	0.701	1.200	1.676	1.206	1.246	1.215	19.19	Q=0.998
63)	T	1,1,2,2-tetra...	0.422	0.446	0.424	0.601	0.421	0.453	0.454	12.14	
64)	T	o-xylene	1.567	1.795	1.710	2.165	1.564	1.688	1.703	10.52	
65)	T	1,2,3-trichlo...	0.173	0.180	0.158	0.186	0.134	0.139	0.153	12.78	
66)	T	Isopropylbenzene	1.673	2.278	2.068	2.644	1.913	1.981	2.036	12.46	
67)	I	1,4-Dichlorobenzen...	----------ISTD----------								
68)	S	4-Bromofluoro...	1.010	0.968	0.977	1.014	0.998	1.035	1.000	1.81	
69)	T	Bromobenzene	0.788	0.893	0.797	1.098	0.846	0.895	0.874	9.98	
70)	T	n-propylbenzene	2.391	2.635	2.475	3.275	2.424	2.557	2.562	10.07	
71)	T	2-chlorotoluene	1.348	1.626	1.449	2.007	1.472	1.552	1.545	11.20	
72)	T	4-chlorotoluene	1.705	1.978	1.765	2.340	1.753	1.642	1.830	10.40	
73)	T	1,3,5-trimeth...	1.625	1.836	1.829	2.435	1.860	1.917	1.908	10.34	
74)	T	tert-butylben...	1.495	1.798	1.616	2.093	1.574	1.626	1.662	10.09	
75)	T	1,2,4-trimeth...	1.664	2.003	1.842	2.458	1.864	1.883	1.915	10.60	
76)	T	sec-butylbenzene	2.180	2.557	2.349	3.084	2.317	2.360	2.417	10.21	
77)	T	1,3-dichlorob...	0.887	1.070	1.029	1.401	1.010	1.046	1.046	12.61	
78)	T	1,4-dichlorob...	1.051	1.054	1.028	1.377	0.991	1.061	1.061	10.70	
79)	T	4-isopropylto...	1.776	2.235	2.128	2.758	2.087	2.139	2.162	11.04	
80)	T	1,2-dichlorob...	1.053	1.054	1.028	1.377	0.991	1.061	1.062	10.70	
81)	T	n-butylbenzene	1.779	2.094	1.920	2.578	1.961	1.924	2.017	10.31	
82)	T	1,2-dibromo-3...	0.133	0.136	0.124	0.165	0.128	0.133	0.134	8.72	
83)	T	1,2,4-trichlo...	0.839	0.847	0.841	1.066	0.811	0.819	0.843	9.43	
84)	T	Hexachlorobut...	0.456	0.557	0.554	0.702	0.527	0.540	0.550	10.68	
85)	T	Naphthalene	1.725	2.037	1.809	2.421	1.772	1.847	1.887	10.86	
86)	T	1,2,3-trichlo...	0.784	0.842	0.765	1.015	0.761	0.775	0.796	10.03	

(# = Out of Range ### Number of calibration levels exceeded format ###

VOW 707.M Thu Jul 10 16:41:27 2025

FORM VII CONTINUING CALIBRATION CHECK

SW-846 8260D

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Instrument:	GCMS-W
Project:	Tom Olivieri Park	Calibration:	TG50010
Lab File ID:	W013187.D	Calibration Date:	07/07/25 12:00
Sequence:	TH50235	Injection Date:	08/14/25 13:18
Lab Sample ID:	TH50235-CCV1		

Compound	TRUE Value (ug/L)	Actual Value (ug/L)	% Recovery	In House LL	In House UL	DKQP LL	DKQP UL	Recovery Flag
1,1,1-Trichloroethane	50.0	48.3	96.6	80	120	70.00	130.00	
1,1,2,2-Tetrachloroethane	50.0	47.7	95.5	80	120	40.00	160.00	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.0	51.0	102	80	120	70.00	130.00	
1,1,2-Trichloroethane	50.0	48.6	97.3	80	120	70.00	130.00	
1,1-Dichloroethane	50.0	58.9	118	80	120	70.00	130.00	
1,1-Dichloroethylene	50.0	50.5	101	80	120	70.00	130.00	
1,2,3-Trichlorobenzene	50.0	40.2	80.3	80	120	70.00	130.00	
1,2,4-Trichlorobenzene	50.0	40.1	80.1	80	120	70.00	130.00	
1,2-Dibromoethane	50.0	48.4	96.9	80	120	70.00	130.00	
1,2-Dichlorobenzene	50.0	43.7	87.5	80	120	70.00	130.00	
1,2-Dichloroethane	50.0	44.8	89.5	80	120	70.00	130.00	
1,2-Dichloropropane	50.0	49.4	98.9	80	120	70.00	130.00	
1,3-Dichlorobenzene	50.0	45.5	91.0	80	120	70.00	130.00	
1,4-Dichlorobenzene	50.0	44.8	89.6	80	120	70.00	130.00	
2-Butanone	50.0	40.3	80.6	80	120	40.00	160.00	
2-Hexanone	50.0	44.9	89.8	80	120	40.00	160.00	
4-Methyl-2-pentanone	50.0	44.5	89.1	80	120	40.00	160.00	
Acetone	50.0	54.9	110	80	120	40.00	160.00	
Benzene	50.0	49.6	99.3	80	120	70.00	130.00	
Bromochloromethane	50.0	47.3	94.6	80	120	70.00	130.00	
Bromodichloromethane	50.0	46.7	93.5	80	120	70.00	130.00	
Bromoform	50.0	46.7	93.5	80	120	40.00	160.00	
Bromomethane	50.0	59.6	119	80	120	40.00	160.00	
Carbon disulfide	50.0	58.8	118	80	120	70.00	130.00	

FORM VII CONTINUING CALIBRATION CHECK

SW-846 8260D

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Instrument:	GCMS-W
Project:	Tom Olivieri Park	Calibration:	TG50010
Lab File ID:	W013187.D	Calibration Date:	07/07/25 12:00
Sequence:	TH50235	Injection Date:	08/14/25 13:18
Lab Sample ID:	TH50235-CCV1		

Compound	TRUE Value (ug/L)	Actual Value (ug/L)	% Recovery	In House LL	In House UL	DKQP LL	DKQP UL	Recovery Flag
Carbon tetrachloride	50.0	45.9	91.7	80	120	70.00	130.00	
Chlorobenzene	50.0	49.1	98.3	80	120	70.00	130.00	
Chloroethane	50.0	59.9	120	80	120	70.00	130.00	
Chloroform	50.0	47.5	95.0	80	120	70.00	130.00	
Chloromethane	50.0	47.3	94.6	80	120	70.00	130.00	
cis-1,2-Dichloroethylene	50.0	43.2	86.5	80	120	70.00	130.00	
cis-1,3-Dichloropropylene	50.0	48.8	97.6	80	120	40.00	160.00	
Cyclohexane	50.0	40.0	79.9	80	120	70.00	130.00	LIM-L
Dibromochloromethane	50.0	49.7	99.4	80	120	70.00	130.00	
Dichlorodifluoromethane	50.0	22.2	44.4	80	120	40.00	160.00	LIM-L
Ethyl Benzene	50.0	49.7	99.4	80	120	70.00	130.00	
Isopropylbenzene	50.0	51.7	103	80	120	70.00	130.00	
Methyl acetate	50.0	55.5	111	80	120	70.00	130.00	
Methyl tert-butyl ether (MTBE)	50.0	58.1	116	80	120	70.00	130.00	
Methylcyclohexane	50.0	40.6	81.1	80	120	70.00	130.00	
Methylene chloride	50.0	59.9	120	80	120	70.00	130.00	
o-Xylene	50.0	50.1	100	80	120	70.00	130.00	
p- & m- Xylenes	100	106	106	80	120	70.00	130.00	
Styrene	50.0	51.3	103	80	120	40.00	160.00	
tert-Butyl alcohol (TBA)	750	866	115	80	120	70.00	130.00	
Tetrachloroethylene	50.0	48.5	97.0	80	120	70.00	130.00	
Toluene	50.0	48.4	96.9	80	120	70.00	130.00	
trans-1,2-Dichloroethylene	50.0	56.2	112	80	120	70.00	130.00	
trans-1,3-Dichloropropylene	50.0	49.0	97.9	80	120	70.00	130.00	
Trichloroethylene	50.0	52.6	105	80	120	70.00	130.00	

Qual **Definitions**

LIM-L This compound failed outside in house control limit criteria biased low but was within DKQP defined criteria.

FORM VII CONTINUING CALIBRATION CHECK

SW-846 8260D

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Instrument:	GCMS-W
Project:	Tom Olivieri Park	Calibration:	TG50010
Lab File ID:	W013187.D	Calibration Date:	07/07/25 12:00
Sequence:	TH50235	Injection Date:	08/14/25 13:18
Lab Sample ID:	TH50235-CCV1		

Compound	TRUE Value (ug/L)	Actual Value (ug/L)	% Recovery	In House LL	In House UL	DKQP LL	DKQP UL	Recovery Flag
Trichlorofluoromethane	50.0	49.7	99.4	80	120	70.00	130.00	
Vinyl Chloride	50.0	47.0	94.1	80	120	70.00	130.00	

SM 2540G

Sample Information

Client Sample ID: **S-1** **York Sample ID:** **T5H0412-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
T5H0412	Tom Olivieri Park	Soil	August 11, 2025 10:00 am	08/12/2025

Total Solids

Sample Prepared by Method: % Solids Prep

Results Reported to RL

% Solids: 99.08

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
solids	*** % Solids**	99.1		%	0.100	1	SM 2540G	08/14/2025 08:48	08/14/2025 14:47	ATL

Sample Information

Client Sample ID: **S-2** **York Sample ID:** **T5H0412-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
T5H0412	Tom Olivieri Park	Soil	August 11, 2025 10:05 am	08/12/2025

Total Solids

Sample Prepared by Method: % Solids Prep

Results Reported to RL

% Solids: 99.23

CAS No.	Parameter	Result	Flag	Units	RL	Dilution	Reference Method	Prepared	Analyzed	Analyst
solids	*** % Solids**	99.2		%	0.100	1	SM 2540G	08/14/2025 08:48	08/14/2025 14:47	ATL

DUPLICATES

SM 2540G

Duplicate

Laboratory: York Analytical Laboratories- Toms River
Client: Kenny Environmental Services
Matrix: Soil
Batch: T25H312
Preparation: % Solids Prep
Source Sample Name: Duplicate

SDG: T5H0412
Project: Tom Olivieri Park
Laboratory ID: T25H312-DUP1
Lab Source ID: T5H0437-02
Initial/Final: 5 g / 5 g
% Solids: 84.38

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (%)	C	DUPLICATE CONCENTRATION (%)	C	RPD %	Q	METHOD
% Solids	20	84.4		86.1		2.07		SM 2540G

* Values outside of QC limits

DUPLICATES

SM 2540G

Duplicate

Laboratory: York Analytical Laboratories- Toms River
Client: Kenny Environmental Services
Matrix: Soil
Batch: T25H312
Preparation: % Solids Prep
Source Sample Name: Duplicate

SDG: T5H0412
Project: Tom Olivieri Park
Laboratory ID: T25H312-DUP2
Lab Source ID: T5H0484-01
Initial/Final: 5 g / 5 g
% Solids: 86.09

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (%)	C	DUPLICATE CONCENTRATION (%)	C	RPD %	Q	METHOD
% Solids	20	86.1		86.4		0.406		SM 2540G

* Values outside of QC limits

DUPLICATES

SM 2540G

Duplicate

Laboratory: York Analytical Laboratories- Toms River
Client: Kenny Environmental Services
Matrix: Soil
Batch: T25H312
Preparation: % Solids Prep
Source Sample Name: Duplicate

SDG: T5H0412
Project: Tom Olivieri Park
Laboratory ID: T25H312-DUP3
Lab Source ID: T5H0484-06
Initial/Final: 5 g / 5 g
% Solids: 87.32

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (%)	C	DUPLICATE CONCENTRATION (%)	C	RPD %	Q	METHOD
% Solids	20	87.3		87.2		0.121		SM 2540G

* Values outside of QC limits

FORM IV **PREPARATION BATCH SUMMARY**

SM 2540G

Laboratory: York Analytical Laboratories- Toms River SDG: T5H0412

Client: Kenny Environmental Services Project: Tom Olivieri Park

Batch: T25H312 Batch Matrix: Soil Preparation: % Solids Prep

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Duplicate	T25H312-DUP1	T25H312_20250814-021	08/14/25 08:48	
Duplicate	T25H312-DUP2	T25H312_20250814-042	08/14/25 08:48	
Duplicate	T25H312-DUP3	T25H312_20250814-048	08/14/25 08:48	
S-1	T5H0412-01	T25H312_20250814-015	08/14/25 08:48	
S-2	T5H0412-02	T25H312_20250814-016	08/14/25 08:48	

SW-846 9014

Sample Information

Client Sample ID: **S-1** **York Sample ID:** **T5H0412-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
T5H0412	Tom Olivieri Park	Soil	August 11, 2025 10:00 am	08/12/2025

Wet Chemistry Parameters

Sample Prepared by Method: SW-846 9013A/9010C (CN Extract/Distill) Results Reported to MDL % Solids: 99.08

CAS No.	Parameter	Result	Flag	Units	RL	MDL	Dilution	Reference Method	Prepared	Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.990	0.277	1	SW-846 9014	08/18/2025 10:17	08/18/2025 11:30	JMD2

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW-846 9014

Matrix Spike

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Project:	Tom Olivieri Park
Matrix:	Soil		
Batch:	T25H396	Laboratory ID:	T25H396-MS1
Preparation:	SW-846 9013A/9010C (CN Extract/Distill)	Initial/Final:	1 g / 100 ml

Source Sample Name: T5H0553-01

COMPOUND	SPIKE ADDED (mg/kg dry)	SAMPLE CONCENTRATION (mg/kg dry)	MS CONCENTRATION (mg/kg dry)	MS % REC. #	QC LIMITS REC.	Q
Cyanide, total	10.7	ND	8.83	82.4 *	85 - 115	M-Spk

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW-846 9014

Matrix Spike Dup

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Project:	Tom Olivieri Park
Matrix:	Soil		
Batch:	T25H396	Laboratory ID:	T25H396-MSD1
Preparation:	SW-846 9013A/9010C (CN Extract/Distill)	Initial/Final:	1 g / 100 ml

Source Sample Name: T5H0553-01

COMPOUND	SPIKE ADDED (mg/kg dry)	MSD CONCENTRATION (mg/kg dry)	MSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.	Q
Cyanide, total	10.7	8.83	82.4	*	0.00	200	85 - 115	M-Spk

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

DUPLICATES

SW-846 9014

Duplicate

Laboratory: York Analytical Laboratories- Toms River
Client: Kenny Environmental Services
Matrix: Soil
Batch: T25H396
Preparation: SW-846 9013A/9010C (CN Extract/Distill)
Source Sample Name: Duplicate

SDG: T5H0412
Project: Tom Olivieri Park
Laboratory ID: T25H396-DUP1
Lab Source ID: T5H0553-01
Initial/Final: 1 g / 100 ml
% Solids: 93.31

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/kg dry)	C	DUPLICATE CONCENTRATION (mg/kg dry)	C	RPD %	Q	METHOD
Cyanide, total	15	ND		ND				SW-846 9014

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 9014

Laboratory:	York Analytical Laboratories- Toms River	SDG:	T5H0412
Client:	Kenny Environmental Services	Project:	Tom Olivieri Park
Matrix:	Soil		
Batch:	T25H396	Laboratory ID:	T25H396-BS1
Preparation:	SW-846 9013A/9010C (CN Extract/Distill)	Initial/Final:	1 g / 100 ml

COMPOUND	SPIKE ADDED (mg/kg wet)	LCS CONCENTRATION (mg/kg wet)	LCS % REC. #	QC LIMITS REC.	Q
Cyanide, total	20.0	20.0	100	85 - 115	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM IV

PREPARATION BATCH SUMMARY

SW-846 9014

Laboratory: York Analytical Laboratories- Toms River SDG: T5H0412

Client: Kenny Environmental Services Project: Tom Olivieri Park

Batch: T25H396 Batch Matrix: Soil Preparation: SW-846 9013A/9010C (CN Extract/Distill)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	T25H396-BLK1	V1_T25H396_2508181(	08/18/25 10:17	
LCS	T25H396-BS1	V1_T25H396_2508181(	08/18/25 10:17	
Duplicate	T25H396-DUP1	V1_T25H396_2508181(	08/18/25 10:17	
MRL Check	T25H396-MRL1	V1_T25H396_2508181(	08/18/25 10:17	
Matrix Spike	T25H396-MS1	V1_T25H396_2508181(	08/18/25 10:17	
Matrix Spike Dup	T25H396-MSD1	V1_T25H396_2508181(	08/18/25 10:17	
S-1	T5H0412-01	V1_T25H396_2508181(	08/18/25 10:17	

FORM I

METHOD BLANK DATA SHEET

SW-846 9014

Laboratory:	York Analytical Laboratories- Toms River			SDG:	T5H0412
Client:	Kenny Environmental Services			Project:	Tom Olivieri Park
Matrix:	Soil	Laboratory ID:	T25H396-BLK1	File ID:	CyanideSV1_T25H396_2508181(
Prepared:	08/18/25 10:17	Preparation:	SW-846 9013A/9010C (CN Extract/Distill)	Initial/Final:	1 g / 100 ml
Analyzed:	08/18/25 11:30	Instrument:	Genesys 30		
Batch:	T25H396	Sequence:		Calibration:	

CAS NO.	COMPOUND	CONC. (mg/kg wet)	Q
57-12-5	Cyanide, total	1.00	U

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

YORK Project Number: TSH042

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document. This legal document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 56 Church Hill Rd. #2 Newtown, CT 06470 2161 Whitesville Rd Toms River, NJ 08755 clientservices@yorklab.com 800-306-YORK

Page 1 of 1

Report To:	Invoice To:
Company: Kenney Env. Services	Company:
Address: 4 Sheffield Dr Marlton, NJ 08053	Address: SAME
Phone.: 609-744-5248	Phone.:
Contact: Paul Kenney	Contact:
E-mail: PaulKenneyNJ@Comcast.net	E-mail:

YOUR Project Name / Number: TDM Olivieri Park

PO Number:

Samples Collected From: NY ✓ NJ CT PA Other: (please specify)

Analyses Requested: EPH, TAL/TCL+3, PART TAL Metals

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil/solid/sludge; GW - groundwater; DW - drinking water; SW - surface water; WW - wastewater; O - Oil; Other

Preservative (please list number of containers)

Sample Identification	Date	Time	Matrix	Unpreserved	HCl (hydrochloric acid)	MeOH (methanol)	HNO_3 (nitric acid)	H_2SO_4 (sulfuric acid)	NaOH (sodium hydroxide)	$Na_2S_2O_3$ (sodium thio.)	Trizma	Ammonium Acetate	Other:	Grab or Comp.
S-1	8/11	10:00	S											G/C
S-2	8/11	10:05	S											G/C

Turn-Around Time: RUSH - Next Day; RUSH - Two Day; RUSH - Three Day; RUSH - Four Day; RUSH - Five Day; Standard (Up to 10 Days) ✓; PFAS Standard 7-10 Day

Report Type (circle): QA Report; Summary (Results Only); NY ASP B Package; (NJ Reduced); NJ DKQP; NJ Full; CT RCP

EDD Type (circle): EQuIS (standard); NYSDEC EQuIS; NJDEP SRP Haz Site; Standard Excel; CMDP; Other:

Regulatory Comparative: Compared to the following Regulation(s): (please fill in)

Field Filtered

Lab Filtered

Comments:

Samples iced/chilled at time of lab pickup? circle Yes or No

Lab Sample Receiving Checklist (to be completed by the receiving laboratory only) Circle Y / N

Custody Seals: Y / N Containers Intact: Y / N COC/Labels Agree: Y / N Preservation Confirmed: Y / N

COC Complete: Y / N COC Received: Y / N Appropriate Sample Volumes: Y / N Appropriate Sample Containers: Y / N

Cooler Temperature Confirmed: Y / N Samples Submitted within Holding Times: Y / N Corrective Action Form Required: Y / N

Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
KES		Bob Groth York	8/12/25 11:50	Bob Groth York	8/12/25 17:00
Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
					8/12/25 17:05 2.9 Degrees C