284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

DATA PACKAGE

GC SEMI-VOLATILES
VOLATILE ORGANICS

PROJECT NAME : HILLSIDE

G ENVIRONMENTAL

8 Carriage Ln

Succasunna, NJ - 07876

Phone No: 973-294-1771

ORDER ID : Q1987

ATTENTION : Gary Landis

Laboratory Certification ID # 20012

Table Of Contents for Q1987

DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : Alliance Technical Group LLC Client : G Environmental

Project Location : NJ Project Number : - Hillside

Laboratory Sample ID(s) : Q1987 Sampling Date(s) : 5/07/2025

List DKQP Methods Used (e.g., 8260,8270, et Cetra) **8260D,NJEPH,SOP**

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?	☑ Yes ☐ No
1A	Were the method specified handling, preservation, and holding time requirements met?	☑ Yes ☐ No
1B	EPH Method: Was the EPH method conducted without significant modifications (see Section 11.3 of respective DKQ methods)	☑ Yes ☐ No ☐ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (4±2° C)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	☐ Yes ☑ No
5	a)Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt? b)Were these reporting limits met?	☑ Yes ☐ No ☑ Yes ☐ No ☐ N/A
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?	☑ Yes ☐ No
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	☑ Yes ☐ No

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.”

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Cover Page

Order ID : Q1987

Project ID : Hillside

Client : G Environmental

Lab Sample Number	Client Sample Number
Q1987-01	GC1

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 5/16/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

284 Sheffield Street, Mountainside, NJ 07092
Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

G Environmental
Project Name: Hillside
Project # N/A
Order ID # Q1987
Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 05/08/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: EPH_NF and VOCMS Group1. This data package contains results for VOCMS Group1.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_Y were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of VOCMS Group1 was based on method 8260D.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for GC1 [1,2-Dichloroethane-d4 - 131%]. This compound did not meet the NJDKQP criteria but met the in-house criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD for {VY0512SBSD01} with File ID: VY022211.D met criteria except for Acetone[22%] due to difference in BS and BSD concentrations.
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The %RSD is greater than 20% in the Initial Calibration method (82Y042225S.M) for Acetone, this is passing on Linear Regression.
The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

E. Additional Comments:
Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.
Trip Blank was not provided with this set of samples.
The soil samples results are based on a dry weight basis.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial

284 Sheffield Street, Mountainside, NJ 07092
Phone: 908 789 8900 Fax: 908 789 8922

Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

284 Sheffield Street, Mountainside, NJ 07092
Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

G Environmental
Project Name: Hillside
Project # N/A
Order ID # Q1987
Test Name: EPH_NF

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 05/08/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: EPH_NF and VOCMS Group1. This data package contains results for EPH_NF.

C. Analytical Techniques:
The analysis were performed on instrument FID_C. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224.The analysis of EPH_NFs was based on method NJEPH and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .

E. Additional Comments:

The soil samples results are based on a dry weight basis.

284 Sheffield Street, Mountainside, NJ 07092
Phone: 908 789 8900 Fax: 908 789 8922

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

284 Sheffield Street, Mountainside NJ 07092 Tel.
908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1987

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: SOHIL JODHANI **Date:** 05/16/2025

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q1987

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**GC1**							
Q1987-01	GC1	SOIL	Butylated Hydroxytoluene	* 6.60	J	0	0	ug/Kg
			Total Tics :	6.60				
			Total Concentration:	6.60				

SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	05/07/25
Project:	Hillside	Date Received:	05/08/25
Client Sample ID:	GC1	SDG No.:	Q1987
Lab Sample ID:	Q1987-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.6
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022230.D	1		05/12/25 17:19	VY051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
74-87-3	Chloromethane	1.30	U	1.30	5.80	ug/Kg
75-01-4	Vinyl Chloride	0.91	U	0.91	5.80	ug/Kg
74-83-9	Bromomethane	1.20	U	1.20	5.80	ug/Kg
75-00-3	Chloroethane	1.50	U	1.50	5.80	ug/Kg
75-65-0	Tert butyl alcohol	15.8	U	15.8	28.9	ug/Kg
75-35-4	1,1-Dichloroethene	1.20	U	1.20	5.80	ug/Kg
67-64-1	Acetone	5.50	U	5.50	28.9	ug/Kg
75-15-0	Carbon Disulfide	1.20	U	1.20	5.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.84	U	0.84	5.80	ug/Kg
75-09-2	Methylene Chloride	4.10	U	4.10	11.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.99	U	0.99	5.80	ug/Kg
75-34-3	1,1-Dichloroethane	0.92	U	0.92	5.80	ug/Kg
78-93-3	2-Butanone	7.60	U	7.60	28.9	ug/Kg
56-23-5	Carbon Tetrachloride	1.10	U	1.10	5.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.87	U	0.87	5.80	ug/Kg
67-66-3	Chloroform	0.97	U	0.97	5.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.10	U	1.10	5.80	ug/Kg
71-43-2	Benzene	0.91	U	0.91	5.80	ug/Kg
107-06-2	1,2-Dichloroethane	0.91	U	0.91	5.80	ug/Kg
79-01-6	Trichloroethene	0.94	U	0.94	5.80	ug/Kg
78-87-5	1,2-Dichloropropane	1.10	U	1.10	5.80	ug/Kg
75-27-4	Bromodichloromethane	0.90	U	0.90	5.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.10	U	4.10	28.9	ug/Kg
108-88-3	Toluene	0.90	U	0.90	5.80	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.75	U	0.75	5.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.72	U	0.72	5.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.10	U	1.10	5.80	ug/Kg
591-78-6	2-Hexanone	4.30	U	4.30	28.9	ug/Kg
124-48-1	Dibromochloromethane	1.00	U	1.00	5.80	ug/Kg
127-18-4	Tetrachloroethene	1.20	U	1.20	5.80	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	05/07/25
Project:	Hillside	Date Received:	05/08/25
Client Sample ID:	GC1	SDG No.:	Q1987
Lab Sample ID:	Q1987-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.6
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022230.D	1		05/12/25 17:19	VY051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-90-7	Chlorobenzene	1.10	U	1.10	5.80	ug/Kg
100-41-4	Ethyl Benzene	0.77	U	0.77	5.80	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	11.5	ug/Kg
95-47-6	o-Xylene	0.95	U	0.95	5.80	ug/Kg
100-42-5	Styrene	0.82	U	0.82	5.80	ug/Kg
75-25-2	Bromoform	0.99	U	0.99	5.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.40	U	1.40	5.80	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	65.5	*	70 (63) - 130 (155)	131%	SPK: 50
1868-53-7	Dibromofluoromethane	58.3		70 (70) - 130 (134)	117%	SPK: 50
2037-26-5	Toluene-d8	52.1		70 (74) - 130 (123)	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.2		70 (38) - 130 (136)	84%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	140000	7.707			
540-36-3	1,4-Difluorobenzene	262000	8.616			
3114-55-4	Chlorobenzene-d5	235000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	98700	13.347			
TENTATIVE IDENTIFIED COMPOUNDS						
000128-37-0	Butylated Hydroxytoluene	6.60	J		14.0	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Surrogate Summary

SDG No.: Q1987

Client: G Environmental

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
Q1987-01	GC1	1,2-Dichloroethane-d4	50	65.5	131	*	70 (63)	130 (155)
		Dibromofluoromethane	50	58.3	117		70 (70)	130 (134)
		Toluene-d8	50	52.1	104		70 (74)	130 (123)
		4-Bromofluorobenzene	50	42.2	84		70 (38)	130 (136)
VY0512SBL01	VY0512SBL01	1,2-Dichloroethane-d4	50	61.3	123		70 (63)	130 (155)
		Dibromofluoromethane	50	54.9	110		70 (70)	130 (134)
		Toluene-d8	50	49.5	99		70 (74)	130 (123)
		4-Bromofluorobenzene	50	42.4	85		70 (38)	130 (136)
VY0512SBS01	VY0512SBS01	1,2-Dichloroethane-d4	50	48.1	96		70 (63)	130 (155)
		Dibromofluoromethane	50	49.5	99		70 (70)	130 (134)
		Toluene-d8	50	50.0	100		70 (74)	130 (123)
		4-Bromofluorobenzene	50	49.6	99		70 (38)	130 (136)
VY0512SBSD01	VY0512SBSD01	1,2-Dichloroethane-d4	50	54.6	109		70 (63)	130 (155)
		Dibromofluoromethane	50	53.4	107		70 (70)	130 (134)
		Toluene-d8	50	53.7	107		70 (74)	130 (123)
		4-Bromofluorobenzene	50	52.9	106		70 (38)	130 (136)

( ) = LABORATORY INHOUSE LIMIT

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1987

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY022210.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0512SBS01	Chloromethane	20	23.4	ug/Kg	117			40 (70)	160 (130)	
	Vinyl chloride	20	22.5	ug/Kg	113			70 (72)	130 (129)	
	Bromomethane	20	27.0	ug/Kg	135			40 (58)	160 (141)	
	Chloroethane	20	23.8	ug/Kg	119			40 (69)	160 (130)	
	Tert butyl alcohol	100	93.9	ug/Kg	94			70 (24)	130 (175)	
	1,1-Dichloroethene	20	20.1	ug/Kg	101			70 (79)	130 (121)	
	Acetone	100	87.6	ug/Kg	88			40 (60)	160 (131)	
	Carbon disulfide	20	19.8	ug/Kg	99			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	19.1	ug/Kg	96			70 (77)	130 (129)	
	Methylene Chloride	20	21.4	ug/Kg	107			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	20.4	ug/Kg	102			70 (80)	130 (123)	
	1,1-Dichloroethane	20	22.0	ug/Kg	110			70 (82)	130 (123)	
	2-Butanone	100	94.4	ug/Kg	94			40 (69)	160 (131)	
	Carbon Tetrachloride	20	21.3	ug/Kg	106			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	20.7	ug/Kg	104			70 (82)	130 (123)	
	Chloroform	20	21.8	ug/Kg	109			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	21.2	ug/Kg	106			70 (80)	130 (126)	
	Benzene	20	21.4	ug/Kg	107			70 (84)	130 (121)	
	1,2-Dichloroethane	20	21.6	ug/Kg	108			70 (81)	130 (126)	
	Trichloroethene	20	20.9	ug/Kg	104			70 (83)	130 (122)	
	1,2-Dichloropropane	20	22.4	ug/Kg	112			70 (83)	130 (122)	
	Bromodichloromethane	20	21.8	ug/Kg	109			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	100	ug/Kg	100			40 (70)	160 (135)	
	Toluene	20	21.7	ug/Kg	109			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	21.3	ug/Kg	106			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	21.1	ug/Kg	106			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	21.0	ug/Kg	105			70 (82)	130 (125)	
	2-Hexanone	100	97.6	ug/Kg	98			40 (66)	160 (138)	
	Dibromochloromethane	20	20.7	ug/Kg	104			70 (79)	130 (125)	
	Tetrachloroethene	20	21.8	ug/Kg	109			70 (83)	130 (125)	
	Chlorobenzene	20	20.8	ug/Kg	104			70 (84)	130 (122)	
	Ethyl Benzene	20	20.3	ug/Kg	102			70 (82)	130 (124)	
	m/p-Xylenes	40	42.2	ug/Kg	106			70 (83)	130 (124)	
	o-Xylene	20	20.2	ug/Kg	101			70 (83)	130 (123)	
	Styrene	20	20.6	ug/Kg	103			70 (82)	130 (124)	
	Bromoform	20	20.0	ug/Kg	100			70 (75)	130 (127)	
	1,1,2,2-Tetrachloroethane	20	19.7	ug/Kg	99			70 (77)	130 (127)	

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1987

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY022211.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0512SBSD01	Chloromethane	20	23.2	ug/Kg	116	1		40 (70)	160 (130)	30 (20)
	Vinyl chloride	20	22.5	ug/Kg	113	0		70 (72)	130 (129)	30 (20)
	Bromomethane	20	28.5	ug/Kg	143	6		40 (58)	160 (141)	30 (20)
	Chloroethane	20	25.1	ug/Kg	126	6		40 (69)	160 (130)	30 (20)
	Tert butyl alcohol	100	110	ug/Kg	110	16		70 (24)	130 (175)	30 (20)
	1,1-Dichloroethene	20	20.6	ug/Kg	103	2		70 (79)	130 (121)	30 (20)
	Acetone	100	110	ug/Kg	110	22		40 (60)	160 (131)	30 (20)
	Carbon disulfide	20	19.9	ug/Kg	100	1		40 (45)	160 (154)	30 (20)
	Methyl tert-butyl Ether	20	20.9	ug/Kg	104	8		70 (77)	130 (129)	30 (20)
	Methylene Chloride	20	21.3	ug/Kg	106	1		70 (56)	130 (174)	30 (20)
	trans-1,2-Dichloroethene	20	21.0	ug/Kg	105	3		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	22.5	ug/Kg	113	3		70 (82)	130 (123)	30 (20)
	2-Butanone	100	110	ug/Kg	110	16		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	22.2	ug/Kg	111	5		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	21.2	ug/Kg	106	2		70 (82)	130 (123)	30 (20)
	Chloroform	20	22.6	ug/Kg	113	4		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	21.7	ug/Kg	109	3		70 (80)	130 (126)	30 (20)
	Benzene	20	22.0	ug/Kg	110	3		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	22.5	ug/Kg	113	5		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	21.4	ug/Kg	107	3		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	22.7	ug/Kg	114	2		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	22.8	ug/Kg	114	4		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	10		40 (70)	160 (135)	30 (20)
	Toluene	20	22.2	ug/Kg	111	2		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	21.2	ug/Kg	106	0		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	22.1	ug/Kg	111	5		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	22.2	ug/Kg	111	6		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	110	ug/Kg	110	12		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	22.7	ug/Kg	114	9		70 (79)	130 (125)	30 (20)
	Tetrachloroethene	20	22.4	ug/Kg	112	3		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	21.5	ug/Kg	108	4		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	20.6	ug/Kg	103	1		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	42.7	ug/Kg	107	1		70 (83)	130 (124)	30 (20)
	o-Xylene	20	20.5	ug/Kg	103	2		70 (83)	130 (123)	30 (20)
	Styrene	20	21.0	ug/Kg	105	2		70 (82)	130 (124)	30 (20)
	Bromoform	20	22.2	ug/Kg	111	10		70 (75)	130 (127)	30 (20)
	1,1,2,2-Tetrachloroethane	20	22.7	ug/Kg	114	14		70 (77)	130 (127)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0512SBL01

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1987 SAS No.: Q1987 SDG NO.: Q1987

Lab File ID: VY022209.D Lab Sample ID: VY0512SBL01

Date Analyzed: 05/12/2025 Time Analyzed: 08:57

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0512SBS01	VY0512SBS01	VY022210.D	05/12/2025
VY0512SBSD01	VY0512SBSD01	VY022211.D	05/12/2025
GC1	Q1987-01	VY022230.D	05/12/2025

COMMENTS:

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1987 SAS No.: Q1987 SDG NO.: Q1987

Lab File ID: VY021952.D BFB Injection Date: 04/22/2025

Instrument ID: MSVOA_Y BFB Injection Time: 11:33

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.9
75	30.0 - 60.0% of mass 95	49.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.5 (1.7) 1
174	50.0 - 100.0% of mass 95	88.4
175	5.0 - 9.0% of mass 174	7.1 (8) 1
176	95.0 - 101.0% of mass 174	84.9 (96.1) 1
177	5.0 - 9.0% of mass 176	5.5 (6.4) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY021953.D	04/22/2025	13:39
VSTDICC010	VSTDICC010	VY021954.D	04/22/2025	14:44
VSTDICC020	VSTDICC020	VY021955.D	04/22/2025	15:07
VSTDICCC050	VSTDICCC050	VY021956.D	04/22/2025	15:29
VSTDICC100	VSTDICC100	VY021957.D	04/22/2025	15:52
VSTDICC150	VSTDICC150	VY021958.D	04/22/2025	16:15

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1987 SAS No.: Q1987 SDG NO.: Q1987

Lab File ID: VY022207.D BFB Injection Date: 05/12/2025

Instrument ID: MSVOA_Y BFB Injection Time: 07:56

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17
75	30.0 - 60.0% of mass 95	49.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	1.4 (1.6) 1
174	50.0 - 100.0% of mass 95	84.5
175	5.0 - 9.0% of mass 174	6.3 (7.4) 1
176	95.0 - 101.0% of mass 174	81.5 (96.4) 1
177	5.0 - 9.0% of mass 176	5.2 (6.4) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022208.D	05/12/2025	08:26
VY0512SBL01	VY0512SBL01	VY022209.D	05/12/2025	08:57
VY0512SBS01	VY0512SBS01	VY022210.D	05/12/2025	09:28
VY0512SBSD01	VY0512SBSD01	VY022211.D	05/12/2025	09:51
GC1	Q1987-01	VY022230.D	05/12/2025	17:19

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1987 SAS No.: Q1987 SDG NO.: Q1987

Lab File ID: VY022208.D Date Analyzed: 05/12/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:26

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	232841	7.71	342821	8.62	319177	11.42
UPPER LIMIT	465682	8.207	685642	9.115	638354	11.92
LOWER LIMIT	116421	7.207	171411	8.115	159589	10.92
EPA SAMPLE NO.						
GC1	139918	7.71	261915	8.62	235241	11.41
VY0512SBL01	193895	7.71	329289	8.62	290502	11.42
VY0512SBS01	216652	7.71	334827	8.62	309772	11.42
VY0512SBSD01	216263	7.71	338089	8.62	309790	11.41

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1987 SAS No.: Q1987 SDG NO.: Q1987

Lab File ID: VY022208.D Date Analyzed: 05/12/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:26

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	176689	13.346				
UPPER LIMIT	353378	13.846				
LOWER LIMIT	88344.5	12.846				
EPA SAMPLE NO.						
GC1	98718	13.35				
VY0512SBL01	128920	13.35				
VY0512SBS01	169523	13.35				
VY0512SBSD01	162833	13.35				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Hillside	Date Received:	
Client Sample ID:	VY0512SBL01	SDG No.:	Q1987
Lab Sample ID:	VY0512SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022209.D	1		05/12/25 08:57	VY051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-65-0	Tert butyl alcohol	13.7	U	13.7	25.0	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Hillside	Date Received:	
Client Sample ID:	VY0512SBL01	SDG No.:	Q1987
Lab Sample ID:	VY0512SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022209.D	1		05/12/25 08:57	VY051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	61.3		70 (63) - 130 (155)	123%	SPK: 50
1868-53-7	Dibromofluoromethane	54.9		70 (70) - 130 (134)	110%	SPK: 50
2037-26-5	Toluene-d8	49.5		70 (74) - 130 (123)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.4		70 (38) - 130 (136)	85%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	194000	7.707			
540-36-3	1,4-Difluorobenzene	329000	8.615			
3114-55-4	Chlorobenzene-d5	291000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	129000	13.346			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Hillside	Date Received:	
Client Sample ID:	VY0512SBS01	SDG No.:	Q1987
Lab Sample ID:	VY0512SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022210.D	1		05/12/25 09:28	VY051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
74-87-3	Chloromethane	23.4		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	22.5		0.79	5.00	ug/Kg
74-83-9	Bromomethane	27.0		1.10	5.00	ug/Kg
75-00-3	Chloroethane	23.8		1.30	5.00	ug/Kg
75-65-0	Tert butyl alcohol	93.9		13.7	25.0	ug/Kg
75-35-4	1,1-Dichloroethene	20.1		1.00	5.00	ug/Kg
67-64-1	Acetone	87.6		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.8		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.1		0.73	5.00	ug/Kg
75-09-2	Methylene Chloride	21.4		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.4		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	22.0		0.80	5.00	ug/Kg
78-93-3	2-Butanone	94.4		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.3		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.7		0.75	5.00	ug/Kg
67-66-3	Chloroform	21.8		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.2		0.93	5.00	ug/Kg
71-43-2	Benzene	21.4		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.6		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.9		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	22.4		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.8		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		3.60	25.0	ug/Kg
108-88-3	Toluene	21.7		0.78	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	21.3		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	21.1		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.0		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	97.6		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.7		0.87	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.8		1.10	5.00	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Hillside	Date Received:	
Client Sample ID:	VY0512SBS01	SDG No.:	Q1987
Lab Sample ID:	VY0512SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022210.D	1		05/12/25 09:28	VY051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-90-7	Chlorobenzene	20.8		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.3		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.2		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.2		0.82	5.00	ug/Kg
100-42-5	Styrene	20.6		0.71	5.00	ug/Kg
75-25-2	Bromoform	20.0		0.86	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.7		1.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.2		70 (63) - 130 (155)	96%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		70 (70) - 130 (134)	99%	SPK: 50
2037-26-5	Toluene-d8	50.0		70 (74) - 130 (123)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.6		70 (38) - 130 (136)	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	217000	7.707			
540-36-3	1,4-Difluorobenzene	335000	8.615			
3114-55-4	Chlorobenzene-d5	310000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	170000	13.346			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Hillside	Date Received:	
Client Sample ID:	VY0512SBSD01	SDG No.:	Q1987
Lab Sample ID:	VY0512SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022211.D	1		05/12/25 09:51	VY051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
74-87-3	Chloromethane	23.2		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	22.5		0.79	5.00	ug/Kg
74-83-9	Bromomethane	28.5		1.10	5.00	ug/Kg
75-00-3	Chloroethane	25.1		1.30	5.00	ug/Kg
75-65-0	Tert butyl alcohol	110		13.7	25.0	ug/Kg
75-35-4	1,1-Dichloroethene	20.6		1.00	5.00	ug/Kg
67-64-1	Acetone	110		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.9		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.9		0.73	5.00	ug/Kg
75-09-2	Methylene Chloride	21.3		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	21.0		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	22.5		0.80	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	22.2		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.2		0.75	5.00	ug/Kg
67-66-3	Chloroform	22.6		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.7		0.93	5.00	ug/Kg
71-43-2	Benzene	22.0		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	22.5		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	21.4		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	22.7		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	22.8		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		3.60	25.0	ug/Kg
108-88-3	Toluene	22.2		0.78	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	21.2		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	22.1		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	22.2		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	110		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	22.7		0.87	5.00	ug/Kg
127-18-4	Tetrachloroethene	22.4		1.10	5.00	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Hillside	Date Received:	
Client Sample ID:	VY0512SBSD01	SDG No.:	Q1987
Lab Sample ID:	VY0512SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022211.D	1		05/12/25 09:51	VY051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-90-7	Chlorobenzene	21.5		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.6		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.7		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.5		0.82	5.00	ug/Kg
100-42-5	Styrene	21.0		0.71	5.00	ug/Kg
75-25-2	Bromoform	22.2		0.86	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	22.7		1.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.6		70 (63) - 130 (155)	109%	SPK: 50
1868-53-7	Dibromofluoromethane	53.3		70 (70) - 130 (134)	107%	SPK: 50
2037-26-5	Toluene-d8	53.7		70 (74) - 130 (123)	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.9		70 (38) - 130 (136)	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	216000	7.713			
540-36-3	1,4-Difluorobenzene	338000	8.616			
3114-55-4	Chlorobenzene-d5	310000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	163000	13.347			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1987 SAS No.: Q1987 SDG No.: Q1987

Instrument ID: MSVOA_Y Calibration Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:39 16:15

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY021953.D RRF010 = VY021954.D RRF020 = VY021955.D
RRF050 = VY021956.D RRF100 = VY021957.D RRF150 = VY021958.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Chloromethane	0.704	0.670	0.636	0.602	0.529	0.498	0.607	13.2
Vinyl Chloride	0.829	0.830	0.758	0.730	0.680	0.647	0.745	10.1
Bromomethane	0.782	0.697	0.674	0.596	0.554	0.550	0.642	14.3
Chloroethane	0.589	0.550	0.524	0.494	0.460	0.429	0.508	11.6
Tert butyl alcohol	0.027	0.024	0.027	0.026	0.023	0.025	0.025	6.4
1,1-Dichloroethene	0.525	0.532	0.483	0.471	0.487	0.484	0.497	5
Acetone	0.092	0.084	0.066	0.063	0.058	0.057	0.070	20.7
Carbon Disulfide	1.736	1.737	1.569	1.493	1.516	1.459	1.585	7.7
Methyl tert-butyl Ether	1.098	1.067	1.102	1.133	1.141	1.134	1.113	2.6
Methylene Chloride	0.759	0.625	0.574	0.533	0.518	0.494	0.584	16.7
trans-1,2-Dichloroethene	0.619	0.578	0.533	0.532	0.546	0.532	0.557	6.3
1,1-Dichloroethane	0.987	0.943	0.893	0.853	0.855	0.826	0.893	6.9
2-Butanone	0.111	0.107	0.108	0.106	0.099	0.100	0.105	4.5
Carbon Tetrachloride	0.540	0.563	0.512	0.507	0.535	0.523	0.530	3.9
cis-1,2-Dichloroethene	0.626	0.638	0.604	0.612	0.633	0.621	0.622	2.1
Chloroform	1.084	1.046	0.974	0.956	0.958	0.925	0.990	6.2
1,1,1-Trichloroethane	0.972	0.944	0.896	0.853	0.865	0.846	0.896	5.8
Benzene	1.423	1.439	1.351	1.337	1.415	1.358	1.387	3.1
1,2-Dichloroethane	0.347	0.367	0.350	0.335	0.336	0.325	0.343	4.3
Trichloroethene	0.402	0.405	0.369	0.367	0.387	0.375	0.384	4.3
1,2-Dichloropropane	0.320	0.317	0.302	0.300	0.308	0.294	0.307	3.4
Bromodichloromethane	0.479	0.504	0.464	0.470	0.490	0.471	0.480	3.1
4-Methyl-2-Pentanone	0.144	0.149	0.167	0.172	0.166	0.165	0.160	6.9
Toluene	0.838	0.915	0.875	0.894	0.952	0.913	0.898	4.4
t-1,3-Dichloropropene	0.383	0.408	0.399	0.417	0.437	0.425	0.411	4.7
cis-1,3-Dichloropropene	0.466	0.488	0.483	0.484	0.514	0.500	0.489	3.3
1,1,2-Trichloroethane	0.250	0.261	0.261	0.256	0.258	0.252	0.256	1.8
2-Hexanone	0.093	0.096	0.109	0.115	0.111	0.111	0.106	8.5
Dibromochloromethane	0.345	0.355	0.354	0.352	0.367	0.357	0.355	2
Tetrachloroethene	0.500	0.516	0.462	0.455	0.466	0.430	0.472	6.6

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1987 SAS No.: Q1987 SDG No.: Q1987

Instrument ID: MSVOA_Y Calibration Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:39 16:15

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY021953.D RRF010 = VY021954.D RRF020 = VY021955.D
RRF050 = VY021956.D RRF100 = VY021957.D RRF150 = VY021958.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Chlorobenzene	1.188	1.152	1.055	1.083	1.139	1.092	1.118	4.5
Ethyl Benzene	1.693	1.840	1.718	1.835	1.990	1.898	1.829	6.1
m/p-Xylenes	0.664	0.720	0.699	0.734	0.797	0.754	0.728	6.3
o-Xylene	0.599	0.639	0.635	0.689	0.747	0.716	0.671	8.3
Styrene	0.950	1.080	1.078	1.169	1.272	1.209	1.126	10.2
Bromoform	0.234	0.221	0.224	0.229	0.236	0.229	0.229	2.5
1,1,2,2-Tetrachloroethane	0.601	0.562	0.555	0.548	0.555	0.558	0.563	3.4
1,2-Dichloroethane-d4	0.525	0.477	0.459	0.466	0.418	0.427	0.462	8.3
Dibromofluoromethane	0.335	0.341	0.330	0.330	0.319	0.327	0.330	2.3
Toluene-d8	1.220	1.260	1.211	1.276	1.244	1.261	1.245	2
4-Bromofluorobenzene	0.408	0.429	0.401	0.426	0.423	0.428	0.419	2.8

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1987 SAS No.: Q1987 SDG No.: Q1987

Instrument ID: MSVOA_Y Calibration Date/Time: 05/12/2025 08:26

Lab File ID: VY022208.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.607	0.540	0.1	-11.04	20
Vinyl Chloride	0.745	0.725		-2.68	20
Bromomethane	0.642	0.556		-13.4	20
Chloroethane	0.508	0.512		0.79	20
Tert butyl alcohol	0.025	0.022		-12	20
1,1-Dichloroethene	0.497	0.472		-5.03	20
Acetone	0.070	0.064		-8.57	20
Carbon Disulfide	1.585	1.449		-8.58	20
Methyl tert-butyl Ether	1.113	1.089		-2.16	20
Methylene Chloride	0.584	0.542		-7.19	20
trans-1,2-Dichloroethene	0.557	0.550		-1.26	20
1,1-Dichloroethane	0.893	0.921	0.1	3.13	20
2-Butanone	0.105	0.102		-2.86	20
Carbon Tetrachloride	0.530	0.587		10.76	20
cis-1,2-Dichloroethene	0.622	0.625		0.48	20
Chloroform	0.990	1.025		3.54	20
1,1,1-Trichloroethane	0.896	0.927		3.46	20
Benzene	1.387	1.497		7.93	20
1,2-Dichloroethane	0.343	0.372		8.45	20
Trichloroethene	0.384	0.403		4.95	20
1,2-Dichloropropane	0.307	0.343		11.73	20
Bromodichloromethane	0.480	0.533		11.04	20
4-Methyl-2-Pentanone	0.160	0.175		9.38	20
Toluene	0.898	1.011		12.58	20
t-1,3-Dichloropropene	0.411	0.443		7.79	20
cis-1,3-Dichloropropene	0.489	0.535		9.41	20
1,1,2-Trichloroethane	0.256	0.273		6.64	20
2-Hexanone	0.106	0.114		7.55	20
Dibromochloromethane	0.355	0.383		7.89	20
Tetrachloroethene	0.472	0.488		3.39	20
Chlorobenzene	1.118	1.194	0.3	6.8	20
Ethyl Benzene	1.829	2.027		10.83	20
m/p-Xylenes	0.728	0.816		12.09	20
o-Xylene	0.671	0.747		11.33	20
Styrene	1.126	1.288		14.39	20
Bromoform	0.229	0.241	0.1	5.24	20
1,1,2,2-Tetrachloroethane	0.563	0.567	0.3	0.71	20
1,2-Dichloroethane-d4	0.462	0.442		-4.33	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1987 SAS No.: Q1987 SDG No.: Q1987

Instrument ID: MSVOA_Y Calibration Date/Time: 05/12/2025 08:26

Lab File ID: VY022208.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dibromofluoromethane	0.330	0.337		2.12	20
Toluene-d8	1.245	1.296		4.1	20
4-Bromofluorobenzene	0.419	0.438		4.53	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022230.D
Acq On : 12 May 2025 17:19
Operator : SY/MD
Sample : Q1987-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GC1

Quant Time: May 13 02:24:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

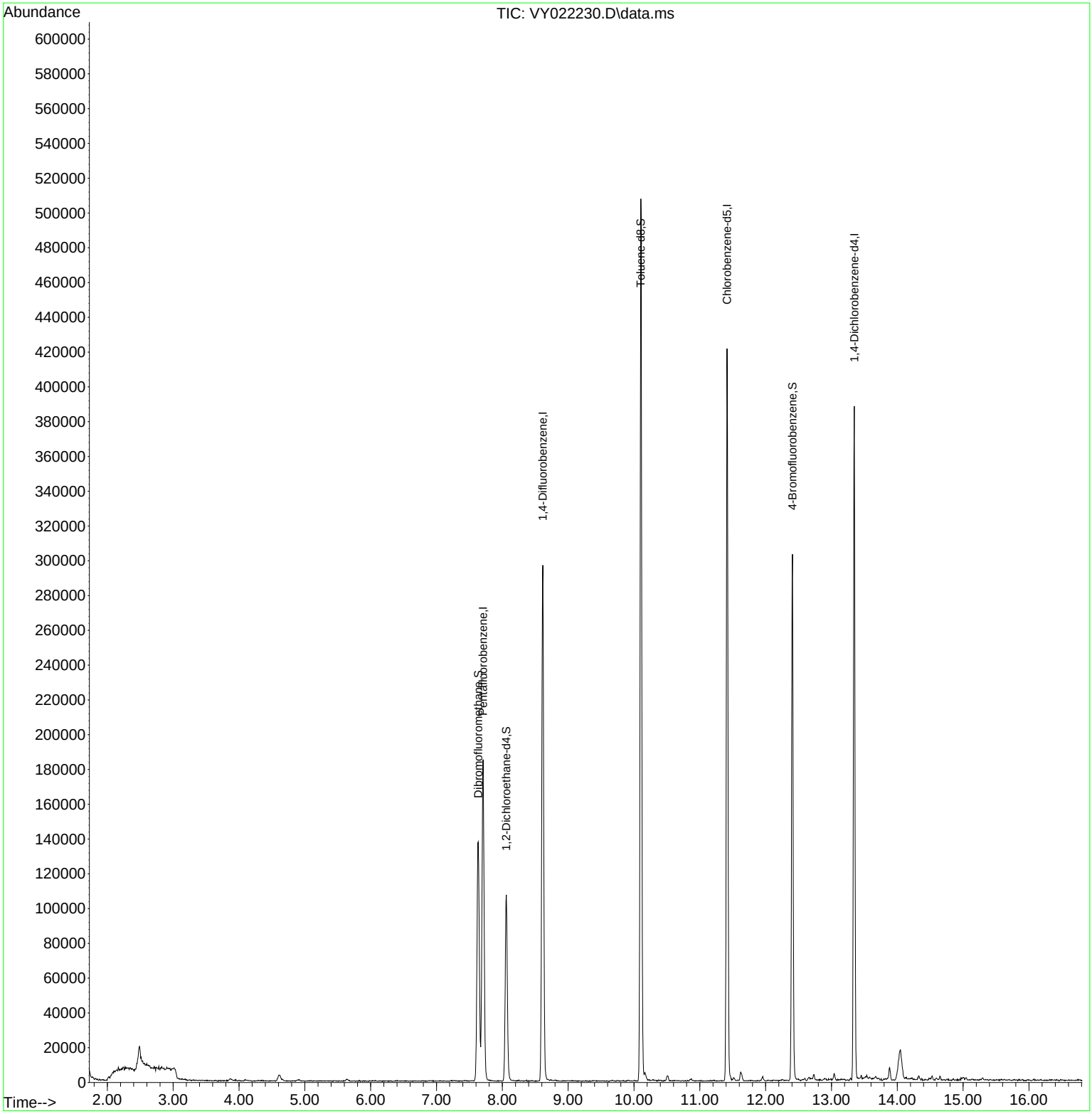
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	139918	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	261915	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	235241	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	98718	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	84641	65.491	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 130.980%			
35) Dibromofluoromethane	7.634	113	100873	58.296	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 116.600%			
50) Toluene-d8	10.103	98	339991	52.119	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.240%			
62) 4-Bromofluorobenzene	12.408	95	92585	42.160	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 84.320%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

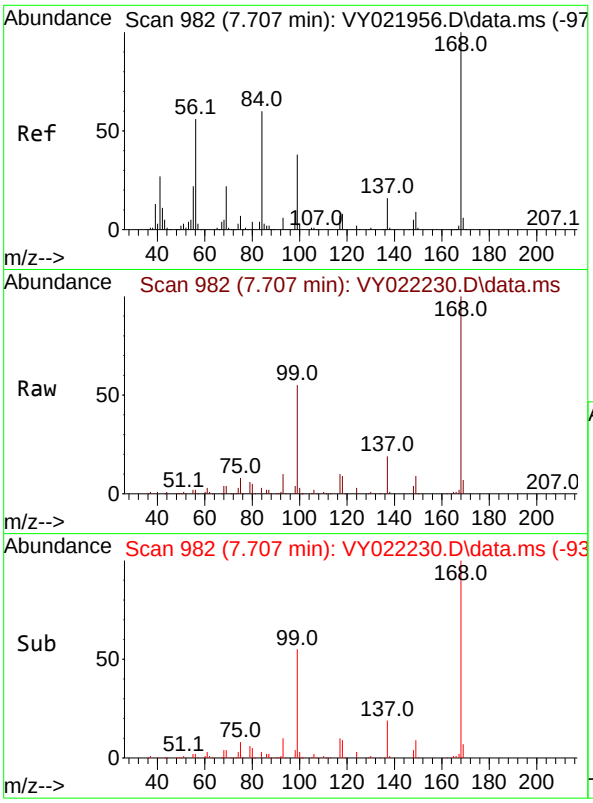
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022230.D
Acq On : 12 May 2025 17:19
Operator : SY/MD
Sample : Q1987-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GC1

Quant Time: May 13 02:24:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



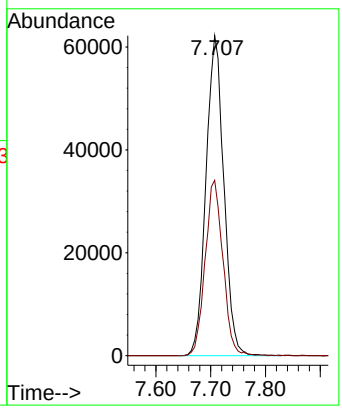
Instrument :
MSVOA_Y
ClientSampleId :
GC1

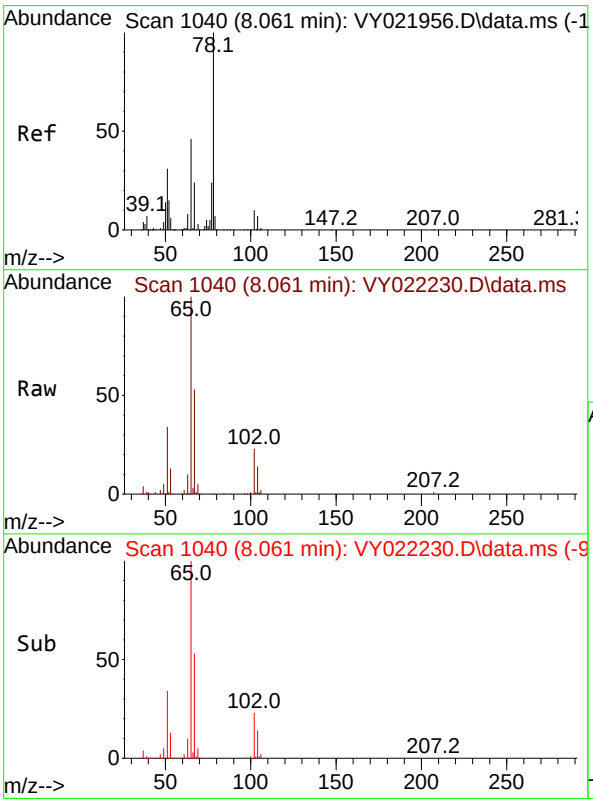


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022230.D
Acq: 12 May 2025 17:19

Tgt Ion:168 Resp: 139918

Ion	Ratio	Lower	Upper
168	100		
99	54.8	43.1	64.7

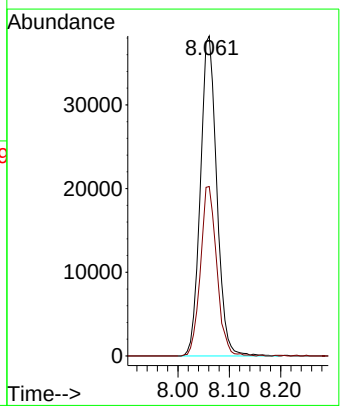


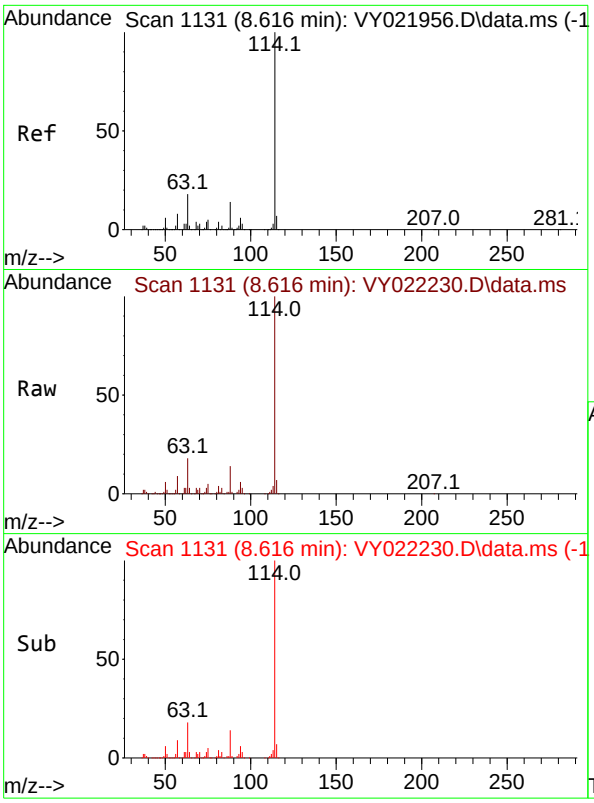


#33
1,2-Dichloroethane-d4
Concen: 65.491 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022230.D
Acq: 12 May 2025 17:19

Tgt Ion: 65 Resp: 84641

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	105.8



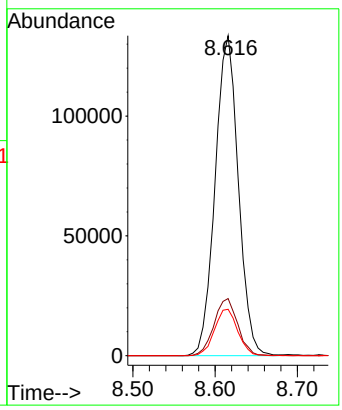


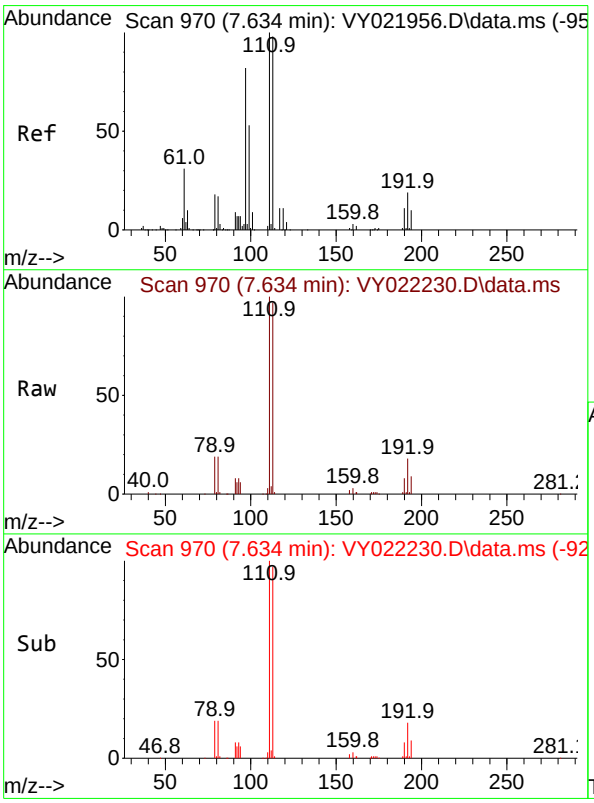
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022230.D
Acq: 12 May 2025 17:19

Instrument :
MSVOA_Y
ClientSampleId :
GC1

Tgt Ion:114 Resp: 261915

Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	35.4
88	14.5	0.0	28.2

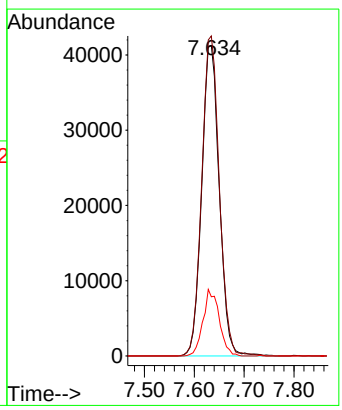


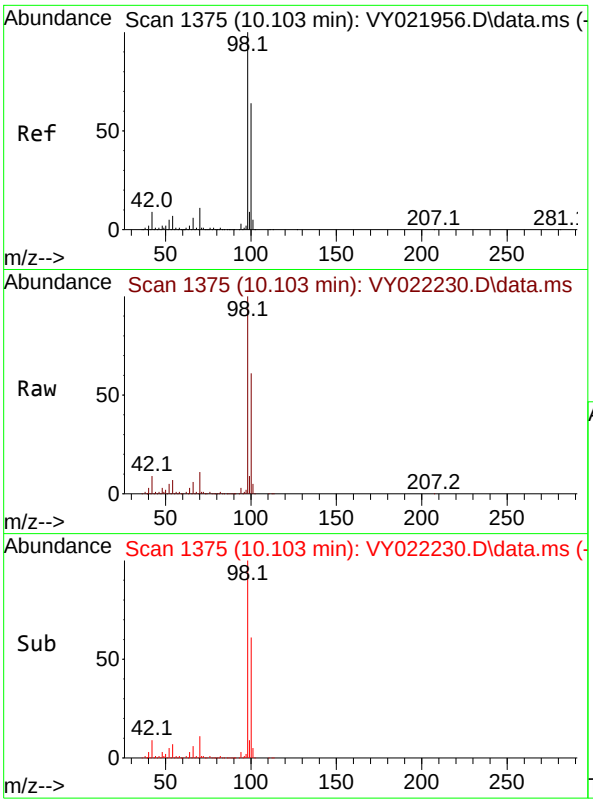


#35
Dibromofluoromethane
Concen: 58.296 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022230.D
Acq: 12 May 2025 17:19

Tgt Ion:113 Resp: 100873

Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.8	122.8
192	19.8	15.6	23.4



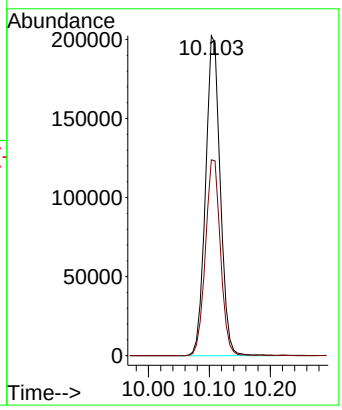


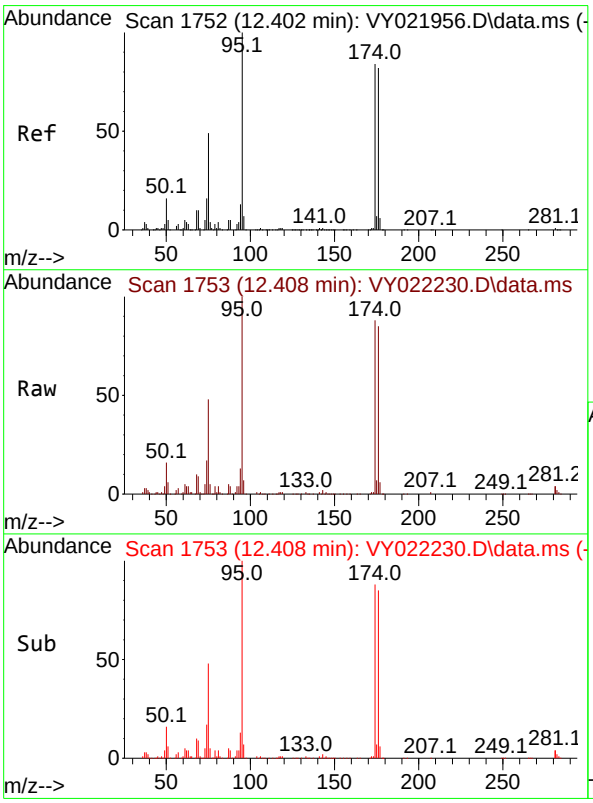
#50
Toluene-d8
Concen: 52.119 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022230.D
Acq: 12 May 2025 17:19

Instrument :
MSVOA_Y
ClientSampleId :
GC1

Tgt Ion: 98 Resp: 339991

Ion	Ratio	Lower	Upper
98	100		
100	62.7	51.6	77.4

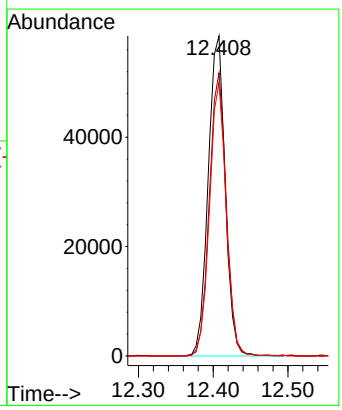


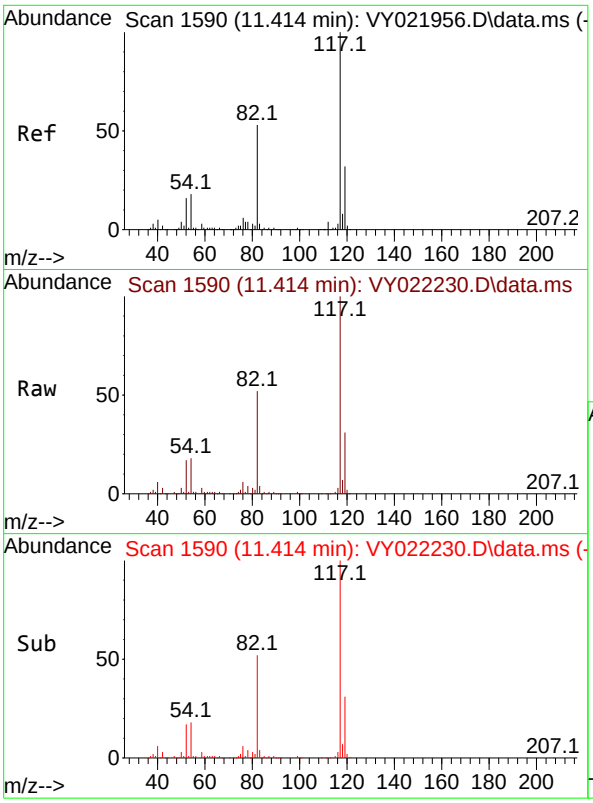


#62
4-Bromofluorobenzene
Concen: 42.160 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022230.D
Acq: 12 May 2025 17:19

Tgt Ion: 95 Resp: 92585

Ion	Ratio	Lower	Upper
95	100		
174	88.1	0.0	179.0
176	83.7	0.0	171.8



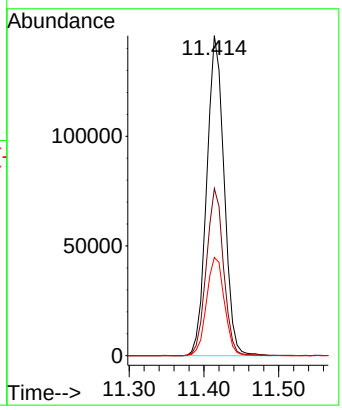


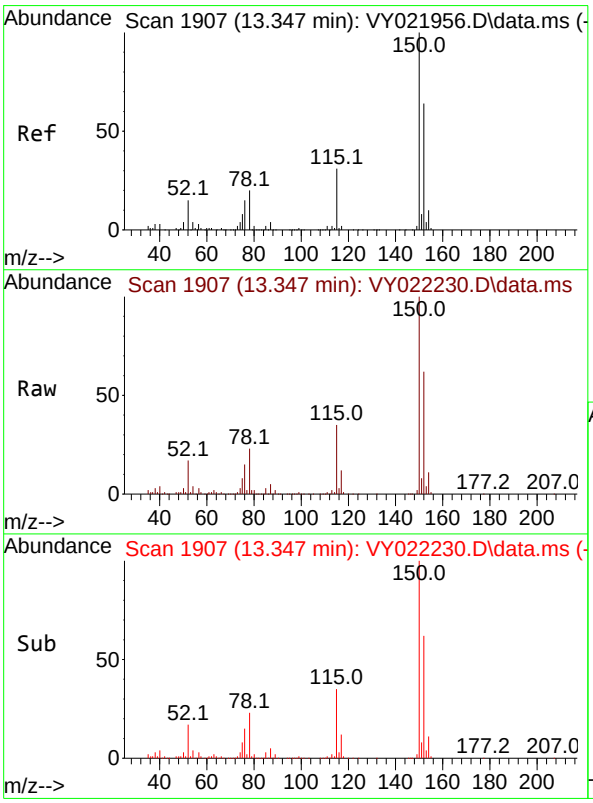
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022230.D
Acq: 12 May 2025 17:19

Instrument :
MSVOA_Y
ClientSampleId :
GC1

Tgt Ion:117 Resp: 235241

Ion	Ratio	Lower	Upper
117	100		
82	52.2	42.1	63.1
119	30.7	25.7	38.5

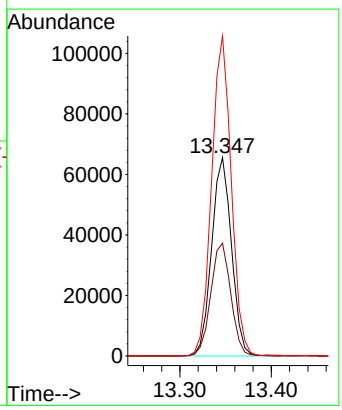




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022230.D
Acq: 12 May 2025 17:19

Tgt Ion:152 Resp: 98718

Ion	Ratio	Lower	Upper
152	100		
115	57.5	28.0	84.0
150	159.3	0.0	345.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022230.D
Acq On : 12 May 2025 17:19
Operator : SY/MD
Sample : Q1987-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GC1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Title : SW846 8260

Signal : TIC: VY022230.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.489	117	126	132	rBV8	12982	39462	4.56%	0.902%
2	4.610	468	474	480	rBV6	3094	8767	1.01%	0.200%
3	7.634	959	970	976	rBV	137423	338265	39.10%	7.735%
4	7.707	976	982	994	rVB	184338	416502	48.14%	9.524%
5	8.061	1030	1040	1055	rBV	107177	240768	27.83%	5.505%
6	8.616	1123	1131	1142	rBV	296422	595664	68.85%	13.620%
7	10.103	1367	1375	1383	rBV	507381	865154	100.00%	19.783%
8	11.414	1582	1590	1602	rBV	421058	686412	79.34%	15.695%
9	11.621	1620	1624	1632	rVB4	5043	10365	1.20%	0.237%
10	12.408	1743	1753	1763	rBV	302807	497876	57.55%	11.384%
11	13.347	1900	1907	1918	rBV	387448	593195	68.57%	13.564%
12	13.883	1990	1995	2001	rVB3	7465	12977	1.50%	0.297%
13	14.048	2008	2022	2032	rBV5	17464	67903	7.85%	1.553%

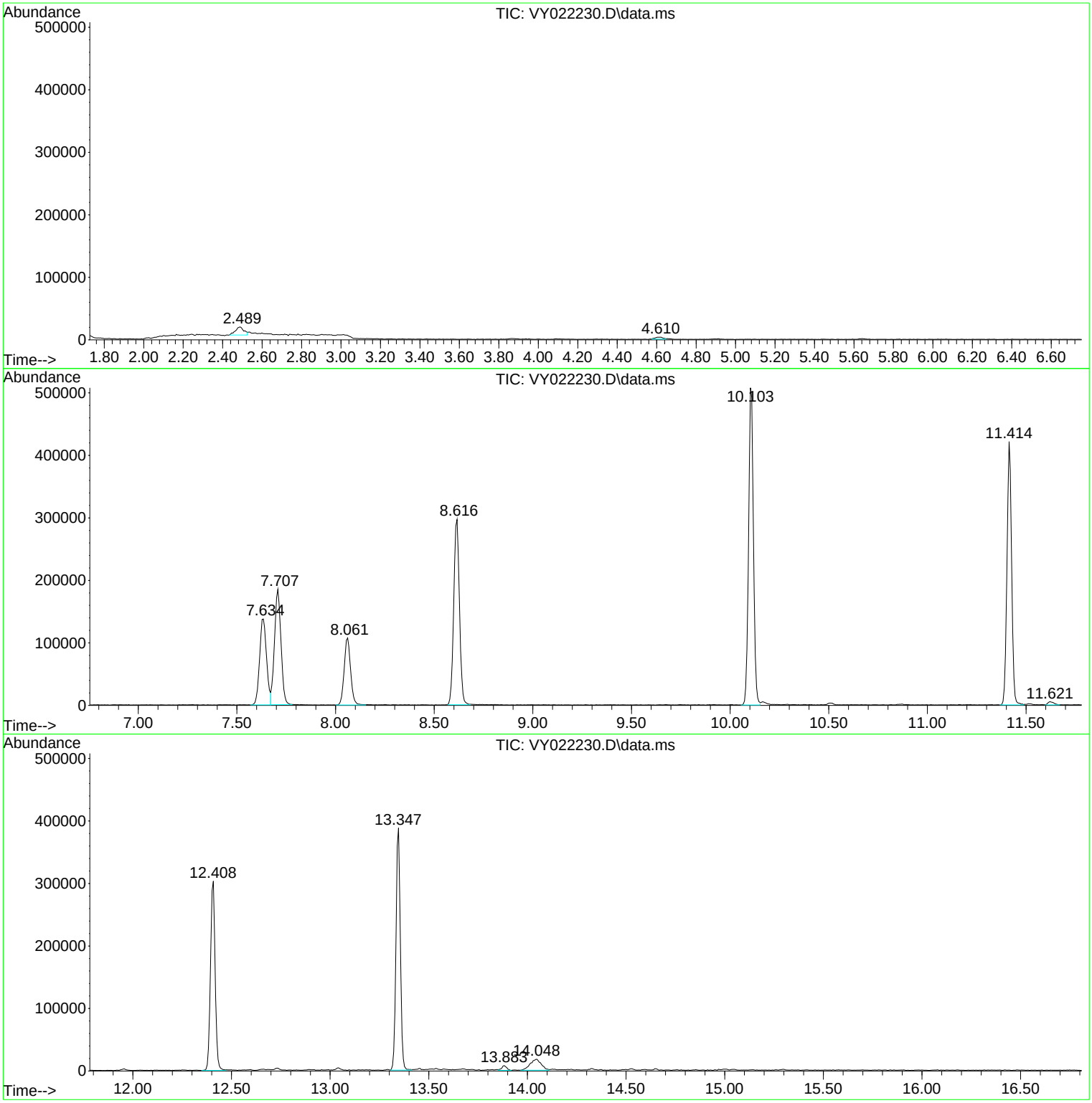
Sum of corrected areas: 4373310

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022230.D
Acq On : 12 May 2025 17:19
Operator : SY/MD
Sample : Q1987-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022230.D
Acq On : 12 May 2025 17:19
Operator : SY/MD
Sample : Q1987-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GC1

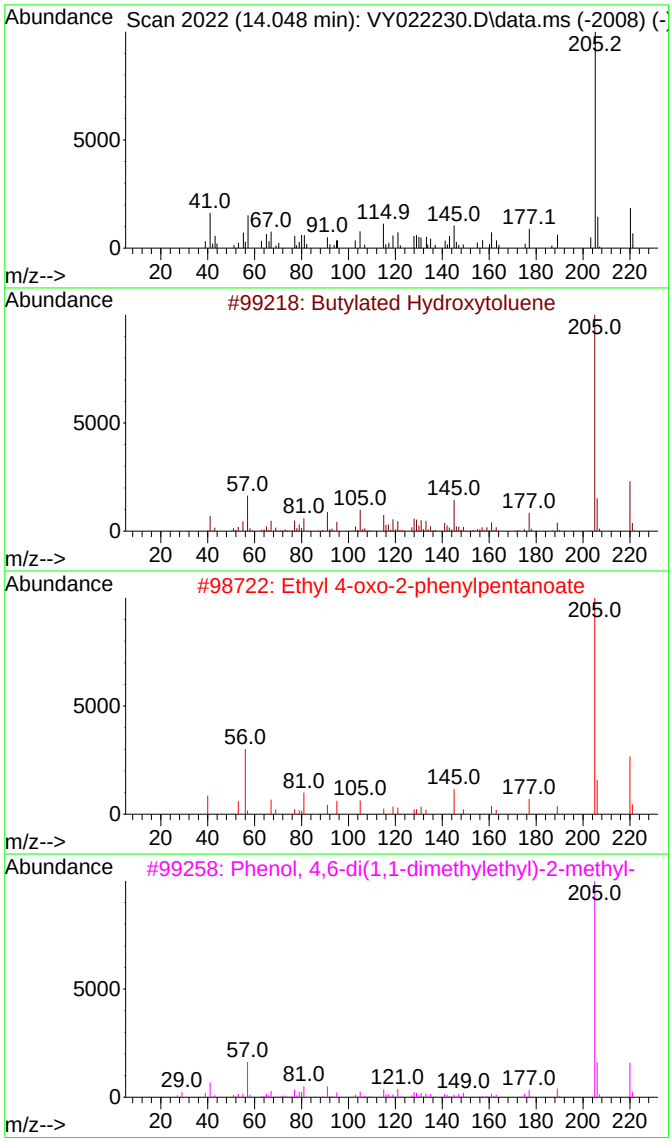
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

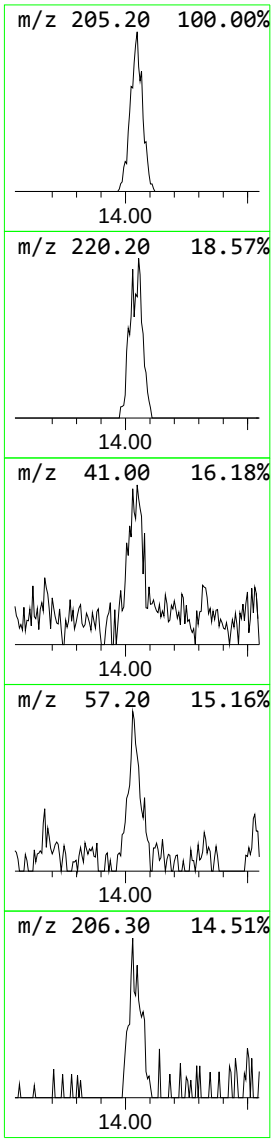
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butylated Hydroxytoluene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.048	5.72 ug/l	67903	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	95
2	Ethyl 4-oxo-2-phenylpentanoate	220	C13H16O3	1000427-11-2	81
3	Phenol, 4,6-di(1,1-dimethylethyl...	220	C15H24O	000616-55-7	74
4	6-Methyl-1H,6H,7H-pyrrolo[2,3-c]...	220	C11H16N2OSi	1000504-47-6	72
5	Phenol, 2,6-bis(1,1-dimethylethy...	277	C17H27NO2	001918-11-2	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022230.D
Acq On : 12 May 2025 17:19
Operator : SY/MD
Sample : Q1987-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butylated Hydro...	14.048	5.7	ug/l	67903	4	13.347	593195	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022209.D
Acq On : 12 May 2025 08:57
Operator : SY/MD
Sample : VY0512SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBL01

Quant Time: May 13 02:14:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

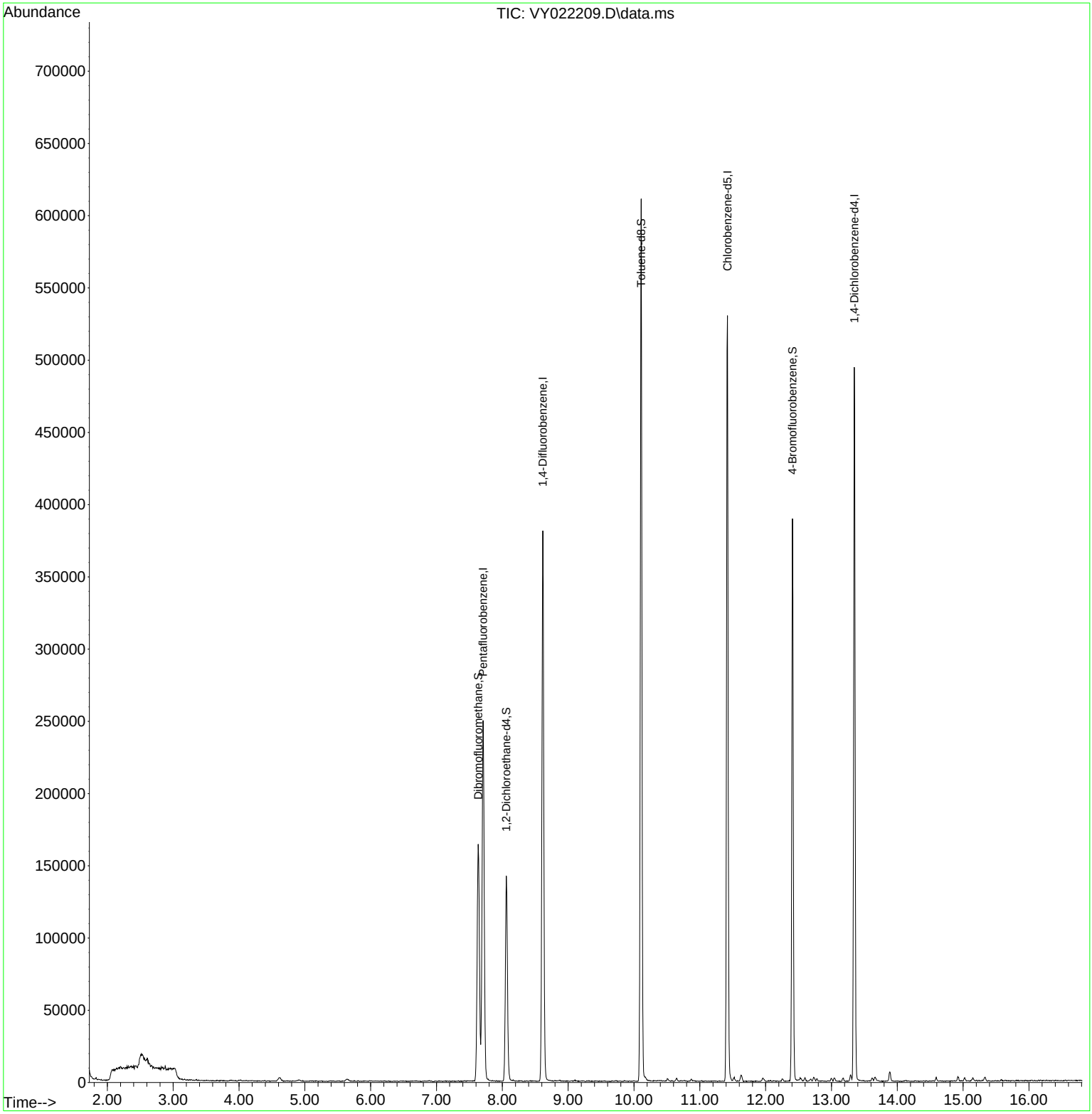
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	193895	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	329289	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	290502	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	128920	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	109786	61.300	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.600%			
35) Dibromofluoromethane	7.634	113	119443	54.905	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.800%			
50) Toluene-d8	10.109	98	406054	49.510	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.020%			
62) 4-Bromofluorobenzene	12.407	95	117168	42.438	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 84.880%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

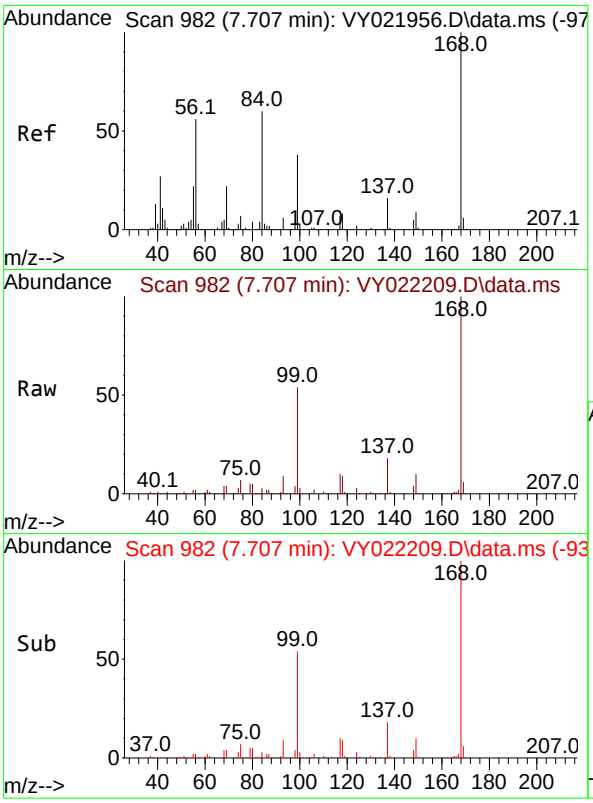
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022209.D
Acq On : 12 May 2025 08:57
Operator : SY/MD
Sample : VY0512SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBL01

Quant Time: May 13 02:14:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



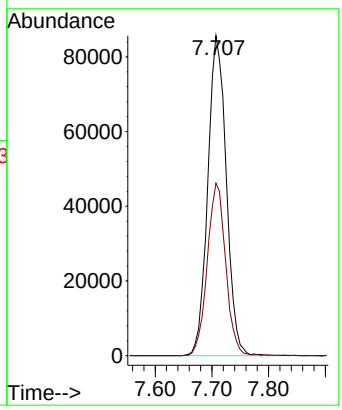
Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBL01

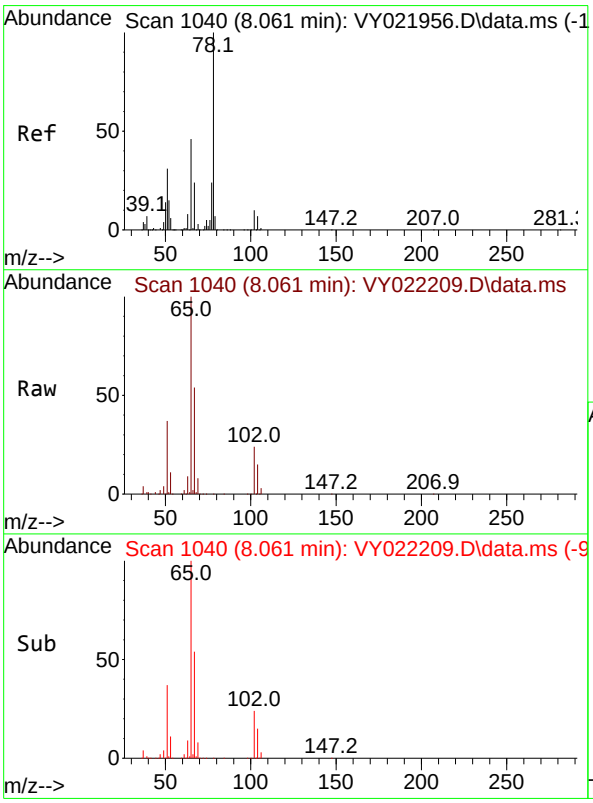


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022209.D
Acq: 12 May 2025 08:57

Tgt Ion:168 Resp: 193895

Ion	Ratio	Lower	Upper
168	100		
99	53.9	43.1	64.7

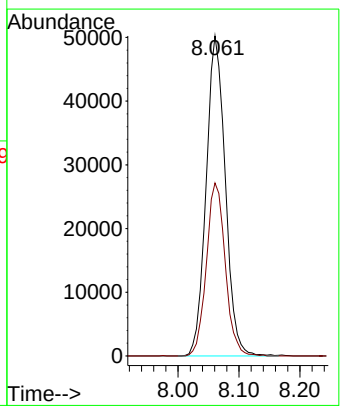


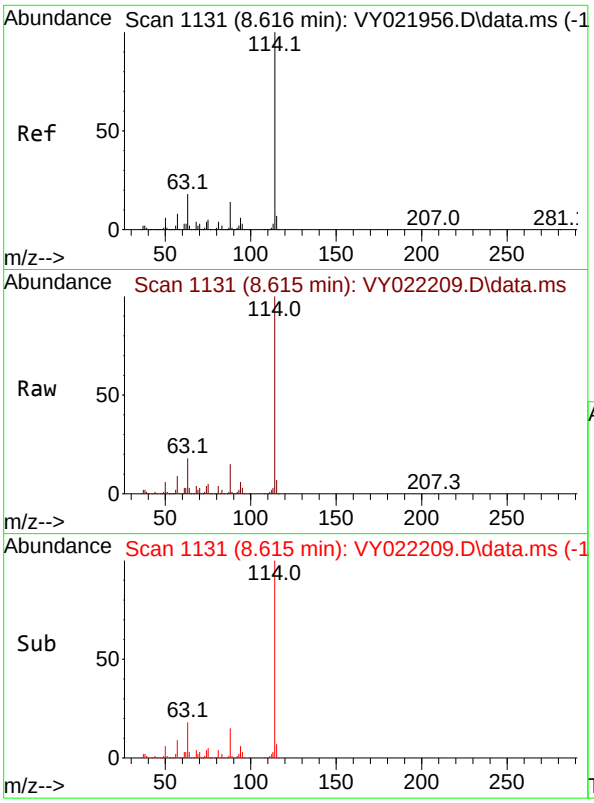


#33
1,2-Dichloroethane-d4
Concen: 61.300 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022209.D
Acq: 12 May 2025 08:57

Tgt Ion: 65 Resp: 109786

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	105.8



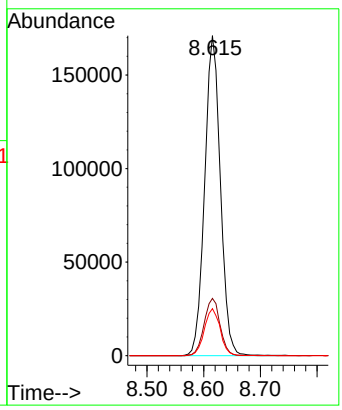


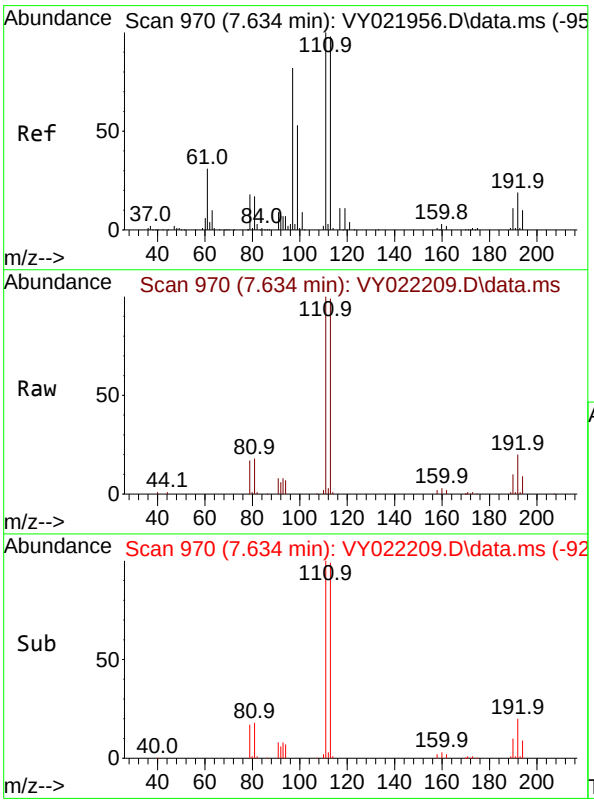
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022209.D
Acq: 12 May 2025 08:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBL01

Tgt Ion:114 Resp: 329289

Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	35.4
88	14.7	0.0	28.2

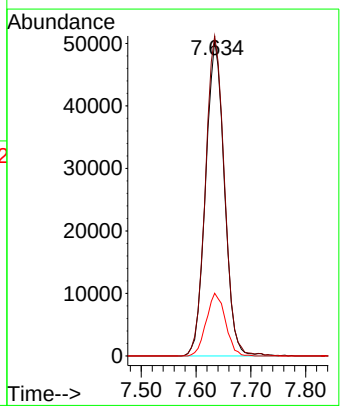


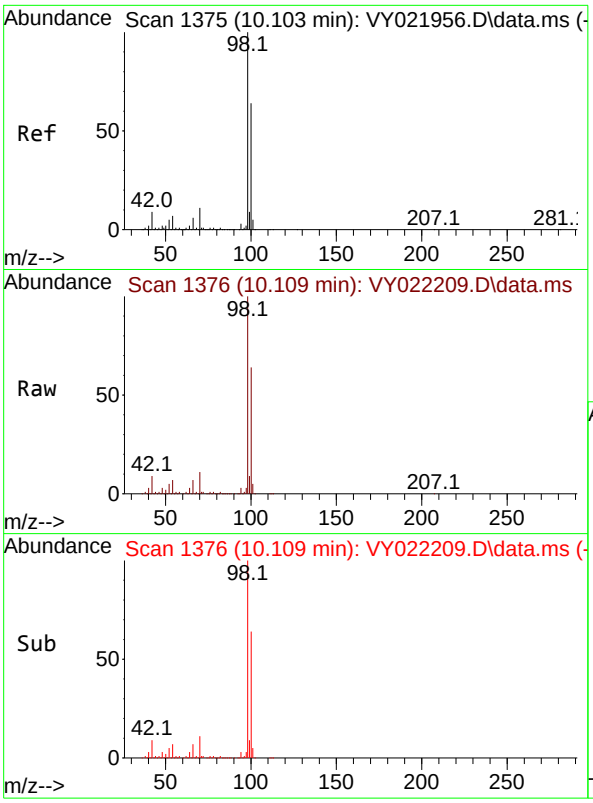


#35
Dibromofluoromethane
Concen: 54.905 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022209.D
Acq: 12 May 2025 08:57

Tgt Ion:113 Resp: 119443

Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.8	122.8
192	20.4	15.6	23.4



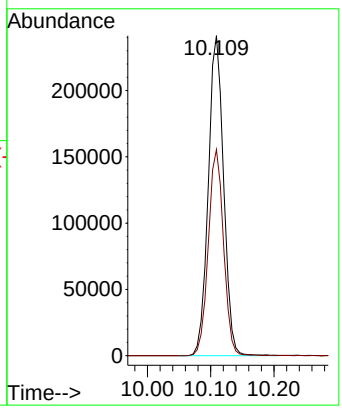


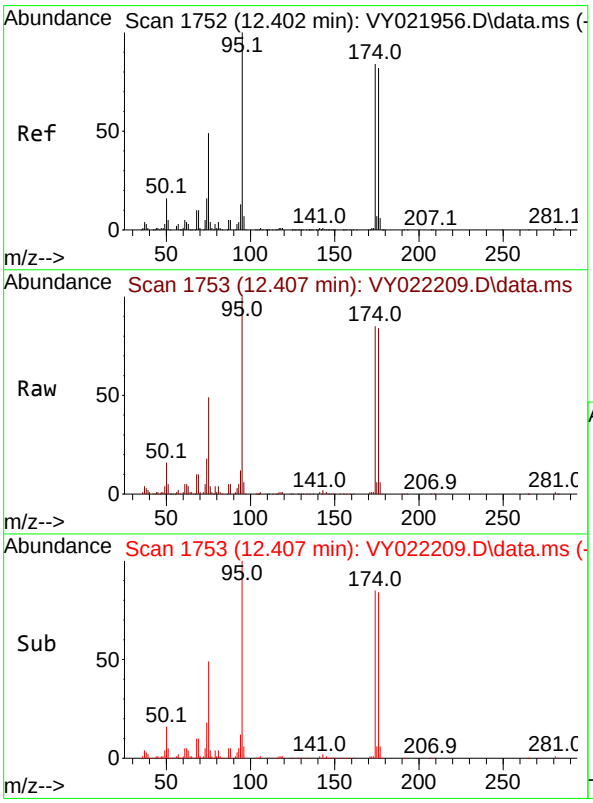
#50
Toluene-d8
Concen: 49.510 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022209.D
Acq: 12 May 2025 08:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBL01

Tgt Ion: 98 Resp: 406054

Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.6	77.4

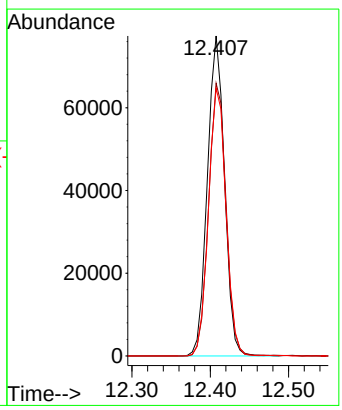


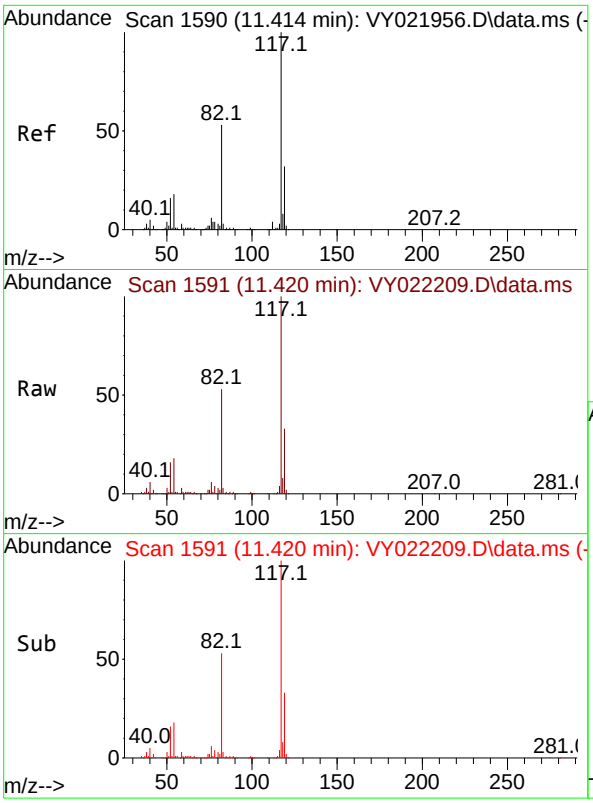


#62
4-Bromofluorobenzene
Concen: 42.438 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022209.D
Acq: 12 May 2025 08:57

Tgt Ion: 95 Resp: 117168

Ion	Ratio	Lower	Upper
95	100		
174	87.3	0.0	179.0
176	85.8	0.0	171.8



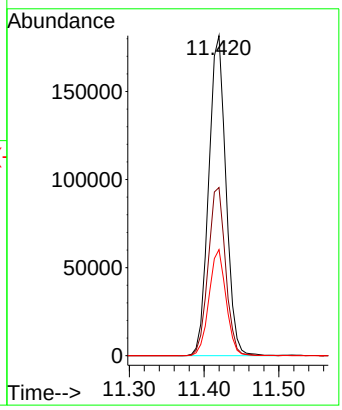


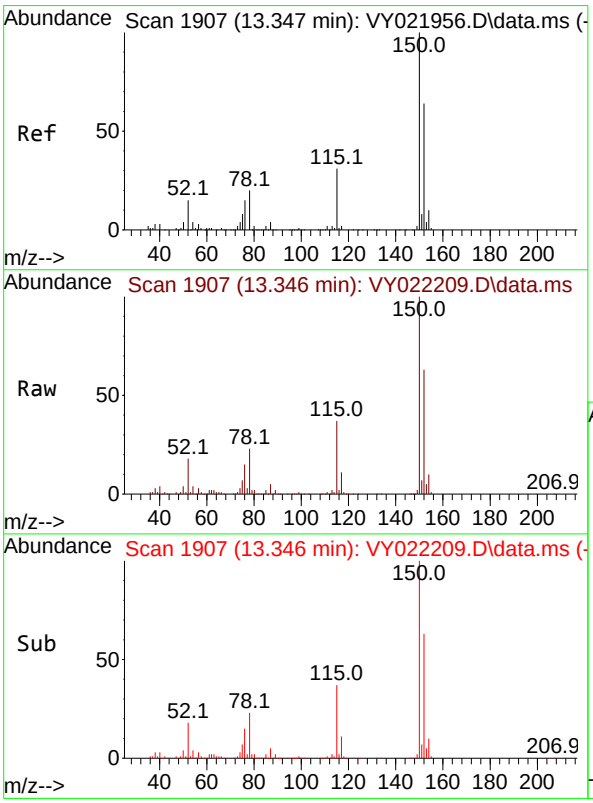
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022209.D
Acq: 12 May 2025 08:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBL01

Tgt Ion:117 Resp: 290502

Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.1	63.1
119	33.2	25.7	38.5

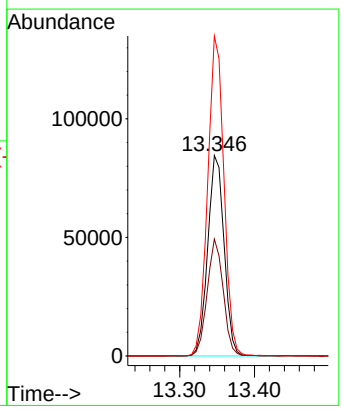




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022209.D
Acq: 12 May 2025 08:57

Tgt Ion:152 Resp: 128920

Ion	Ratio	Lower	Upper
152	100		
115	57.1	28.0	84.0
150	157.7	0.0	345.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022209.D
Acq On : 12 May 2025 08:57
Operator : SY/MD
Sample : VY0512SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Title : SW846 8260

Signal : TIC: VY022209.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.074	48	58	60	rBV5	7329	18017	1.74%	0.339%
2	2.519	121	131	132	rBV9	9653	24333	2.35%	0.458%
3	7.634	961	970	976	rBV	163940	394198	38.00%	7.419%
4	7.707	976	982	994	rVB	248740	561167	54.09%	10.562%
5	8.061	1031	1040	1052	rBV	142041	311105	29.99%	5.855%
6	8.615	1122	1131	1145	rBV	381015	738493	71.18%	13.900%
7	10.109	1368	1376	1393	rBV	610809	1037482	100.00%	19.527%
8	11.420	1583	1591	1602	rBV	529985	858241	82.72%	16.153%
9	12.407	1746	1753	1764	rBV	389408	606739	58.48%	11.420%
10	13.346	1901	1907	1919	rVB	493912	751957	72.48%	14.153%
11	13.883	1989	1995	2001	rBV2	6393	11308	1.09%	0.213%

Sum of corrected areas: 5313040

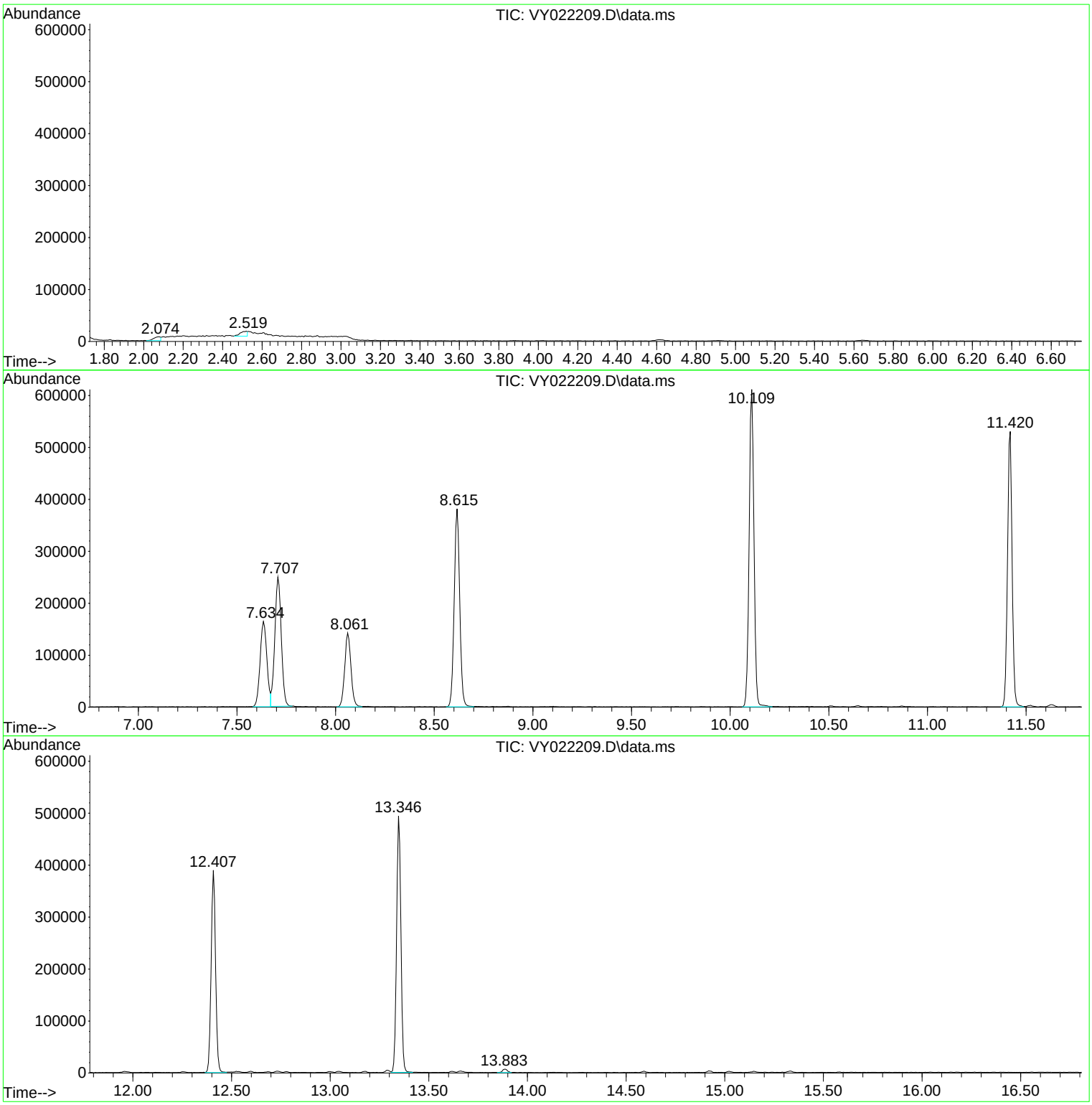
Sample Results: **VY022209.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022209.D
Acq On : 12 May 2025 08:57
Operator : SY/MD
Sample : VY0512SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022209.D
Acq On : 12 May 2025 08:57
Operator : SY/MD
Sample : VY0512SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022209.D
Acq On : 12 May 2025 08:57
Operator : SY/MD
Sample : VY0512SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022210.D
Acq On : 12 May 2025 09:28
Operator : SY/MD
Sample : VY0512SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 13 02:15:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/13/2025
Supervised By :Semsettin Yesilyurt 05/13/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	216652	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	334827	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	309772	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	169523	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	96365	48.154	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.300%		
35) Dibromofluoromethane	7.634	113	109386	49.450	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.900%		
50) Toluene-d8	10.109	98	416832	49.983	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.960%		
62) 4-Bromofluorobenzene	12.407	95	139167	49.572	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	99.140%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	33338	18.059	ug/l	100
3) Chloromethane	2.068	50	61474	23.386	ug/l	98
4) Vinyl Chloride	2.202	62	72681	22.500	ug/l	99
5) Bromomethane	2.592	94	75100	26.986	ug/l	98
6) Chloroethane	2.732	64	52359	23.800	ug/l	96
7) Trichlorofluoromethane	3.055	101	92725	21.769	ug/l	98
8) Diethyl Ether	3.458	74	21778	19.644	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.811	101	47784	20.680	ug/l	99
10) Methyl Iodide	4.000	142	50207	18.767	ug/l	97
11) Tert butyl alcohol	4.884	59	10317	93.908	ug/l	100
12) 1,1-Dichloroethene	3.787	96	43298	20.103	ug/l	92
13) Acrolein	3.659	56	6549	33.213	ug/l	96
14) Allyl chloride	4.378	41	52950	21.114	ug/l	95
15) Acrylonitrile	5.061	53	40784	100.485	ug/l	98
16) Acetone	3.879	43	26569	87.553	ug/l	99
17) Carbon Disulfide	4.104	76	135674	19.757	ug/l	99
18) Methyl Acetate	4.391	43	23514	25.154	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	92141	19.114	ug/l	98
20) Methylene Chloride	4.610	84	54110	21.384	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	49277	20.429	ug/l	88
22) Diisopropyl ether	6.018	45	120272	21.551	ug/l	96
23) Vinyl Acetate	5.964	43	295364	98.202	ug/l	99
24) 1,1-Dichloroethane	5.915	63	85086	21.995	ug/l	99
25) 2-Butanone	6.902	43	43050	94.375	ug/l	94
26) 2,2-Dichloropropane	6.884	77	74872	22.083	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	55842	20.705	ug/l	97
28) Bromochloromethane	7.244	49	33561	22.336	ug/l	94
29) Tetrahydrofuran	7.268	42	29008	97.912	ug/l	98
30) Chloroform	7.421	83	93637	21.822	ug/l	97
31) Cyclohexane	7.701	56	65954	19.937	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	82451	21.239	ug/l	98
36) 1,1-Dichloropropene	7.835	75	62108	20.902	ug/l	99
37) Ethyl Acetate	6.994	43	19542	18.312	ug/l	97
38) Carbon Tetrachloride	7.817	117	75551	21.278	ug/l	98
39) Methylcyclohexane	9.109	83	72328	19.343	ug/l	95
40) Benzene	8.079	78	199040	21.429	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022210.D
Acq On : 12 May 2025 09:28
Operator : SY/MD
Sample : VY0512SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 13 02:15:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/13/2025
Supervised By :Semsettin Yesilyurt 05/13/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.225	41	9484	16.257 ug/l #	74
42) 1,2-Dichloroethane	8.158	62	49678	21.602 ug/l	97
43) Isopropyl Acetate	8.201	43	42041	20.514 ug/l	98
44) Trichloroethene	8.865	130	53821	20.920 ug/l	96
45) 1,2-Dichloropropane	9.140	63	45998	22.394 ug/l	96
46) Dibromomethane	9.231	93	26246	20.412 ug/l	98
47) Bromodichloromethane	9.426	83	69942	21.774 ug/l	98
48) Methyl methacrylate	9.225	41	19057	20.115 ug/l	96
49) 1,4-Dioxane	9.250	88	5178	377.821 ug/l #	89
51) 4-Methyl-2-Pentanone	9.999	43	108711	101.190 ug/l	96
52) Toluene	10.170	92	130578	21.718 ug/l	99
53) t-1,3-Dichloropropene	10.396	75	58755	21.325 ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	69165	21.118 ug/l	96
55) 1,1,2-Trichloroethane	10.572	97	35987	20.952 ug/l	97
56) Ethyl methacrylate	10.438	69	35918	18.287 ug/l	96
57) 1,3-Dichloropropane	10.719	76	58731	21.330 ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	91818	95.610 ug/l	99
59) 2-Hexanone	10.761	43	69173	97.618 ug/l	95
60) Dibromochloromethane	10.914	129	49162	20.674 ug/l	98
61) 1,2-Dibromoethane	11.017	107	32476	20.028 ug/l	98
64) Tetrachloroethene	10.646	164	63571	21.754 ug/l	97
65) Chlorobenzene	11.444	112	144043	20.794 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	51404	21.078 ug/l	99
67) Ethyl Benzene	11.524	91	229545	20.256 ug/l	96
68) m/p-Xylenes	11.627	106	190495	42.246 ug/l	98
69) o-Xylene	11.956	106	83841	20.173 ug/l	100
70) Styrene	11.969	104	143576	20.575 ug/l	99
71) Bromoform	12.133	173	28346	19.992 ug/l #	98
73) Isopropylbenzene	12.255	105	221453	19.553 ug/l	99
74) N-amyl acetate	12.072	43	34726	17.846 ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	37598	19.690 ug/l	97
76) 1,2,3-Trichloropropane	12.560	75	29981m	20.647 ug/l	
77) Bromobenzene	12.536	156	57609	20.130 ug/l	98
78) n-propylbenzene	12.596	91	274074	20.320 ug/l	99
79) 2-Chlorotoluene	12.682	91	160546	20.467 ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	188921	20.245 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	11626	19.281 ug/l	96
82) 4-Chlorotoluene	12.779	91	168905	20.714 ug/l	99
83) tert-Butylbenzene	12.999	119	160123	19.132 ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	190789	20.440 ug/l	99
85) sec-Butylbenzene	13.176	105	247586	20.216 ug/l	99
86) p-Isopropyltoluene	13.291	119	208057	20.006 ug/l	98
87) 1,3-Dichlorobenzene	13.291	146	119746	20.601 ug/l	98
88) 1,4-Dichlorobenzene	13.371	146	116013	20.152 ug/l	99
89) n-Butylbenzene	13.621	91	182357	19.618 ug/l	98
90) Hexachloroethane	13.883	117	47589	20.828 ug/l	97
91) 1,2-Dichlorobenzene	13.663	146	102757	20.269 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5748	18.920 ug/l	90
93) 1,2,4-Trichlorobenzene	14.919	180	54134	18.843 ug/l	100
94) Hexachlorobutadiene	15.023	225	35674	20.182 ug/l	97
95) Naphthalene	15.145	128	80621	16.893 ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	45853	18.490 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022210.D
Acq On : 12 May 2025 09:28
Operator : SY/MD
Sample : VY0512SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 13 02:15:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/13/2025
Supervised By :Semsettin Yesilyurt 05/13/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

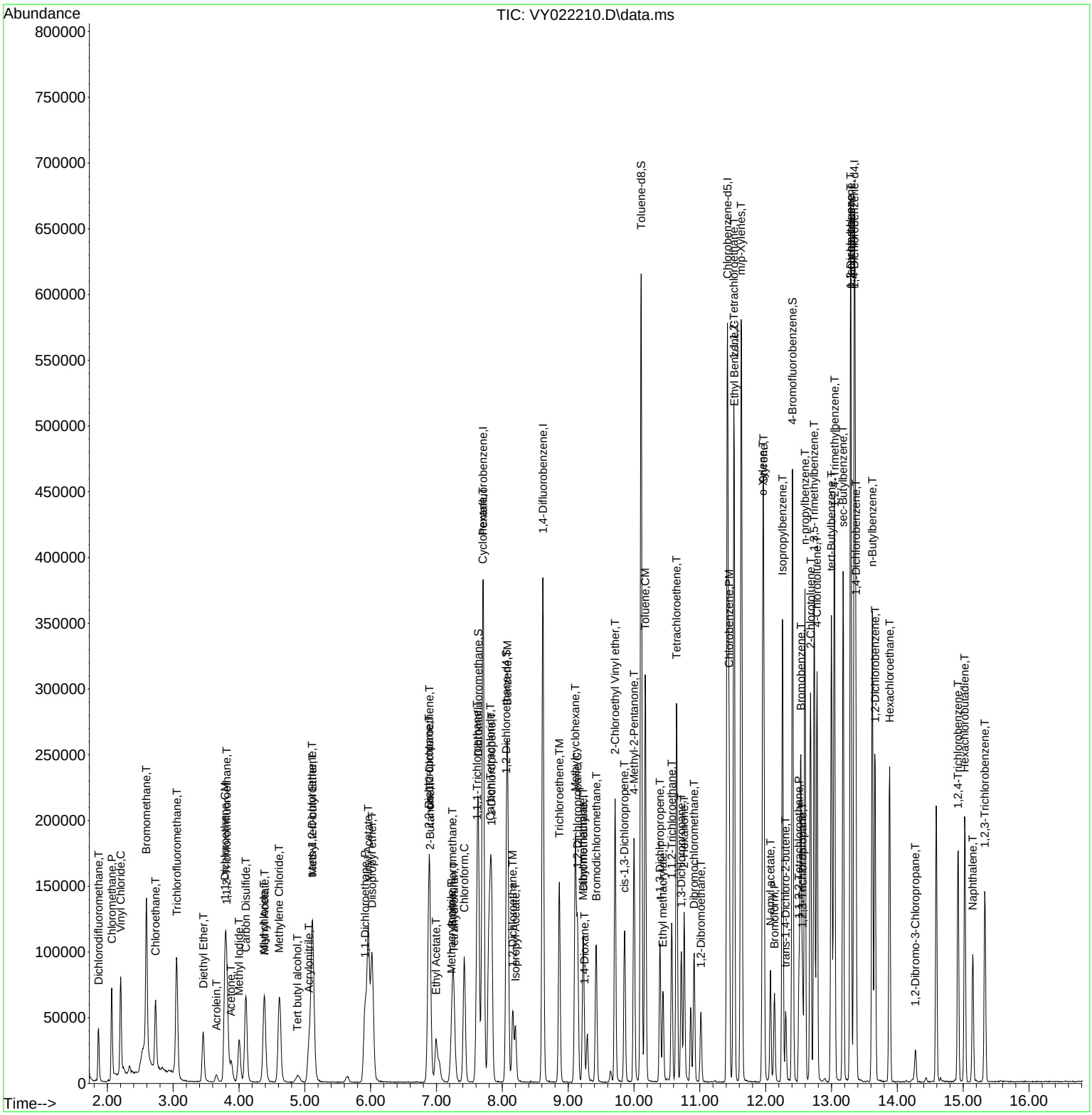
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022210.D
Acq On : 12 May 2025 09:28
Operator : SY/MD
Sample : VY0512SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 13 02:15:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/13/2025
Supervised By :Semsettin Yesilyurt 05/13/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022211.D
Acq On : 12 May 2025 09:51
Operator : SY/MD
Sample : VY0512SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 13 02:16:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/13/2025
Supervised By :Semsettin Yesilyurt 05/13/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	216263	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	338089	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	309790	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	162833	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	109166	54.649	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.300%			
35) Dibromofluoromethane	7.640	113	119160	53.349	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.700%			
50) Toluene-d8	10.109	98	451944	53.671	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.340%			
62) 4-Bromofluorobenzene	12.408	95	149962	52.902	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	36373	19.738	ug/l	96
3) Chloromethane	2.068	50	60978	23.239	ug/l	100
4) Vinyl Chloride	2.202	62	72683	22.541	ug/l	99
5) Bromomethane	2.592	94	79139	28.488	ug/l	98
6) Chloroethane	2.733	64	55086	25.085	ug/l	99
7) Trichlorofluoromethane	3.050	101	93668	22.030	ug/l	96
8) Diethyl Ether	3.452	74	23346	21.096	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	50787	22.019	ug/l	98
10) Methyl Iodide	4.007	142	53890	20.180	ug/l	98
11) Tert butyl alcohol	4.897	59	11721	106.879	ug/l #	92
12) 1,1-Dichloroethene	3.787	96	44237	20.576	ug/l	96
13) Acrolein	3.653	56	7643	38.831	ug/l	99
14) Allyl chloride	4.385	41	54138	21.627	ug/l	96
15) Acrylonitrile	5.067	53	45636	112.642	ug/l	96
16) Acetone	3.885	43	30820	105.529	ug/l	95
17) Carbon Disulfide	4.104	76	136650	19.935	ug/l	98
18) Methyl Acetate	4.391	43	22051	23.632	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	100357	20.856	ug/l	96
20) Methylene Chloride	4.610	84	53749	21.279	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	50618	21.023	ug/l	95
22) Diisopropyl ether	6.019	45	126733	22.749	ug/l	94
23) Vinyl Acetate	5.964	43	332390	110.711	ug/l	99
24) 1,1-Dichloroethane	5.915	63	86946	22.516	ug/l	99
25) 2-Butanone	6.903	43	48902	107.397	ug/l	97
26) 2,2-Dichloropropane	6.884	77	74166	21.914	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	56982	21.166	ug/l	97
28) Bromochloromethane	7.244	49	33757	22.507	ug/l	95
29) Tetrahydrofuran	7.268	42	33147	112.083	ug/l	97
30) Chloroform	7.421	83	96746	22.587	ug/l	97
31) Cyclohexane	7.701	56	68898	20.865	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	84194	21.727	ug/l	98
36) 1,1-Dichloropropene	7.835	75	65523	21.839	ug/l	98
37) Ethyl Acetate	6.988	43	24148	22.410	ug/l	97
38) Carbon Tetrachloride	7.817	117	79467	22.165	ug/l	95
39) Methylcyclohexane	9.109	83	75338	19.953	ug/l	93
40) Benzene	8.079	78	206390	22.006	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022211.D
Acq On : 12 May 2025 09:51
Operator : SY/MD
Sample : VY0512SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 13 02:16:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/13/2025
Supervised By :Semsettin Yesilyurt 05/13/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	10178	17.278	ug/l	#	74
42) 1,2-Dichloroethane	8.158	62	52252	22.502	ug/l		100
43) Isopropyl Acetate	8.195	43	47302	22.858	ug/l		98
44) Trichloroethene	8.866	130	55659	21.425	ug/l		95
45) 1,2-Dichloropropane	9.140	63	47168	22.742	ug/l		97
46) Dibromomethane	9.231	93	28643	22.061	ug/l		99
47) Bromodichloromethane	9.420	83	74034	22.825	ug/l		97
48) Methyl methacrylate	9.219	41	19984	20.890	ug/l		96
49) 1,4-Dioxane	9.244	88	5888	425.482	ug/l		90
51) 4-Methyl-2-Pentanone	10.000	43	123141	113.516	ug/l		96
52) Toluene	10.170	92	134859	22.214	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	59031	21.218	ug/l		96
54) cis-1,3-Dichloropropene	9.853	75	73116	22.109	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	38454	22.173	ug/l		95
56) Ethyl methacrylate	10.438	69	40792	20.568	ug/l		97
57) 1,3-Dichloropropane	10.719	76	62382	22.437	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	104794	108.069	ug/l		100
59) 2-Hexanone	10.762	43	80325	112.262	ug/l		95
60) Dibromochloromethane	10.908	129	54387	22.651	ug/l		98
61) 1,2-Dibromoethane	11.012	107	36377	22.218	ug/l		99
64) Tetrachloroethene	10.646	164	65477	22.405	ug/l		96
65) Chlorobenzene	11.444	112	148671	21.460	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.511	131	54779	22.460	ug/l		99
67) Ethyl Benzene	11.518	91	233947	20.644	ug/l		100
68) m/p-Xylenes	11.627	106	192656	42.722	ug/l		99
69) o-Xylene	11.957	106	85003	20.451	ug/l		97
70) Styrene	11.969	104	146776	21.032	ug/l		99
71) Bromoform	12.133	173	31521	22.230	ug/l	#	98
73) Isopropylbenzene	12.255	105	227948	20.953	ug/l		100
74) N-amyl acetate	12.072	43	39824	21.306	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	41636	22.700	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	31061m	22.270	ug/l		
77) Bromobenzene	12.530	156	58809	21.393	ug/l		97
78) n-propylbenzene	12.597	91	277323	21.406	ug/l		100
79) 2-Chlorotoluene	12.682	91	162059	21.509	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	193096	21.542	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	12330	21.289	ug/l		96
82) 4-Chlorotoluene	12.780	91	171823	21.938	ug/l		100
83) tert-Butylbenzene	12.999	119	167936	20.890	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	194646	21.710	ug/l		99
85) sec-Butylbenzene	13.176	105	251857	21.410	ug/l		99
86) p-Isopropyltoluene	13.292	119	207628	20.785	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	121365	21.737	ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	120102	21.720	ug/l		99
89) n-Butylbenzene	13.615	91	183111	20.508	ug/l		99
90) Hexachloroethane	13.877	117	47889	21.820	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	106964	21.965	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6603	22.628	ug/l		93
93) 1,2,4-Trichlorobenzene	14.919	180	55017	19.937	ug/l		99
94) Hexachlorobutadiene	15.023	225	35158	20.708	ug/l		99
95) Naphthalene	15.145	128	86483	18.866	ug/l		98
96) 1,2,3-Trichlorobenzene	15.328	180	47559	19.966	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022211.D
Acq On : 12 May 2025 09:51
Operator : SY/MD
Sample : VY0512SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 13 02:16:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/13/2025
Supervised By :Semsettin Yesilyurt 05/13/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

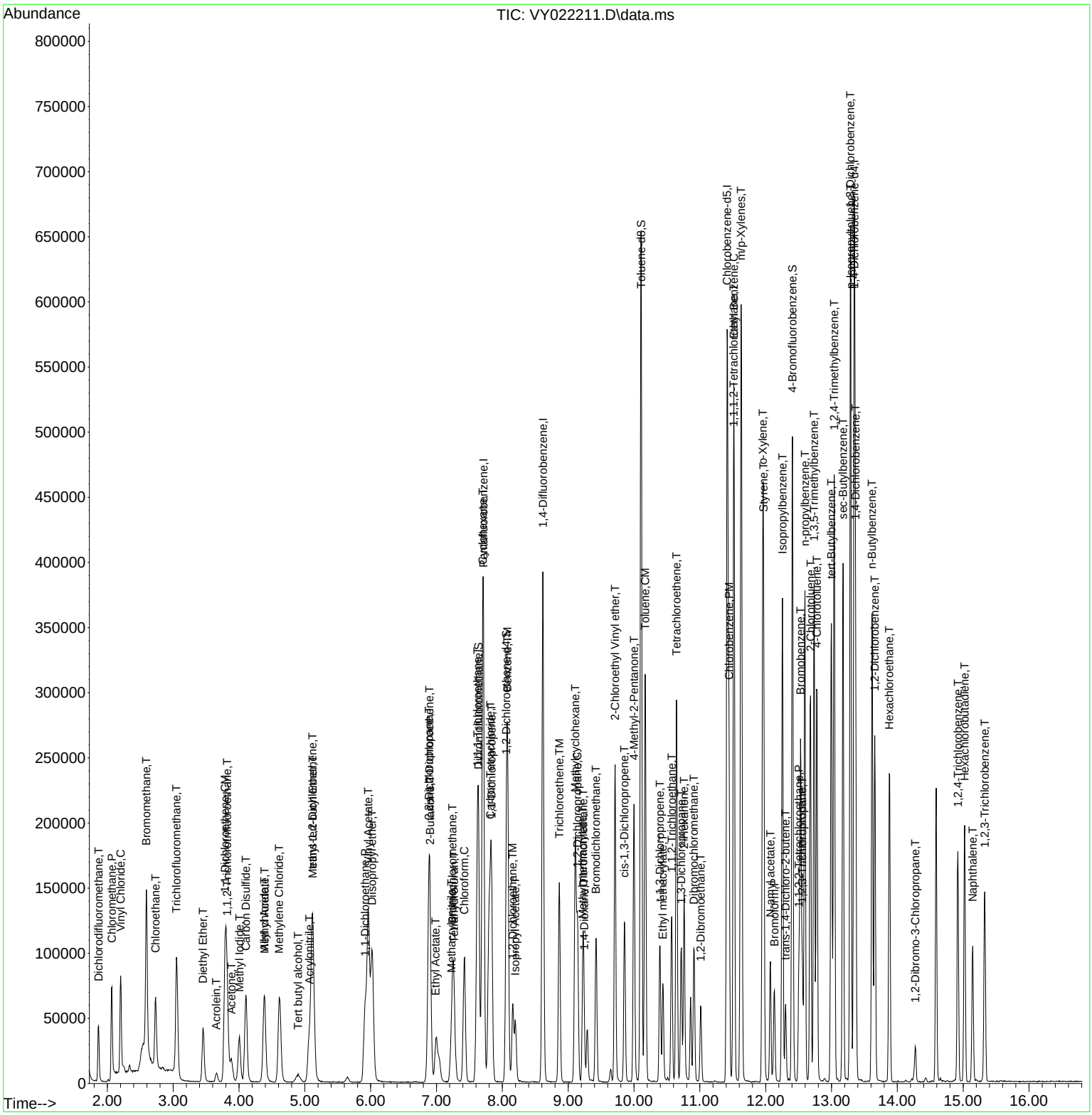
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
Data File : VY022211.D
Acq On : 12 May 2025 09:51
Operator : SY/MD
Sample : VY0512SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 13 02:16:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/13/2025
Supervised By :Semsettin Yesilyurt 05/13/2025



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	VY042225	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY021953.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDICC005	VY021953.D	Ethyl Acetate	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDICC005	VY021953.D	Methacrylonitrile	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDICC005	VY021953.D	Tert butyl alcohol	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDICC010	VY021954.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:50 AM	MMDadoda	4/23/2025 1:29:03 PM	Peak Integrated by Software
VSTDICC010	VY021954.D	Ethyl Acetate	SAM	4/23/2025 7:34:50 AM	MMDadoda	4/23/2025 1:29:03 PM	Peak Integrated by Software
VSTDICC010	VY021954.D	Methacrylonitrile	SAM	4/23/2025 7:34:50 AM	MMDadoda	4/23/2025 1:29:03 PM	Peak Integrated by Software
VSTDICC020	VY021955.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:51 AM	MMDadoda	4/23/2025 1:29:07 PM	Peak Integrated by Software
VSTDICC020	VY021955.D	Methacrylonitrile	SAM	4/23/2025 7:34:51 AM	MMDadoda	4/23/2025 1:29:07 PM	Peak Integrated by Software
VSTDICCC050	VY021956.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:53 AM	MMDadoda	4/23/2025 1:29:11 PM	Peak Integrated by Software
VSTDICC100	VY021957.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:56 AM	MMDadoda	4/23/2025 1:29:15 PM	Peak Integrated by Software
VSTDICC150	VY021958.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:57 AM	MMDadoda	4/23/2025 1:29:19 PM	Peak Integrated by Software
VSTDICV050	VY021960.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:59 AM	MMDadoda	4/23/2025 1:29:23 PM	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	VY042225	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	vy051225	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022208.D	1,2,3-Trichloropropane	MMDadoda	5/13/2025 2:14:51 PM	Sam	5/13/2025 2:16:12 PM	Peak Integrated by Software
VY0512SBS01	VY022210.D	1,2,3-Trichloropropane	MMDadoda	5/13/2025 2:14:53 PM	Sam	5/13/2025 2:16:12 PM	Peak Integrated by Software
VY0512SBSD01	VY022211.D	1,2,3-Trichloropropane	MMDadoda	5/13/2025 2:14:55 PM	Sam	5/13/2025 2:16:15 PM	Peak Integrated by Software
VSTDCCC050	VY022231.D	1,2,3-Trichloropropane	MMDadoda	5/13/2025 2:14:58 PM	Sam	5/13/2025 2:16:17 PM	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY042225

Review By	Semsettin Yesilyurt	Review On	4/23/2025 7:35:07 AM		
Supervise By	Mahesh Dadoda	Supervise On	4/23/2025 1:28:52 PM		
SubDirectory	VY042225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133718
Initial Calibration Stds	VP133719,VP133720,VP133721,VP133722,VP133723,VP133724
CCC	
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133725
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021952.D	22 Apr 2025 11:33	SY/MD	Ok
2	VSTDICC005	VY021953.D	22 Apr 2025 13:39	SY/MD	Ok,M
3	VSTDICC010	VY021954.D	22 Apr 2025 14:44	SY/MD	Ok,M
4	VSTDICC020	VY021955.D	22 Apr 2025 15:07	SY/MD	Ok,M
5	VSTDICCC050	VY021956.D	22 Apr 2025 15:29	SY/MD	Ok,M
6	VSTDICC100	VY021957.D	22 Apr 2025 15:52	SY/MD	Ok,M
7	VSTDICC150	VY021958.D	22 Apr 2025 16:15	SY/MD	Ok,M
8	IBLK	VY021959.D	22 Apr 2025 16:38	SY/MD	Ok
9	VSTDICV050	VY021960.D	22 Apr 2025 17:01	SY/MD	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051225

Review By	Mahesh Dadoda	Review On	5/13/2025 2:15:05 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/13/2025 2:16:30 PM		
SubDirectory	VY051225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133882
Initial Calibration Stds	
CCC	VP133883,VP133884
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022207.D	12 May 2025 07:56	SY/MD	Ok
2	VSTDCCC050	VY022208.D	12 May 2025 08:26	SY/MD	Ok,M
3	VY0512SBL01	VY022209.D	12 May 2025 08:57	SY/MD	Ok
4	VY0512SBS01	VY022210.D	12 May 2025 09:28	SY/MD	Ok,M
5	VY0512SBSD01	VY022211.D	12 May 2025 09:51	SY/MD	Ok,M
6	Q1978-01	VY022212.D	12 May 2025 10:31	SY/MD	Not Ok
7	Q1976-01RE	VY022213.D	12 May 2025 10:54	SY/MD	Confirms
8	Q1983-02	VY022214.D	12 May 2025 11:16	SY/MD	ReRun
9	Q1983-08	VY022215.D	12 May 2025 11:39	SY/MD	Not Ok
10	Q1983-14	VY022216.D	12 May 2025 12:02	SY/MD	ReRun
11	Q1983-20	VY022217.D	12 May 2025 12:24	SY/MD	ReRun
12	Q1983-26	VY022218.D	12 May 2025 12:47	SY/MD	ReRun
13	Q1983-32	VY022219.D	12 May 2025 13:10	SY/MD	ReRun
14	Q1983-38	VY022220.D	12 May 2025 13:32	SY/MD	ReRun
15	Q1983-44	VY022221.D	12 May 2025 13:55	SY/MD	Ok
16	Q1983-50	VY022222.D	12 May 2025 14:17	SY/MD	Ok
17	Q1986-01	VY022223.D	12 May 2025 14:40	SY/MD	ReRun
18	Q1986-03	VY022224.D	12 May 2025 15:03	SY/MD	ReRun
19	Q1986-05	VY022225.D	12 May 2025 15:25	SY/MD	ReRun
20	Q1986-07	VY022226.D	12 May 2025 15:48	SY/MD	Not Ok
21	Q1986-09	VY022227.D	12 May 2025 16:11	SY/MD	ReRun

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051225

Review By	Mahesh Dadoda	Review On	5/13/2025 2:15:05 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	5/13/2025 2:16:30 PM				
SubDirectory	VY051225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133882
Initial Calibration Stds	
CCC	VP133883,VP133884
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2002-01	VY022228.D	12 May 2025 16:33	SY/MD	ReRun
23	Q1980-06	VY022229.D	12 May 2025 16:56	SY/MD	ReRun
24	Q1987-01	VY022230.D	12 May 2025 17:19	SY/MD	Ok
25	VSTDCCC050	VY022231.D	12 May 2025 18:04	SY/MD	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY042225

Review By	Semsettin Yesilyurt	Review On	4/23/2025 7:35:07 AM		
Supervise By	Mahesh Dadoda	Supervise On	4/23/2025 1:28:52 PM		
SubDirectory	VY042225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133718
Initial Calibration Stds	VP133719,VP133720,VP133721,VP133722,VP133723,VP133724
CCC	
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133725
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021952.D	22 Apr 2025 11:33		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY021953.D	22 Apr 2025 13:39		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY021954.D	22 Apr 2025 14:44	Com.#16 is on Linear Regression	SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY021955.D	22 Apr 2025 15:07		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY021956.D	22 Apr 2025 15:29		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY021957.D	22 Apr 2025 15:52		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY021958.D	22 Apr 2025 16:15		SY/MD	Ok,M
8	IBLK	IBLK	VY021959.D	22 Apr 2025 16:38		SY/MD	Ok
9	VSTDICV050	ICVVY042225	VY021960.D	22 Apr 2025 17:01		SY/MD	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051225

Review By	Mahesh Dadoda	Review On	5/13/2025 2:15:05 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/13/2025 2:16:30 PM		
SubDirectory	VY051225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133882
Initial Calibration Stds	
CCC	VP133883,VP133884
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022207.D	12 May 2025 07:56		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022208.D	12 May 2025 08:26		SY/MD	Ok,M
3	VY0512SBL01	VY0512SBL01	VY022209.D	12 May 2025 08:57		SY/MD	Ok
4	VY0512SBS01	VY0512SBS01	VY022210.D	12 May 2025 09:28		SY/MD	Ok,M
5	VY0512SBSD01	VY0512SBSD01	VY022211.D	12 May 2025 09:51		SY/MD	Ok,M
6	Q1978-01	72-12016	VY022212.D	12 May 2025 10:31	vial-B Not purged	SY/MD	Not Ok
7	Q1976-01RE	VNJ-207RE	VY022213.D	12 May 2025 10:54	vial-B ISTD Fail	SY/MD	Confirms
8	Q1983-02	OR-636-VOC-01	VY022214.D	12 May 2025 11:16	vial-A Internal standard fail	SY/MD	ReRun
9	Q1983-08	OR-636-VOC-02	VY022215.D	12 May 2025 11:39	vial-A Not purge	SY/MD	Not Ok
10	Q1983-14	OR-636-VOC-03	VY022216.D	12 May 2025 12:02	vial-A Internal standard fail	SY/MD	ReRun
11	Q1983-20	OR-636-VOC-04	VY022217.D	12 May 2025 12:24	vial-A Internal standard fail	SY/MD	ReRun
12	Q1983-26	OR-636-VOC-05	VY022218.D	12 May 2025 12:47	vial-A Internal standard fail	SY/MD	ReRun
13	Q1983-32	OR-636-VOC-06	VY022219.D	12 May 2025 13:10	vial-A Internal standard fail	SY/MD	ReRun
14	Q1983-38	OR-636-VOC-07	VY022220.D	12 May 2025 13:32	vial-A Internal standard fail	SY/MD	ReRun
15	Q1983-44	OR-636-VOC-08	VY022221.D	12 May 2025 13:55	vial-A	SY/MD	Ok
16	Q1983-50	OR-636-VOC-09	VY022222.D	12 May 2025 14:17	vial-A	SY/MD	Ok
17	Q1986-01	COMP-8	VY022223.D	12 May 2025 14:40	vial-A Internal standard fail	SY/MD	ReRun
18	Q1986-03	COMP-9	VY022224.D	12 May 2025 15:03	vial-A Internal standard fail	SY/MD	ReRun

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051225

Review By	Mahesh Dadoda	Review On	5/13/2025 2:15:05 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/13/2025 2:16:30 PM		
SubDirectory	VY051225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133882
Initial Calibration Stds	
CCC	VP133883,VP133884
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1986-05	COMP-10	VY022225.D	12 May 2025 15:25	vial-A Internal standard fail	SY/MD	ReRun
20	Q1986-07	COMP-11	VY022226.D	12 May 2025 15:48	vial-A not req	SY/MD	Not Ok
21	Q1986-09	VNJ-218	VY022227.D	12 May 2025 16:11	vial-A Internal standard fail	SY/MD	ReRun
22	Q2002-01	EO-02-05092025	VY022228.D	12 May 2025 16:33	vial-A Internal standard fail;Surrogate fail	SY/MD	ReRun
23	Q1980-06	3836	VY022229.D	12 May 2025 16:56	vial-A Internal standard fail;Surrogate fail	SY/MD	ReRun
24	Q1987-01	GC1	VY022230.D	12 May 2025 17:19	vial-A	SY/MD	Ok
25	VSTDCCC050	VSTDCCC050EC	VY022231.D	12 May 2025 18:04		SY/MD	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

LAB CHRONICLE

OrderID:	Q1987	**OrderDate:**	5/8/2025 1:07:00 PM
Client:	G Environmental	**Project:**	Hillside
Contact:	Gary Landis	**Location:**	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1987-01	**GC1**	**SOIL**			**05/07/25**			**05/08/25**
			VOCMS Group1	8260D			05/12/25	

SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental		Date Collected:	05/07/25	
Project:	Hillside		Date Received:	05/08/25	
Client Sample ID:	GC1		SDG No.:	Q1987	
Lab Sample ID:	Q1987-01		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	86.6	
Sample Wt/Vol:	30.06	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
05/13/25 09:35	05/13/25 16:24	PB167974

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.49		1	1.36	2.30	mg/kg	FC068851.D
Aliphatic C9-C28	Aliphatic C9-C28	5.66		1	1.05	4.61	mg/kg	FC068851.D
Total AliphaticEPH	Total AliphaticEPH	10.1			2.41	6.91	mg/kg	
Total EPH	Total EPH	10.1			2.41	6.91	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental		Date Collected:	05/07/25	
Project:	Hillside		Date Received:	05/08/25	
Client Sample ID:	GC1		SDG No.:	Q1987	
Lab Sample ID:	Q1987-01		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	86.6	
Sample Wt/Vol:	30.06	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068851.D	1	05/13/25	05/13/25	PB167974

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.66		1.05	4.61	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.49		1.36	2.30	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	48.1		40 - 140	96%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.6		40 - 140	87%	SPK: 50

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1987-01	Acq On:	13 May 2025 16:24
Client Sample ID:	GC1	Operator:	YP/AJ
Data file:	FC068851.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.341	6.641	275128	2.775	300	ug/ml
Aliphatic C12-C16	6.642	10.040	493386	5.423	200	ug/ml
Aliphatic C16-C21	10.041	13.406	4626509	53.947	300	ug/ml
Aliphatic C21-C28	13.407	17.068	957760	11.527	400	ug/ml
Aliphatic C28-C40	17.069	22.062	4944933	58.435	600	ug/ml
Aliphatic EPH	3.341	22.062	11297716	132.107		ug/ml
ortho-Terphenyl (SURR)	11.709	11.709	4975977	43.6		ug/ml
1-chlorooctadecane (SURR)	13.142	13.142	3863145	48.15		ug/ml
Aliphatic C9-C28	3.341	17.068	6352783	73.672	1200	ug/ml

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM CASE No.: Q1987 SAS No.: Q1987 SDG No.: Q1987

Run Number: FC051325AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
PB167974BL	86	79		0
PB167974BS	86	78		0
PB167974BSD	85	76		0
GC1	96	87		0
GC1MS	72	64		0
GC1MSD	71	64		0

	QC LIMITS
1-chlorooctadecane (SURR)	(40-140)
ortho-Terphenyl (SURR)	(40-140)

Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

SOLID EPH_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental

Lab Code: CHEM **Cas No:** Q1987 **SAS No :** Q1987 **SDG No:** Q1987

Sample No : Q1987-01MS **Datafile:** FC068853.D

Client ID : GC1MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C28-C40	34.6	4.49	47.3	123		(40-140)
Aliphatic C9-C28	115.4	5.66	127	105		(40-140)

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

SOLID EPH_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental

Lab Code: CHEM **Cas No:** Q1987 **SAS No :** Q1987 **SDG No:** Q1987

Sample No : Q1987-01MSD **Datafile:** FC068854.D

Client ID : GC1MSD

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aliphatic C28-C40	34.6	4.49	46.9	122		0.82 |	(40-140)	50
Aliphatic C9-C28	115.4	5.66	128	106		1 |	(40-140)	50

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

SOLID EPH_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental

Lab Code: CHEM **Cas No:** Q1987 **SAS No :** Q1987 **SDG No:** Q1987

Sample No : PB167974BS **Datafile:** FC068849.D

Client ID : PB167974BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C28-C40	30.0	36.6	122		(40-140)
Aliphatic C9-C28	99.9	110	109		(40-140)

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

SOLID EPH_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental

Lab Code: CHEM **Cas No:** Q1987 **SAS No :** Q1987 **SDG No:** Q1987

Sample No : PB167974BSD **Datafile:** FC068850.D

Client ID : PB167974BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD | QC LIMITS	QC Limit Of RPD
Aliphatic C28-C40	30.0	36.4	121		0.515| (40-140)	25
Aliphatic C9-C28	100.1	109	108		0.726| (40-140)	25

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.
PB167974BL

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1987 SAS No.: Q1987 SDG NO.: Q1987

Instrument ID: FID_C Lab Sample ID: PB167974BL

Matrix: (soil/water) Solid Date Extracted: 5/13/2025 9:35:00 A

Level: (low/med) low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID
PB167974BS	PB167974BS
PB167974BSD	PB167974BSD
GC1	Q1987-01
GC1MS	Q1987-01MS
GC1MSD	Q1987-01MSD

COMMENTS:

QC SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Hillside			Date Received:	
Client Sample ID:	PB167974BL			SDG No.:	Q1987
Lab Sample ID:	PB167974BL			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
05/13/25 09:35	05/13/25 14:31	PB167974

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	FC068848.D
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	1	0.91	3.99	mg/kg	FC068848.D
Total AliphaticEPH	Total AliphaticEPH	2.09	U		2.09	5.99	mg/kg	
Total EPH	Total EPH	2.09	U		2.09	5.99	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Hillside		Date Received:		
Client Sample ID:	PB167974BL		SDG No.:	Q1987	
Lab Sample ID:	PB167974BL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.02 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068848.D	1	05/13/25	05/13/25	PB167974

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.0		40 - 140	86%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.4		40 - 140	79%	SPK: 50

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167974BL	Acq On:	13 May 2025 14:31
Client Sample ID:	PB167974BL	Operator:	YP/AJ
Data file:	FC068848.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.341	6.641	0	0	300	ug/ml
Aliphatic C12-C16	6.642	10.040	0	0	200	ug/ml
Aliphatic C16-C21	10.041	13.406	0	0	300	ug/ml
Aliphatic C21-C28	13.407	17.068	0	0	400	ug/ml
Aliphatic C28-C40	17.069	22.062	0	0	600	ug/ml
Aliphatic EPH	3.341	22.062	0	0		ug/ml
ortho-Terphenyl (SURR)	11.709	11.709	4495541	39.39		ug/ml
1-chlorooctadecane (SURR)	13.142	13.142	3453231	43.04		ug/ml
Aliphatic C9-C28	3.341	17.068	0	0	1200	ug/ml

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Hillside			Date Received:	
Client Sample ID:	PB167974BS			SDG No.:	Q1987
Lab Sample ID:	PB167974BS			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
05/13/25 09:35	05/13/25 15:08	PB167974

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	36.6		1	1.18	2.00	mg/kg	FC068849.D
Aliphatic C9-C28	Aliphatic C9-C28	110	E	1	0.91	3.99	mg/kg	FC068849.D
Total AliphaticEPH	Total AliphaticEPH	147			2.09	5.99	mg/kg	
Total EPH	Total EPH	147			2.09	5.99	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Hillside		Date Received:		
Client Sample ID:	PB167974BS		SDG No.:	Q1987	
Lab Sample ID:	PB167974BS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.03 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068849.D	1	05/13/25	05/13/25	PB167974

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		110	E	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		36.6		1.18	2.00	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		43.2		40 - 140	86%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		38.8		40 - 140	78%	SPK: 50

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167974BS	Acq On:	13 May 2025 15:08
Client Sample ID:	PB167974BS	Operator:	YP/AJ
Data file:	FC068849.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.341	6.641	25533459	257.567	300	ug/ml
Aliphatic C12-C16	6.642	10.040	33639900	369.733	200	ug/ml
Aliphatic C16-C21	10.041	13.406	38569629	449.737	300	ug/ml
Aliphatic C21-C28	13.407	17.068	47973507	577.361	400	ug/ml
Aliphatic C28-C40	17.069	22.062	46561369	550.223	600	ug/ml
Aliphatic EPH	3.341	22.062	192277864	2200		ug/ml
ortho-Terphenyl (SURR)	11.709	11.709	4422950	38.75		ug/ml
1-chlorooctadecane (SURR)	13.141	13.141	3462600	43.16		ug/ml
Aliphatic C9-C28	3.341	17.068	145716495	1650	1200	ug/ml

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Hillside			Date Received:	
Client Sample ID:	PB167974BSD			SDG No.:	Q1987
Lab Sample ID:	PB167974BSD			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
05/13/25 09:35	05/13/25 15:46	PB167974

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	36.4		1	1.18	2.00	mg/kg	FC068850.D
Aliphatic C9-C28	Aliphatic C9-C28	109	E	1	0.91	4.00	mg/kg	FC068850.D
Total AliphaticEPH	Total AliphaticEPH	146			2.09	6.00	mg/kg	
Total EPH	Total EPH	146			2.09	6.00	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Hillside			Date Received:	
Client Sample ID:	PB167974BSD			SDG No.:	Q1987
Lab Sample ID:	PB167974BSD			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068850.D	1	05/13/25	05/13/25	PB167974

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		109	E	0.91	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		36.4		1.18	2.00	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		42.6		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		38.2		40 - 140	76%	SPK: 50

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167974BSD	Acq On:	13 May 2025 15:46
Client Sample ID:	PB167974BSD	Operator:	YP/AJ
Data file:	FC068850.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.341	6.641	25563580	257.871	300	ug/ml
Aliphatic C12-C16	6.642	10.040	33240251	365.34	200	ug/ml
Aliphatic C16-C21	10.041	13.406	38095758	444.211	300	ug/ml
Aliphatic C21-C28	13.407	17.068	47425618	570.767	400	ug/ml
Aliphatic C28-C40	17.069	22.062	46176524	545.675	600	ug/ml
Aliphatic EPH	3.341	22.062	190501731	2180		ug/ml
ortho-Terphenyl (SURR)	11.710	11.710	4358963	38.19		ug/ml
1-chlorooctadecane (SURR)	13.141	13.141	3420285	42.63		ug/ml
Aliphatic C9-C28	3.341	17.068	144325207	1640	1200	ug/ml

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Hillside			Date Received:	
Client Sample ID:	GC1MS			SDG No.:	Q1987
Lab Sample ID:	Q1987-01MS			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	86.6
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
05/13/25 09:35	05/13/25 17:41	PB167974

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	47.3	E	1	1.36	2.31	mg/kg	FC068853.D
Aliphatic C9-C28	Aliphatic C9-C28	127	E	1	1.05	4.61	mg/kg	FC068853.D
Total AliphaticEPH	Total AliphaticEPH	174			2.41	6.92	mg/kg	
Total EPH	Total EPH	174			2.41	6.92	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Hillside		Date Received:		
Client Sample ID:	GC1MS		SDG No.:	Q1987	
Lab Sample ID:	Q1987-01MS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	86.6	
Sample Wt/Vol:	30.03 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068853.D	1	05/13/25	05/13/25	PB167974

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	127	E	1.05	4.61	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	47.3	E	1.36	2.31	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.0		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.9		40 - 140	64%	SPK: 50

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1987-01MS	Acq On:	13 May 2025 17:41
Client Sample ID:	GC1MS	Operator:	YP/AJ
Data file:	FC068853.D	Misc:	
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.341	6.641	23401905	236.065	300	ug/ml
Aliphatic C12-C16	6.642	10.040	33231391	365.243	200	ug/ml
Aliphatic C16-C21	10.041	13.406	40245810	469.282	300	ug/ml
Aliphatic C21-C28	13.407	17.068	48208559	580.189	400	ug/ml
Aliphatic C28-C40	17.069	22.062	52100219	615.677	600	ug/ml
Aliphatic EPH	3.341	22.062	197187884	2270		ug/ml
ortho-Terphenyl (SURR)	11.709	11.709	3646047	31.94		ug/ml
1-chlorooctadecane (SURR)	13.141	13.141	2889403	36.02		ug/ml
Aliphatic C9-C28	3.341	17.068	145087665	1650	1200	ug/ml

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Hillside			Date Received:	
Client Sample ID:	GC1MSD			SDG No.:	Q1987
Lab Sample ID:	Q1987-01MSD			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	86.6
Sample Wt/Vol:	30.04	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
05/13/25 09:35	05/13/25 18:19	PB167974

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	46.9	E	1	1.36	2.31	mg/kg	FC068854.D
Aliphatic C9-C28	Aliphatic C9-C28	128	E	1	1.05	4.61	mg/kg	FC068854.D
Total AliphaticEPH	Total AliphaticEPH	175			2.41	6.92	mg/kg	
Total EPH	Total EPH	175			2.41	6.92	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Hillside		Date Received:		
Client Sample ID:	GC1MSD		SDG No.:	Q1987	
Lab Sample ID:	Q1987-01MSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	86.6	
Sample Wt/Vol:	30.04 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068854.D	1	05/13/25	05/13/25	PB167974

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	128	E	1.05	4.61	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	46.9	E	1.36	2.31	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.7		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.8		40 - 140	64%	SPK: 50

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1987-01MSD	Acq On:	13 May 2025 18:19
Client Sample ID:	GC1MSD	Operator:	YP/AJ
Data file:	FC068854.D	Misc:	
Instrument:	FID_C	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.341	6.641	22943915	231.445	300	ug/ml
Aliphatic C12-C16	6.642	10.040	32793055	360.425	200	ug/ml
Aliphatic C16-C21	10.041	13.406	43167344	503.348	300	ug/ml
Aliphatic C21-C28	13.407	17.068	47616029	573.058	400	ug/ml
Aliphatic C28-C40	17.069	22.062	51608688	609.868	600	ug/ml
Aliphatic EPH	3.341	22.062	198129031	2280		ug/ml
ortho-Terphenyl (SURR)	11.709	11.709	3632007	31.82		ug/ml
1-chlorooctadecane (SURR)	13.141	13.141	2861387	35.67		ug/ml
Aliphatic C9-C28	3.341	17.068	146520343	1670	1200	ug/ml

CALIBRATION SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Inital Calibration Report for SequenceID : FC050625AL

AreaCount

Parameter Range	FC068781.D	FC068782.D	FC068783.D	FC068784.D	FC068785.D	
Aliphatic C9-C12	27880831.000	14168342.000	6134963.000	3195282.000	1492730.000	
Aliphatic C12-C16	16912815.000	8652812.000	3764747.000	1956091.000	919066.000	
Aliphatic C16-C21	23844810.000	12210662.000	5322269.000	2761699.000	1307311.000	
Aliphatic C21-C28	31086803.000	15724596.000	6816713.000	3578057.000	1689101.000	
Aliphatic C28-C40	47720501.000	24011560.000	10345705.000	5495913.000	2571840.000	
Aliphatic EPH	147445760.000	74767972.000	32384397.000	16987042.000	7980048.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	99133.1666664	5.629				
Aliphatic C12-C16	90984.404	5.976				
Aliphatic C16-C21	85760.459333	6.077				
Aliphatic C21-C28	83091.075	5.885				
Aliphatic C28-C40	84622.6919998	5.889				
Aliphatic EPH	87597.2298886	5.859				

Concentration

Parameter Range	FC068781.D	FC068782.D	FC068783.D	FC068784.D	FC068785.D	
Aliphatic C9-C12	300.000	150.000	60.000	30.000	15.000	
Aliphatic C12-C16	200.000	100.000	40.000	20.000	10.000	
Aliphatic C16-C21	300.000	150.000	60.000	30.000	15.000	
Aliphatic C21-C28	400.000	200.000	80.000	40.000	20.000	
Aliphatic C28-C40	600.000	300.000	120.000	60.000	30.000	
Aliphatic EPH	1800.000	900.000	360.000	180.000	90.000	

Response Factor

Parameter Range	FC068781.D	FC068782.D	FC068783.D	FC068784.D	FC068785.D	
Aliphatic C9-C12	92936.103333	94455.613333	102249.383333	106509.400000	99515.333333	
Aliphatic C12-C16	84564.075000	86528.120000	94118.675000	97804.550000	91906.600000	
Aliphatic C16-C21	79482.700000	81404.413333	88704.483333	92056.633333	87154.066666	

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Inital Calibration Report for SequenceID : FC050625AL

Aliphatic C21-C28	77717.007500	78622.980000	85208.912500	89451.425000	84455.050000	
Aliphatic C28-C40	79534.168333	80038.533333	86214.208333	91598.550000	85728.000000	
Aliphatic EPH	81914.311111	83075.524444	89956.658333	94372.455555	88667.200000	

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Continuing Calibration Report for SequenceID : FC051325AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC068847.D**						
Aliphatic C9-C12	5076115.000	60.000	3.341	6.641	84601.917	99133.167	14.658
Aliphatic C12-C16	3342210.000	40.000	6.642	10.040	83555.250	90984.404	8.165
Aliphatic C16-C21	4878394.000	60.000	10.041	13.406	81306.567	85760.459	5.193
Aliphatic C21-C28	6494834.000	80.000	13.407	17.068	81185.425	83091.075	2.293
Aliphatic C28-C40	11119253.000	120.000	17.069	22.062	92660.442	84622.692	-9.498
Aliphatic EPH	30910806.000	360.000	3.341	22.062	85863.350	87597.230	1.979

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	13 May 2025 13:26
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068847.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.341	6.641	5076115.000	60.000	ug/ml
Aliphatic C12-C16	6.642	10.040	3342210.000	40.000	ug/ml
Aliphatic C16-C21	10.041	13.406	4878394.000	60.000	ug/ml
Aliphatic C21-C28	13.407	17.068	6494834.000	80.000	ug/ml
Aliphatic C28-C40	17.069	22.062	11119253.000	120.000	ug/ml
Aliphatic EPH	3.341	22.062	30910806.000	360.000	ug/ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Continuing Calibration Report for SequenceID : FC051325AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC068859.D**						
Aliphatic C9-C12	5083896.000	60.000	3.341	6.641	84731.600	99133.167	14.527
Aliphatic C12-C16	3409602.000	40.000	6.642	10.040	85240.050	90984.404	6.314
Aliphatic C16-C21	5004005.000	60.000	10.041	13.406	83400.083	85760.459	2.752
Aliphatic C21-C28	6690971.000	80.000	13.407	17.068	83637.138	83091.075	-0.657
Aliphatic C28-C40	11507836.000	120.000	17.069	22.062	95898.633	84622.692	-13.325
Aliphatic EPH	31696310.000	360.000	3.341	22.062	88045.306	87597.230	-0.512

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	13 May 2025 22:06
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068859.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.341	6.641	5083896.000	60.000	ug/ml
Aliphatic C12-C16	6.642	10.040	3409602.000	40.000	ug/ml
Aliphatic C16-C21	10.041	13.406	5004005.000	60.000	ug/ml
Aliphatic C21-C28	13.407	17.068	6690971.000	80.000	ug/ml
Aliphatic C28-C40	17.069	22.062	11507836.000	120.000	ug/ml
Aliphatic EPH	3.341	22.062	31696310.000	360.000	ug/ml

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC051325AL\
Data File : FC068851.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 16:24
Operator : YP/AJ
Sample : Q1987-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
GC1

Integration File: autoint1.e
Quant Time: May 14 03:13:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
Quant Title : GC Extractables
QLast Update : Wed May 07 08:52:03 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.709	4975977	43.596 ug/ml
Spiked Amount 50.000		Recovery = 87.19%	
12) S 1-chlorooctadecane (S...	13.142	3863145	48.153 ug/ml
Spiked Amount 50.000		Recovery = 96.31%	
Target Compounds			

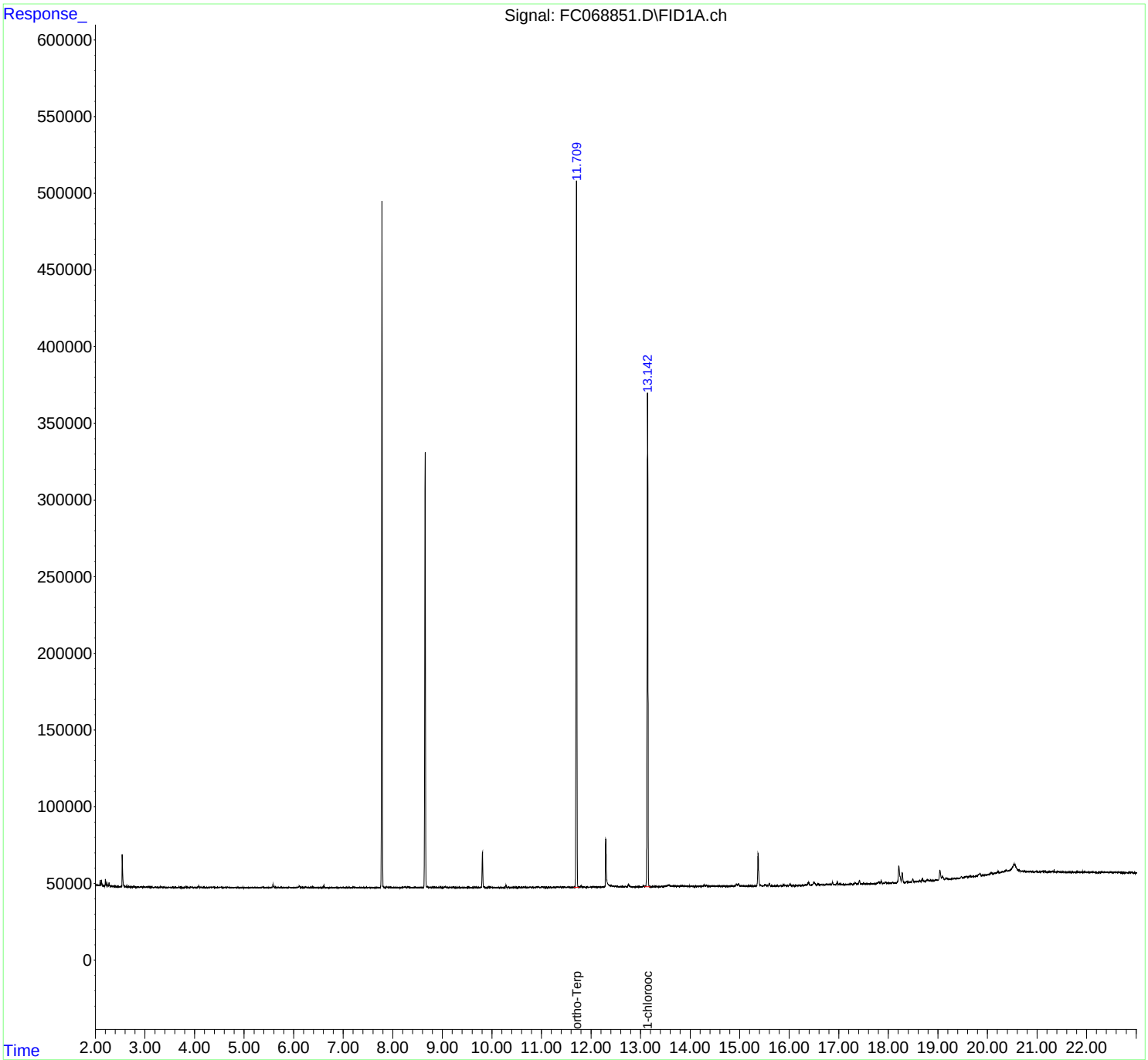
(f)=RT Delta > 1/2 Window (m)=manual int.

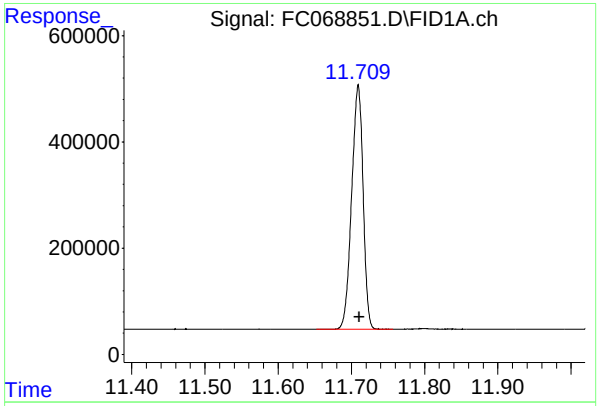
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC051325AL\
Data File : FC068851.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 16:24
Operator : YP/AJ
Sample : Q1987-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
GC1

Integration File: autoint1.e
Quant Time: May 14 03:13:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
Quant Title : GC Extractables
QLast Update : Wed May 07 08:52:03 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

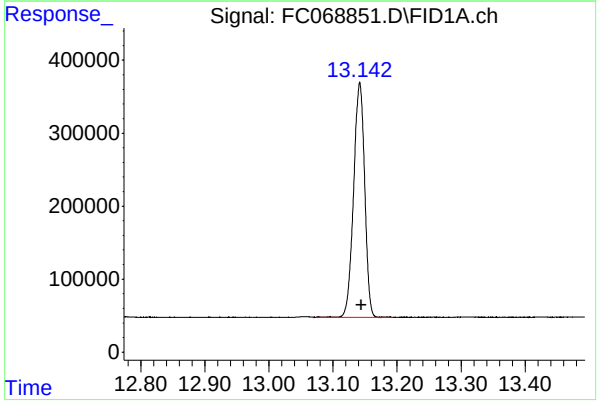




#9 ortho-Terphenyl (SURR)

R.T.: 11.709 min
Delta R.T.: -0.002 min
Response: 4975977
Conc: 43.60 ug/ml

Instrument :
FID_C
ClientSampleId :
GC1



#12 1-chlorooctadecane (SURR)

R.T.: 13.142 min
Delta R.T.: -0.002 min
Response: 3863145
Conc: 48.15 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC051325AL\
Data File : FC068851.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 16:24
Sample : Q1987-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.221	3.204	3.241	BV	84	1165	0.02%	0.007%
2	3.244	3.241	3.281	VV	92	1227	0.02%	0.008%
3	3.327	3.281	3.339	PV	177	3792	0.08%	0.023%
4	3.344	3.339	3.418	VV	150	4316	0.09%	0.026%
5	3.435	3.418	3.475	PV	174	2765	0.06%	0.017%
6	3.489	3.475	3.535	PV	100	2248	0.05%	0.014%
7	3.559	3.535	3.604	VV	158	3044	0.06%	0.019%
8	3.625	3.604	3.664	VV	225	3335	0.07%	0.020%
9	3.686	3.664	3.810	VV	326	10854	0.22%	0.066%
10	3.825	3.810	3.881	VV	399	6581	0.13%	0.040%
11	3.891	3.881	3.911	VV	132	1630	0.03%	0.010%
12	3.925	3.911	3.984	VV	297	5935	0.12%	0.036%
13	4.011	3.984	4.068	VV	165	4753	0.10%	0.029%
14	4.088	4.068	4.108	VV	1348	12347	0.25%	0.076%
15	4.122	4.108	4.155	VV	188	3995	0.08%	0.024%
16	4.170	4.155	4.204	PV	128	2682	0.05%	0.016%
17	4.215	4.204	4.256	VV	117	2531	0.05%	0.015%
18	4.281	4.256	4.295	VV	221	2643	0.05%	0.016%
19	4.319	4.295	4.328	VV	198	2869	0.06%	0.018%
20	4.334	4.328	4.348	VV	157	1750	0.04%	0.011%
21	4.374	4.348	4.427	VV	217	6195	0.12%	0.038%
22	4.445	4.427	4.464	VV	139	2068	0.04%	0.013%
23	4.517	4.464	4.545	VV	420	8730	0.18%	0.053%
24	4.555	4.545	4.594	VV	257	4715	0.09%	0.029%
25	4.606	4.594	4.648	VV	182	3824	0.08%	0.023%
26	4.661	4.648	4.708	VV	340	5941	0.12%	0.036%
27	4.723	4.708	4.742	VV	108	1890	0.04%	0.012%
28	4.759	4.742	4.794	VV	107	2159	0.04%	0.013%
29	4.800	4.794	4.814	VV	70	699	0.01%	0.004%
30	4.830	4.814	4.916	VV	117	3801	0.08%	0.023%
31	4.948	4.916	5.004	VV	90	2905	0.06%	0.018%
32	5.015	5.004	5.034	VV	89	929	0.02%	0.006%
33	5.090	5.034	5.125	PV	153	4806	0.10%	0.029%
34	5.151	5.125	5.171	VV	252	3129	0.06%	0.019%
35	5.208	5.171	5.247	VV	152	3524	0.07%	0.022%
36	5.257	5.247	5.270	VV	112	1057	0.02%	0.006%

rteres

37	5.289	5.270	5.317	VV	123	2356	0.05%	0.014%
38	5.325	5.317	5.332	VV	121	698	0.01%	0.004%
39	5.375	5.332	5.425	VV	537	9116	0.18%	0.056%
40	5.582	5.425	5.641	VV	2054	33327	0.67%	0.204%
41	5.649	5.641	5.691	VV	212	4207	0.08%	0.026%
42	5.710	5.691	5.778	VV	130	5069	0.10%	0.031%
43	5.792	5.778	5.824	VV	95	2056	0.04%	0.013%
44	5.836	5.824	5.844	VV	123	1184	0.02%	0.007%
45	5.856	5.844	5.884	VV	172	2641	0.05%	0.016%
46	5.903	5.884	5.924	VV	176	2877	0.06%	0.018%
47	5.938	5.924	5.951	VV	145	1232	0.02%	0.008%
48	5.964	5.951	5.973	VV	132	783	0.02%	0.005%
49	5.985	5.973	6.035	VV	81	2920	0.06%	0.018%
50	6.071	6.035	6.087	VV	312	5043	0.10%	0.031%
51	6.113	6.087	6.151	VV	1118	16016	0.32%	0.098%
52	6.182	6.151	6.197	VV	242	4243	0.09%	0.026%
53	6.206	6.197	6.218	VV	227	2236	0.04%	0.014%
54	6.252	6.218	6.303	VV	300	9315	0.19%	0.057%
55	6.329	6.303	6.367	VV	131	4746	0.10%	0.029%
56	6.386	6.367	6.439	VV	523	10120	0.20%	0.062%
57	6.470	6.439	6.514	VV	157	4460	0.09%	0.027%
58	6.542	6.514	6.571	VV	213	4735	0.10%	0.029%
59	6.577	6.571	6.586	VV	106	885	0.02%	0.005%
60	6.610	6.586	6.651	VV	1178	14213	0.29%	0.087%
61	6.663	6.651	6.728	VV	116	3699	0.07%	0.023%
62	6.755	6.728	6.768	PV	136	1772	0.04%	0.011%
63	6.797	6.768	6.812	VV	104	1732	0.03%	0.011%
64	6.824	6.812	6.839	VV	160	1560	0.03%	0.010%
65	6.847	6.839	6.880	VV	109	1886	0.04%	0.012%
66	6.897	6.880	6.915	VV	116	1535	0.03%	0.009%
67	6.935	6.915	6.954	VV	378	3696	0.07%	0.023%
68	6.995	6.954	7.041	VV	186	5710	0.11%	0.035%
69	7.070	7.041	7.104	VV	178	5951	0.12%	0.036%
70	7.168	7.104	7.185	VV	236	6900	0.14%	0.042%
71	7.202	7.185	7.241	VV	320	6934	0.14%	0.042%
72	7.250	7.241	7.264	VV	182	1847	0.04%	0.011%
73	7.268	7.264	7.278	VV	135	763	0.02%	0.005%
74	7.296	7.278	7.324	VV	127	2790	0.06%	0.017%
75	7.333	7.324	7.351	VV	206	1795	0.04%	0.011%
76	7.359	7.351	7.364	VV	92	688	0.01%	0.004%
77	7.372	7.364	7.390	VV	135	1300	0.03%	0.008%
78	7.406	7.390	7.429	VV	184	2595	0.05%	0.016%
79	7.435	7.429	7.444	VV	124	835	0.02%	0.005%
80	7.467	7.444	7.514	VV	298	5321	0.11%	0.033%
81	7.521	7.514	7.564	VV	124	2117	0.04%	0.013%
82	7.583	7.564	7.604	VV	134	2316	0.05%	0.014%
83	7.613	7.604	7.637	VV	124	1388	0.03%	0.009%
84	7.651	7.637	7.668	VV	131	1106	0.02%	0.007%
85	7.693	7.668	7.718	VV	165	2554	0.05%	0.016%
86	7.876	7.845	7.911	VV	517	11269	0.23%	0.069%
87	7.921	7.911	7.942	VV	437	5190	0.10%	0.032%
88	7.950	7.942	7.978	VV	170	2846	0.06%	0.017%
89	7.986	7.978	8.001	VV	127	1277	0.03%	0.008%

rteres

90	8.030	8.001	8.084	VV	169	5329	0.11%	0.033%
91	8.118	8.084	8.137	VV	140	2903	0.06%	0.018%
92	8.149	8.137	8.172	VV	152	2226	0.04%	0.014%
93	8.194	8.172	8.207	VV	214	3702	0.07%	0.023%
94	8.233	8.207	8.253	VV	347	7588	0.15%	0.046%
95	8.274	8.253	8.284	VV	296	5012	0.10%	0.031%
96	8.300	8.284	8.321	VV	430	6827	0.14%	0.042%
97	8.335	8.321	8.377	VV	320	5378	0.11%	0.033%
98	8.455	8.377	8.516	VV	272	9788	0.20%	0.060%
99	8.521	8.516	8.551	VV	102	1511	0.03%	0.009%
100	8.567	8.551	8.610	VV	180	3953	0.08%	0.024%
101	8.773	8.758	8.788	VV	199	2962	0.06%	0.018%
102	8.807	8.788	8.891	VV	437	12142	0.24%	0.074%
103	8.897	8.891	8.906	VV	151	1076	0.02%	0.007%
104	8.960	8.906	8.982	VV	287	8524	0.17%	0.052%
105	8.992	8.982	9.008	VV	132	2164	0.04%	0.013%
106	9.056	9.008	9.136	VV	648	18983	0.38%	0.116%
107	9.159	9.136	9.204	VV	311	8803	0.18%	0.054%
108	9.220	9.204	9.283	VV	327	9081	0.18%	0.056%
109	9.294	9.283	9.330	VV	135	2473	0.05%	0.015%
110	9.342	9.330	9.438	VV	114	5158	0.10%	0.032%
111	9.539	9.438	9.641	VV	187	13890	0.28%	0.085%
112	9.665	9.641	9.748	VV	163	6176	0.12%	0.038%
113	9.811	9.748	9.904	VV	23017	248357	4.99%	1.521%
114	9.937	9.904	10.024	VV	351	10008	0.20%	0.061%
115	10.045	10.024	10.096	VV	209	3621	0.07%	0.022%
116	10.114	10.096	10.136	VV	121	1252	0.03%	0.008%
117	10.285	10.136	10.314	PV	1482	22162	0.44%	0.136%
118	10.327	10.314	10.400	VV	214	6853	0.14%	0.042%
119	10.417	10.400	10.451	VV	129	3195	0.06%	0.020%
120	10.468	10.451	10.499	VV	154	2259	0.05%	0.014%
121	10.582	10.499	10.618	VV	220	9288	0.19%	0.057%
122	10.632	10.618	10.651	VV	243	3540	0.07%	0.022%
123	10.677	10.651	10.724	VV	219	6630	0.13%	0.041%
124	10.777	10.724	10.851	VV	343	10541	0.21%	0.065%
125	10.936	10.851	10.984	VV	838	17561	0.35%	0.108%
126	11.009	10.984	11.078	VV	670	13889	0.28%	0.085%
127	11.117	11.078	11.135	VV	126	2772	0.06%	0.017%
128	11.223	11.135	11.284	PV	139	7018	0.14%	0.043%
129	11.312	11.284	11.368	VV	610	11556	0.23%	0.071%
130	11.385	11.368	11.433	VV	394	6550	0.13%	0.040%
131	11.466	11.433	11.504	VV	266	7079	0.14%	0.043%
132	11.543	11.504	11.561	VV	205	3605	0.07%	0.022%
133	11.575	11.561	11.608	VV	191	1996	0.04%	0.012%
134	11.709	11.608	11.758	PV	452708	4980512	100.00%	30.498%
135	11.799	11.758	11.881	VV	1084	23979	0.48%	0.147%
136	11.911	11.881	11.938	VV	126	2375	0.05%	0.015%
137	12.048	11.938	12.076	PV	277	8763	0.18%	0.054%
138	12.144	12.076	12.188	VV	274	7692	0.15%	0.047%
139	12.299	12.188	12.461	VV	29148	438360	8.80%	2.684%
140	12.501	12.461	12.601	VV	605	36006	0.72%	0.220%
141	12.631	12.601	12.671	VV	387	13017	0.26%	0.080%

rteres

142	12.691	12.671	12.714	VV	465	7862	0.16%	0.048%
143	12.757	12.714	12.901	VV	2078	45186	0.91%	0.277%
144	12.954	12.901	13.008	VV	131	6227	0.13%	0.038%
145	13.015	13.008	13.034	VV	108	1416	0.03%	0.009%
146	13.057	13.034	13.076	VV	979	11622	0.23%	0.071%
147	13.141	13.076	13.224	VV	320381	3871435	77.73%	23.706%
148	13.257	13.224	13.284	VV	186	3908	0.08%	0.024%
149	13.311	13.284	13.358	VV	266	7294	0.15%	0.045%
150	13.557	13.358	13.622	VV	1101	67772	1.36%	0.415%
151	13.640	13.622	13.689	VV	636	19255	0.39%	0.118%
152	13.711	13.689	13.727	VV	402	8851	0.18%	0.054%
153	13.748	13.727	13.818	VV	438	17555	0.35%	0.107%
154	13.842	13.818	13.871	VV	1041	16763	0.34%	0.103%
155	13.890	13.871	13.934	VV	438	10458	0.21%	0.064%
156	13.980	13.934	14.001	VV	382	7652	0.15%	0.047%
157	14.022	14.001	14.079	VV	366	8301	0.17%	0.051%
158	14.115	14.079	14.228	VV	211	10091	0.20%	0.062%
159	14.282	14.228	14.304	VV	1017	17260	0.35%	0.106%
160	14.329	14.304	14.358	VV	905	15525	0.31%	0.095%
161	14.383	14.358	14.429	VV	288	7591	0.15%	0.046%
162	14.456	14.429	14.501	VV	403	10594	0.21%	0.065%
163	14.563	14.501	14.599	VV	306	12814	0.26%	0.078%
164	14.622	14.599	14.651	VV	261	4853	0.10%	0.030%
165	14.677	14.651	14.794	VV	365	10407	0.21%	0.064%
166	14.838	14.794	14.904	VV	449	11648	0.23%	0.071%
167	14.934	14.904	14.951	VV	1593	23083	0.46%	0.141%
168	14.975	14.951	15.018	VV	1816	35886	0.72%	0.220%
169	15.040	15.018	15.073	VV	471	8224	0.17%	0.050%
170	15.097	15.073	15.121	VV	227	4693	0.09%	0.029%
171	15.187	15.121	15.213	VV	157	6700	0.13%	0.041%
172	15.248	15.213	15.321	VV	192	8265	0.17%	0.051%
173	15.372	15.321	15.491	VV	21176	306210	6.15%	1.875%
174	15.515	15.491	15.558	VV	1006	19952	0.40%	0.122%
175	15.597	15.558	15.680	VV	1635	28891	0.58%	0.177%
176	15.702	15.680	15.724	VV	90	1541	0.03%	0.009%
177	15.770	15.724	15.808	PV	166	4797	0.10%	0.029%
178	15.835	15.808	15.861	VV	162	3090	0.06%	0.019%
179	15.893	15.861	15.987	PV	633	16909	0.34%	0.104%
180	16.016	15.987	16.061	VV	1114	16885	0.34%	0.103%
181	16.072	16.061	16.124	VV	138	2850	0.06%	0.017%
182	16.156	16.124	16.175	PV	150	2335	0.05%	0.014%
183	16.215	16.175	16.262	PV	142	4807	0.10%	0.029%
184	16.388	16.262	16.440	VV	2198	51072	1.03%	0.313%
185	16.495	16.440	16.554	VV	2229	58003	1.16%	0.355%
186	16.582	16.554	16.608	VV	902	13677	0.27%	0.084%
187	16.632	16.608	16.688	VV	430	10341	0.21%	0.063%
188	16.700	16.688	16.717	VV	158	1675	0.03%	0.010%
189	16.750	16.717	16.791	PV	595	11907	0.24%	0.073%
190	16.814	16.791	16.841	VV	422	5677	0.11%	0.035%
191	16.870	16.841	16.921	VV	1596	21748	0.44%	0.133%
192	16.967	16.921	16.991	PBA	1284	20605	0.41%	0.126%
193	17.018	16.991	17.074	BV	536	10547	0.21%	0.065%
194	17.120	17.074	17.150	PV	105	3523	0.07%	0.022%

rteres

195	17.179	17.150	17.204	PV	138	2435	0.05%	0.015%
196	17.228	17.204	17.274	VV	497	7030	0.14%	0.043%
197	17.331	17.274	17.384	VV	1081	24881	0.50%	0.152%
198	17.416	17.384	17.464	VV	2536	39016	0.78%	0.239%
199	17.502	17.464	17.537	VV	367	7499	0.15%	0.046%
200	17.562	17.537	17.612	VV	171	4557	0.09%	0.028%
201	17.636	17.612	17.654	PV	90	1783	0.04%	0.011%
202	17.701	17.654	17.745	VV	174	4267	0.09%	0.026%
203	17.810	17.745	17.834	VV	1130	22236	0.45%	0.136%
204	17.854	17.834	17.918	VV	1669	24725	0.50%	0.151%
205	17.945	17.918	17.994	PV	699	11468	0.23%	0.070%
206	18.093	17.994	18.161	VV	459	7921	0.16%	0.049%
207	18.212	18.161	18.256	PV	10808	219260	4.40%	1.343%
208	18.280	18.256	18.343	VV	6496	94255	1.89%	0.577%
209	18.373	18.343	18.428	VV	408	10792	0.22%	0.066%
210	18.493	18.428	18.564	VV	2033	35101	0.70%	0.215%
211	18.633	18.564	18.653	VV	500	11942	0.24%	0.073%
212	18.686	18.653	18.741	VV	1960	39248	0.79%	0.240%
213	18.788	18.741	18.831	VV	1036	27665	0.56%	0.169%
214	18.854	18.831	18.881	VV	553	12842	0.26%	0.079%
215	19.041	18.881	19.071	VV	6793	159848	3.21%	0.979%
216	19.092	19.071	19.141	VV	2437	68595	1.38%	0.420%
217	19.169	19.141	19.214	VV	1417	46319	0.93%	0.284%
218	19.227	19.214	19.246	VV	861	14566	0.29%	0.089%
219	19.282	19.246	19.308	VV	928	28888	0.58%	0.177%
220	19.340	19.308	19.362	VV	1017	28476	0.57%	0.174%
221	19.387	19.362	19.421	VV	995	30750	0.62%	0.188%
222	19.474	19.421	19.501	VV	1969	61042	1.23%	0.374%
223	19.578	19.501	19.611	VV	1843	94348	1.89%	0.578%
224	19.652	19.611	19.682	VV	2076	70220	1.41%	0.430%
225	19.720	19.682	19.744	VV	1748	61242	1.23%	0.375%
226	19.770	19.744	19.788	VV	1830	46213	0.93%	0.283%
227	19.847	19.788	19.898	VV	3615	164769	3.31%	1.009%
228	19.948	19.898	19.971	VV	2209	93206	1.87%	0.571%
229	20.072	19.971	20.112	VV	3428	227200	4.56%	1.391%
230	20.214	20.112	20.248	VV	4163	270559	5.43%	1.657%
231	20.380	20.248	20.414	VV	4683	388406	7.80%	2.378%
232	20.538	20.414	20.881	VV	8546	1233694	24.77%	7.554%
233	20.902	20.881	20.941	VV	2884	98998	1.99%	0.606%
234	20.984	20.941	21.025	VV	2869	134582	2.70%	0.824%
235	21.056	21.025	21.069	VV	2494	64791	1.30%	0.397%
236	21.120	21.069	21.141	VV	2518	107376	2.16%	0.658%
237	21.159	21.141	21.241	VV	2482	138100	2.77%	0.846%
238	21.306	21.241	21.344	VV	2188	133439	2.68%	0.817%
239	21.348	21.344	21.377	VV	2538	40045	0.80%	0.245%
240	21.438	21.377	21.481	VV	2056	114848	2.31%	0.703%
241	21.532	21.481	21.581	VV	1651	94761	1.90%	0.580%
242	21.598	21.581	21.688	VV	1481	87144	1.75%	0.534%
243	21.706	21.688	21.743	VV	1268	40399	0.81%	0.247%
244	21.819	21.743	21.928	VV	1202	117661	2.36%	0.720%
245	21.964	21.928	22.018	VV	897	41912	0.84%	0.257%
246	22.052	22.018	22.094	VV	691	30090	0.60%	0.184%

rteres

247	22.105	22.094	22.204	VV	820	25792	0.52%	0.158%
248	22.327	22.204	22.362	VV	214	12053	0.24%	0.074%
249	22.377	22.362	22.401	PBA	70	8479	0.17%	0.052%

Sum of corrected areas: 16330739

Aliphatic EPH 050625.M Wed May 14 03:43:51 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC051325AL\
Data File : FC068848.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 14:31
Operator : YP/AJ
Sample : PB167974BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167974BL

Integration File: autoint1.e
Quant Time: May 14 03:12:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
Quant Title : GC Extractables
QLast Update : Wed May 07 08:52:03 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.709	4495541	39.387 ug/ml
Spiked Amount 50.000		Recovery =	78.77%
12) S 1-chlorooctadecane (S...	13.142	3453231	43.044 ug/ml
Spiked Amount 50.000		Recovery =	86.09%
Target Compounds			

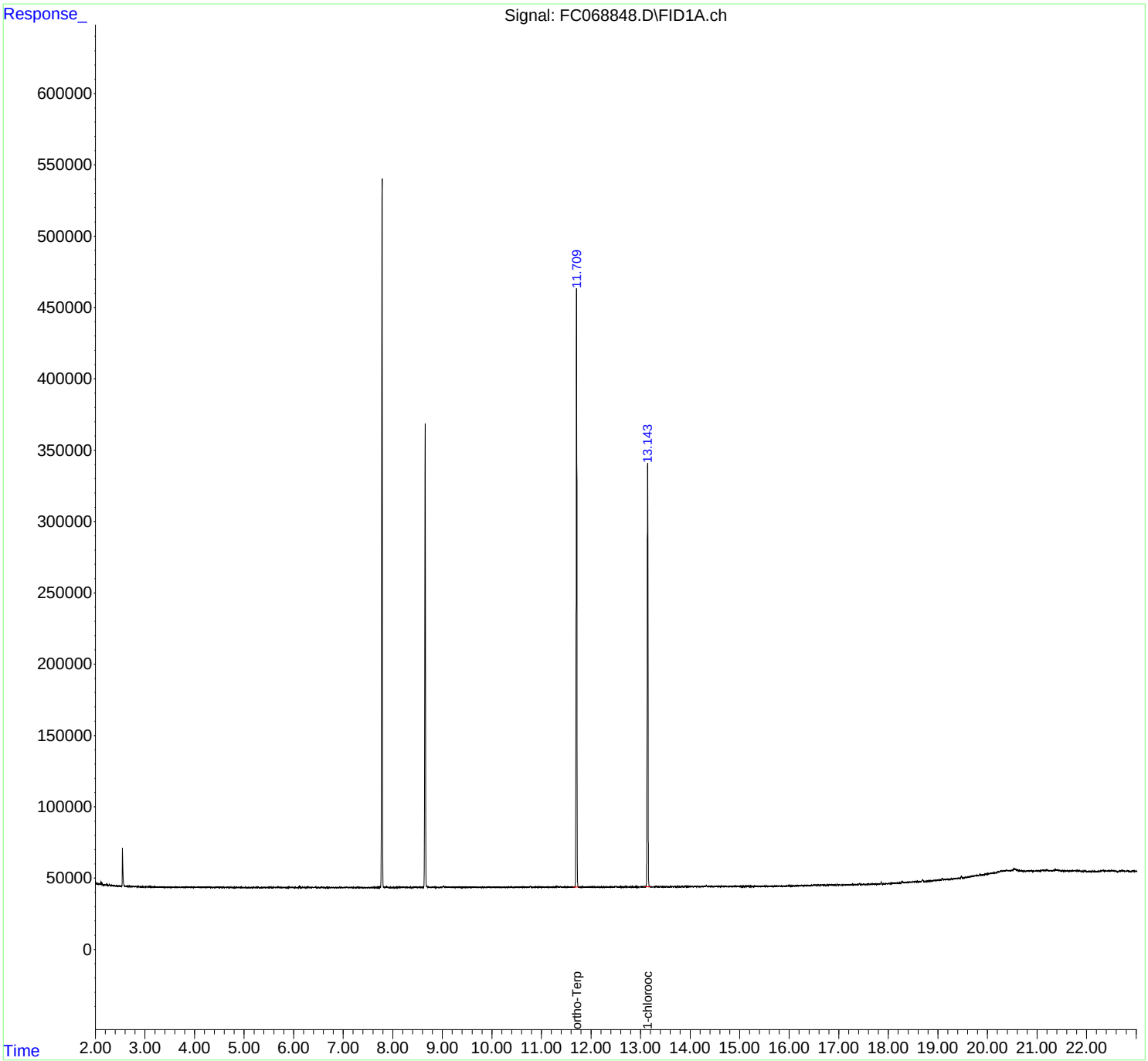
(f)=RT Delta > 1/2 Window (m)=manual int.

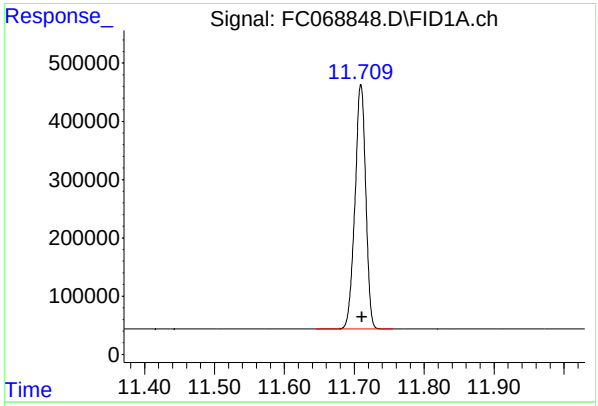
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC051325AL\
Data File : FC068848.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 14:31
Operator : YP/AJ
Sample : PB167974BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167974BL

Integration File: autoint1.e
Quant Time: May 14 03:12:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
Quant Title : GC Extractables
QLast Update : Wed May 07 08:52:03 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

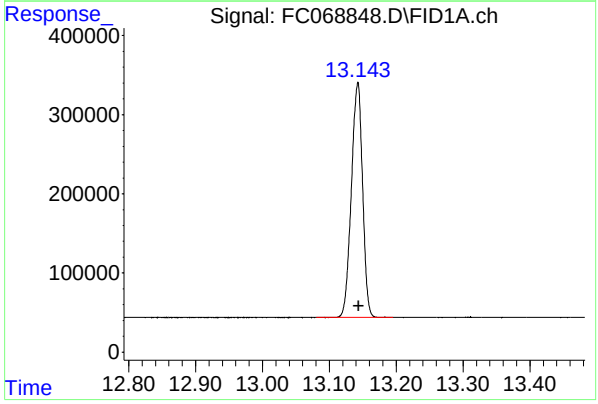




#9 ortho-Terphenyl (SURR)

R.T.: 11.709 min
Delta R.T.: -0.001 min
Response: 4495541
Conc: 39.39 ug/ml

Instrument :
FID_C
ClientSampleId :
PB167974BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.142 min
Delta R.T.: -0.002 min
Response: 3453231
Conc: 43.04 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC051325AL\
Data File : FC068848.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 14:31
Sample : PB167974BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	11.709	11.645	11.755	BB	419408	4495541	100.00%	56.556%
2	13.142	13.080	13.195	BB	295557	3453231	76.81%	43.444%
			Sum of corrected areas:			7948773		

Aliphatic EPH 050625.M Wed May 14 03:36:49 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC051325AL\
Data File : FC068849.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 15:08
Operator : YP/AJ
Sample : PB167974BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167974BS

Integration File: autoint1.e
Quant Time: May 14 03:13:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
Quant Title : GC Extractables
QLast Update : Wed May 07 08:52:03 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9)	S ortho-Terphenyl (SURR)	11.709	4422950	38.751 ug/ml
Spiked Amount	50.000		Recovery =	77.50%
12)	S 1-chlorooctadecane (S...	13.141	3462600	43.161 ug/ml
Spiked Amount	50.000		Recovery =	86.32%
	Target Compounds			
1)	T n-Nonane (C9)	3.449	4609115	45.825 ug/ml
2)	T n-Decane (C10)	4.521	4881416	48.990 ug/ml
3)	T A~Naphthalene (C11.7)	6.115	5700780	51.702 ug/ml
4)	T n-Dodecane (C12)	6.542	5007738	51.532 ug/ml
5)	T A~2-methylnaphthalene...	7.173	5256962	48.978 ug/ml
6)	T n-Tetradecane (C14)	8.341	5232492	56.614 ug/ml
7)	T n-Hexadecane (C16)	9.943	5302293	59.214 ug/ml
8)	T n-Octadecane (C18)	11.386	5266443	60.038 ug/ml
10)	T n-Eicosane (C20)	12.697	5365249	62.959 ug/ml
11)	T n-Heneicosane (C21)	13.309	5128884	60.808 ug/ml
13)	T n-Docosane (C22)	13.894	5091739	60.864 ug/ml
14)	T n-Tetracosane (C24)	14.994	10476547	125.910 ug/ml
15)	T n-Hexacosane (C26)	16.022	4981305	60.122 ug/ml
16)	T n-Octacosane (C28)	16.972	5030760	60.871 ug/ml
17)	T n-Tricontane (C30)	17.862	5015132	59.272 ug/ml
18)	T n-Dotriacontane (C32)	18.693	4992234	57.958 ug/ml
19)	T n-Tetratriacontane (C34)	19.478	5073106	59.543 ug/ml
20)	T n-Hexatriacontane (C36)	20.218	4904532	57.064 ug/ml
21)	T n-Octatriacontane (C38)	20.992	4883801	58.221 ug/ml
22)	T n-Tetracontane (C40)	21.968	4876617	59.503 ug/ml

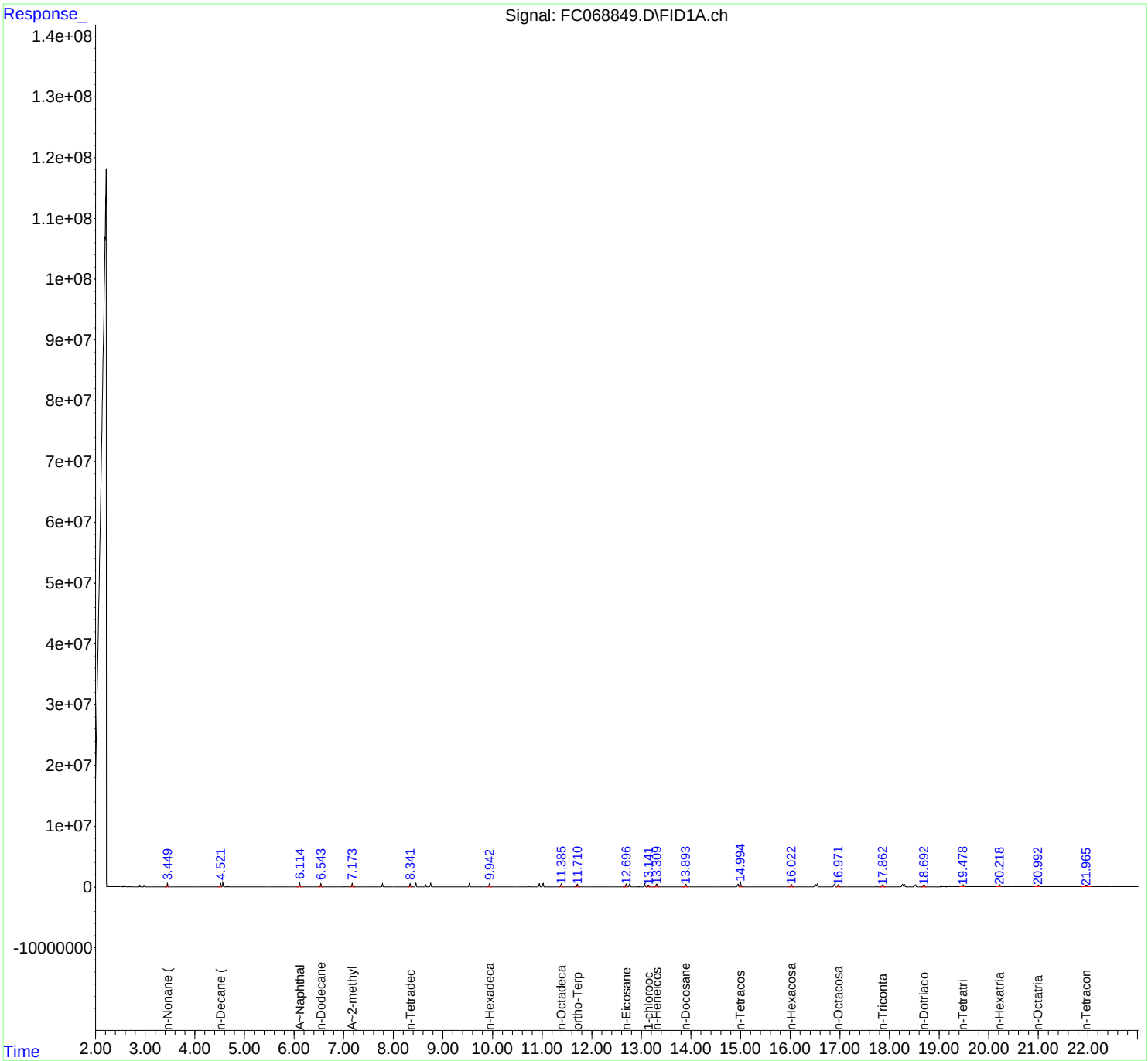
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC051325AL\
Data File : FC068849.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 15:08
Operator : YP/AJ
Sample : PB167974BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167974BS

Integration File: autoint1.e
Quant Time: May 14 03:13:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
Quant Title : GC Extractables
QLast Update : Wed May 07 08:52:03 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC051325AL\
Data File : FC068849.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 15:08
Sample : PB167974BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.449	3.395	3.487	BB	551698	4609115	43.99%	2.303%
2	4.521	4.467	4.543	BV	553684	4881416	46.59%	2.439%
3	4.566	4.543	4.609	VV	608418	5334410	50.92%	2.665%
4	6.115	6.050	6.180	BB	621326	5700780	54.41%	2.848%
5	6.542	6.484	6.589	BB	511178	5007738	47.80%	2.502%
6	7.173	7.130	7.234	BB	550654	5256962	50.18%	2.626%
7	8.341	8.285	8.382	BB	523160	5232492	49.94%	2.614%
8	8.458	8.390	8.499	BB	607020	5888427	56.21%	2.942%
9	8.756	8.707	8.792	BB	597468	5929615	56.60%	2.962%
10	9.540	9.474	9.604	BB	589016	6030111	57.56%	3.013%
11	9.943	9.875	9.994	BB	489092	5302293	50.61%	2.649%
12	10.945	10.859	10.984	BV	526457	5800726	55.37%	2.898%
13	11.021	10.984	11.075	VV	545601	5707012	54.47%	2.851%
14	11.386	11.340	11.427	BB	448874	5266443	50.27%	2.631%
15	11.709	11.652	11.757	BB	405649	4422950	42.22%	2.210%
16	12.697	12.627	12.728	BV	446910	5365249	51.21%	2.680%
17	12.767	12.728	12.815	PB	481796	5710742	54.51%	2.853%
18	13.067	12.994	13.095	BV	498441	5590573	53.36%	2.793%
19	13.141	13.095	13.197	VB	288053	3462600	33.05%	1.730%
20	13.309	13.237	13.359	BB	434213	5128884	48.96%	2.562%
21	13.894	13.827	13.944	BB	415017	5091739	48.60%	2.544%
22	14.947	14.880	14.966	BV	431382	5526870	52.75%	2.761%
23	14.994	14.966	15.054	VB	797239	10476547	100.00%	5.234%
24	16.022	15.959	16.069	BB	389670	4981305	47.55%	2.489%
25	16.507	16.424	16.523	BV	381431	5712243	54.52%	2.854%
26	16.543	16.523	16.602	VB	470832	5659179	54.02%	2.827%
27	16.890	16.812	16.930	BV	407759	5494864	52.45%	2.745%
28	16.972	16.930	17.015	VB	365362	5030760	48.02%	2.513%
29	17.862	17.795	17.917	BB	354188	5015132	47.87%	2.506%
30	18.265	18.177	18.279	BV	374989	5872345	56.05%	2.934%
31	18.302	18.279	18.370	VB	395399	5367208	51.23%	2.681%
32	18.522	18.439	18.567	BB	354842	5576394	53.23%	2.786%
33	18.693	18.627	18.742	BB	349328	4992234	47.65%	2.494%
34	19.478	19.407	19.525	BB	349828	5073106	48.42%	2.534%
35	20.218	20.150	20.260	BB	338942	4904532	46.81%	2.450%

Page 1

rteres

36	20.992	20.910	21.039	BB	274878	4883801	46.62%	2.440%
37	21.968	21.870	22.062	BB	189404	4876617	46.55%	2.436%

Sum of corrected areas: 200163412

Aliphatic EPH 050625.M Wed May 14 03:37:58 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC051325AL\
Data File : FC068850.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 15:46
Operator : YP/AJ
Sample : PB167974BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167974BSD

Integration File: autoint1.e
Quant Time: May 14 03:13:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
Quant Title : GC Extractables
QLast Update : Wed May 07 08:52:03 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9)	S ortho-Terphenyl (SURR)	11.710	4358963	38.190 ug/ml
Spiked Amount	50.000		Recovery =	76.38%
12)	S 1-chlorooctadecane (S...	13.141	3420285	42.633 ug/ml
Spiked Amount	50.000		Recovery =	85.27%
	Target Compounds			
1)	T n-Nonane (C9)	3.450	4644219	46.174 ug/ml
2)	T n-Decane (C10)	4.521	4906571	49.242 ug/ml
3)	T A~Naphthalene (C11.7)	6.115	5674741	51.466 ug/ml
4)	T n-Dodecane (C12)	6.543	4989369	51.343 ug/ml
5)	T A~2-methylnaphthalene...	7.173	5214519	48.583 ug/ml
6)	T n-Tetradecane (C14)	8.341	5173808	55.979 ug/ml
7)	T n-Hexadecane (C16)	9.943	5228995	58.396 ug/ml
8)	T n-Octadecane (C18)	11.386	5195780	59.233 ug/ml
10)	T n-Eicosane (C20)	12.696	5295180	62.137 ug/ml
11)	T n-Heneicosane (C21)	13.308	5063729	60.036 ug/ml
13)	T n-Docosane (C22)	13.896	5027362	60.094 ug/ml
14)	T n-Tetracosane (C24)	14.994	10362672	124.541 ug/ml
15)	T n-Hexacosane (C26)	16.023	4923519	59.424 ug/ml
16)	T n-Octacosane (C28)	16.972	4966626	60.095 ug/ml
17)	T n-Tricontane (C30)	17.862	4947948	58.478 ug/ml
18)	T n-Dotriacontane (C32)	18.695	4928684	57.220 ug/ml
19)	T n-Tetratriacontane (C34)	19.478	5007147	58.769 ug/ml
20)	T n-Hexatriacontane (C36)	20.218	4852149	56.454 ug/ml
21)	T n-Octatriacontane (C38)	20.992	4848446	57.800 ug/ml
22)	T n-Tetracontane (C40)	21.968	4842928	59.092 ug/ml

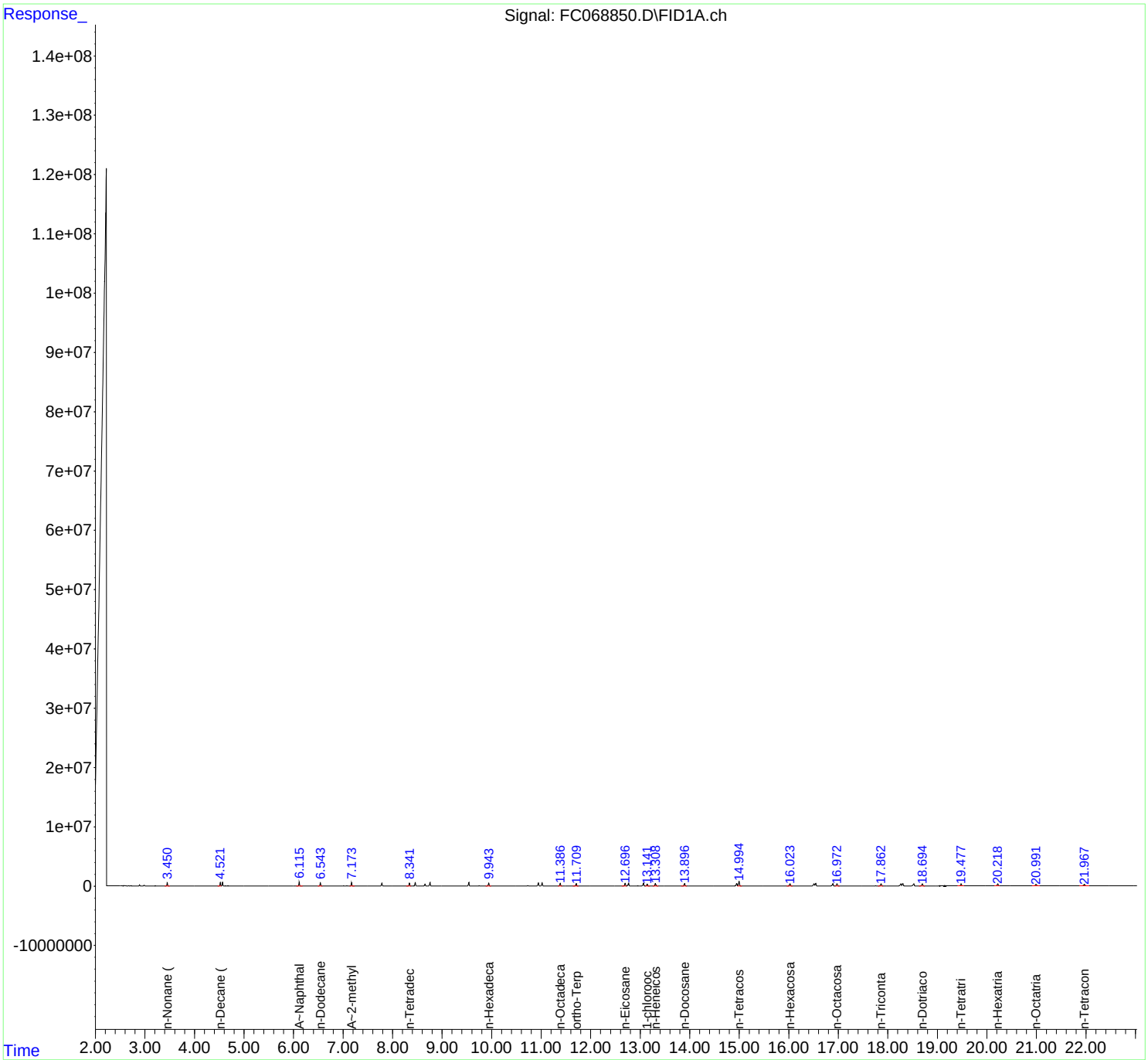
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC051325AL\
Data File : FC068850.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 15:46
Operator : YP/AJ
Sample : PB167974BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167974BSD

Integration File: autoint1.e
Quant Time: May 14 03:13:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
Quant Title : GC Extractables
QLast Update : Wed May 07 08:52:03 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC051325AL\
Data File : FC068850.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 15:46
Sample : PB167974BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.450	3.397	3.502	BB	564756	4644219	44.82%	2.342%
2	4.521	4.465	4.544	BV	553191	4906571	47.35%	2.475%
3	4.566	4.544	4.608	VV	613680	5348680	51.61%	2.698%
4	6.115	6.052	6.180	BB	634448	5674741	54.76%	2.862%
5	6.543	6.487	6.580	BB	524922	4989369	48.15%	2.516%
6	7.173	7.130	7.233	BB	554394	5214519	50.32%	2.630%
7	8.341	8.273	8.375	BB	490584	5173808	49.93%	2.609%
8	8.459	8.403	8.498	BB	578717	5814665	56.11%	2.933%
9	8.757	8.707	8.793	BB	603018	5851788	56.47%	2.951%
10	9.540	9.473	9.603	BB	591674	5956476	57.48%	3.004%
11	9.943	9.875	9.992	BB	489438	5228995	50.46%	2.637%
12	10.945	10.860	10.980	BV	530148	5732966	55.32%	2.891%
13	11.021	10.980	11.075	VV	527324	5653207	54.55%	2.851%
14	11.386	11.340	11.423	BB	448245	5195780	50.14%	2.620%
15	11.710	11.640	11.753	BB	395275	4358963	42.06%	2.198%
16	12.696	12.627	12.728	BV	443602	5295180	51.10%	2.671%
17	12.768	12.728	12.813	VB	489538	5635735	54.38%	2.842%
18	13.067	12.993	13.095	BV	489325	5519161	53.26%	2.784%
19	13.141	13.095	13.197	VB	298702	3420285	33.01%	1.725%
20	13.308	13.250	13.363	BB	422921	5063729	48.87%	2.554%
21	13.896	13.827	13.940	BB	418755	5027362	48.51%	2.535%
22	14.946	14.873	14.966	BV	404949	5481552	52.90%	2.765%
23	14.994	14.966	15.055	VB	787026	10362672	100.00%	5.226%
24	16.023	15.957	16.077	BB	374034	4923519	47.51%	2.483%
25	16.507	16.435	16.522	BV	365759	5607800	54.12%	2.828%
26	16.543	16.522	16.613	VB	444963	5620929	54.24%	2.835%
27	16.889	16.813	16.932	BV	418001	5435158	52.45%	2.741%
28	16.972	16.932	17.025	VB	375603	4966626	47.93%	2.505%
29	17.862	17.797	17.903	BB	365249	4947948	47.75%	2.495%
30	18.264	18.178	18.278	BV	369347	5807301	56.04%	2.929%
31	18.302	18.278	18.372	VB	411706	5410807	52.21%	2.729%
32	18.524	18.438	18.585	BB	371865	5531114	53.38%	2.790%
33	18.695	18.628	18.748	BB	360151	4928684	47.56%	2.486%
34	19.478	19.407	19.535	BB	350295	5007147	48.32%	2.525%
35	20.218	20.150	20.255	BB	332000	4852149	46.82%	2.447%
36	20.992	20.910	21.068	BB	263462	4848446	46.79%	2.445%

rteres
37 21.968 21.865 22.065 BB 200133 4842928 46.73% 2.442%
Sum of corrected areas: 198280978

Aliphatic EPH 050625.M Wed May 14 03:39:21 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC051325AL\
Data File : FC068853.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 17:41
Operator : YP/AJ
Sample : Q1987-01MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
GC1MS

Integration File: autoint1.e
Quant Time: May 14 03:13:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
Quant Title : GC Extractables
QLast Update : Wed May 07 08:52:03 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9)	S ortho-Terphenyl (SURR)	11.709	3646047	31.944 ug/ml
	Spiked Amount 50.000		Recovery = 63.89%	
12)	S 1-chlorooctadecane (S...	13.141	2889403	36.016 ug/ml
	Spiked Amount 50.000		Recovery = 72.03%	
	Target Compounds			
1)	T n-Nonane (C9)	3.445	3824941	38.029 ug/ml
2)	T n-Decane (C10)	4.519	4387774	44.036 ug/ml
3)	T A~Naphthalene (C11.7)	6.114	5314897	48.203 ug/ml
4)	T n-Dodecane (C12)	6.542	4714507	48.514 ug/ml
5)	T A~2-methylnaphthalene...	7.173	4980650	46.404 ug/ml
6)	T n-Tetradecane (C14)	8.341	4959775	53.663 ug/ml
7)	T n-Hexadecane (C16)	9.943	5178939	57.837 ug/ml
8)	T n-Octadecane (C18)	11.386	5268092	60.057 ug/ml
10)	T n-Eicosane (C20)	12.697	5445200	63.897 ug/ml
11)	T n-Heneicosane (C21)	13.309	5234271	62.058 ug/ml
13)	T n-Docosane (C22)	13.896	5224478	62.450 ug/ml
14)	T n-Tetracosane (C24)	14.994	10677355	128.323 ug/ml
15)	T n-Hexacosane (C26)	16.023	5125223	61.859 ug/ml
16)	T n-Octacosane (C28)	16.972	5142575	62.224 ug/ml
17)	T n-Tricontane (C30)	17.862	5107177	60.360 ug/ml
18)	T n-Dotriacontane (C32)	18.694	5069289	58.852 ug/ml
19)	T n-Tetratriacontane (C34)	19.478	5124982	60.152 ug/ml
20)	T n-Hexatriacontane (C36)	20.218	4985804	58.009 ug/ml
21)	T n-Octatriacontane (C38)	20.993	5006508	59.684 ug/ml
22)	T n-Tetracontane (C40)	21.969	5044507	61.552 ug/ml

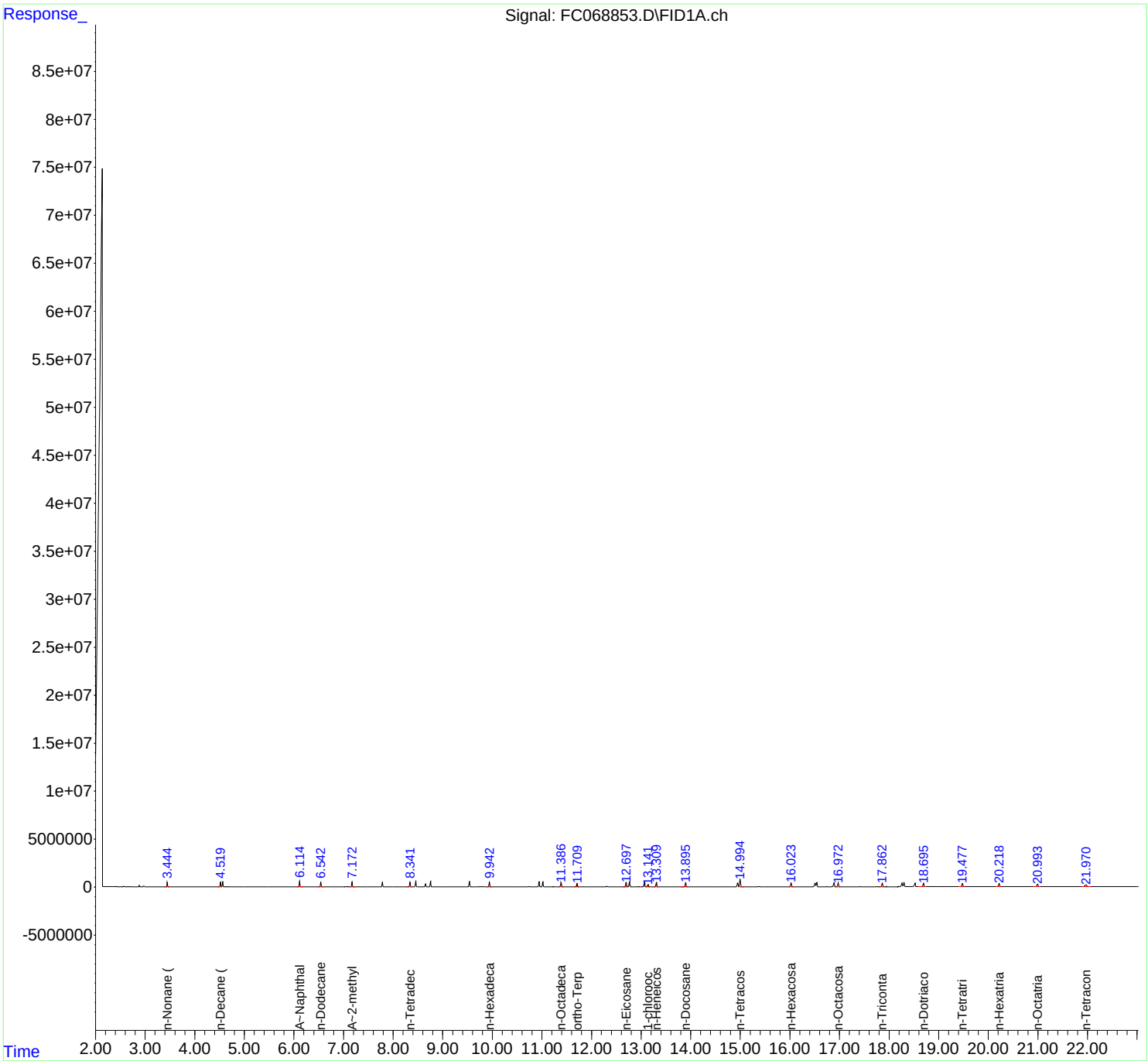
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC051325AL\
Data File : FC068853.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 17:41
Operator : YP/AJ
Sample : Q1987-01MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
GC1MS

Integration File: autoint1.e
Quant Time: May 14 03:13:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
Quant Title : GC Extractables
QLast Update : Wed May 07 08:52:03 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC051325AL\
Data File : FC068853.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 17:41
Sample : Q1987-01MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.342	3.304	3.390	PV	348	7016	0.07%	0.003%
2	3.401	3.390	3.409	PV	119	597	0.01%	0.000%
3	3.445	3.409	3.525	VV	471034	3829376	35.83%	1.879%
4	3.572	3.525	3.613	PV	281	6347	0.06%	0.003%
5	3.627	3.613	3.641	VV	242	2910	0.03%	0.001%
6	3.648	3.641	3.677	VV	325	3285	0.03%	0.002%
7	3.693	3.677	3.704	PV	215	2505	0.02%	0.001%
8	3.738	3.704	3.795	VV	1250	21843	0.20%	0.011%
9	3.830	3.795	3.879	VV	452	8339	0.08%	0.004%
10	3.886	3.879	3.904	VV	128	875	0.01%	0.000%
11	3.943	3.904	3.984	VV	450	9161	0.09%	0.004%
12	3.990	3.984	4.004	VV	165	847	0.01%	0.000%
13	4.026	4.004	4.048	PV	308	3895	0.04%	0.002%
14	4.061	4.048	4.072	VV	109	783	0.01%	0.000%
15	4.090	4.072	4.108	VV	1199	10087	0.09%	0.005%
16	4.124	4.108	4.171	VV	258	4706	0.04%	0.002%
17	4.182	4.171	4.201	VV	76	1018	0.01%	0.000%
18	4.213	4.201	4.244	VV	103	1144	0.01%	0.001%
19	4.284	4.244	4.334	PV	561	9151	0.09%	0.004%
20	4.360	4.334	4.388	VV	166	4000	0.04%	0.002%
21	4.431	4.388	4.468	VV	149	4272	0.04%	0.002%
22	4.519	4.468	4.541	VV	482783	4392120	41.10%	2.155%
23	4.564	4.541	4.607	VV	542639	4754945	44.49%	2.333%
24	4.625	4.607	4.647	VV	4865	46337	0.43%	0.023%
25	4.671	4.647	4.737	VV	8449	80265	0.75%	0.039%
26	4.772	4.737	4.791	VV	268	4444	0.04%	0.002%
27	4.804	4.791	4.840	VV	256	4598	0.04%	0.002%
28	4.853	4.840	4.864	VV	188	1960	0.02%	0.001%
29	4.875	4.864	4.920	VV	169	4097	0.04%	0.002%
30	4.933	4.920	4.961	VV	180	2616	0.02%	0.001%
31	4.999	4.961	5.044	PV	148	4023	0.04%	0.002%
32	5.068	5.044	5.081	VV	116	1337	0.01%	0.001%
33	5.110	5.081	5.133	PV	152	2967	0.03%	0.001%
34	5.157	5.133	5.174	VV	271	2961	0.03%	0.001%
35	5.187	5.174	5.197	VV	127	1078	0.01%	0.001%
36	5.213	5.197	5.253	VV	168	2807	0.03%	0.001%

rteres

37	5.267	5.253	5.304	VV	70	1392	0.01%	0.001%
38	5.315	5.304	5.345	VV	61	657	0.01%	0.000%
39	5.375	5.345	5.399	VV	407	4077	0.04%	0.002%
40	5.446	5.399	5.479	VV	120	2434	0.02%	0.001%
41	5.490	5.479	5.504	VV	73	872	0.01%	0.000%
42	5.557	5.504	5.569	VV	1379	14488	0.14%	0.007%
43	5.582	5.569	5.640	VV	1771	20475	0.19%	0.010%
44	5.649	5.640	5.675	VV	166	2367	0.02%	0.001%
45	5.684	5.675	5.695	VV	108	850	0.01%	0.000%
46	5.721	5.695	5.784	VV	148	3881	0.04%	0.002%
47	5.802	5.784	5.818	VV	92	1161	0.01%	0.001%
48	5.864	5.818	5.878	VV	132	2567	0.02%	0.001%
49	5.906	5.878	5.928	VV	178	2365	0.02%	0.001%
50	5.969	5.928	5.988	VV	123	2045	0.02%	0.001%
51	5.991	5.988	5.998	VV	97	361	0.00%	0.000%
52	6.016	5.998	6.047	PV	91	1623	0.02%	0.001%
53	6.068	6.047	6.080	VV	302	3504	0.03%	0.002%
54	6.114	6.080	6.149	VV	590559	5317705	49.76%	2.609%
55	6.158	6.149	6.180	VV	733	9304	0.09%	0.005%
56	6.194	6.180	6.228	VV	411	7532	0.07%	0.004%
57	6.256	6.228	6.314	VV	344	10451	0.10%	0.005%
58	6.387	6.314	6.474	VV	506	17700	0.17%	0.009%
59	6.542	6.474	6.587	VV	481243	4721413	44.18%	2.317%
60	6.610	6.587	6.669	VV	1013	13969	0.13%	0.007%
61	6.689	6.669	6.761	VV	476	7396	0.07%	0.004%
62	6.830	6.761	6.847	VV	219	5696	0.05%	0.003%
63	6.865	6.847	6.889	VV	129	2353	0.02%	0.001%
64	6.903	6.889	6.918	VV	114	1057	0.01%	0.001%
65	6.936	6.918	6.946	VV	322	3721	0.03%	0.002%
66	6.961	6.946	6.978	VV	404	4580	0.04%	0.002%
67	7.012	6.978	7.050	VV	5801	55110	0.52%	0.027%
68	7.078	7.050	7.127	VV	13580	131478	1.23%	0.065%
69	7.173	7.127	7.251	VV	496881	4990493	46.70%	2.449%
70	7.268	7.251	7.288	VV	257	3952	0.04%	0.002%
71	7.309	7.288	7.340	VV	1599	23200	0.22%	0.011%
72	7.361	7.340	7.377	VV	2635	31374	0.29%	0.015%
73	7.387	7.377	7.409	VV	1323	14154	0.13%	0.007%
74	7.438	7.409	7.450	VV	1134	13803	0.13%	0.007%
75	7.465	7.450	7.488	VV	1360	15463	0.14%	0.008%
76	7.511	7.488	7.522	VV	429	5537	0.05%	0.003%
77	7.531	7.522	7.547	VV	417	4973	0.05%	0.002%
78	7.560	7.547	7.581	VV	392	4418	0.04%	0.002%
79	7.644	7.581	7.667	VV	646	10109	0.09%	0.005%
80	7.685	7.667	7.730	VV	313	6539	0.06%	0.003%
81	7.877	7.850	7.907	VV	548	11241	0.11%	0.006%
82	7.921	7.907	7.982	VV	434	8074	0.08%	0.004%
83	8.033	7.982	8.068	VV	613	10503	0.10%	0.005%
84	8.090	8.068	8.132	VV	458	7663	0.07%	0.004%
85	8.150	8.132	8.164	VV	222	2772	0.03%	0.001%
86	8.251	8.164	8.291	VV	377	20041	0.19%	0.010%
87	8.341	8.291	8.388	VV	478577	4967087	46.48%	2.437%
88	8.397	8.388	8.411	VV	179	1688	0.02%	0.001%
89	8.458	8.411	8.501	VV	574001	5636895	52.75%	2.766%

rteres

90	8.508	8.501	8.521	VV	210	2425	0.02%	0.001%
91	8.528	8.521	8.551	VV	213	3342	0.03%	0.002%
92	8.567	8.551	8.615	VV	236	5774	0.05%	0.003%
93	8.756	8.719	8.791	VV	559530	5701517	53.35%	2.797%
94	8.807	8.791	8.856	VV	428	8388	0.08%	0.004%
95	8.874	8.856	8.928	VV	184	3339	0.03%	0.002%
96	8.958	8.928	9.004	VV	235	6375	0.06%	0.003%
97	9.023	9.004	9.038	VV	836	10147	0.09%	0.005%
98	9.055	9.038	9.133	VV	704	14336	0.13%	0.007%
99	9.159	9.133	9.209	VV	647	9881	0.09%	0.005%
100	9.220	9.209	9.271	VV	104	2060	0.02%	0.001%
101	9.345	9.271	9.385	PV	150	4821	0.05%	0.002%
102	9.396	9.385	9.444	VV	229	4447	0.04%	0.002%
103	9.460	9.444	9.476	VV	249	2873	0.03%	0.001%
104	9.540	9.476	9.569	VV	566353	5879684	55.02%	2.885%
105	9.578	9.569	9.600	VV	690	8605	0.08%	0.004%
106	9.612	9.600	9.657	VV	274	6147	0.06%	0.003%
107	9.679	9.657	9.694	VV	493	7489	0.07%	0.004%
108	9.716	9.694	9.731	VV	2274	30128	0.28%	0.015%
109	9.750	9.731	9.788	VV	8879	96618	0.90%	0.047%
110	9.811	9.788	9.860	VV	21332	226114	2.12%	0.111%
111	9.875	9.860	9.904	VV	585	7659	0.07%	0.004%
112	9.943	9.904	9.992	VV	475254	5180441	48.47%	2.542%
113	10.005	9.992	10.013	VV	123	1522	0.01%	0.001%
114	10.032	10.013	10.065	VV	348	5889	0.06%	0.003%
115	10.078	10.065	10.111	PV	141	1528	0.01%	0.001%
116	10.123	10.111	10.138	VV	96	1037	0.01%	0.001%
117	10.141	10.138	10.196	VV	88	2024	0.02%	0.001%
118	10.223	10.196	10.260	VV	207	3336	0.03%	0.002%
119	10.285	10.260	10.309	VV	1356	15252	0.14%	0.007%
120	10.330	10.309	10.342	PV	149	1941	0.02%	0.001%
121	10.380	10.342	10.432	VV	223	6097	0.06%	0.003%
122	10.463	10.432	10.528	VV	240	6559	0.06%	0.003%
123	10.539	10.528	10.562	VV	130	2000	0.02%	0.001%
124	10.585	10.562	10.623	VV	178	5435	0.05%	0.003%
125	10.675	10.623	10.703	VV	939	16170	0.15%	0.008%
126	10.730	10.703	10.858	VV	11789	174778	1.64%	0.086%
127	10.945	10.858	10.981	PV	538936	5853051	54.77%	2.872%
128	11.021	10.981	11.071	VV	540765	5774777	54.04%	2.833%
129	11.093	11.071	11.138	VV	963	16641	0.16%	0.008%
130	11.186	11.138	11.202	VV	1099	16388	0.15%	0.008%
131	11.222	11.202	11.255	VV	3956	43635	0.41%	0.021%
132	11.278	11.255	11.287	VV	140	1887	0.02%	0.001%
133	11.313	11.287	11.338	VV	426	6593	0.06%	0.003%
134	11.386	11.338	11.440	VV	463446	5274814	49.36%	2.588%
135	11.461	11.440	11.514	VV	307	7982	0.07%	0.004%
136	11.545	11.514	11.566	VV	221	3938	0.04%	0.002%
137	11.575	11.566	11.608	VV	165	2433	0.02%	0.001%
138	11.635	11.608	11.655	PV	125	1684	0.02%	0.001%
139	11.709	11.655	11.760	VV	346156	3649547	34.15%	1.791%
140	11.798	11.760	11.821	VV	1089	17474	0.16%	0.009%
141	11.838	11.821	11.854	VV	1058	12980	0.12%	0.006%

rteres

142	11.868	11.854	11.905	VV	1097	18749	0.18%	0.009%
143	11.918	11.905	11.950	VV	549	7610	0.07%	0.004%
144	11.987	11.950	12.020	VV	394	7156	0.07%	0.004%
145	12.054	12.020	12.079	VV	305	6297	0.06%	0.003%
146	12.097	12.079	12.119	VV	256	4430	0.04%	0.002%
147	12.144	12.119	12.188	VV	278	4918	0.05%	0.002%
148	12.216	12.188	12.224	VV	142	1914	0.02%	0.001%
149	12.232	12.224	12.241	VV	113	871	0.01%	0.000%
150	12.300	12.241	12.372	VV	28776	368894	3.45%	0.181%
151	12.387	12.372	12.463	VV	1293	47651	0.45%	0.023%
152	12.536	12.463	12.610	VV	2677	77261	0.72%	0.038%
153	12.639	12.610	12.661	VV	591	13144	0.12%	0.006%
154	12.697	12.661	12.729	VV	459992	5461290	51.10%	2.680%
155	12.767	12.729	12.832	VV	503811	5877604	55.00%	2.884%
156	12.893	12.832	12.921	VV	195	7537	0.07%	0.004%
157	12.947	12.921	13.028	VV	6081	77759	0.73%	0.038%
158	13.067	13.028	13.094	VV	479913	5732477	53.64%	2.813%
159	13.141	13.094	13.208	VV	234946	2899610	27.13%	1.423%
160	13.252	13.208	13.270	VV	380	8386	0.08%	0.004%
161	13.309	13.270	13.383	VV	443800	5243612	49.07%	2.573%
162	13.400	13.383	13.462	VV	259	7816	0.07%	0.004%
163	13.504	13.462	13.523	VV	416	11423	0.11%	0.006%
164	13.561	13.523	13.630	VV	926	43862	0.41%	0.022%
165	13.649	13.630	13.664	VV	641	11265	0.11%	0.006%
166	13.684	13.664	13.704	VV	834	14747	0.14%	0.007%
167	13.736	13.704	13.781	VV	1006	24601	0.23%	0.012%
168	13.796	13.781	13.814	VV	378	6061	0.06%	0.003%
169	13.844	13.814	13.857	VV	947	14845	0.14%	0.007%
170	13.896	13.857	13.997	VV	426901	5236263	49.00%	2.569%
171	14.019	13.997	14.050	VV	411	7825	0.07%	0.004%
172	14.070	14.050	14.100	VV	632	9918	0.09%	0.005%
173	14.114	14.100	14.135	VV	203	3499	0.03%	0.002%
174	14.141	14.135	14.194	VV	158	3562	0.03%	0.002%
175	14.200	14.194	14.211	VV	84	807	0.01%	0.000%
176	14.218	14.211	14.240	VV	142	1808	0.02%	0.001%
177	14.283	14.240	14.308	VV	993	16447	0.15%	0.008%
178	14.330	14.308	14.351	VV	764	11149	0.10%	0.005%
179	14.368	14.351	14.415	VV	249	7279	0.07%	0.004%
180	14.420	14.415	14.429	VV	130	1053	0.01%	0.001%
181	14.459	14.429	14.505	VV	470	10741	0.10%	0.005%
182	14.559	14.505	14.606	VV	317	10805	0.10%	0.005%
183	14.626	14.606	14.642	VV	216	2745	0.03%	0.001%
184	14.678	14.642	14.731	VV	414	8325	0.08%	0.004%
185	14.742	14.731	14.764	VV	165	1910	0.02%	0.001%
186	14.770	14.764	14.794	VV	127	1364	0.01%	0.001%
187	14.837	14.794	14.878	VV	438	9678	0.09%	0.005%
188	14.947	14.878	14.966	VV	408260	5625419	52.64%	2.760%
189	14.994	14.966	15.065	VV	783996	10687044	100.00%	5.244%
190	15.077	15.065	15.151	VV	300	9835	0.09%	0.005%
191	15.172	15.151	15.222	VV	1675	24251	0.23%	0.012%
192	15.283	15.222	15.321	VV	170	6168	0.06%	0.003%
193	15.373	15.321	15.488	VV	19709	280795	2.63%	0.138%
194	15.516	15.488	15.555	VV	1468	25893	0.24%	0.013%

rteres

195	15.597	15.555	15.628	VV	1388	22122	0.21%	0.011%
196	15.642	15.628	15.668	VV	210	2795	0.03%	0.001%
197	15.692	15.668	15.708	VV	150	2185	0.02%	0.001%
198	15.722	15.708	15.768	VV	127	4305	0.04%	0.002%
199	15.781	15.768	15.805	VV	231	3023	0.03%	0.001%
200	15.850	15.805	15.872	VV	1074	15710	0.15%	0.008%
201	15.894	15.872	15.954	VV	605	15086	0.14%	0.007%
202	16.023	15.954	16.068	VV	406066	5136023	48.06%	2.520%
203	16.074	16.068	16.128	VV	208	4860	0.05%	0.002%
204	16.158	16.128	16.167	PV	143	2286	0.02%	0.001%
205	16.189	16.167	16.203	VV	455	6433	0.06%	0.003%
206	16.225	16.203	16.274	VV	866	13729	0.13%	0.007%
207	16.326	16.274	16.339	PV	382	7360	0.07%	0.004%
208	16.358	16.339	16.366	VV	718	8354	0.08%	0.004%
209	16.388	16.366	16.428	VV	1855	32928	0.31%	0.016%
210	16.507	16.428	16.522	VV	371317	5760571	53.90%	2.826%
211	16.542	16.522	16.570	VV	457965	5659214	52.95%	2.777%
212	16.582	16.570	16.611	VV	1418	21057	0.20%	0.010%
213	16.629	16.611	16.661	VV	485	9425	0.09%	0.005%
214	16.690	16.661	16.720	VV	219	5402	0.05%	0.003%
215	16.748	16.720	16.784	PV	3231	40987	0.38%	0.020%
216	16.817	16.784	16.836	VV	354	6109	0.06%	0.003%
217	16.889	16.836	16.918	PV	428979	5481035	51.29%	2.689%
218	16.972	16.918	16.991	PBA	361886	4537531	42.46%	2.226%
219	17.019	16.991	17.091	BV	-18208	-721358	-6.75%	-0.354%
220	17.104	17.091	17.151	PV	104	2363	0.02%	0.001%
221	17.254	17.151	17.281	PV	224	11998	0.11%	0.006%
222	17.333	17.281	17.379	VV	1050	24432	0.23%	0.012%
223	17.418	17.379	17.458	VV	2347	38144	0.36%	0.019%
224	17.504	17.458	17.544	VV	214	7055	0.07%	0.003%
225	17.571	17.544	17.621	VV	219	5197	0.05%	0.003%
226	17.645	17.621	17.678	PV	186	3878	0.04%	0.002%
227	17.749	17.678	17.788	PV	4189	68081	0.64%	0.033%
228	17.861	17.788	17.915	VV	377512	5118618	47.90%	2.511%
229	17.948	17.915	17.988	VV	738	11065	0.10%	0.005%
230	18.101	17.988	18.128	PV	287	7028	0.07%	0.003%
231	18.262	18.128	18.280	PV	385614	6236647	58.36%	3.060%
232	18.300	18.280	18.357	VV	387526	5334840	49.92%	2.618%
233	18.377	18.357	18.458	VV	780	31198	0.29%	0.015%
234	18.521	18.458	18.605	VV	376600	5672241	53.08%	2.783%
235	18.693	18.605	18.742	VV	371926	5106464	47.78%	2.505%
236	18.787	18.742	18.828	VV	1062	36450	0.34%	0.018%
237	18.852	18.828	18.884	VV	813	21348	0.20%	0.010%
238	18.972	18.884	18.994	VV	651	34659	0.32%	0.017%
239	19.042	18.994	19.072	VV	6105	130388	1.22%	0.064%
240	19.089	19.072	19.140	VV	3004	76656	0.72%	0.038%
241	19.172	19.140	19.218	VV	1228	45826	0.43%	0.022%
242	19.286	19.218	19.306	VV	1056	48116	0.45%	0.024%
243	19.342	19.306	19.366	VV	1124	35282	0.33%	0.017%
244	19.388	19.366	19.418	VV	1108	31305	0.29%	0.015%
245	19.478	19.418	19.523	VV	347734	5196838	48.63%	2.550%
246	19.580	19.523	19.610	VV	2037	90578	0.85%	0.044%

rteres

247	19.653	19.610	19.691	VV	2099	83302	0.78%	0.041%
248	19.768	19.691	19.788	VV	1921	100785	0.94%	0.049%
249	19.849	19.788	19.921	VV	3805	201581	1.89%	0.099%
250	20.015	19.921	20.040	VV	2875	168557	1.58%	0.083%
251	20.079	20.040	20.095	VV	3617	104562	0.98%	0.051%
252	20.121	20.095	20.154	VV	4506	131171	1.23%	0.064%
253	20.218	20.154	20.271	VV	345223	5210980	48.76%	2.557%
254	20.356	20.271	20.417	VV	6375	364113	3.41%	0.179%
255	20.460	20.417	20.534	VV	3987	260304	2.44%	0.128%
256	20.578	20.534	20.687	VV	4513	342348	3.20%	0.168%
257	20.702	20.687	20.719	VV	3432	64727	0.61%	0.032%
258	20.732	20.719	20.745	VV	3402	52080	0.49%	0.026%
259	20.764	20.745	20.844	VV	3375	189373	1.77%	0.093%
260	20.856	20.844	20.908	VV	3129	114598	1.07%	0.056%
261	20.992	20.908	21.119	VV	271173	5356518	50.12%	2.628%
262	21.160	21.119	21.287	VV	2540	237044	2.22%	0.116%
263	21.305	21.287	21.351	VV	2159	78987	0.74%	0.039%
264	21.375	21.351	21.394	VV	1966	50088	0.47%	0.025%
265	21.441	21.394	21.498	VV	2456	124270	1.16%	0.061%
266	21.539	21.498	21.601	VV	1645	97484	0.91%	0.048%
267	21.656	21.601	21.681	VV	1537	70091	0.66%	0.034%
268	21.696	21.681	21.737	VV	1442	44146	0.41%	0.022%
269	21.776	21.737	21.796	VV	1183	41116	0.38%	0.020%
270	21.813	21.796	21.851	VV	1112	34682	0.32%	0.017%
271	21.867	21.851	21.894	VV	1027	24019	0.22%	0.012%
272	21.969	21.894	22.113	VV	195385	5126598	47.97%	2.515%
273	22.184	22.113	22.388	VV	1172	73564	0.69%	0.036%

Sum of corrected areas: 203810606

Aliphatic EPH 050625.M Wed May 14 03:45:20 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC051325AL\
Data File : FC068854.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 18:19
Operator : YP/AJ
Sample : Q1987-01MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
GC1MSD

Integration File: autoint1.e
Quant Time: May 14 03:13:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
Quant Title : GC Extractables
QLast Update : Wed May 07 08:52:03 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9)	S ortho-Terphenyl (SURR)	11.709	3632007	31.821 ug/ml
Spiked Amount	50.000		Recovery =	63.64%
12)	S 1-chlorooctadecane (S...	13.141	2861387	35.667 ug/ml
Spiked Amount	50.000		Recovery =	71.33%
	Target Compounds			
1)	T n-Nonane (C9)	3.444	3741865	37.203 ug/ml
2)	T n-Decane (C10)	4.519	4298454	43.139 ug/ml
3)	T A~Naphthalene (C11.7)	6.114	5216720	47.312 ug/ml
4)	T n-Dodecane (C12)	6.542	4633975	47.686 ug/ml
5)	T A~2-methylnaphthalene...	7.172	4901961	45.671 ug/ml
6)	T n-Tetradecane (C14)	8.341	4894000	52.951 ug/ml
7)	T n-Hexadecane (C16)	9.942	5121649	57.197 ug/ml
8)	T n-Octadecane (C18)	11.386	5204275	59.330 ug/ml
10)	T n-Eicosane (C20)	12.697	5347901	62.755 ug/ml
11)	T n-Heneicosane (C21)	13.309	5124888	60.761 ug/ml
13)	T n-Docosane (C22)	13.896	5102090	60.987 ug/ml
14)	T n-Tetracosane (C24)	14.995	10452446	125.620 ug/ml
15)	T n-Hexacosane (C26)	16.023	5019131	60.578 ug/ml
16)	T n-Octacosane (C28)	16.971	5038012	60.959 ug/ml
17)	T n-Tricontane (C30)	17.863	5003852	59.138 ug/ml
18)	T n-Dotriacontane (C32)	18.693	4972422	57.728 ug/ml
19)	T n-Tetratriacontane (C34)	19.478	5034952	59.096 ug/ml
20)	T n-Hexatriacontane (C36)	20.218	4901919	57.033 ug/ml
21)	T n-Octatriacontane (C38)	20.991	4916134	58.607 ug/ml
22)	T n-Tetracontane (C40)	21.968	4965121	60.583 ug/ml

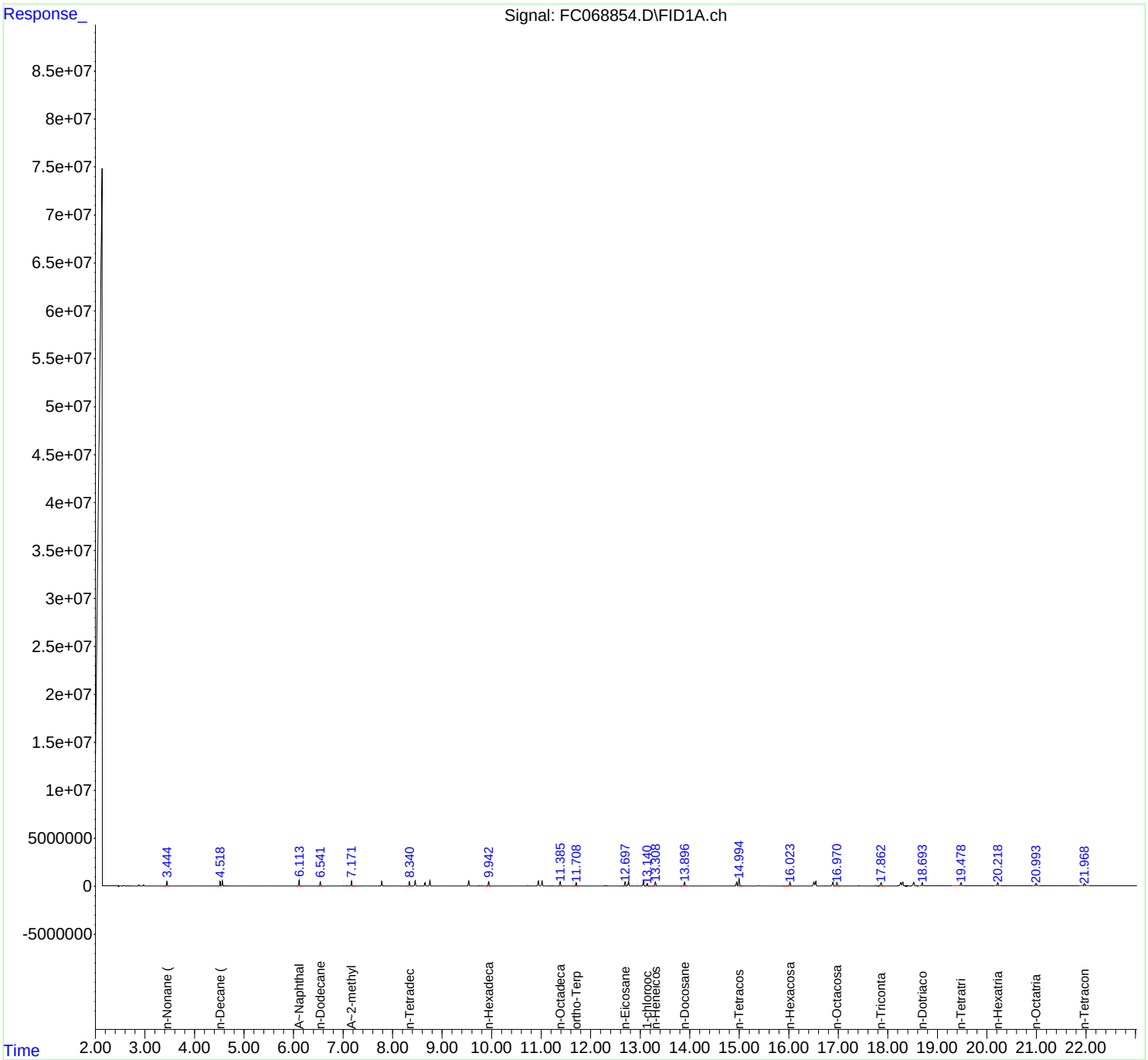
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC051325AL\
Data File : FC068854.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 18:19
Operator : YP/AJ
Sample : Q1987-01MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
GC1MSD

Integration File: autoint1.e
Quant Time: May 14 03:13:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
Quant Title : GC Extractables
QLast Update : Wed May 07 08:52:03 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC051325AL\
Data File : FC068854.D
Signal(s) : FID1A.ch
Acq On : 13 May 2025 18:19
Sample : Q1987-01MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.269	3.242	3.303	PV	227	4374	0.04%	0.002%
2	3.340	3.303	3.379	PV	324	6936	0.07%	0.003%
3	3.387	3.379	3.396	PV	97	690	0.01%	0.000%
4	3.444	3.396	3.542	VV	451805	3747521	35.80%	1.864%
5	3.572	3.542	3.612	PV	279	4942	0.05%	0.002%
6	3.625	3.612	3.633	VV	204	1872	0.02%	0.001%
7	3.647	3.633	3.671	VV	245	3123	0.03%	0.002%
8	3.691	3.671	3.705	VV	260	2841	0.03%	0.001%
9	3.738	3.705	3.795	VV	1202	20177	0.19%	0.010%
10	3.802	3.795	3.812	VV	146	1347	0.01%	0.001%
11	3.829	3.812	3.850	VV	489	5061	0.05%	0.003%
12	3.860	3.850	3.871	VV	86	1173	0.01%	0.001%
13	3.875	3.871	3.904	VV	162	1366	0.01%	0.001%
14	3.942	3.904	3.982	PV	443	9099	0.09%	0.005%
15	3.991	3.982	4.000	VV	47	337	0.00%	0.000%
16	4.027	4.000	4.075	VV	307	4450	0.04%	0.002%
17	4.090	4.075	4.115	VV	1205	10290	0.10%	0.005%
18	4.123	4.115	4.195	VV	237	4301	0.04%	0.002%
19	4.211	4.195	4.241	VV	153	2043	0.02%	0.001%
20	4.248	4.241	4.261	PV	82	708	0.01%	0.000%
21	4.283	4.261	4.306	VV	611	6460	0.06%	0.003%
22	4.343	4.306	4.358	VV	189	3948	0.04%	0.002%
23	4.367	4.358	4.418	VV	199	4130	0.04%	0.002%
24	4.429	4.418	4.458	VV	140	2496	0.02%	0.001%
25	4.467	4.458	4.476	VV	123	1056	0.01%	0.001%
26	4.518	4.476	4.540	VV	488030	4301109	41.09%	2.139%
27	4.563	4.540	4.606	VV	529889	4656715	44.49%	2.316%
28	4.624	4.606	4.646	VV	4843	44025	0.42%	0.022%
29	4.671	4.646	4.751	VV	8243	76852	0.73%	0.038%
30	4.774	4.751	4.787	VV	217	2314	0.02%	0.001%
31	4.804	4.787	4.838	VV	206	2732	0.03%	0.001%
32	4.851	4.838	4.862	VV	212	1820	0.02%	0.001%
33	4.869	4.862	4.890	VV	123	1614	0.02%	0.001%
34	4.899	4.890	4.915	VV	127	1234	0.01%	0.001%
35	4.936	4.927	4.961	VV	141	1338	0.01%	0.001%
36	4.972	4.961	4.982	VV	127	993	0.01%	0.000%

rteres

37	4.996	4.982	5.037	VV	127	2212	0.02%	0.001%
38	5.106	5.037	5.134	VV	137	3483	0.03%	0.002%
39	5.154	5.134	5.185	PV	161	2563	0.02%	0.001%
40	5.212	5.185	5.231	PV	177	2289	0.02%	0.001%
41	5.237	5.231	5.335	VV	122	3428	0.03%	0.002%
42	5.375	5.335	5.419	VV	430	6826	0.07%	0.003%
43	5.447	5.419	5.484	VV	122	3215	0.03%	0.002%
44	5.494	5.484	5.536	VV	96	2324	0.02%	0.001%
45	5.556	5.536	5.569	VV	1391	13347	0.13%	0.007%
46	5.582	5.569	5.641	VV	1705	20659	0.20%	0.010%
47	5.657	5.641	5.678	VV	214	2618	0.03%	0.001%
48	5.723	5.678	5.748	PV	171	3822	0.04%	0.002%
49	5.754	5.748	5.801	VV	140	2930	0.03%	0.001%
50	5.807	5.801	5.820	VV	71	697	0.01%	0.000%
51	5.903	5.820	5.929	VV	210	7396	0.07%	0.004%
52	5.941	5.929	5.984	VV	154	2512	0.02%	0.001%
53	6.011	5.984	6.023	VV	126	1694	0.02%	0.001%
54	6.071	6.023	6.081	VV	324	5170	0.05%	0.003%
55	6.114	6.081	6.148	VV	576530	5220558	49.87%	2.596%
56	6.157	6.148	6.174	VV	664	7777	0.07%	0.004%
57	6.198	6.174	6.231	VV	391	8836	0.08%	0.004%
58	6.258	6.231	6.297	VV	383	8575	0.08%	0.004%
59	6.308	6.297	6.318	VV	171	1844	0.02%	0.001%
60	6.353	6.318	6.365	VV	215	4725	0.05%	0.002%
61	6.385	6.365	6.415	VV	555	8819	0.08%	0.004%
62	6.439	6.415	6.457	VV	248	5416	0.05%	0.003%
63	6.478	6.457	6.498	VV	207	4132	0.04%	0.002%
64	6.542	6.498	6.587	VV	466132	4640850	44.33%	2.308%
65	6.609	6.587	6.657	VV	1077	15021	0.14%	0.007%
66	6.690	6.657	6.736	VV	490	9837	0.09%	0.005%
67	6.746	6.736	6.764	VV	160	2001	0.02%	0.001%
68	6.775	6.764	6.805	VV	167	2590	0.02%	0.001%
69	6.830	6.805	6.851	VV	216	4144	0.04%	0.002%
70	6.862	6.851	6.878	VV	178	2127	0.02%	0.001%
71	6.935	6.878	6.944	VV	282	4734	0.05%	0.002%
72	6.961	6.944	6.980	VV	382	5076	0.05%	0.003%
73	7.011	6.980	7.041	VV	5554	52997	0.51%	0.026%
74	7.077	7.041	7.127	VV	13362	130114	1.24%	0.065%
75	7.172	7.127	7.255	VV	505371	4911169	46.92%	2.442%
76	7.269	7.255	7.284	VV	203	2615	0.02%	0.001%
77	7.309	7.284	7.341	VV	1636	23613	0.23%	0.012%
78	7.361	7.341	7.411	VV	2636	45747	0.44%	0.023%
79	7.437	7.411	7.449	VV	1135	13858	0.13%	0.007%
80	7.464	7.449	7.487	VV	1346	15744	0.15%	0.008%
81	7.512	7.487	7.525	VV	413	6477	0.06%	0.003%
82	7.531	7.525	7.551	VV	380	5145	0.05%	0.003%
83	7.561	7.551	7.605	VV	423	6051	0.06%	0.003%
84	7.644	7.605	7.668	VV	700	9982	0.10%	0.005%
85	7.686	7.668	7.718	VV	388	5968	0.06%	0.003%
86	7.876	7.847	7.910	VV	521	12689	0.12%	0.006%
87	7.921	7.910	7.939	VV	370	3886	0.04%	0.002%
88	7.948	7.939	7.968	VV	174	2465	0.02%	0.001%
89	7.982	7.968	8.012	VV	165	3343	0.03%	0.002%

rteres

90	8.033	8.012	8.067	VV	583	8368	0.08%	0.004%
91	8.089	8.067	8.185	VV	370	9558	0.09%	0.005%
92	8.246	8.185	8.304	VV	349	17097	0.16%	0.009%
93	8.341	8.304	8.386	VV	464310	4899188	46.80%	2.436%
94	8.399	8.386	8.418	VV	139	1865	0.02%	0.001%
95	8.457	8.418	8.515	VV	554651	5557909	53.10%	2.764%
96	8.523	8.515	8.545	VV	177	2314	0.02%	0.001%
97	8.565	8.545	8.604	VV	288	4828	0.05%	0.002%
98	8.756	8.718	8.789	VV	555319	5625623	53.74%	2.798%
99	8.807	8.789	8.855	VV	445	8536	0.08%	0.004%
100	8.870	8.855	8.911	VV	222	3386	0.03%	0.002%
101	8.961	8.911	8.980	PV	211	5198	0.05%	0.003%
102	9.023	8.980	9.039	VV	876	11429	0.11%	0.006%
103	9.057	9.039	9.135	VV	712	13295	0.13%	0.007%
104	9.161	9.135	9.228	VV	626	9783	0.09%	0.005%
105	9.236	9.228	9.275	VV	119	1741	0.02%	0.001%
106	9.284	9.275	9.320	VV	59	866	0.01%	0.000%
107	9.351	9.320	9.380	VV	111	2685	0.03%	0.001%
108	9.417	9.380	9.435	VV	255	3833	0.04%	0.002%
109	9.459	9.435	9.475	VV	235	2662	0.03%	0.001%
110	9.540	9.475	9.568	VV	553748	5807140	55.48%	2.888%
111	9.578	9.568	9.650	VV	719	12837	0.12%	0.006%
112	9.680	9.650	9.693	VV	524	7519	0.07%	0.004%
113	9.717	9.693	9.731	VV	2268	29565	0.28%	0.015%
114	9.750	9.731	9.785	VV	8692	94524	0.90%	0.047%
115	9.810	9.785	9.858	VV	21342	223248	2.13%	0.111%
116	9.874	9.858	9.905	VV	494	7265	0.07%	0.004%
117	9.942	9.905	10.011	PV	465806	5131343	49.02%	2.552%
118	10.031	10.011	10.098	VV	387	7078	0.07%	0.004%
119	10.129	10.098	10.155	VV	110	2121	0.02%	0.001%
120	10.162	10.155	10.199	VV	143	2075	0.02%	0.001%
121	10.221	10.199	10.257	VV	187	3487	0.03%	0.002%
122	10.285	10.257	10.311	VV	1313	15106	0.14%	0.008%
123	10.334	10.311	10.347	VV	182	2422	0.02%	0.001%
124	10.361	10.347	10.367	VV	131	1519	0.01%	0.001%
125	10.381	10.367	10.439	VV	244	5365	0.05%	0.003%
126	10.460	10.439	10.501	VV	264	5352	0.05%	0.003%
127	10.511	10.501	10.545	VV	124	2323	0.02%	0.001%
128	10.583	10.545	10.622	VV	233	8231	0.08%	0.004%
129	10.675	10.622	10.701	VV	932	16260	0.16%	0.008%
130	10.732	10.701	10.771	PV	11715	164239	1.57%	0.082%
131	10.779	10.771	10.831	VV	332	5998	0.06%	0.003%
132	10.944	10.831	10.980	VV	535139	5769395	55.12%	2.869%
133	11.021	10.980	11.074	VV	528901	5695258	54.41%	2.832%
134	11.093	11.074	11.122	VV	1019	14932	0.14%	0.007%
135	11.130	11.122	11.171	VV	213	5220	0.05%	0.003%
136	11.187	11.171	11.203	VV	1126	12514	0.12%	0.006%
137	11.222	11.203	11.267	VV	4020	44490	0.43%	0.022%
138	11.277	11.267	11.290	VV	192	1780	0.02%	0.001%
139	11.314	11.290	11.336	VV	352	6137	0.06%	0.003%
140	11.386	11.336	11.428	VV	466256	5207240	49.75%	2.589%
141	11.459	11.428	11.495	VV	311	6988	0.07%	0.003%

rteres

142	11.515	11.495	11.528	VV	115	1369	0.01%	0.001%
143	11.544	11.528	11.631	VV	202	5556	0.05%	0.003%
144	11.642	11.631	11.665	PV	100	1138	0.01%	0.001%
145	11.708	11.665	11.756	VV	339082	3635493	34.73%	1.808%
146	11.800	11.756	11.820	VV	1034	16619	0.16%	0.008%
147	11.838	11.820	11.853	VV	1010	11656	0.11%	0.006%
148	11.868	11.853	11.905	VV	973	17555	0.17%	0.009%
149	11.919	11.905	11.949	VV	533	7080	0.07%	0.004%
150	11.986	11.949	12.015	VV	435	7024	0.07%	0.003%
151	12.055	12.015	12.079	VV	264	6021	0.06%	0.003%
152	12.103	12.079	12.127	VV	302	4337	0.04%	0.002%
153	12.142	12.127	12.175	VV	221	2910	0.03%	0.001%
154	12.227	12.175	12.251	PV	99	2152	0.02%	0.001%
155	12.299	12.251	12.374	VV	29567	364136	3.48%	0.181%
156	12.388	12.374	12.408	VV	1274	21898	0.21%	0.011%
157	12.417	12.408	12.472	VV	878	25449	0.24%	0.013%
158	12.486	12.472	12.494	VV	635	7640	0.07%	0.004%
159	12.535	12.494	12.574	VV	2702	55898	0.53%	0.028%
160	12.595	12.574	12.611	VV	303	5656	0.05%	0.003%
161	12.640	12.611	12.657	VV	550	10329	0.10%	0.005%
162	12.697	12.657	12.728	VV	441612	5361875	51.22%	2.666%
163	12.767	12.728	12.833	VV	500053	5758043	55.01%	2.863%
164	12.862	12.833	12.884	VV	173	3992	0.04%	0.002%
165	12.897	12.884	12.925	VV	181	3307	0.03%	0.002%
166	12.947	12.925	13.017	VV	6169	74259	0.71%	0.037%
167	13.068	13.017	13.095	VV	481389	5614965	53.64%	2.792%
168	13.141	13.095	13.225	VV	239940	2871776	27.43%	1.428%
169	13.254	13.225	13.271	VV	325	6469	0.06%	0.003%
170	13.309	13.271	13.384	VV	411467	5133461	49.04%	2.553%
171	13.403	13.384	13.418	VV	204	2605	0.02%	0.001%
172	13.426	13.418	13.439	VV	185	1597	0.02%	0.001%
173	13.561	13.439	13.633	VV	951	55624	0.53%	0.028%
174	13.648	13.633	13.665	VV	650	10566	0.10%	0.005%
175	13.684	13.665	13.706	VV	805	14561	0.14%	0.007%
176	13.735	13.706	13.775	VV	981	22347	0.21%	0.011%
177	13.794	13.775	13.815	VV	332	6464	0.06%	0.003%
178	13.843	13.815	13.857	VV	910	14033	0.13%	0.007%
179	13.896	13.857	13.998	VV	415676	5116658	48.88%	2.544%
180	14.021	13.998	14.050	VV	389	6780	0.06%	0.003%
181	14.069	14.050	14.094	VV	658	8725	0.08%	0.004%
182	14.122	14.094	14.161	VV	215	5552	0.05%	0.003%
183	14.172	14.161	14.217	VV	120	3296	0.03%	0.002%
184	14.282	14.217	14.311	VV	955	18750	0.18%	0.009%
185	14.330	14.311	14.364	VV	706	11998	0.11%	0.006%
186	14.381	14.364	14.430	VV	257	5539	0.05%	0.003%
187	14.461	14.430	14.515	VV	385	10478	0.10%	0.005%
188	14.528	14.515	14.539	VV	242	2869	0.03%	0.001%
189	14.563	14.539	14.608	VV	321	7599	0.07%	0.004%
190	14.625	14.608	14.655	VV	224	3503	0.03%	0.002%
191	14.676	14.655	14.715	VV	441	6892	0.07%	0.003%
192	14.732	14.715	14.765	VV	168	3612	0.03%	0.002%
193	14.839	14.765	14.890	VV	521	15193	0.15%	0.008%
194	14.947	14.890	14.966	VV	435108	5532034	52.85%	2.751%

rteres

195	14.995	14.966	15.075	VV	784861	10467733	100.00%	5.205%
196	15.102	15.075	15.143	VV	316	9351	0.09%	0.005%
197	15.172	15.143	15.220	VV	1667	27083	0.26%	0.013%
198	15.240	15.220	15.271	VV	221	5052	0.05%	0.003%
199	15.285	15.271	15.314	VV	206	3712	0.04%	0.002%
200	15.373	15.314	15.452	VV	19820	275700	2.63%	0.137%
201	15.465	15.452	15.489	VV	264	4732	0.05%	0.002%
202	15.517	15.489	15.558	VV	1453	26564	0.25%	0.013%
203	15.597	15.558	15.628	VV	1232	19879	0.19%	0.010%
204	15.646	15.628	15.671	VV	186	3430	0.03%	0.002%
205	15.704	15.671	15.716	VV	155	3163	0.03%	0.002%
206	15.758	15.716	15.772	VV	262	5400	0.05%	0.003%
207	15.785	15.772	15.815	VV	216	2876	0.03%	0.001%
208	15.851	15.815	15.875	PV	1118	15777	0.15%	0.008%
209	15.893	15.875	15.931	VV	608	10608	0.10%	0.005%
210	15.940	15.931	15.949	VV	200	1738	0.02%	0.001%
211	15.958	15.949	15.964	VV	178	1316	0.01%	0.001%
212	16.023	15.964	16.071	VV	389717	5010486	47.87%	2.492%
213	16.081	16.071	16.101	VV	122	1072	0.01%	0.001%
214	16.119	16.101	16.134	PV	97	1196	0.01%	0.001%
215	16.156	16.134	16.175	VV	103	1623	0.02%	0.001%
216	16.190	16.175	16.201	VV	458	4058	0.04%	0.002%
217	16.225	16.201	16.285	VV	894	12505	0.12%	0.006%
218	16.325	16.285	16.339	PV	215	5385	0.05%	0.003%
219	16.388	16.339	16.443	VV	1916	40488	0.39%	0.020%
220	16.506	16.443	16.522	VV	368866	5675413	54.22%	2.822%
221	16.543	16.522	16.615	VV	463859	5587103	53.37%	2.778%
222	16.632	16.615	16.651	VV	582	9045	0.09%	0.004%
223	16.665	16.651	16.721	VV	273	7252	0.07%	0.004%
224	16.749	16.721	16.795	PV	3097	40368	0.39%	0.020%
225	16.817	16.795	16.838	VV	348	3415	0.03%	0.002%
226	16.890	16.838	16.921	PV	412533	5400466	51.59%	2.686%
227	16.971	16.921	16.991	PBA	364420	4540368	43.37%	2.258%
228	17.019	16.991	17.075	BV	-14065	-492998	-4.71%	-0.245%
229	17.092	17.075	17.111	PV	60	1339	0.01%	0.001%
230	17.128	17.111	17.145	VV	116	1317	0.01%	0.001%
231	17.239	17.145	17.258	PV	203	9296	0.09%	0.005%
232	17.333	17.258	17.385	VV	913	25359	0.24%	0.013%
233	17.418	17.385	17.475	VV	2226	35319	0.34%	0.018%
234	17.504	17.475	17.547	PV	334	6336	0.06%	0.003%
235	17.575	17.547	17.614	VV	195	4664	0.04%	0.002%
236	17.651	17.614	17.681	VV	219	4199	0.04%	0.002%
237	17.750	17.681	17.782	PV	4092	64049	0.61%	0.032%
238	17.862	17.782	17.916	VV	344384	5019577	47.95%	2.496%
239	17.948	17.916	17.978	VV	770	11790	0.11%	0.006%
240	18.048	17.978	18.075	PV	178	6860	0.07%	0.003%
241	18.101	18.075	18.151	VV	273	5526	0.05%	0.003%
242	18.261	18.151	18.280	VV	379605	6140997	58.67%	3.054%
243	18.301	18.280	18.358	VV	406728	5296683	50.60%	2.634%
244	18.375	18.358	18.435	VV	861	25531	0.24%	0.013%
245	18.521	18.435	18.607	VV	357291	5590114	53.40%	2.780%
246	18.692	18.607	18.745	VV	354828	5005495	47.82%	2.489%

rteres

247	18.787	18.745	18.828	VV	1055	35058	0.33%	0.017%
248	18.854	18.828	18.891	VV	869	22502	0.21%	0.011%
249	18.974	18.891	18.994	VV	706	29702	0.28%	0.015%
250	19.042	18.994	19.073	VV	6137	128516	1.23%	0.064%
251	19.090	19.073	19.145	VV	2807	73096	0.70%	0.036%
252	19.173	19.145	19.215	VV	1292	42374	0.40%	0.021%
253	19.286	19.215	19.308	VV	957	47188	0.45%	0.023%
254	19.340	19.308	19.368	VV	1250	36982	0.35%	0.018%
255	19.387	19.368	19.409	VV	1202	26734	0.26%	0.013%
256	19.478	19.409	19.522	VV	353928	5115215	48.87%	2.544%
257	19.580	19.522	19.611	VV	2159	96644	0.92%	0.048%
258	19.652	19.611	19.691	VV	2139	86176	0.82%	0.043%
259	19.766	19.691	19.791	VV	1878	103273	0.99%	0.051%
260	19.848	19.791	19.917	VV	3553	186847	1.78%	0.093%
261	20.017	19.917	20.041	VV	2833	176811	1.69%	0.088%
262	20.076	20.041	20.093	VV	3672	99725	0.95%	0.050%
263	20.120	20.093	20.158	VV	4470	141831	1.35%	0.071%
264	20.218	20.158	20.272	VV	343060	5127124	48.98%	2.550%
265	20.355	20.272	20.415	VV	6349	361810	3.46%	0.180%
266	20.538	20.415	20.751	VV	8318	965261	9.22%	0.480%
267	20.774	20.751	20.873	VV	3225	225320	2.15%	0.112%
268	20.894	20.873	20.926	VV	3028	92259	0.88%	0.046%
269	20.991	20.926	21.068	VV	266074	5148994	49.19%	2.561%
270	21.144	21.068	21.203	VV	2594	204576	1.95%	0.102%
271	21.218	21.203	21.281	VV	2427	107730	1.03%	0.054%
272	21.298	21.281	21.365	VV	2238	105491	1.01%	0.052%
273	21.443	21.365	21.511	VV	2566	183702	1.75%	0.091%
274	21.526	21.511	21.565	VV	1797	55188	0.53%	0.027%
275	21.579	21.565	21.608	VV	1652	42172	0.40%	0.021%
276	21.661	21.608	21.741	VV	1560	117275	1.12%	0.058%
277	21.770	21.741	21.792	VV	1432	39499	0.38%	0.020%
278	21.807	21.792	21.869	VV	1286	51515	0.49%	0.026%
279	21.968	21.869	22.108	VV	199725	5077647	48.51%	2.525%
280	22.184	22.108	22.401	VBA	1267	80941	0.77%	0.040%

Sum of corrected areas: 201093058

Aliphatic EPH 050625.M Wed May 14 03:46:02 2025

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	FC050625AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	FC051325AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FC068847.D	n-Dotriacontane (C32)	yogesh	5/14/2025 7:38:27 AM	mohammad	5/15/2025 3:42:27	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC050625AL

Review By	yogesh	Review On	5/6/2025 2:50:27 PM		
Supervise By	mohammad	Supervise On	5/8/2025 2:15:32 AM		
SubDirectory	FC050625AL	HP Acquire Method		HP Processing Method	FC050625AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC068779.D	06 May 2025 14:18	YP/AJ	Ok
2	I.BLK	FC068780.D	06 May 2025 14:55	YP/AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FC068781.D	06 May 2025 15:33	YP/AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FC068782.D	06 May 2025 16:11	YP/AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FC068783.D	06 May 2025 16:48	YP/AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FC068784.D	06 May 2025 17:26	YP/AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FC068785.D	06 May 2025 18:03	YP/AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FC068786.D	06 May 2025 18:40	YP/AJ	Ok
9	I.BLK	FC068787.D	06 May 2025 19:55	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC068788.D	06 May 2025 20:33	YP/AJ	Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC051325AL

Review By	yogesh	Review On	5/13/2025 10:53:21 AM		
Supervise By	mohammad	Supervise On	5/15/2025 3:42:27 AM		
SubDirectory	FC051325AL	HP Acquire Method		HP Processing Method	FC050625AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC068841.D	13 May 2025 09:01	YP/AJ	Ok
2	I.BLK	FC068842.D	13 May 2025 09:38	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC068843.D	13 May 2025 10:16	YP/AJ	Ok
4	Q2002-02DL	FC068844.D	13 May 2025 10:53	YP/AJ	Ok
5	Q2004-03	FC068845.D	13 May 2025 11:31	YP/AJ	Ok
6	I.BLK	FC068846.D	13 May 2025 12:47	YP/AJ	Ok
7	20 PPM ALIPHATIC HC STD	FC068847.D	13 May 2025 13:26	YP/AJ	Ok,M
8	PB167974BL	FC068848.D	13 May 2025 14:31	YP/AJ	Ok
9	PB167974BS	FC068849.D	13 May 2025 15:08	YP/AJ	Ok
10	PB167974BSD	FC068850.D	13 May 2025 15:46	YP/AJ	Ok
11	Q1987-01	FC068851.D	13 May 2025 16:24	YP/AJ	Ok
12	Q1987-01D	FC068852.D	13 May 2025 17:02	YP/AJ	Ok
13	Q1987-01MS	FC068853.D	13 May 2025 17:41	YP/AJ	Ok
14	Q1987-01MSD	FC068854.D	13 May 2025 18:19	YP/AJ	Ok
15	Q2007-03	FC068855.D	13 May 2025 18:57	YP/AJ	Ok
16	Q2007-04	FC068856.D	13 May 2025 19:35	YP/AJ	Ok
17	Q2007-05	FC068857.D	13 May 2025 20:12	YP/AJ	Ok
18	I.BLK	FC068858.D	13 May 2025 21:28	YP/AJ	Ok
19	20 PPM ALIPHATIC HC STD	FC068859.D	13 May 2025 22:06	YP/AJ	Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC050625AL

Review By	yogesh	Review On	5/6/2025 2:50:27 PM		
Supervise By	mohammad	Supervise On	5/8/2025 2:15:32 AM		
SubDirectory	FC050625AL	HP Acquire Method		HP Processing Method	FC050625AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC068779.D	06 May 2025 14:18		YP/AJ	Ok
2	I.BLK	I.BLK	FC068780.D	06 May 2025 14:55		YP/AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FC068781.D	06 May 2025 15:33		YP/AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FC068782.D	06 May 2025 16:11		YP/AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068783.D	06 May 2025 16:48		YP/AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FC068784.D	06 May 2025 17:26		YP/AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FC068785.D	06 May 2025 18:03		YP/AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068786.D	06 May 2025 18:40		YP/AJ	Ok
9	I.BLK	I.BLK	FC068787.D	06 May 2025 19:55		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068788.D	06 May 2025 20:33		YP/AJ	Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC051325AL

Review By	yogesh	Review On	5/13/2025 10:53:21 AM		
Supervise By	mohammad	Supervise On	5/15/2025 3:42:27 AM		
SubDirectory	FC051325AL	HP Acquire Method		HP Processing Method	FC050625AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC068841.D	13 May 2025 09:01		YP/AJ	Ok
2	I.BLK	I.BLK	FC068842.D	13 May 2025 09:38		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068843.D	13 May 2025 10:16		YP/AJ	Ok
4	Q2002-02DL	EO-02-05092025-E2DL	FC068844.D	13 May 2025 10:53		YP/AJ	Ok
5	Q2004-03	2811	FC068845.D	13 May 2025 11:31		YP/AJ	Ok
6	I.BLK	I.BLK	FC068846.D	13 May 2025 12:47		YP/AJ	Ok
7	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068847.D	13 May 2025 13:26		YP/AJ	Ok,M
8	PB167974BL	PB167974BL	FC068848.D	13 May 2025 14:31		YP/AJ	Ok
9	PB167974BS	PB167974BS	FC068849.D	13 May 2025 15:08		YP/AJ	Ok
10	PB167974BSD	PB167974BSD	FC068850.D	13 May 2025 15:46		YP/AJ	Ok
11	Q1987-01	GC1	FC068851.D	13 May 2025 16:24		YP/AJ	Ok
12	Q1987-01D	Q1987-01D	FC068852.D	13 May 2025 17:02		YP/AJ	Ok
13	Q1987-01MS	GC1MS	FC068853.D	13 May 2025 17:41	FC068851.D	YP/AJ	Ok
14	Q1987-01MSD	GC1MSD	FC068854.D	13 May 2025 18:19	FC068851.D!FC068853.D	YP/AJ	Ok
15	Q2007-03	OR-636-28	FC068855.D	13 May 2025 18:57		YP/AJ	Ok
16	Q2007-04	OR-636-29	FC068856.D	13 May 2025 19:35		YP/AJ	Ok
17	Q2007-05	OR-636-30	FC068857.D	13 May 2025 20:12		YP/AJ	Ok
18	I.BLK	I.BLK	FC068858.D	13 May 2025 21:28		YP/AJ	Ok

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC051325AL

Review By	yogesh	Review On	5/13/2025 10:53:21 AM		
Supervise By	mohammad	Supervise On	5/15/2025 3:42:27 AM		
SubDirectory	FC051325AL	HP Acquire Method		HP Processing Method	FC050625AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068859.D	13 May 2025 22:06		YP/AJ	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167974

SOP ID:	MNJDEP-EPH-7				
Clean Up SOP #:	N/A			**Extraction Start Date :**	05/13/2025
Matrix :	Solid			**Extraction Start Time :**	09:35
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	05/13/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	13:45
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	PP24462
Surrogate	1.0ML	100 PPM	PP24491
Fractionation Surrogate	1.0ML	100 PPM	PP24499
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2612
Baked Na2SO4	N/A	EP2611
Sand	N/A	E2865
Hexane	N/A	E3933
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

N/A

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/13/25	RS (Ext-lab)	Y.P. Post/PD
13:50	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167974

Analytical Method: MNJDEP-EPH-7

Concentration Date: 05/13/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167974BL	PB167974BL	EPH_NF	30.02	N/A	ritesh	Evelyn	2			U3-1
PB167974BS	PB167974BS	EPH_NF	30.03	N/A	ritesh	Evelyn	2			2
PB167974BSD	PB167974BSD	EPH_NF	30.01	N/A	ritesh	Evelyn	2			3
Q1987-01	GC1	EPH_NF	30.06	N/A	ritesh	Evelyn	2	E		4
Q1987-01DUP	GC1DUP	EPH_NF	30.02	N/A	ritesh	Evelyn	2	E		5
Q1987-01MS	GC1MS	EPH_NF	30.03	N/A	ritesh	Evelyn	2	E		6
Q1987-01MSD	GC1MSD	EPH_NF	30.04	N/A	ritesh	Evelyn	2	E		U6-1
Q2007-03	OR-636-28	EPH_NF	30.01	N/A	ritesh	Evelyn	2			2
Q2007-04	OR-636-29	EPH_NF	30.04	N/A	ritesh	Evelyn	2			3
Q2007-05	OR-636-30	EPH_NF	30.05	N/A	ritesh	Evelyn	2			4
Q2007-09	OR-636-31	EPH_NF	30.07	N/A	ritesh	Evelyn	2			5
Q2007-10	OR-636-32	EPH_NF	30.08	N/A	ritesh	Evelyn	2			6
Q2007-11	OR-636-33	EPH_NF	30.03	N/A	ritesh	Evelyn	2			U1-1
Q2007-15	OR-636-34	EPH_NF	30.01	N/A	ritesh	Evelyn	2			2
Q2007-16	OR-636-35	EPH_NF	30.04	N/A	ritesh	Evelyn	2			3
Q2007-17	OR-636-36	EPH_NF	30.06	N/A	ritesh	Evelyn	2			4
Q2007-21	OR-636-37	EPH_NF	30.02	N/A	ritesh	Evelyn	2			5
Q2007-22	OR-636-38	EPH_NF	30.07	N/A	ritesh	Evelyn	2			6
Q2007-23	OR-636-39	EPH_NF	30.05	N/A	ritesh	Evelyn	2			U2-1
Q2007-27	OR-636-40	EPH_NF	30.01	N/A	ritesh	Evelyn	2			2
Q2007-28	OR-636-41	EPH_NF	30.04	N/A	ritesh	Evelyn	2			3
Q2007-29	OR-636-42	EPH_NF	30.09	N/A	ritesh	Evelyn	2			4
Q2007-33	OR-636-43	EPH_NF	30.02	N/A	ritesh	Evelyn	2			5
Q2007-34	OR-636-44	EPH_NF	30.03	N/A	ritesh	Evelyn	2			6
Q2007-35	OR-636-45	EPH_NF	30.06	N/A	ritesh	Evelyn	2			U7-1

RS 5/13

* **Extracts relinquished on the same date as received.**

167974
9:35

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2007 **WorkList ID :** 189482 **Department :** Extraction **Date :** 05-13-2025 08:53:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1987-01	GC1	Solid	EPH_NF	Cool 4 deg C	GENV01	L41	05/07/2025	NJEPH
Q2007-03	OR-636-28	Solid	EPH_NF	Cool 4 deg C	PSEG03	L41	05/09/2025	NJEPH
Q2007-04	OR-636-29	Solid	EPH_NF	Cool 4 deg C	PSEG03	L41	05/09/2025	NJEPH
Q2007-05	OR-636-30	Solid	EPH_NF	Cool 4 deg C	PSEG03	L41	05/09/2025	NJEPH
Q2007-09	OR-636-31	Solid	EPH_NF	Cool 4 deg C	PSEG03	L41	05/09/2025	NJEPH
Q2007-10	OR-636-32	Solid	EPH_NF	Cool 4 deg C	PSEG03	L41	05/09/2025	NJEPH
Q2007-11	OR-636-33	Solid	EPH_NF	Cool 4 deg C	PSEG03	L41	05/09/2025	NJEPH
Q2007-15	OR-636-34	Solid	EPH_NF	Cool 4 deg C	PSEG03	L41	05/09/2025	NJEPH
Q2007-16	OR-636-35	Solid	EPH_NF	Cool 4 deg C	PSEG03	L41	05/09/2025	NJEPH
Q2007-17	OR-636-36	Solid	EPH_NF	Cool 4 deg C	PSEG03	L41	05/09/2025	NJEPH
Q2007-21	OR-636-37	Solid	EPH_NF	Cool 4 deg C	PSEG03	L41	05/09/2025	NJEPH
Q2007-22	OR-636-38	Solid	EPH_NF	Cool 4 deg C	PSEG03	L41	05/09/2025	NJEPH
Q2007-23	OR-636-39	Solid	EPH_NF	Cool 4 deg C	PSEG03	L41	05/09/2025	NJEPH
Q2007-27	OR-636-40	Solid	EPH_NF	Cool 4 deg C	PSEG03	L41	05/09/2025	NJEPH
Q2007-28	OR-636-41	Solid	EPH_NF	Cool 4 deg C	PSEG03	L41	05/09/2025	NJEPH
Q2007-29	OR-636-42	Solid	EPH_NF	Cool 4 deg C	PSEG03	L41	05/09/2025	NJEPH
Q2007-33	OR-636-43	Solid	EPH_NF	Cool 4 deg C	PSEG03	L41	05/09/2025	NJEPH
Q2007-34	OR-636-44	Solid	EPH_NF	Cool 4 deg C	PSEG03	L41	05/09/2025	NJEPH
Q2007-35	OR-636-45	Solid	EPH_NF	Cool 4 deg C	PSEG03	L41	05/09/2025	NJEPH

Date/Time 05/13/25 9:30
Raw Sample Received by: RJ (EXT-Lab)
Raw Sample Relinquished by: CP SM

Date/Time 05/13/25 10:05
Raw Sample Received by: CP SM
Raw Sample Relinquished by: RJ (EXT-Lab)

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

LAB CHRONICLE

OrderID:	Q1987	**OrderDate:**	5/8/2025 1:07:00 PM
Client:	G Environmental	**Project:**	Hillside
Contact:	Gary Landis	**Location:**	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1987-01	**GC1**	**Solid**			**05/07/25**			**05/08/25**
			EPH_NF	NJEPH		05/13/25	05/13/25	

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q1987
COC Number 2047007

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: G Environmental & CARRAO
ADDRESS:
CITY Succasunna STATE: NJ ZIP: 07876
ATTENTION: GL
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: 1-11-31 D
PROJECT NO.: LOCATION:
PROJECT MANAGER: GL
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO G Environmental PO#:
ADDRESS: & CARRAO
CITY Succasunna STATE: NJ ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): STANDARD DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) X ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ Other
X EDD FORMAT Excel PDF NJDEP

ANALYSIS

EPH cut 1 Vet 13, TBA, TPH

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	GC1	SO1		X	5/7/25	1430	5	X	X								
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	5/8/25	1. 5/8/25 13:58
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.1°C
Comments: Adjust Factor +1 for GW #1

Page _____ of
CLIENT: ☐ Hand Delivered ☐ Other
Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1987 GENV01
Client Name : G Environmental
Client Contact : Gary Landis
Invoice Name : G Environmental
Invoice Contact : Gary Landis

Order Date : 5/8/2025 1:07:00 PM
Project Name : Hillside
Receive DateTime : 5/8/2025 1:00:00 PM
Purchase Order :

Project Mgr :
Report Type : NJ Reduced
EDD Type : NJ HAZSITE
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1987-01	GC1	Solid	05/07/2025	14:30					
					VOCMS Group1		8260D		5 Bus. Days

Relinguished By : [signature]
Date / Time : 5/8/25 1430

Received By : JC
Date / Time : 5/8/25 1430

Storage Area : VOA Refridgerator Room