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

Hit Summary Sheet
SW-846

SDG No.: Q3662

Client: HDR, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID:

0

Total Voc :

Total Concentration:

SAMPLE DATA

Raw Data: **VW032485.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/17/25
Project:	PVWC Linear Construction	Date Received:	11/18/25
Client Sample ID:	B3-0.5-1.0-20251117	SDG No.:	Q3662
Lab Sample ID:	Q3662-01	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	91.2
Sample Wt/Vol:	6.4 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.98	U	1	0.98	4.30	ug/Kg	11/18/25 16:36	VW111825
74-87-3	Chloromethane	0.98	U	1	0.98	4.30	ug/Kg	11/18/25 16:36	VW111825
75-01-4	Vinyl Chloride	0.68	U	1	0.68	4.30	ug/Kg	11/18/25 16:36	VW111825
74-83-9	Bromomethane	0.92	U	1	0.92	4.30	ug/Kg	11/18/25 16:36	VW111825
75-00-3	Chloroethane	1.10	U	1	1.10	4.30	ug/Kg	11/18/25 16:36	VW111825
75-69-4	Trichlorofluoromethane	1.00	U	1	1.00	4.30	ug/Kg	11/18/25 16:36	VW111825
76-13-1	1,1,2-Trichlorotrifluoroethane	0.91	U	1	0.91	4.30	ug/Kg	11/18/25 16:36	VW111825
75-35-4	1,1-Dichloroethene	0.86	U	1	0.86	4.30	ug/Kg	11/18/25 16:36	VW111825
67-64-1	Acetone	4.10	U	1	4.10	21.4	ug/Kg	11/18/25 16:36	VW111825
75-15-0	Carbon Disulfide	0.91	U	1	0.91	4.30	ug/Kg	11/18/25 16:36	VW111825
1634-04-4	Methyl tert-butyl Ether	0.63	U	1	0.63	4.30	ug/Kg	11/18/25 16:36	VW111825
79-20-9	Methyl Acetate	1.30	U	1	1.30	4.30	ug/Kg	11/18/25 16:36	VW111825
75-09-2	Methylene Chloride	3.00	U	1	3.00	8.60	ug/Kg	11/18/25 16:36	VW111825
156-60-5	trans-1,2-Dichloroethene	0.74	U	1	0.74	4.30	ug/Kg	11/18/25 16:36	VW111825
75-34-3	1,1-Dichloroethane	0.69	U	1	0.69	4.30	ug/Kg	11/18/25 16:36	VW111825
110-82-7	Cyclohexane	0.68	U	1	0.68	4.30	ug/Kg	11/18/25 16:36	VW111825
78-93-3	2-Butanone	5.60	U	1	5.60	21.4	ug/Kg	11/18/25 16:36	VW111825
56-23-5	Carbon Tetrachloride	0.83	U	1	0.83	4.30	ug/Kg	11/18/25 16:36	VW111825
156-59-2	cis-1,2-Dichloroethene	0.64	U	1	0.64	4.30	ug/Kg	11/18/25 16:36	VW111825
74-97-5	Bromochloromethane	0.99	U	1	0.99	4.30	ug/Kg	11/18/25 16:36	VW111825
67-66-3	Chloroform	0.72	U	1	0.72	4.30	ug/Kg	11/18/25 16:36	VW111825
71-55-6	1,1,1-Trichloroethane	0.80	U	1	0.80	4.30	ug/Kg	11/18/25 16:36	VW111825
108-87-2	Methylcyclohexane	0.78	U	1	0.78	4.30	ug/Kg	11/18/25 16:36	VW111825
71-43-2	Benzene	0.68	U	1	0.68	4.30	ug/Kg	11/18/25 16:36	VW111825
107-06-2	1,2-Dichloroethane	0.68	U	1	0.68	4.30	ug/Kg	11/18/25 16:36	VW111825
79-01-6	Trichloroethene	0.69	U	1	0.69	4.30	ug/Kg	11/18/25 16:36	VW111825
78-87-5	1,2-Dichloropropane	0.78	U	1	0.78	4.30	ug/Kg	11/18/25 16:36	VW111825
75-27-4	Bromodichloromethane	0.67	U	1	0.67	4.30	ug/Kg	11/18/25 16:36	VW111825
108-10-1	4-Methyl-2-Pentanone	3.10	U	1	3.10	21.4	ug/Kg	11/18/25 16:36	VW111825
108-88-3	Toluene	0.67	U	1	0.67	4.30	ug/Kg	11/18/25 16:36	VW111825
10061-02-6	t-1,3-Dichloropropene	0.56	U	1	0.56	4.30	ug/Kg	11/18/25 16:36	VW111825
10061-01-5	cis-1,3-Dichloropropene	0.53	U	1	0.53	4.30	ug/Kg	11/18/25 16:36	VW111825
79-00-5	1,1,2-Trichloroethane	0.79	U	1	0.79	4.30	ug/Kg	11/18/25 16:36	VW111825
591-78-6	2-Hexanone	3.20	U	1	3.20	21.4	ug/Kg	11/18/25 16:36	VW111825
124-48-1	Dibromochloromethane	0.75	U	1	0.75	4.30	ug/Kg	11/18/25 16:36	VW111825
106-93-4	1,2-Dibromoethane	0.75	U	1	0.75	4.30	ug/Kg	11/18/25 16:36	VW111825
127-18-4	Tetrachloroethene	0.90	U	1	0.90	4.30	ug/Kg	11/18/25 16:36	VW111825
108-90-7	Chlorobenzene	0.78	U	1	0.78	4.30	ug/Kg	11/18/25 16:36	VW111825
100-41-4	Ethyl Benzene	0.57	U	1	0.57	4.30	ug/Kg	11/18/25 16:36	VW111825
179601-23-1	m/p-Xylenes	1.10	U	1	1.10	8.60	ug/Kg	11/18/25 16:36	VW111825
95-47-6	o-Xylene	0.70	U	1	0.70	4.30	ug/Kg	11/18/25 16:36	VW111825
100-42-5	Styrene	0.61	U	1	0.61	4.30	ug/Kg	11/18/25 16:36	VW111825
75-25-2	Bromoform	0.74	U	1	0.74	4.30	ug/Kg	11/18/25 16:36	VW111825

Raw Data: **VW032485.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/17/25
Project:	PVWC Linear Construction	Date Received:	11/18/25
Client Sample ID:	B3-0.5-1.0-20251117	SDG No.:	Q3662
Lab Sample ID:	Q3662-01	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	91.2
Sample Wt/Vol:	6.4 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.67	U	1	0.67	4.30	ug/Kg	11/18/25 16:36	VW111825
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1	1.00	4.30	ug/Kg	11/18/25 16:36	VW111825
541-73-1	1,3-Dichlorobenzene	1.50	U	1	1.50	4.30	ug/Kg	11/18/25 16:36	VW111825
106-46-7	1,4-Dichlorobenzene	1.30	U	1	1.30	4.30	ug/Kg	11/18/25 16:36	VW111825
95-50-1	1,2-Dichlorobenzene	1.20	U	1	1.20	4.30	ug/Kg	11/18/25 16:36	VW111825
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1	1.60	4.30	ug/Kg	11/18/25 16:36	VW111825
120-82-1	1,2,4-Trichlorobenzene	2.50	U	1	2.50	4.30	ug/Kg	11/18/25 16:36	VW111825
87-61-6	1,2,3-Trichlorobenzene	2.70	U	1	2.70	4.30	ug/Kg	11/18/25 16:36	VW111825
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	55.3			70 (63) - 130 (155)	111%	SPK: 50		
1868-53-7	Dibromofluoromethane	47.5			70 (70) - 130 (134)	95%	SPK: 50		
2037-26-5	Toluene-d8	43.5			70 (74) - 130 (123)	87%	SPK: 50		
460-00-4	4-Bromofluorobenzene	52.1			70 (52) - 130 (138)	104%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	225000							
540-36-3	1,4-Difluorobenzene	534000							
3114-55-4	Chlorobenzene-d5	545000							
3855-82-1	1,4-Dichlorobenzene-d4	237000							

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

Raw Data: **VW032486.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/17/25
Project:	PVWC Linear Construction	Date Received:	11/18/25
Client Sample ID:	B1-0.5-1.0-20251117	SDG No.:	Q3662
Lab Sample ID:	Q3662-03	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	92.6
Sample Wt/Vol:	6.12 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.00	U	1	1.00	4.40	ug/Kg	11/18/25 16:58	VW111825
74-87-3	Chloromethane	1.00	U	1	1.00	4.40	ug/Kg	11/18/25 16:58	VW111825
75-01-4	Vinyl Chloride	0.70	U	1	0.70	4.40	ug/Kg	11/18/25 16:58	VW111825
74-83-9	Bromomethane	0.94	U	1	0.94	4.40	ug/Kg	11/18/25 16:58	VW111825
75-00-3	Chloroethane	1.10	U	1	1.10	4.40	ug/Kg	11/18/25 16:58	VW111825
75-69-4	Trichlorofluoromethane	1.10	U	1	1.10	4.40	ug/Kg	11/18/25 16:58	VW111825
76-13-1	1,1,2-Trichlorotrifluoroethane	0.94	U	1	0.94	4.40	ug/Kg	11/18/25 16:58	VW111825
75-35-4	1,1-Dichloroethene	0.88	U	1	0.88	4.40	ug/Kg	11/18/25 16:58	VW111825
67-64-1	Acetone	4.20	U	1	4.20	22.1	ug/Kg	11/18/25 16:58	VW111825
75-15-0	Carbon Disulfide	0.94	U	1	0.94	4.40	ug/Kg	11/18/25 16:58	VW111825
1634-04-4	Methyl tert-butyl Ether	0.64	U	1	0.64	4.40	ug/Kg	11/18/25 16:58	VW111825
79-20-9	Methyl Acetate	1.40	U	1	1.40	4.40	ug/Kg	11/18/25 16:58	VW111825
75-09-2	Methylene Chloride	3.10	U	1	3.10	8.80	ug/Kg	11/18/25 16:58	VW111825
156-60-5	trans-1,2-Dichloroethene	0.76	U	1	0.76	4.40	ug/Kg	11/18/25 16:58	VW111825
75-34-3	1,1-Dichloroethane	0.71	U	1	0.71	4.40	ug/Kg	11/18/25 16:58	VW111825
110-82-7	Cyclohexane	0.70	U	1	0.70	4.40	ug/Kg	11/18/25 16:58	VW111825
78-93-3	2-Butanone	5.80	U	1	5.80	22.1	ug/Kg	11/18/25 16:58	VW111825
56-23-5	Carbon Tetrachloride	0.86	U	1	0.86	4.40	ug/Kg	11/18/25 16:58	VW111825
156-59-2	cis-1,2-Dichloroethene	0.66	U	1	0.66	4.40	ug/Kg	11/18/25 16:58	VW111825
74-97-5	Bromochloromethane	1.00	U	1	1.00	4.40	ug/Kg	11/18/25 16:58	VW111825
67-66-3	Chloroform	0.74	U	1	0.74	4.40	ug/Kg	11/18/25 16:58	VW111825
71-55-6	1,1,1-Trichloroethane	0.82	U	1	0.82	4.40	ug/Kg	11/18/25 16:58	VW111825
108-87-2	Methylcyclohexane	0.80	U	1	0.80	4.40	ug/Kg	11/18/25 16:58	VW111825
71-43-2	Benzene	0.70	U	1	0.70	4.40	ug/Kg	11/18/25 16:58	VW111825
107-06-2	1,2-Dichloroethane	0.70	U	1	0.70	4.40	ug/Kg	11/18/25 16:58	VW111825
79-01-6	Trichloroethene	0.71	U	1	0.71	4.40	ug/Kg	11/18/25 16:58	VW111825
78-87-5	1,2-Dichloropropane	0.80	U	1	0.80	4.40	ug/Kg	11/18/25 16:58	VW111825
75-27-4	Bromodichloromethane	0.69	U	1	0.69	4.40	ug/Kg	11/18/25 16:58	VW111825
108-10-1	4-Methyl-2-Pentanone	3.20	U	1	3.20	22.1	ug/Kg	11/18/25 16:58	VW111825
108-88-3	Toluene	0.69	U	1	0.69	4.40	ug/Kg	11/18/25 16:58	VW111825
10061-02-6	t-1,3-Dichloropropene	0.57	U	1	0.57	4.40	ug/Kg	11/18/25 16:58	VW111825
10061-01-5	cis-1,3-Dichloropropene	0.55	U	1	0.55	4.40	ug/Kg	11/18/25 16:58	VW111825
79-00-5	1,1,2-Trichloroethane	0.81	U	1	0.81	4.40	ug/Kg	11/18/25 16:58	VW111825
591-78-6	2-Hexanone	3.30	U	1	3.30	22.1	ug/Kg	11/18/25 16:58	VW111825
124-48-1	Dibromochloromethane	0.77	U	1	0.77	4.40	ug/Kg	11/18/25 16:58	VW111825
106-93-4	1,2-Dibromoethane	0.78	U	1	0.78	4.40	ug/Kg	11/18/25 16:58	VW111825
127-18-4	Tetrachloroethene	0.93	U	1	0.93	4.40	ug/Kg	11/18/25 16:58	VW111825
108-90-7	Chlorobenzene	0.80	U	1	0.80	4.40	ug/Kg	11/18/25 16:58	VW111825
100-41-4	Ethyl Benzene	0.59	U	1	0.59	4.40	ug/Kg	11/18/25 16:58	VW111825
179601-23-1	m/p-Xylenes	1.10	U	1	1.10	8.80	ug/Kg	11/18/25 16:58	VW111825
95-47-6	o-Xylene	0.72	U	1	0.72	4.40	ug/Kg	11/18/25 16:58	VW111825
100-42-5	Styrene	0.63	U	1	0.63	4.40	ug/Kg	11/18/25 16:58	VW111825
75-25-2	Bromoform	0.76	U	1	0.76	4.40	ug/Kg	11/18/25 16:58	VW111825

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Report of Analysis

Client:	HDR, Inc.			Date Collected:	11/17/25
Project:	PVWC Linear Construction			Date Received:	11/18/25
Client Sample ID:	B1-0.5-1.0-20251117			SDG No.:	Q3662
Lab Sample ID:	Q3662-03			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	92.6
Sample Wt/Vol:	6.12 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.69	U	1	0.69	4.40	ug/Kg	11/18/25 16:58	VW111825
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1	1.10	4.40	ug/Kg	11/18/25 16:58	VW111825
541-73-1	1,3-Dichlorobenzene	1.50	U	1	1.50	4.40	ug/Kg	11/18/25 16:58	VW111825
106-46-7	1,4-Dichlorobenzene	1.40	U	1	1.40	4.40	ug/Kg	11/18/25 16:58	VW111825
95-50-1	1,2-Dichlorobenzene	1.30	U	1	1.30	4.40	ug/Kg	11/18/25 16:58	VW111825
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1	1.60	4.40	ug/Kg	11/18/25 16:58	VW111825
120-82-1	1,2,4-Trichlorobenzene	2.60	U	1	2.60	4.40	ug/Kg	11/18/25 16:58	VW111825
87-61-6	1,2,3-Trichlorobenzene	2.80	U	1	2.80	4.40	ug/Kg	11/18/25 16:58	VW111825
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	57.3			70 (63) - 130 (155)	115%	SPK: 50		
1868-53-7	Dibromofluoromethane	47.7			70 (70) - 130 (134)	95%	SPK: 50		
2037-26-5	Toluene-d8	44.4			70 (74) - 130 (123)	89%	SPK: 50		
460-00-4	4-Bromofluorobenzene	56.1			70 (52) - 130 (138)	112%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	221000							
540-36-3	1,4-Difluorobenzene	524000							
3114-55-4	Chlorobenzene-d5	583000							
3855-82-1	1,4-Dichlorobenzene-d4	283000							

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,
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Surrogate Summary

SDG No.: Q3662

Client: HDR, Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3662-01	B3-0.5-1.0-20251117	1,2-Dichloroethane-d4	50	55.3	111		70 (63)	130 (155)
		Dibromofluoromethane	50	47.5	95		70 (70)	130 (134)
		Toluene-d8	50	43.5	87		70 (74)	130 (123)
		4-Bromofluorobenzene	50	52.1	104		70 (52)	130 (138)
Q3662-03	B1-0.5-1.0-20251117	1,2-Dichloroethane-d4	50	57.3	115		70 (63)	130 (155)
		Dibromofluoromethane	50	47.8	95		70 (70)	130 (134)
		Toluene-d8	50	44.4	89		70 (74)	130 (123)
		4-Bromofluorobenzene	50	56.1	112		70 (52)	130 (138)
VW1118SBL01	VW1118SBL01	1,2-Dichloroethane-d4	50	64.7	129		70 (63)	130 (155)
		Dibromofluoromethane	50	52.3	105		70 (70)	130 (134)
		Toluene-d8	50	47.4	95		70 (74)	130 (123)
		4-Bromofluorobenzene	50	52.0	104		70 (52)	130 (138)
VW1118SBS01	VW1118SBS01	1,2-Dichloroethane-d4	50	53.7	107		70 (63)	130 (155)
		Dibromofluoromethane	50	52.0	104		70 (70)	130 (134)
		Toluene-d8	50	52.0	104		70 (74)	130 (123)
		4-Bromofluorobenzene	50	51.7	103		70 (52)	130 (138)
VW1118SBSD0	VW1118SBSD01	1,2-Dichloroethane-d4	50	52.1	104		70 (63)	130 (155)
		Dibromofluoromethane	50	50.5	101		70 (70)	130 (134)
		Toluene-d8	50	51.2	102		70 (74)	130 (123)
		4-Bromofluorobenzene	50	49.7	99		70 (52)	130 (138)

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3662 **Analytical Method:** SW8260D

Client: HDR, Inc. **Datafile :** VW032470.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW1118SBS01	Dichlorodifluoromethane	20	20.6	ug/Kg	103			40 (64)	160 (136)	
	Chloromethane	20	22.4	ug/Kg	112			40 (73)	160 (129)	
	Vinyl chloride	20	22.2	ug/Kg	111			70 (73)	130 (133)	
	Bromomethane	20	21.5	ug/Kg	108			40 (77)	160 (137)	
	Chloroethane	20	21.2	ug/Kg	106			40 (69)	160 (130)	
	Trichlorofluoromethane	20	18.4	ug/Kg	92			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	21.8	ug/Kg	109			70 (81)	130 (123)	
	1,1-Dichloroethene	20	21.9	ug/Kg	110			70 (79)	130 (121)	
	Acetone	100	110	ug/Kg	110			40 (60)	160 (174)	
	Carbon disulfide	20	21.0	ug/Kg	105			40 (73)	160 (125)	
	Methyl tert-butyl Ether	20	20.8	ug/Kg	104			70 (77)	130 (129)	
	Methyl Acetate	20	20.2	ug/Kg	101			70 (51)	130 (140)	
	Methylene Chloride	20	24.2	ug/Kg	121			70 (54)	130 (158)	
	trans-1,2-Dichloroethene	20	21.8	ug/Kg	109			70 (80)	130 (123)	
	1,1-Dichloroethane	20	22.2	ug/Kg	111			70 (82)	130 (123)	
	Cyclohexane	20	21.9	ug/Kg	110			70 (76)	130 (122)	
	2-Butanone	100	100	ug/Kg	100			40 (69)	160 (131)	
	Carbon Tetrachloride	20	21.6	ug/Kg	108			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	21.1	ug/Kg	106			70 (82)	130 (123)	
	Bromochloromethane	20	22.7	ug/Kg	114			70 (80)	130 (127)	
	Chloroform	20	22.5	ug/Kg	113			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	21.7	ug/Kg	109			70 (80)	130 (126)	
	Methylcyclohexane	20	20.6	ug/Kg	103			70 (77)	130 (123)	
	Benzene	20	21.9	ug/Kg	110			70 (84)	130 (121)	
	1,2-Dichloroethane	20	22.2	ug/Kg	111			70 (81)	130 (126)	
	Trichloroethene	20	21.3	ug/Kg	106			70 (83)	130 (122)	
	1,2-Dichloropropane	20	22.1	ug/Kg	111			70 (83)	130 (122)	
	Bromodichloromethane	20	21.8	ug/Kg	109			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	110	ug/Kg	110			40 (70)	160 (135)	
	Toluene	20	21.6	ug/Kg	108			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	20.5	ug/Kg	103			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	20.8	ug/Kg	104			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	21.3	ug/Kg	106			70 (82)	130 (125)	
	2-Hexanone	100	100	ug/Kg	100			40 (66)	160 (138)	
	Dibromochloromethane	20	20.9	ug/Kg	104			70 (79)	130 (125)	
	1,2-Dibromoethane	20	21.4	ug/Kg	107			70 (80)	130 (125)	
	Tetrachloroethene	20	21.7	ug/Kg	109			70 (83)	130 (125)	
	Chlorobenzene	20	21.6	ug/Kg	108			70 (84)	130 (122)	
	Ethyl Benzene	20	21.2	ug/Kg	106			70 (82)	130 (124)	
	m/p-Xylenes	40	43.5	ug/Kg	109			70 (83)	130 (124)	
	o-Xylene	20	21.4	ug/Kg	107			70 (83)	130 (123)	
	Styrene	20	21.6	ug/Kg	108			70 (82)	130 (124)	
	Bromoform	20	20.1	ug/Kg	101			70 (75)	130 (127)	
	Isopropylbenzene	20	20.1	ug/Kg	101			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	21.1	ug/Kg	106			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	21.2	ug/Kg	106			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	20.7	ug/Kg	104			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	21.1	ug/Kg	106			70 (83)	130 (124)	

( ) = LABORATORY INHOUSE LIMIT

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Fax : 908 789 8922

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3662 **Analytical Method:** SW8260D

Client: HDR, Inc. **Datafile :** VW032470.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW1118SBS01	1,2-Dibromo-3-Chloropropane	20	19.2	ug/Kg	96			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	20.1	ug/Kg	101			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	20.0	ug/Kg	100			70 (70)	130 (137)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3662 **Analytical Method:** SW8260D

Client: HDR, Inc. **Datafile :** VW032471.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VW1118SBSD01	Dichlorodifluoromethane	20	21.9	ug/Kg	110	7		40 (64)	160 (136)	30 (20)
	Chloromethane	20	22.0	ug/Kg	110	2		40 (73)	160 (129)	30 (15)
	Vinyl chloride	20	22.5	ug/Kg	113	2		70 (73)	130 (133)	30 (15)
	Bromomethane	20	22.2	ug/Kg	111	3		40 (77)	160 (137)	30 (15)
	Chloroethane	20	21.7	ug/Kg	109	3		40 (69)	160 (130)	30 (15)
	Trichlorofluoromethane	20	22.1	ug/Kg	111	19		40 (69)	160 (134)	30 (27)
	1,1,2-Trichlorotrifluoroethane	20	22.7	ug/Kg	114	4		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	22.3	ug/Kg	112	2		70 (79)	130 (121)	30 (16)
	Acetone	100	100	ug/Kg	100	10		40 (60)	160 (174)	30 (28)
	Carbon disulfide	20	21.5	ug/Kg	108	3		40 (73)	160 (125)	30 (15)
	Methyl tert-butyl Ether	20	20.7	ug/Kg	104	0		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	20.0	ug/Kg	100	1		70 (51)	130 (140)	30 (30)
	Methylene Chloride	20	23.6	ug/Kg	118	3		70 (54)	130 (158)	30 (20)
	trans-1,2-Dichloroethene	20	22.1	ug/Kg	111	2		70 (80)	130 (123)	30 (15)
	1,1-Dichloroethane	20	22.6	ug/Kg	113	2		70 (82)	130 (123)	30 (15)
	Cyclohexane	20	22.0	ug/Kg	110	0		70 (76)	130 (122)	30 (15)
	2-Butanone	100	100	ug/Kg	100	0		40 (69)	160 (131)	30 (29)
	Carbon Tetrachloride	20	22.5	ug/Kg	113	5		70 (76)	130 (129)	30 (15)
	cis-1,2-Dichloroethene	20	21.6	ug/Kg	108	2		70 (82)	130 (123)	30 (15)
	Bromochloromethane	20	22.8	ug/Kg	114	0		70 (80)	130 (127)	30 (15)
	Chloroform	20	22.7	ug/Kg	114	1		70 (82)	130 (125)	30 (15)
	1,1,1-Trichloroethane	20	22.3	ug/Kg	112	3		70 (80)	130 (126)	30 (15)
	Methylcyclohexane	20	20.8	ug/Kg	104	1		70 (77)	130 (123)	30 (15)
	Benzene	20	21.8	ug/Kg	109	1		70 (84)	130 (121)	30 (15)
	1,2-Dichloroethane	20	21.8	ug/Kg	109	2		70 (81)	130 (126)	30 (15)
	Trichloroethene	20	21.3	ug/Kg	106	0		70 (83)	130 (122)	30 (15)
	1,2-Dichloropropane	20	21.8	ug/Kg	109	2		70 (83)	130 (122)	30 (15)
	Bromodichloromethane	20	21.4	ug/Kg	107	2		70 (82)	130 (123)	30 (15)
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	0		40 (70)	160 (135)	30 (26)
	Toluene	20	21.9	ug/Kg	110	2		70 (83)	130 (122)	30 (15)
	t-1,3-Dichloropropene	20	20.4	ug/Kg	102	1		70 (78)	130 (124)	30 (15)
	cis-1,3-Dichloropropene	20	20.8	ug/Kg	104	0		70 (81)	130 (122)	30 (15)
	1,1,2-Trichloroethane	20	21.2	ug/Kg	106	0		70 (82)	130 (125)	30 (15)
	2-Hexanone	100	100	ug/Kg	100	0		40 (66)	160 (138)	30 (27)
	Dibromochloromethane	20	20.7	ug/Kg	104	0		70 (79)	130 (125)	30 (15)
	1,2-Dibromoethane	20	20.9	ug/Kg	104	3		70 (80)	130 (125)	30 (16)
	Tetrachloroethene	20	21.2	ug/Kg	106	3		70 (83)	130 (125)	30 (15)
	Chlorobenzene	20	21.5	ug/Kg	108	0		70 (84)	130 (122)	30 (15)
	Ethyl Benzene	20	21.9	ug/Kg	110	4		70 (82)	130 (124)	30 (15)
	m/p-Xylenes	40	44.4	ug/Kg	111	2		70 (83)	130 (124)	30 (15)
	o-Xylene	20	21.2	ug/Kg	106	1		70 (83)	130 (123)	30 (15)
	Styrene	20	21.9	ug/Kg	110	2		70 (82)	130 (124)	30 (15)
	Bromoform	20	19.3	ug/Kg	97	4		70 (75)	130 (127)	30 (16)
	Isopropylbenzene	20	21.7	ug/Kg	109	8		70 (82)	130 (124)	30 (15)
	1,1,2,2-Tetrachloroethane	20	22.3	ug/Kg	112	6		70 (77)	130 (127)	30 (21)
	1,3-Dichlorobenzene	20	22.5	ug/Kg	113	6		70 (83)	130 (122)	30 (15)
	1,4-Dichlorobenzene	20	21.6	ug/Kg	108	4		70 (84)	130 (121)	30 (15)
	1,2-Dichlorobenzene	20	21.7	ug/Kg	109	3		70 (83)	130 (124)	30 (15)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3662 **Analytical Method:** SW8260D

Client: HDR, Inc. **Datafile :** VW032471.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VW1118SBSD01	1,2-Dibromo-3-Chloropropane	20	19.8	ug/Kg	99	3		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	19.9	ug/Kg	100	1		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	20.5	ug/Kg	103	3		70 (70)	130 (137)	30 (16)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

Client ID: VW1118SBL01

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG NO.: Q3662

Lab File ID: VW032469.D Lab Sample ID: VW1118SBL01

Date Analyzed: 11/18/2025 Time Analyzed: 10:13

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

Instrument ID: MSVOA_W

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VW1118SBS01	VW1118SBS01	VW032470.D	11/18/2025
VW1118SBSD01	VW1118SBSD01	VW032471.D	11/18/2025
B3-0.5-1.0-20251117	Q3662-01	VW032485.D	11/18/2025
B1-0.5-1.0-20251117	Q3662-03	VW032486.D	11/18/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: HDRI08

Lab Code: ACE | SDG NO.: Q3662

Lab File ID: VW032405.D | BFB Injection Date: 11/10/2025

Instrument ID: MSVOA_W | BFB Injection Time: 14:20

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	18.7
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	6.7
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	67.1
175	5.0 - 9.0% of mass 174	5.1 (7.6) 1
176	95.0 - 101.0% of mass 174	66.1 (98.5) 1
177	5.0 - 9.0% of mass 176	4.1 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VW032406.D	11/10/2025	15:11
VSTDICC010	VSTDICC010	VW032407.D	11/10/2025	15:33
VSTDICC020	VSTDICC020	VW032408.D	11/10/2025	15:55
VSTDICCC050	VSTDICCC050	VW032409.D	11/10/2025	16:17
VSTDICC100	VSTDICC100	VW032410.D	11/10/2025	16:39
VSTDICC150	VSTDICC150	VW032411.D	11/10/2025	17:00

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: HDRI08

Lab Code: ACE | SDG NO.: Q3662

Lab File ID: VW032467.D | BFB Injection Date: 11/18/2025

Instrument ID: MSVOA_W | BFB Injection Time: 09:15

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	18.3
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	6.5
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	64.4
175	5.0 - 9.0% of mass 174	4.9 (7.7) 1
176	95.0 - 101.0% of mass 174	61.6 (95.7) 1
177	5.0 - 9.0% of mass 176	3.9 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VW032468.D	11/18/2025	09:46
VW1118SBL01	VW1118SBL01	VW032469.D	11/18/2025	10:13
VW1118SBS01	VW1118SBS01	VW032470.D	11/18/2025	10:40
VW1118SBSD01	VW1118SBSD01	VW032471.D	11/18/2025	11:02
B3-0.5-1.0-20251117	Q3662-01	VW032485.D	11/18/2025	16:36
B1-0.5-1.0-20251117	Q3662-03	VW032486.D	11/18/2025	16:58

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG NO.: Q3662

Lab File ID: VW032468.D Date Analyzed: 11/18/2025

Instrument ID: MSVOA_W Time Analyzed: 09:46

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	361815	7.95	661363	8.85	600329	11.63
UPPER LIMIT	723630	8.453	1322730	9.349	1200660	12.129
LOWER LIMIT	180908	7.453	330682	8.349	300165	11.129
EPA SAMPLE NO.						
B3-0.5-1.0-20251117	225287	7.97	534048	8.85	544672	11.63
B1-0.5-1.0-20251117	221426	7.97	523942	8.85	582743	11.63
VW1118SBL01	212726	7.96	511741	8.85	533709	11.63
VW1118SBS01	368383	7.96	685400	8.85	608119	11.63
VW1118SBSD01	367695	7.96	692034	8.85	614192	11.63

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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG NO.: Q3662

Lab File ID: VW032468.D Date Analyzed: 11/18/2025

Instrument ID: MSVOA_W Time Analyzed: 09:46

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

	IS4 AREA #	RT #				
12 HOUR STD	279351	13.556				
UPPER LIMIT	558702	14.056				
LOWER LIMIT	139676	13.056				
EPA SAMPLE NO.						
B3-0.5-1.0-20251117	237264	13.56				
B1-0.5-1.0-20251117	283484	13.56				
VW1118SBL01	261053	13.56				
VW1118SBS01	294055	13.56				
VW1118SBSD01	277057	13.56				

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

Raw Data: **VW032469.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	HDR, Inc.	Date Collected:	
Project:	PVWC Linear Construction	Date Received:	
Client Sample ID:	VW1118SBL01	SDG No.:	Q3662
Lab Sample ID:	VW1118SBL01	Matrix:	SOIL
Analytical Method:	8260D	Level: LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.10	U	1	1.10	5.00	ug/Kg	11/18/25 10:13	VW111825
74-87-3	Chloromethane	1.10	U	1	1.10	5.00	ug/Kg	11/18/25 10:13	VW111825
75-01-4	Vinyl Chloride	0.79	U	1	0.79	5.00	ug/Kg	11/18/25 10:13	VW111825
74-83-9	Bromomethane	1.10	U	1	1.10	5.00	ug/Kg	11/18/25 10:13	VW111825
75-00-3	Chloroethane	1.30	U	1	1.30	5.00	ug/Kg	11/18/25 10:13	VW111825
75-69-4	Trichlorofluoromethane	1.20	U	1	1.20	5.00	ug/Kg	11/18/25 10:13	VW111825
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1	1.10	5.00	ug/Kg	11/18/25 10:13	VW111825
75-35-4	1,1-Dichloroethene	1.00	U	1	1.00	5.00	ug/Kg	11/18/25 10:13	VW111825
67-64-1	Acetone	4.70	U	1	4.70	25.0	ug/Kg	11/18/25 10:13	VW111825
75-15-0	Carbon Disulfide	1.10	U	1	1.10	5.00	ug/Kg	11/18/25 10:13	VW111825
1634-04-4	Methyl tert-butyl Ether	0.73	U	1	0.73	5.00	ug/Kg	11/18/25 10:13	VW111825
79-20-9	Methyl Acetate	1.50	U	1	1.50	5.00	ug/Kg	11/18/25 10:13	VW111825
75-09-2	Methylene Chloride	3.50	U	1	3.50	10.0	ug/Kg	11/18/25 10:13	VW111825
156-60-5	trans-1,2-Dichloroethene	0.86	U	1	0.86	5.00	ug/Kg	11/18/25 10:13	VW111825
75-34-3	1,1-Dichloroethane	0.80	U	1	0.80	5.00	ug/Kg	11/18/25 10:13	VW111825
110-82-7	Cyclohexane	0.79	U	1	0.79	5.00	ug/Kg	11/18/25 10:13	VW111825
78-93-3	2-Butanone	6.50	U	1	6.50	25.0	ug/Kg	11/18/25 10:13	VW111825
56-23-5	Carbon Tetrachloride	0.97	U	1	0.97	5.00	ug/Kg	11/18/25 10:13	VW111825
156-59-2	cis-1,2-Dichloroethene	0.75	U	1	0.75	5.00	ug/Kg	11/18/25 10:13	VW111825
74-97-5	Bromochloromethane	1.20	U	1	1.20	5.00	ug/Kg	11/18/25 10:13	VW111825
67-66-3	Chloroform	0.84	U	1	0.84	5.00	ug/Kg	11/18/25 10:13	VW111825
71-55-6	1,1,1-Trichloroethane	0.93	U	1	0.93	5.00	ug/Kg	11/18/25 10:13	VW111825
108-87-2	Methylcyclohexane	0.91	U	1	0.91	5.00	ug/Kg	11/18/25 10:13	VW111825
71-43-2	Benzene	0.79	U	1	0.79	5.00	ug/Kg	11/18/25 10:13	VW111825
107-06-2	1,2-Dichloroethane	0.79	U	1	0.79	5.00	ug/Kg	11/18/25 10:13	VW111825
79-01-6	Trichloroethene	0.81	U	1	0.81	5.00	ug/Kg	11/18/25 10:13	VW111825
78-87-5	1,2-Dichloropropane	0.91	U	1	0.91	5.00	ug/Kg	11/18/25 10:13	VW111825
75-27-4	Bromodichloromethane	0.78	U	1	0.78	5.00	ug/Kg	11/18/25 10:13	VW111825
108-10-1	4-Methyl-2-Pentanone	3.60	U	1	3.60	25.0	ug/Kg	11/18/25 10:13	VW111825
108-88-3	Toluene	0.78	U	1	0.78	5.00	ug/Kg	11/18/25 10:13	VW111825
10061-02-6	t-1,3-Dichloropropene	0.65	U	1	0.65	5.00	ug/Kg	11/18/25 10:13	VW111825
10061-01-5	cis-1,3-Dichloropropene	0.62	U	1	0.62	5.00	ug/Kg	11/18/25 10:13	VW111825
79-00-5	1,1,2-Trichloroethane	0.92	U	1	0.92	5.00	ug/Kg	11/18/25 10:13	VW111825
591-78-6	2-Hexanone	3.70	U	1	3.70	25.0	ug/Kg	11/18/25 10:13	VW111825
124-48-1	Dibromochloromethane	0.87	U	1	0.87	5.00	ug/Kg	11/18/25 10:13	VW111825
106-93-4	1,2-Dibromoethane	0.88	U	1	0.88	5.00	ug/Kg	11/18/25 10:13	VW111825
127-18-4	Tetrachloroethene	1.10	U	1	1.10	5.00	ug/Kg	11/18/25 10:13	VW111825
108-90-7	Chlorobenzene	0.91	U	1	0.91	5.00	ug/Kg	11/18/25 10:13	VW111825
100-41-4	Ethyl Benzene	0.67	U	1	0.67	5.00	ug/Kg	11/18/25 10:13	VW111825
179601-23-1	m/p-Xylenes	1.20	U	1	1.20	10.0	ug/Kg	11/18/25 10:13	VW111825
95-47-6	o-Xylene	0.82	U	1	0.82	5.00	ug/Kg	11/18/25 10:13	VW111825
100-42-5	Styrene	0.71	U	1	0.71	5.00	ug/Kg	11/18/25 10:13	VW111825
75-25-2	Bromoform	0.86	U	1	0.86	5.00	ug/Kg	11/18/25 10:13	VW111825

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

Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	VW1118SBL01			SDG No.:	Q3662
Lab Sample ID:	VW1118SBL01			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	100
Sample Wt/Vol:	5 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.78	U	1	0.78	5.00	ug/Kg	11/18/25 10:13	VW111825
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1	1.20	5.00	ug/Kg	11/18/25 10:13	VW111825
541-73-1	1,3-Dichlorobenzene	1.70	U	1	1.70	5.00	ug/Kg	11/18/25 10:13	VW111825
106-46-7	1,4-Dichlorobenzene	1.60	U	1	1.60	5.00	ug/Kg	11/18/25 10:13	VW111825
95-50-1	1,2-Dichlorobenzene	1.50	U	1	1.50	5.00	ug/Kg	11/18/25 10:13	VW111825
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1	1.80	5.00	ug/Kg	11/18/25 10:13	VW111825
120-82-1	1,2,4-Trichlorobenzene	3.00	U	1	3.00	5.00	ug/Kg	11/18/25 10:13	VW111825
87-61-6	1,2,3-Trichlorobenzene	3.20	U	1	3.20	5.00	ug/Kg	11/18/25 10:13	VW111825
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	64.7			70 (63) - 130 (155)	129%	SPK: 50		
1868-53-7	Dibromofluoromethane	52.3			70 (70) - 130 (134)	105%	SPK: 50		
2037-26-5	Toluene-d8	47.4			70 (74) - 130 (123)	95%	SPK: 50		
460-00-4	4-Bromofluorobenzene	52.0			70 (52) - 130 (138)	104%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	213000							
540-36-3	1,4-Difluorobenzene	512000							
3114-55-4	Chlorobenzene-d5	534000							
3855-82-1	1,4-Dichlorobenzene-d4	261000							

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

Raw Data: **VW032470.D**

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

Report of Analysis

Client:	HDR, Inc.		Date Collected:		
Project:	PVWC Linear Construction		Date Received:		
Client Sample ID:	VW1118SBS01		SDG No.:	Q3662	
Lab Sample ID:	VW1118SBS01		Matrix:	SOIL	
Analytical Method:	8260D	Level: LOW	% Solid:	100	
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test:	VOC-TCLVOA-10	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	20.6		1	1.10	5.00	ug/Kg	11/18/25 10:40	VW111825
74-87-3	Chloromethane	22.4		1	1.10	5.00	ug/Kg	11/18/25 10:40	VW111825
75-01-4	Vinyl Chloride	22.2		1	0.79	5.00	ug/Kg	11/18/25 10:40	VW111825
74-83-9	Bromomethane	21.5		1	1.10	5.00	ug/Kg	11/18/25 10:40	VW111825
75-00-3	Chloroethane	21.2		1	1.30	5.00	ug/Kg	11/18/25 10:40	VW111825
75-69-4	Trichlorofluoromethane	18.4		1	1.20	5.00	ug/Kg	11/18/25 10:40	VW111825
76-13-1	1,1,2-Trichlorotrifluoroethane	21.8		1	1.10	5.00	ug/Kg	11/18/25 10:40	VW111825
75-35-4	1,1-Dichloroethene	21.9		1	1.00	5.00	ug/Kg	11/18/25 10:40	VW111825
67-64-1	Acetone	110		1	4.70	25.0	ug/Kg	11/18/25 10:40	VW111825
75-15-0	Carbon Disulfide	21.0		1	1.10	5.00	ug/Kg	11/18/25 10:40	VW111825
1634-04-4	Methyl tert-butyl Ether	20.8		1	0.73	5.00	ug/Kg	11/18/25 10:40	VW111825
79-20-9	Methyl Acetate	20.2		1	1.50	5.00	ug/Kg	11/18/25 10:40	VW111825
75-09-2	Methylene Chloride	24.2		1	3.50	10.0	ug/Kg	11/18/25 10:40	VW111825
156-60-5	trans-1,2-Dichloroethene	21.8		1	0.86	5.00	ug/Kg	11/18/25 10:40	VW111825
75-34-3	1,1-Dichloroethane	22.2		1	0.80	5.00	ug/Kg	11/18/25 10:40	VW111825
110-82-7	Cyclohexane	21.9		1	0.79	5.00	ug/Kg	11/18/25 10:40	VW111825
78-93-3	2-Butanone	100		1	6.50	25.0	ug/Kg	11/18/25 10:40	VW111825
56-23-5	Carbon Tetrachloride	21.6		1	0.97	5.00	ug/Kg	11/18/25 10:40	VW111825
156-59-2	cis-1,2-Dichloroethene	21.1		1	0.75	5.00	ug/Kg	11/18/25 10:40	VW111825
74-97-5	Bromochloromethane	22.7		1	1.20	5.00	ug/Kg	11/18/25 10:40	VW111825
67-66-3	Chloroform	22.5		1	0.84	5.00	ug/Kg	11/18/25 10:40	VW111825
71-55-6	1,1,1-Trichloroethane	21.7		1	0.93	5.00	ug/Kg	11/18/25 10:40	VW111825
108-87-2	Methylcyclohexane	20.6		1	0.91	5.00	ug/Kg	11/18/25 10:40	VW111825
71-43-2	Benzene	21.9		1	0.79	5.00	ug/Kg	11/18/25 10:40	VW111825
107-06-2	1,2-Dichloroethane	22.2		1	0.79	5.00	ug/Kg	11/18/25 10:40	VW111825
79-01-6	Trichloroethene	21.3		1	0.81	5.00	ug/Kg	11/18/25 10:40	VW111825
78-87-5	1,2-Dichloropropane	22.1		1	0.91	5.00	ug/Kg	11/18/25 10:40	VW111825
75-27-4	Bromodichloromethane	21.8		1	0.78	5.00	ug/Kg	11/18/25 10:40	VW111825
108-10-1	4-Methyl-2-Pentanone	110		1	3.60	25.0	ug/Kg	11/18/25 10:40	VW111825
108-88-3	Toluene	21.6		1	0.78	5.00	ug/Kg	11/18/25 10:40	VW111825
10061-02-6	t-1,3-Dichloropropene	20.5		1	0.65	5.00	ug/Kg	11/18/25 10:40	VW111825
10061-01-5	cis-1,3-Dichloropropene	20.8		1	0.62	5.00	ug/Kg	11/18/25 10:40	VW111825
79-00-5	1,1,2-Trichloroethane	21.3		1	0.92	5.00	ug/Kg	11/18/25 10:40	VW111825
591-78-6	2-Hexanone	100		1	3.70	25.0	ug/Kg	11/18/25 10:40	VW111825
124-48-1	Dibromochloromethane	20.9		1	0.87	5.00	ug/Kg	11/18/25 10:40	VW111825
106-93-4	1,2-Dibromoethane	21.4		1	0.88	5.00	ug/Kg	11/18/25 10:40	VW111825
127-18-4	Tetrachloroethene	21.7		1	1.10	5.00	ug/Kg	11/18/25 10:40	VW111825
108-90-7	Chlorobenzene	21.6		1	0.91	5.00	ug/Kg	11/18/25 10:40	VW111825
100-41-4	Ethyl Benzene	21.2		1	0.67	5.00	ug/Kg	11/18/25 10:40	VW111825
179601-23-1	m/p-Xylenes	43.5		1	1.20	10.0	ug/Kg	11/18/25 10:40	VW111825
95-47-6	o-Xylene	21.4		1	0.82	5.00	ug/Kg	11/18/25 10:40	VW111825
100-42-5	Styrene	21.6		1	0.71	5.00	ug/Kg	11/18/25 10:40	VW111825
75-25-2	Bromoform	20.1		1	0.86	5.00	ug/Kg	11/18/25 10:40	VW111825

Raw Data: **VW032470.D**

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

Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	VW1118SBS01			SDG No.:	Q3662
Lab Sample ID:	VW1118SBS01			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	100
Sample Wt/Vol:	5 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	20.1		1	0.78	5.00	ug/Kg	11/18/25 10:40	VW111825
79-34-5	1,1,2,2-Tetrachloroethane	21.1		1	1.20	5.00	ug/Kg	11/18/25 10:40	VW111825
541-73-1	1,3-Dichlorobenzene	21.2		1	1.70	5.00	ug/Kg	11/18/25 10:40	VW111825
106-46-7	1,4-Dichlorobenzene	20.7		1	1.60	5.00	ug/Kg	11/18/25 10:40	VW111825
95-50-1	1,2-Dichlorobenzene	21.1		1	1.50	5.00	ug/Kg	11/18/25 10:40	VW111825
96-12-8	1,2-Dibromo-3-Chloropropane	19.2		1	1.80	5.00	ug/Kg	11/18/25 10:40	VW111825
120-82-1	1,2,4-Trichlorobenzene	20.1		1	3.00	5.00	ug/Kg	11/18/25 10:40	VW111825
87-61-6	1,2,3-Trichlorobenzene	20.0		1	3.20	5.00	ug/Kg	11/18/25 10:40	VW111825
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	53.7			70 (63) - 130 (155)	107%	SPK: 50		
1868-53-7	Dibromofluoromethane	52.0			70 (70) - 130 (134)	104%	SPK: 50		
2037-26-5	Toluene-d8	52.0			70 (74) - 130 (123)	104%	SPK: 50		
460-00-4	4-Bromofluorobenzene	51.7			70 (52) - 130 (138)	103%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	368000							
540-36-3	1,4-Difluorobenzene	685000							
3114-55-4	Chlorobenzene-d5	608000							
3855-82-1	1,4-Dichlorobenzene-d4	294000							

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

Raw Data: **VW032471.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	
Project:	PVWC Linear Construction	Date Received:	
Client Sample ID:	VW1118SBSD01	SDG No.:	Q3662
Lab Sample ID:	VW1118SBSD01	Matrix:	SOIL
Analytical Method:	8260D	Level: LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	21.9		1	1.10	5.00	ug/Kg	11/18/25 11:02	VW111825
74-87-3	Chloromethane	22.0		1	1.10	5.00	ug/Kg	11/18/25 11:02	VW111825
75-01-4	Vinyl Chloride	22.5		1	0.79	5.00	ug/Kg	11/18/25 11:02	VW111825
74-83-9	Bromomethane	22.2		1	1.10	5.00	ug/Kg	11/18/25 11:02	VW111825
75-00-3	Chloroethane	21.7		1	1.30	5.00	ug/Kg	11/18/25 11:02	VW111825
75-69-4	Trichlorofluoromethane	22.1		1	1.20	5.00	ug/Kg	11/18/25 11:02	VW111825
76-13-1	1,1,2-Trichlorotrifluoroethane	22.7		1	1.10	5.00	ug/Kg	11/18/25 11:02	VW111825
75-35-4	1,1-Dichloroethene	22.3		1	1.00	5.00	ug/Kg	11/18/25 11:02	VW111825
67-64-1	Acetone	100		1	4.70	25.0	ug/Kg	11/18/25 11:02	VW111825
75-15-0	Carbon Disulfide	21.5		1	1.10	5.00	ug/Kg	11/18/25 11:02	VW111825
1634-04-4	Methyl tert-butyl Ether	20.7		1	0.73	5.00	ug/Kg	11/18/25 11:02	VW111825
79-20-9	Methyl Acetate	20.0		1	1.50	5.00	ug/Kg	11/18/25 11:02	VW111825
75-09-2	Methylene Chloride	23.6		1	3.50	10.0	ug/Kg	11/18/25 11:02	VW111825
156-60-5	trans-1,2-Dichloroethene	22.1		1	0.86	5.00	ug/Kg	11/18/25 11:02	VW111825
75-34-3	1,1-Dichloroethane	22.6		1	0.80	5.00	ug/Kg	11/18/25 11:02	VW111825
110-82-7	Cyclohexane	22.0		1	0.79	5.00	ug/Kg	11/18/25 11:02	VW111825
78-93-3	2-Butanone	100		1	6.50	25.0	ug/Kg	11/18/25 11:02	VW111825
56-23-5	Carbon Tetrachloride	22.5		1	0.97	5.00	ug/Kg	11/18/25 11:02	VW111825
156-59-2	cis-1,2-Dichloroethene	21.6		1	0.75	5.00	ug/Kg	11/18/25 11:02	VW111825
74-97-5	Bromochloromethane	22.8		1	1.20	5.00	ug/Kg	11/18/25 11:02	VW111825
67-66-3	Chloroform	22.7		1	0.84	5.00	ug/Kg	11/18/25 11:02	VW111825
71-55-6	1,1,1-Trichloroethane	22.3		1	0.93	5.00	ug/Kg	11/18/25 11:02	VW111825
108-87-2	Methylcyclohexane	20.8		1	0.91	5.00	ug/Kg	11/18/25 11:02	VW111825
71-43-2	Benzene	21.8		1	0.79	5.00	ug/Kg	11/18/25 11:02	VW111825
107-06-2	1,2-Dichloroethane	21.8		1	0.79	5.00	ug/Kg	11/18/25 11:02	VW111825
79-01-6	Trichloroethene	21.3		1	0.81	5.00	ug/Kg	11/18/25 11:02	VW111825
78-87-5	1,2-Dichloropropane	21.8		1	0.91	5.00	ug/Kg	11/18/25 11:02	VW111825
75-27-4	Bromodichloromethane	21.4		1	0.78	5.00	ug/Kg	11/18/25 11:02	VW111825
108-10-1	4-Methyl-2-Pentanone	110		1	3.60	25.0	ug/Kg	11/18/25 11:02	VW111825
108-88-3	Toluene	21.9		1	0.78	5.00	ug/Kg	11/18/25 11:02	VW111825
10061-02-6	t-1,3-Dichloropropene	20.4		1	0.65	5.00	ug/Kg	11/18/25 11:02	VW111825
10061-01-5	cis-1,3-Dichloropropene	20.8		1	0.62	5.00	ug/Kg	11/18/25 11:02	VW111825
79-00-5	1,1,2-Trichloroethane	21.2		1	0.92	5.00	ug/Kg	11/18/25 11:02	VW111825
591-78-6	2-Hexanone	100		1	3.70	25.0	ug/Kg	11/18/25 11:02	VW111825
124-48-1	Dibromochloromethane	20.7		1	0.87	5.00	ug/Kg	11/18/25 11:02	VW111825
106-93-4	1,2-Dibromoethane	20.9		1	0.88	5.00	ug/Kg	11/18/25 11:02	VW111825
127-18-4	Tetrachloroethene	21.2		1	1.10	5.00	ug/Kg	11/18/25 11:02	VW111825
108-90-7	Chlorobenzene	21.5		1	0.91	5.00	ug/Kg	11/18/25 11:02	VW111825
100-41-4	Ethyl Benzene	21.9		1	0.67	5.00	ug/Kg	11/18/25 11:02	VW111825
179601-23-1	m/p-Xylenes	44.4		1	1.20	10.0	ug/Kg	11/18/25 11:02	VW111825
95-47-6	o-Xylene	21.2		1	0.82	5.00	ug/Kg	11/18/25 11:02	VW111825
100-42-5	Styrene	21.9		1	0.71	5.00	ug/Kg	11/18/25 11:02	VW111825
75-25-2	Bromoform	19.3		1	0.86	5.00	ug/Kg	11/18/25 11:02	VW111825

Raw Data: **VW032471.D**

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

Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	VW1118SBSD01			SDG No.:	Q3662
Lab Sample ID:	VW1118SBSD01			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	100
Sample Wt/Vol:	5 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	21.7		1	0.78	5.00	ug/Kg	11/18/25 11:02	VW111825
79-34-5	1,1,2,2-Tetrachloroethane	22.3		1	1.20	5.00	ug/Kg	11/18/25 11:02	VW111825
541-73-1	1,3-Dichlorobenzene	22.5		1	1.70	5.00	ug/Kg	11/18/25 11:02	VW111825
106-46-7	1,4-Dichlorobenzene	21.6		1	1.60	5.00	ug/Kg	11/18/25 11:02	VW111825
95-50-1	1,2-Dichlorobenzene	21.7		1	1.50	5.00	ug/Kg	11/18/25 11:02	VW111825
96-12-8	1,2-Dibromo-3-Chloropropane	19.8		1	1.80	5.00	ug/Kg	11/18/25 11:02	VW111825
120-82-1	1,2,4-Trichlorobenzene	19.9		1	3.00	5.00	ug/Kg	11/18/25 11:02	VW111825
87-61-6	1,2,3-Trichlorobenzene	20.5		1	3.20	5.00	ug/Kg	11/18/25 11:02	VW111825
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	52.2			70 (63) - 130 (155)	104%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.5			70 (70) - 130 (134)	101%	SPK: 50		
2037-26-5	Toluene-d8	51.2			70 (74) - 130 (123)	102%	SPK: 50		
460-00-4	4-Bromofluorobenzene	49.7			70 (52) - 130 (138)	99%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	368000							
540-36-3	1,4-Difluorobenzene	692000							
3114-55-4	Chlorobenzene-d5	614000							
3855-82-1	1,4-Dichlorobenzene-d4	277000							

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG No.: Q3662

Instrument ID: MSVOA_W Calibration Date(s): 11/10/2025 11/10/2025

Heated Purge: (Y/N) Y Calibration Time(s): 15:11 17:00

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

LAB FILE ID: RRF005 = VW032406.D RRF010 = VW032407.D RRF020 = VW032408.D
RRF050 = VW032409.D RRF100 = VW032410.D RRF150 = VW032411.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.288	0.282	0.231	0.248	0.243	0.230	0.254	10
Chloromethane	0.476	0.439	0.408	0.408	0.438	0.440	0.435	5.8
Vinyl Chloride	0.591	0.567	0.525	0.538	0.543	0.528	0.549	4.6
Bromomethane	0.402	0.371	0.350	0.358	0.364	0.358	0.367	5.1
Chloroethane	0.382	0.361	0.340	0.355	0.362	0.354	0.359	3.9
Trichlorofluoromethane	0.420	0.416	0.392	0.459	0.442	0.452	0.430	5.9
1,1,2-Trichlorotrifluoroethane	0.506	0.495	0.438	0.467	0.458	0.449	0.469	5.6
1,1-Dichloroethene	0.576	0.541	0.506	0.540	0.539	0.523	0.537	4.3
Acetone	0.216	0.194	0.183	0.186	0.190	0.188	0.193	6.3
Carbon Disulfide	1.604	1.574	1.497	1.608	1.644	1.603	1.588	3.1
Methyl tert-butyl Ether	1.186	1.163	1.107	1.139	1.126	1.076	1.133	3.5
Methyl Acetate	0.486	0.494	0.459	0.463	0.476	0.487	0.478	2.9
Methylene Chloride	0.789	0.741	0.682	0.640	0.658	0.629	0.690	9.1
trans-1,2-Dichloroethene	0.646	0.619	0.596	0.603	0.624	0.598	0.615	3.1
1,1-Dichloroethane	1.217	1.156	1.091	1.148	1.168	1.138	1.153	3.5
Cyclohexane	1.236	1.141	1.016	1.027	1.003	0.976	1.066	9.5
2-Butanone	0.292	0.288	0.282	0.280	0.284	0.278	0.284	1.9
Carbon Tetrachloride	0.392	0.398	0.386	0.399	0.386	0.391	0.392	1.4
cis-1,2-Dichloroethene	0.764	0.727	0.713	0.729	0.748	0.723	0.734	2.5
Bromochloromethane	0.606	0.563	0.533	0.502	0.538	0.527	0.545	6.6
Chloroform	1.164	1.165	1.089	1.109	1.141	1.103	1.129	2.9
1,1,1-Trichloroethane	0.831	0.820	0.776	0.817	0.817	0.777	0.806	2.9
Methylcyclohexane	0.560	0.575	0.562	0.598	0.562	0.572	0.571	2.5
Benzene	1.410	1.473	1.410	1.437	1.413	1.380	1.420	2.2
1,2-Dichloroethane	0.425	0.423	0.416	0.421	0.409	0.409	0.417	1.7
Trichloroethene	0.336	0.340	0.327	0.335	0.323	0.323	0.331	2.2
1,2-Dichloropropane	0.356	0.360	0.354	0.356	0.350	0.346	0.354	1.4
Bromodichloromethane	0.460	0.469	0.456	0.482	0.481	0.482	0.471	2.5
4-Methyl-2-Pentanone	0.304	0.329	0.330	0.336	0.317	0.311	0.321	3.9
Toluene	0.875	0.896	0.870	0.894	0.870	0.859	0.877	1.7

* 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: Alliance Contract: HDRI08

Lab Code: ACE SDG No.: Q3662

Instrument ID: MSVOA_W Calibration Date(s): 11/10/2025 11/10/2025

Heated Purge: (Y/N) Y Calibration Time(s): 15:11 17:00

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

LAB FILE ID: RRF005 = VW032406.D RRF010 = VW032407.D RRF020 = VW032408.D
RRF050 = VW032409.D RRF100 = VW032410.D RRF150 = VW032411.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.445	0.481	0.469	0.504	0.508	0.507	0.486	5.2
cis-1,3-Dichloropropene	0.531	0.553	0.556	0.579	0.576	0.574	0.562	3.2
1,1,2-Trichloroethane	0.288	0.283	0.282	0.293	0.278	0.277	0.284	2.1
2-Hexanone	0.223	0.245	0.241	0.244	0.231	0.226	0.235	4
Dibromochloromethane	0.306	0.317	0.314	0.320	0.320	0.322	0.317	1.9
1,2-Dibromoethane	0.261	0.292	0.279	0.281	0.272	0.272	0.276	3.8
Tetrachloroethene	0.298	0.304	0.285	0.300	0.303	0.287	0.296	2.8
Chlorobenzene	1.087	1.088	1.042	1.133	1.093	1.023	1.078	3.7
Ethyl Benzene	1.875	1.853	1.822	1.944	1.915	1.779	1.865	3.2
m/p-Xylenes	0.692	0.713	0.679	0.732	0.708	0.677	0.700	3
o-Xylene	0.668	0.659	0.662	0.682	0.699	0.653	0.670	2.5
Styrene	1.104	1.146	1.132	1.208	1.212	1.118	1.153	4
Bromoform	0.187	0.201	0.193	0.203	0.205	0.196	0.198	3.5
Isopropylbenzene	3.523	3.562	3.511	3.968	3.781	3.689	3.672	4.9
1,1,2,2-Tetrachloroethane	0.886	0.869	0.845	0.927	0.871	0.831	0.871	3.8
1,3-Dichlorobenzene	1.665	1.630	1.620	1.721	1.659	1.596	1.648	2.7
1,4-Dichlorobenzene	1.776	1.680	1.644	1.774	1.658	1.602	1.689	4.2
1,2-Dichlorobenzene	1.547	1.528	1.464	1.545	1.509	1.488	1.513	2.2
1,2-Dibromo-3-Chloropropane	0.145	0.146	0.145	0.159	0.152	0.154	0.150	3.8
1,2,4-Trichlorobenzene	0.943	0.917	0.923	1.032	0.972	0.992	0.963	4.6
1,2,3-Trichlorobenzene	0.892	0.831	0.836	0.901	0.880	0.906	0.874	3.8
1,2-Dichloroethane-d4	0.691	0.654	0.647	0.605	0.640	0.630	0.645	4.4
Dibromofluoromethane	0.314	0.302	0.305	0.287	0.297	0.291	0.299	3.3
Toluene-d8	1.171	1.176	1.152	1.130	1.136	1.125	1.148	1.9
4-Bromofluorobenzene	0.444	0.444	0.454	0.415	0.426	0.421	0.434	3.6

* 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,
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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: HDRI08
Lab Code: ACE
SDG No.: Q3662
Instrument ID: MSVOA_W
Calibration Date/Time: 11/18/2025 09:46
Lab File ID: VW032468.D
Init. Calib. Date(s): 11/10/2025 11/10/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 15:11 17:00
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.254	0.247		-2.76	20
Chloromethane	0.435	0.410	0.1	-5.75	20
Vinyl Chloride	0.549	0.573		4.37	20
Bromomethane	0.367	0.375		2.18	20
Chloroethane	0.359	0.380		5.85	20
Trichlorofluoromethane	0.430	0.445		3.49	20
1,1,2-Trichlorotrifluoroethane	0.469	0.492		4.9	20
1,1-Dichloroethene	0.537	0.549		2.23	20
Acetone	0.193	0.208		7.77	20
Carbon Disulfide	1.588	1.625		2.33	20
Methyl tert-butyl Ether	1.133	1.200		5.91	20
Methyl Acetate	0.478	0.544		13.81	20
Methylene Chloride	0.690	0.704		2.03	20
trans-1,2-Dichloroethene	0.615	0.640		4.07	20
1,1-Dichloroethane	1.153	1.234	0.1	7.03	20
Cyclohexane	1.066	1.052		-1.31	20
2-Butanone	0.284	0.296		4.22	20
Carbon Tetrachloride	0.392	0.418		6.63	20
cis-1,2-Dichloroethene	0.734	0.773		5.31	20
Bromochloromethane	0.545	0.588		7.89	20
Chloroform	1.129	1.213		7.44	20
1,1,1-Trichloroethane	0.806	0.852		5.71	20
Methylcyclohexane	0.571	0.590		3.33	20
Benzene	1.420	1.504		5.91	20
1,2-Dichloroethane	0.417	0.458		9.83	20
Trichloroethene	0.331	0.339		2.42	20
1,2-Dichloropropane	0.354	0.380		7.34	20
Bromodichloromethane	0.471	0.501		6.37	20
4-Methyl-2-Pentanone	0.321	0.360		12.15	20
Toluene	0.877	0.931		6.16	20
t-1,3-Dichloropropene	0.486	0.516		6.17	20
cis-1,3-Dichloropropene	0.562	0.601		6.94	20
1,1,2-Trichloroethane	0.284	0.305		7.39	20
2-Hexanone	0.235	0.255		8.51	20
Dibromochloromethane	0.317	0.346		9.15	20
1,2-Dibromoethane	0.276	0.291		5.43	20
Tetrachloroethene	0.296	0.303		2.37	20
Chlorobenzene	1.078	1.138	0.3	5.57	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: Alliance Contract: HDRI08

Lab Code: ACE SDG No.: Q3662

Instrument ID: MSVOA_W Calibration Date/Time: 11/18/2025 09:46

Lab File ID: VW032468.D Init. Calib. Date(s): 11/10/2025 11/10/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 15:11 17:00

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.865	1.941		4.07	20
m/p-Xylenes	0.700	0.733		4.71	20
o-Xylene	0.670	0.694		3.58	20
Styrene	1.153	1.249		8.33	20
Bromoform	0.198	0.203	0.1	2.53	20
Isopropylbenzene	3.672	3.748		2.07	20
1,1,2,2-Tetrachloroethane	0.871	0.927	0.3	6.43	20
1,3-Dichlorobenzene	1.648	1.713		3.94	20
1,4-Dichlorobenzene	1.689	1.691		0.12	20
1,2-Dichlorobenzene	1.513	1.598		5.62	20
1,2-Dibromo-3-Chloropropane	0.150	0.155		3.33	20
1,2,4-Trichlorobenzene	0.963	0.914		-5.09	20
1,2,3-Trichlorobenzene	0.874	0.850		-2.75	20
1,2-Dichloroethane-d4	0.645	0.695		7.75	20
Dibromofluoromethane	0.299	0.310		3.68	20
Toluene-d8	1.148	1.197		4.27	20
4-Bromofluorobenzene	0.434	0.457		5.3	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_W\Data\VW111825\
Data File : VW032485.D
Acq On : 18 Nov 2025 16:36
Operator : SY/MD
Sample : Q3662-01
Misc : 6.40g/5mL/MSVOA_W/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B3-0.5-1.0-20251117

Quant Time: Nov 19 00:29:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	225287	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	534048	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	544672	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	237264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	160596	55.292	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 110.580%			
35) Dibromofluoromethane	7.898	113	152037	47.549	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 95.100%			
50) Toluene-d8	10.325	98	533491	43.491	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 86.980%			
62) 4-Bromofluorobenzene	12.617	95	241626	52.144	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 104.280%			

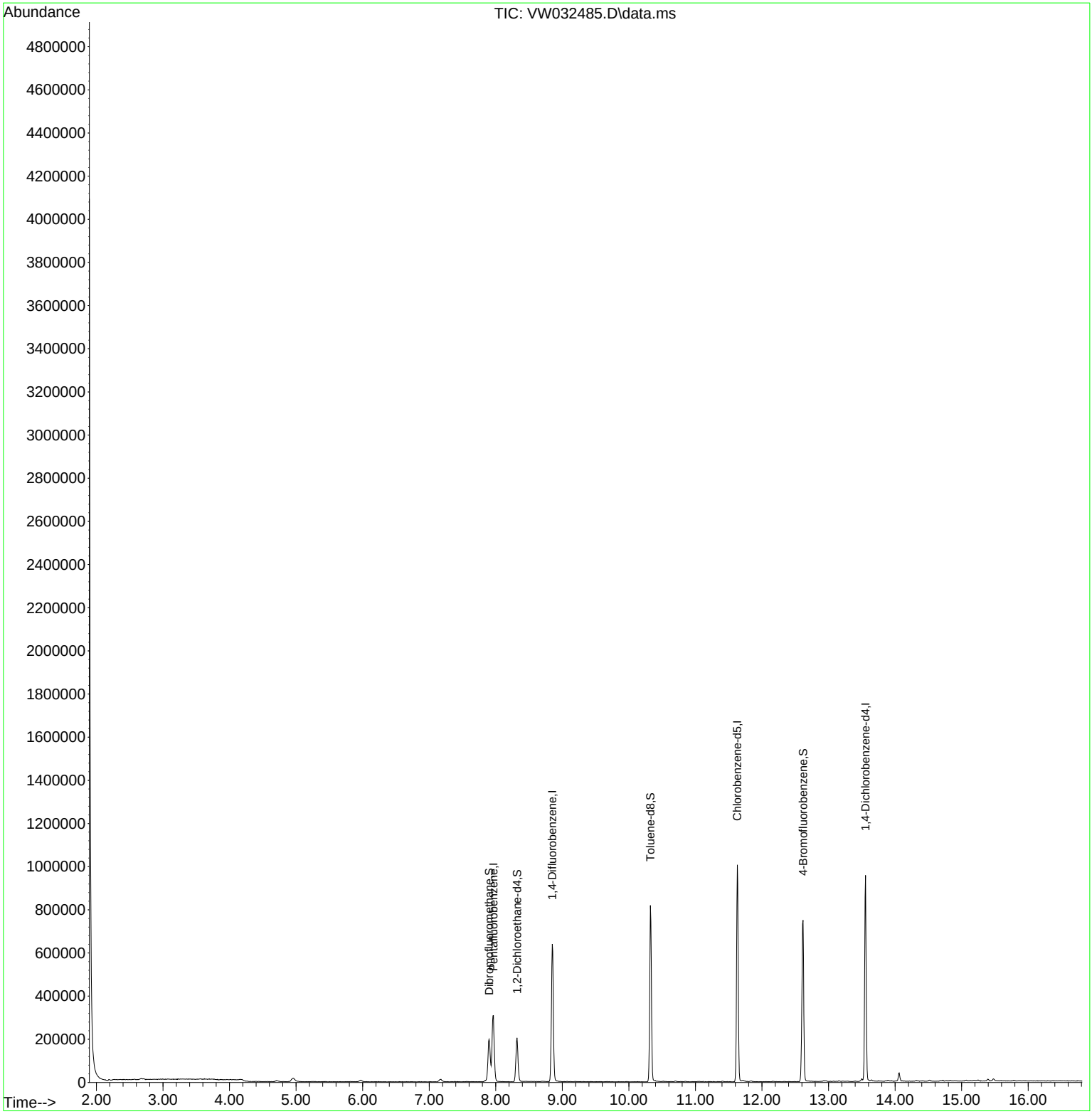
Target Compounds Qvalue

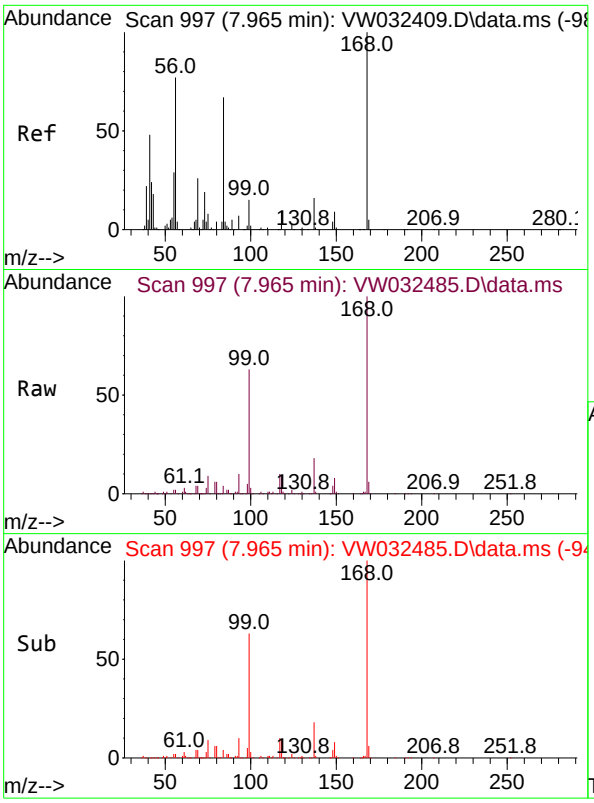
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032485.D
Acq On : 18 Nov 2025 16:36
Operator : SY/MD
Sample : Q3662-01
Misc : 6.40g/5mL/MSVOA_W/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B3-0.5-1.0-20251117

Quant Time: Nov 19 00:29:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration



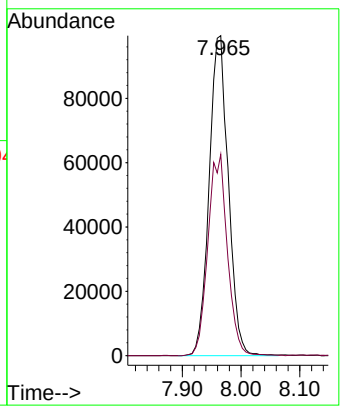


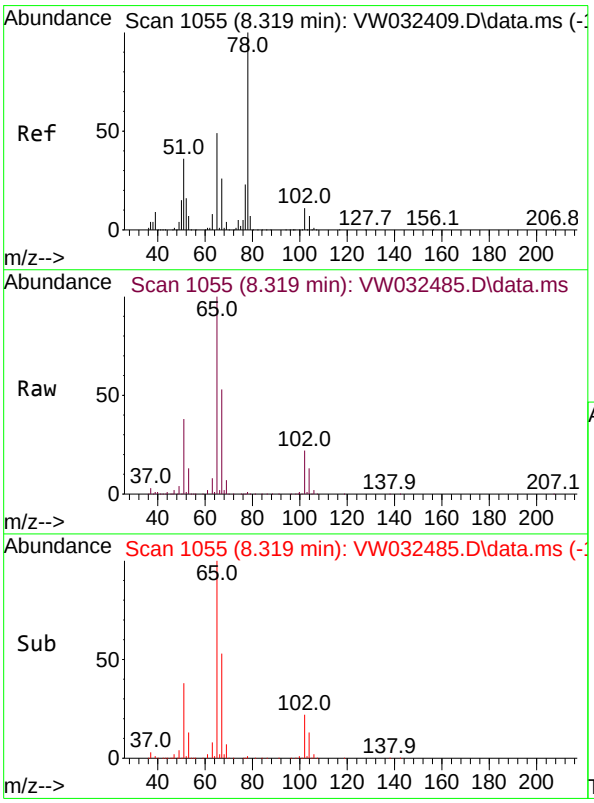
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW032485.D
Acq: 18 Nov 2025 16:36

Instrument :
MSVOA_W
ClientSampleId :
B3-0.5-1.0-20251117

Tgt Ion:168 Resp: 225287

Ion	Ratio	Lower	Upper
168	100		
99	62.9	45.4	68.2

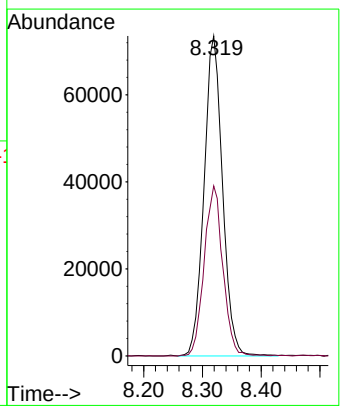


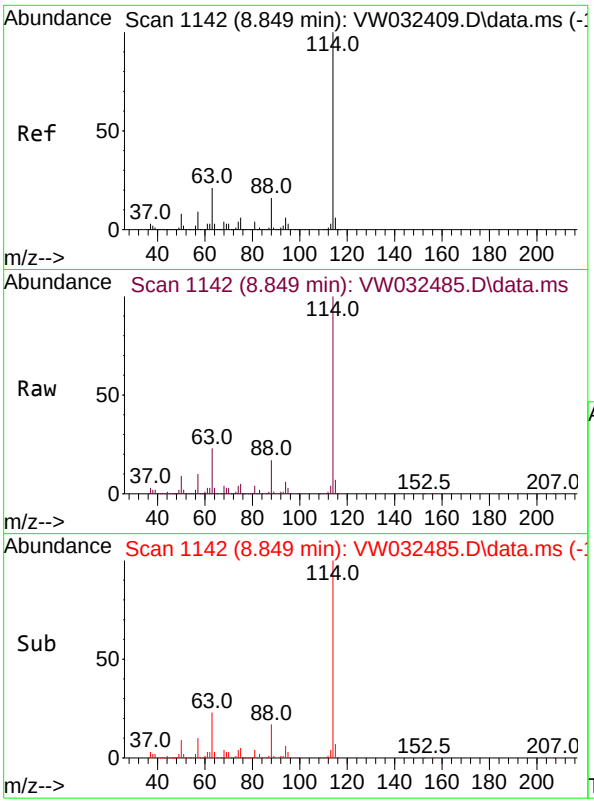


#33
1,2-Dichloroethane-d4
Concen: 55.292 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032485.D
Acq: 18 Nov 2025 16:36

Tgt Ion: 65 Resp: 160596

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	106.8



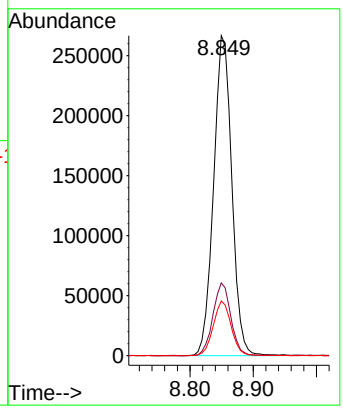


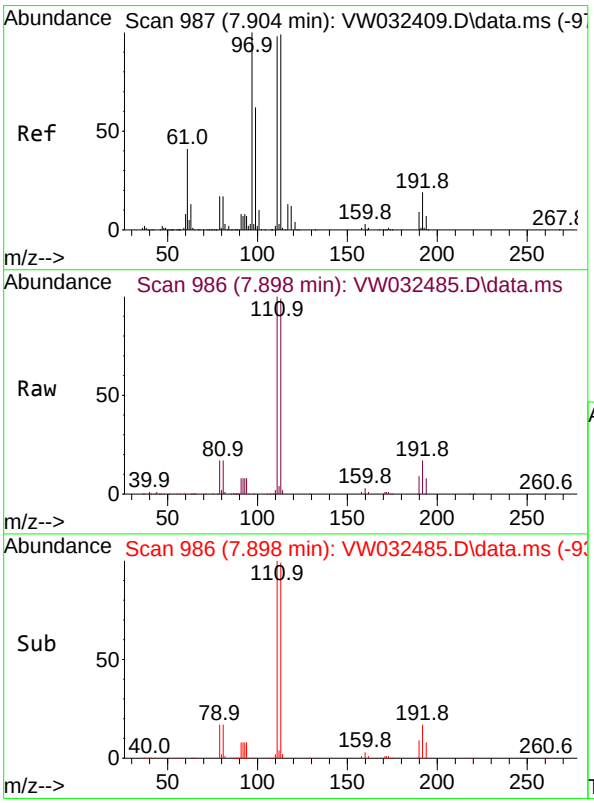
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032485.D
Acq: 18 Nov 2025 16:36

Instrument :
MSVOA_W
ClientSampleId :
B3-0.5-1.0-20251117

Tgt Ion:114 Resp: 534048

Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	41.8
88	17.1	0.0	32.6

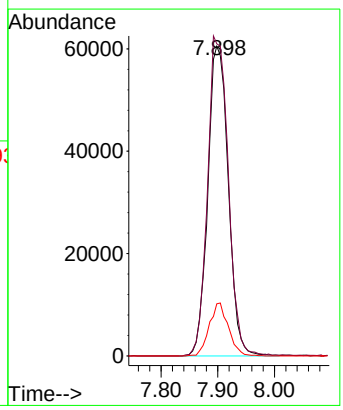




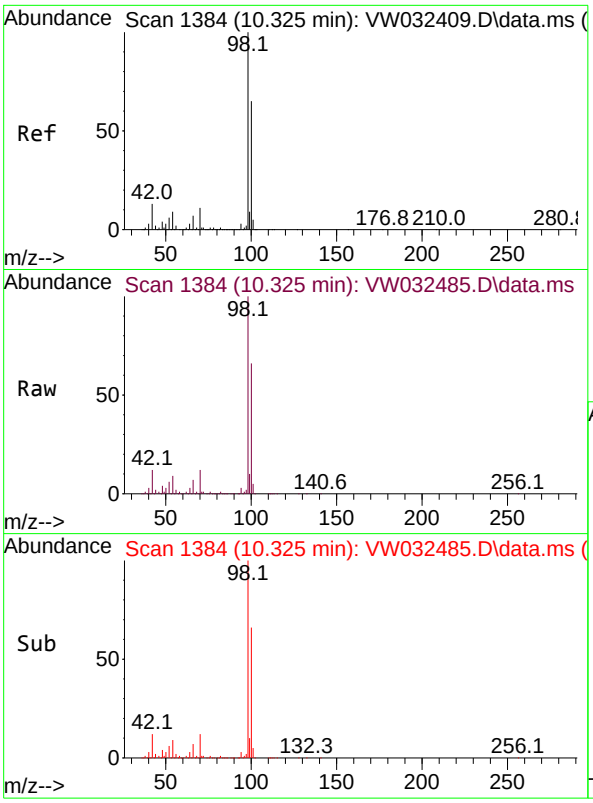
#35
Dibromofluoromethane
Concen: 47.549 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032485.D
Acq: 18 Nov 2025 16:36

Tgt Ion:113 Resp: 152037

Ion	Ratio	Lower	Upper
113	100		
111	104.4	83.1	124.7
192	15.9	13.4	20.2



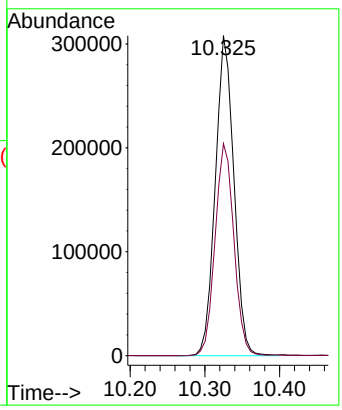
Instrument :
MSVOA_W
ClientSampleId :
B3-0.5-1.0-20251117

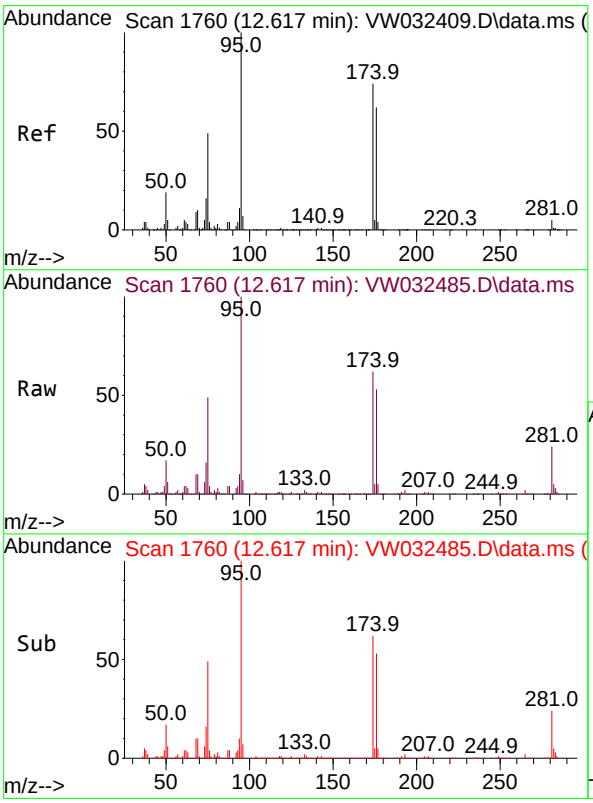


#50
Toluene-d8
Concen: 43.491 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032485.D
Acq: 18 Nov 2025 16:36

Tgt Ion: 98 Resp: 533491

Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.3	79.9

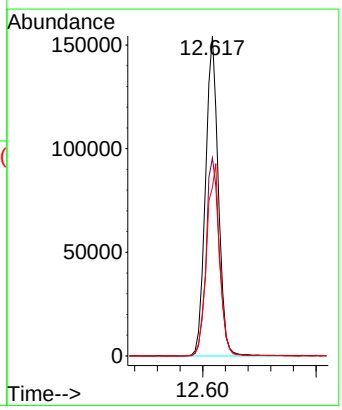


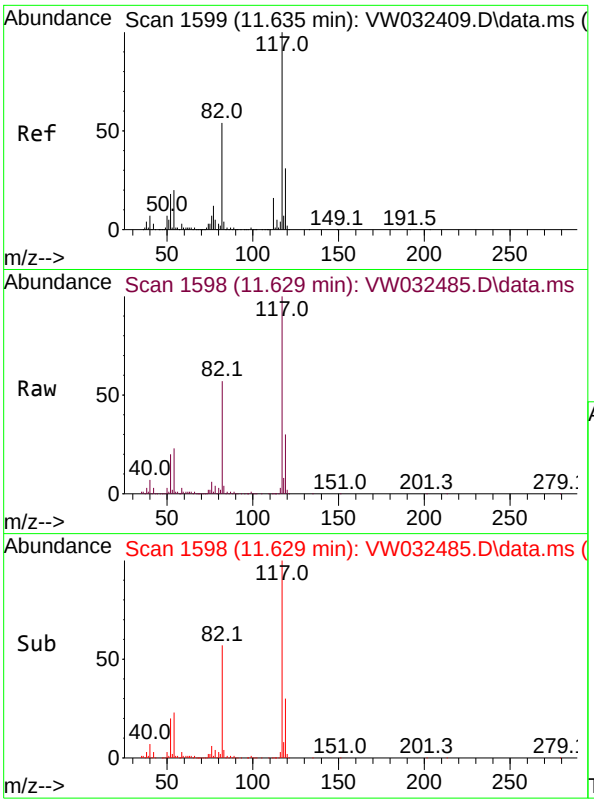


#62
4-Bromofluorobenzene
Concen: 52.144 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032485.D
Acq: 18 Nov 2025 16:36

Tgt Ion: 95 Resp: 241626

Ion	Ratio	Lower	Upper
95	100		
174	63.6	0.0	135.4
176	60.6	0.0	131.8



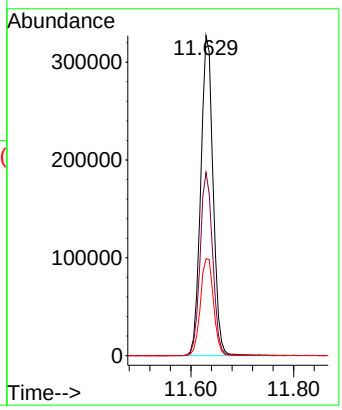


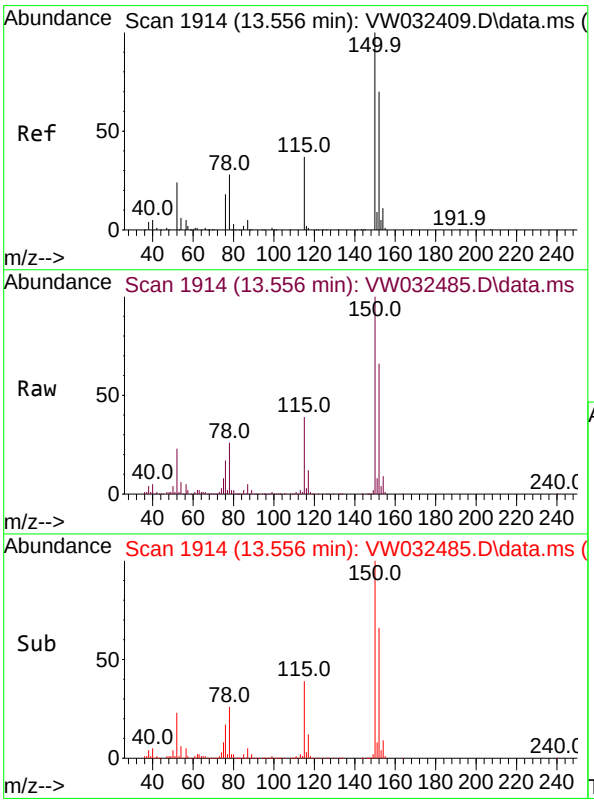
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW032485.D
Acq: 18 Nov 2025 16:36

Instrument :
MSVOA_W
ClientSampleId :
B3-0.5-1.0-20251117

Tgt Ion:117 Resp: 544672

Ion	Ratio	Lower	Upper
117	100		
82	57.2	43.0	64.4
119	30.2	25.0	37.6

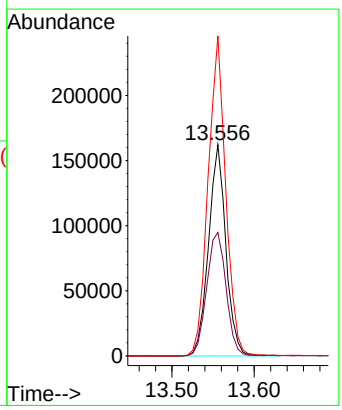




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032485.D
Acq: 18 Nov 2025 16:36

Tgt Ion:152 Resp: 237264

Ion	Ratio	Lower	Upper
152	100		
115	65.3	32.8	98.3
150	154.1	0.0	356.6



Sample Results: **VW032485.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032485.D
Acq On : 18 Nov 2025 16:36
Operator : SY/MD
Sample : Q3662-01
Misc : 6.40g/5mL/MSVOA_W/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B3-0.5-1.0-20251117

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_W\Method\82W111025S.M
Title : SW846 8260

Signal : TIC: VW032485.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.960	493	504	515	rBV2	15888	57734	3.39%	0.630%
2	7.179	858	868	877	rBV2	11880	39991	2.35%	0.436%
3	7.898	971	986	991	rBV2	196437	504434	29.66%	5.500%
4	7.965	991	997	1007	rVB	305472	710312	41.76%	7.745%
5	8.319	1044	1055	1066	rBV	203992	455277	26.77%	4.964%
6	8.849	1134	1142	1153	rBV	637856	1281267	75.33%	13.971%
7	10.325	1376	1384	1394	rBV	817366	1451132	85.32%	15.823%
8	11.629	1590	1598	1608	rBV	1004693	1700783	100.00%	18.546%
9	12.617	1750	1760	1772	rBV3	748228	1421781	83.60%	15.503%
10	13.556	1907	1914	1924	rVB	951785	1484417	87.28%	16.186%
11	14.062	1991	1997	2002	rVB	38361	63648	3.74%	0.694%

Sum of corrected areas: 9170776

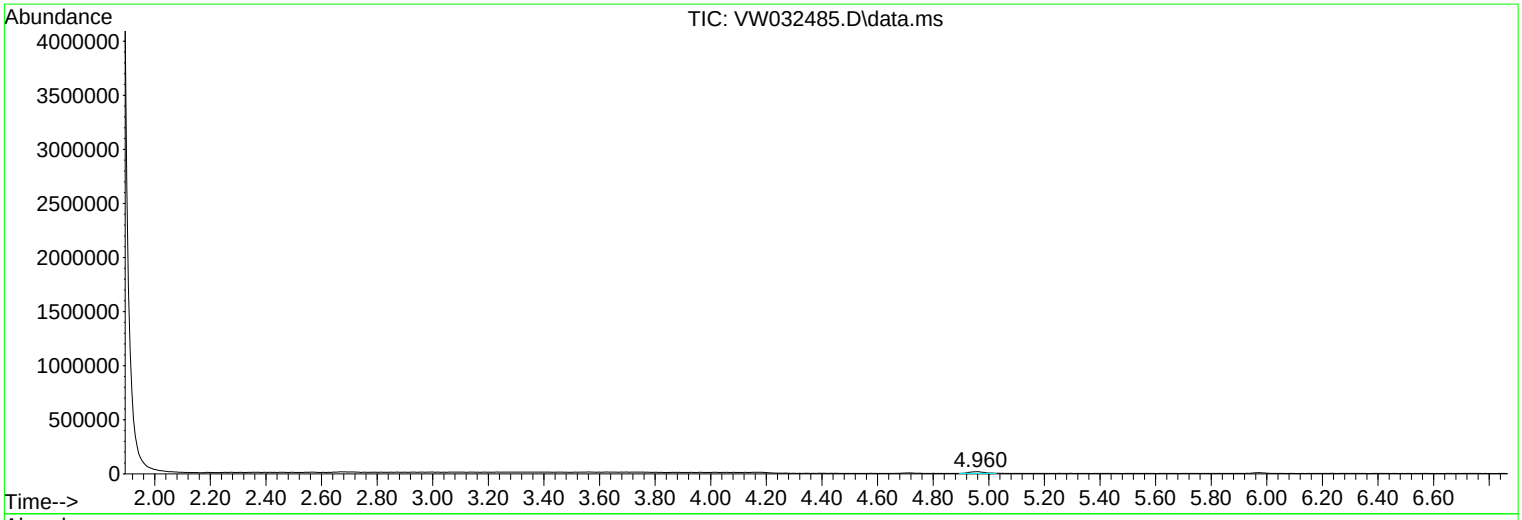
Sample Results: **VW032485.D**

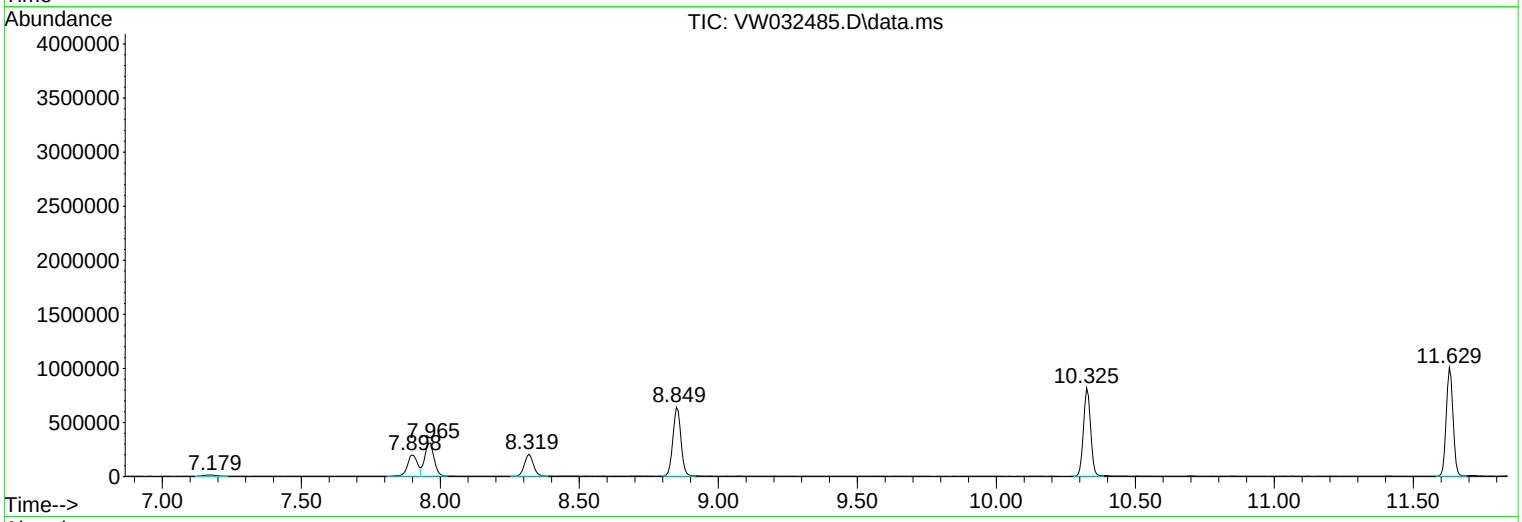
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032485.D
Acq On : 18 Nov 2025 16:36
Operator : SY/MD
Sample : Q3662-01
Misc : 6.40g/5mL/MSVOA_W/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

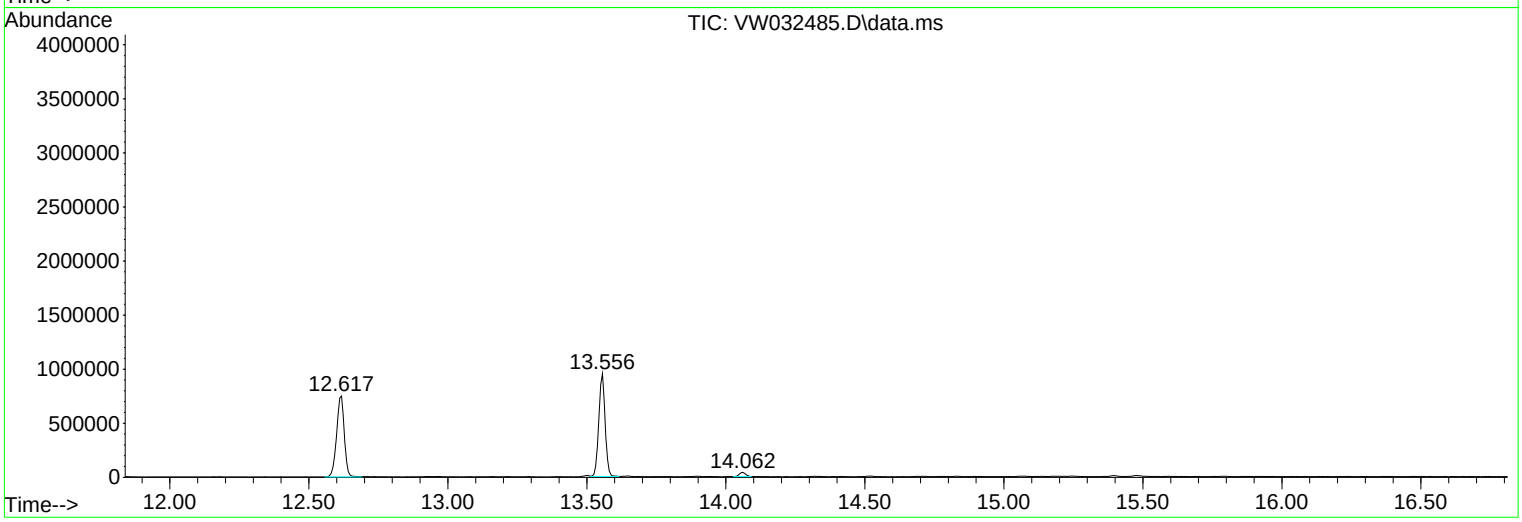
Instrument :
MSVOA_W
ClientSampleId :
B3-0.5-1.0-20251117

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VW032485.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032485.D
Acq On : 18 Nov 2025 16:36
Operator : SY/MD
Sample : Q3662-01
Misc : 6.40g/5mL/MSVOA_W/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B3-0.5-1.0-20251117

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.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_W\Data\VW111825\
Data File : VW032485.D
Acq On : 18 Nov 2025 16:36
Operator : SY/MD
Sample : Q3662-01
Misc : 6.40g/5mL/MSVOA_W/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B3-0.5-1.0-20251117

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.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_W\Data\VW111825\
Data File : VW032486.D
Acq On : 18 Nov 2025 16:58
Operator : SY/MD
Sample : Q3662-03
Misc : 6.12g/5mL/MSVOA_W/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B1-0.5-1.0-20251117

Quant Time: Nov 19 00:30:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	221426	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	523942	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	582743	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	283484	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	163693	57.341	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 114.680%			
35) Dibromofluoromethane	7.898	113	149778	47.746	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 95.500%			
50) Toluene-d8	10.325	98	534007	44.373	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 88.740%			
62) 4-Bromofluorobenzene	12.617	95	255198	56.135	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 112.280%			

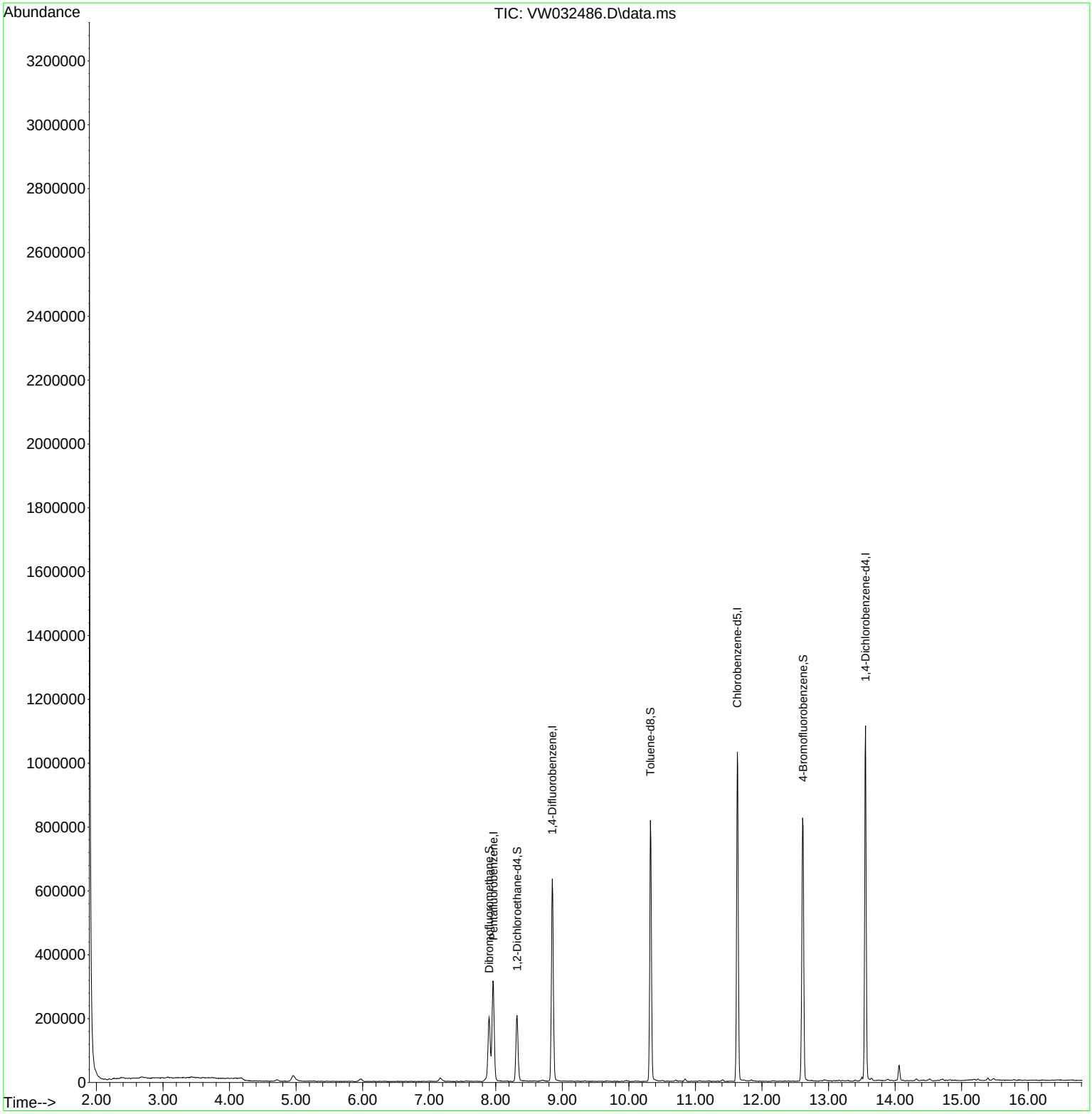
Target Compounds Qvalue

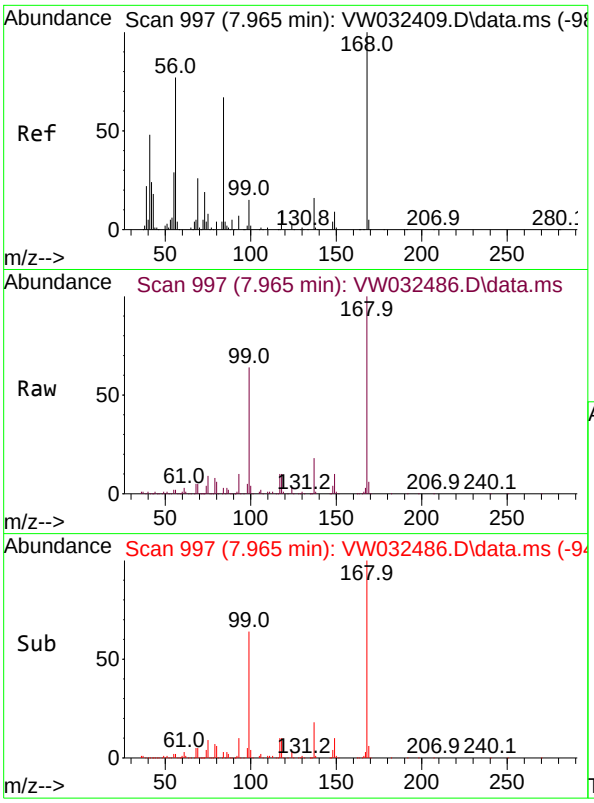
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032486.D
Acq On : 18 Nov 2025 16:58
Operator : SY/MD
Sample : Q3662-03
Misc : 6.12g/5mL/MSVOA_W/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B1-0.5-1.0-20251117

Quant Time: Nov 19 00:30:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration



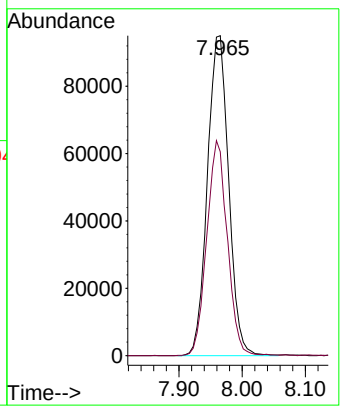


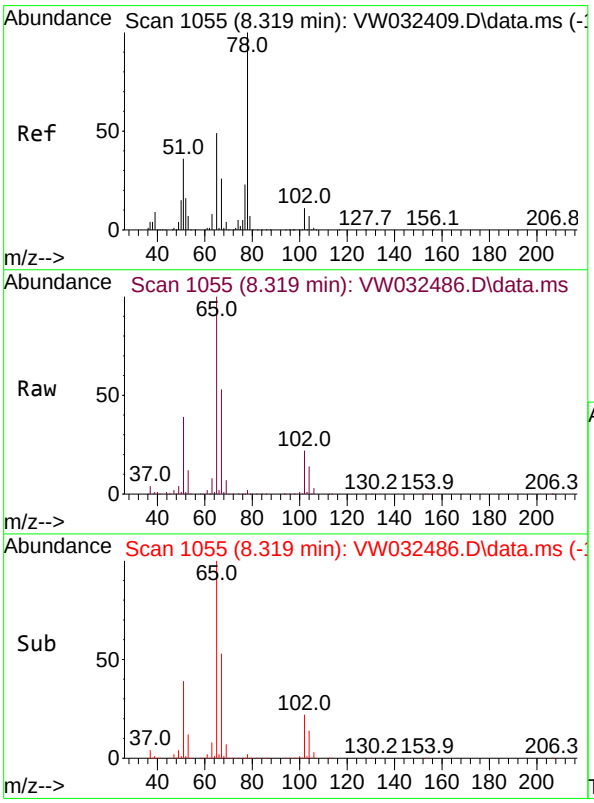
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW032486.D
Acq: 18 Nov 2025 16:58

Instrument :
MSVOA_W
ClientSampleId :
B1-0.5-1.0-20251117

Tgt Ion:168 Resp: 221426

Ion	Ratio	Lower	Upper
168	100		
99	63.6	45.4	68.2

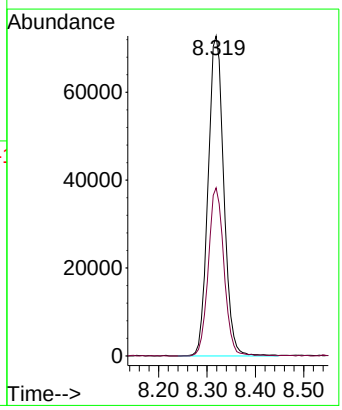


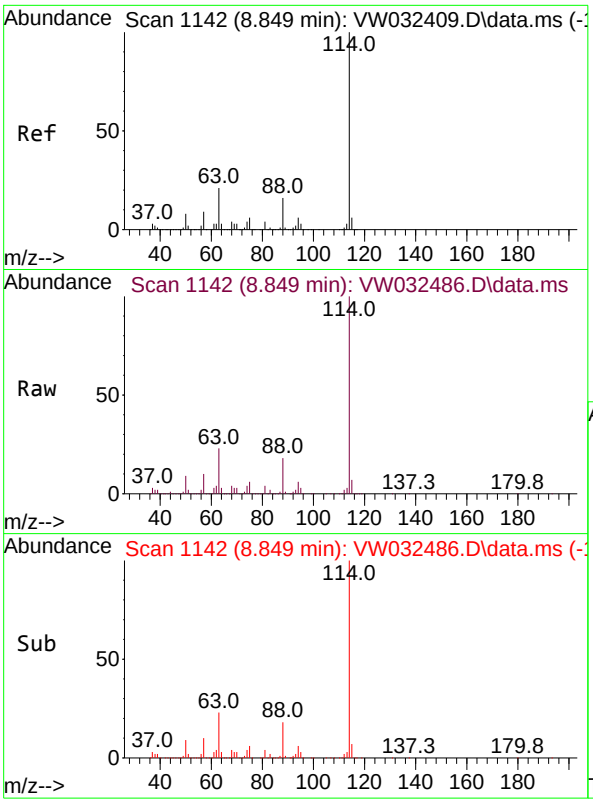


#33
1,2-Dichloroethane-d4
Concen: 57.341 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032486.D
Acq: 18 Nov 2025 16:58

Tgt Ion: 65 Resp: 163693

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	106.8



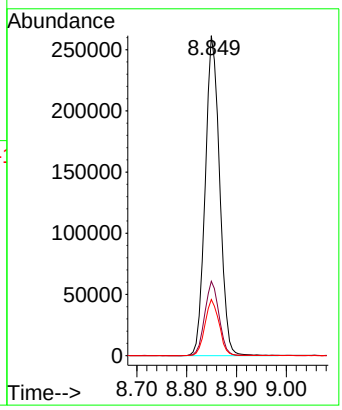


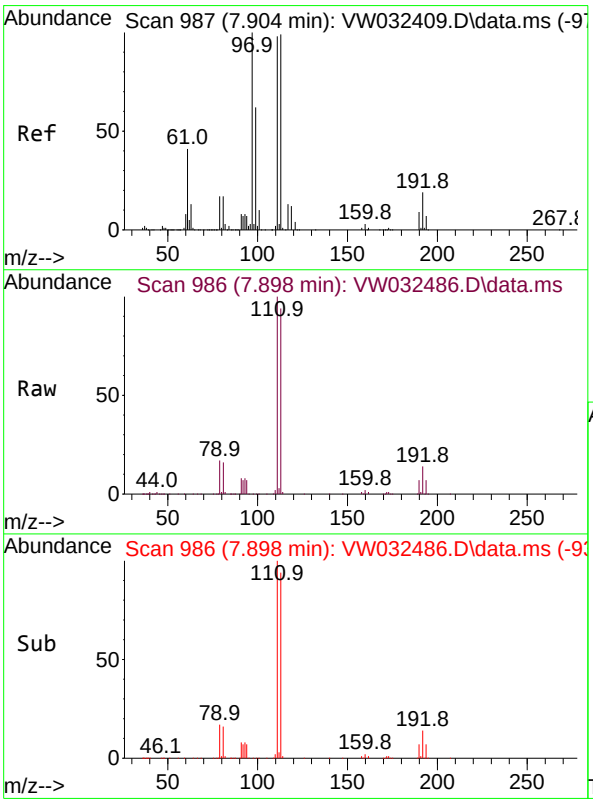
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032486.D
Acq: 18 Nov 2025 16:58

Instrument :
MSVOA_W
ClientSampleId :
B1-0.5-1.0-20251117

Tgt Ion:114 Resp: 523942

Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	41.8
88	17.5	0.0	32.6

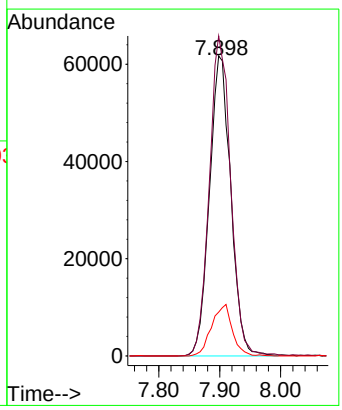


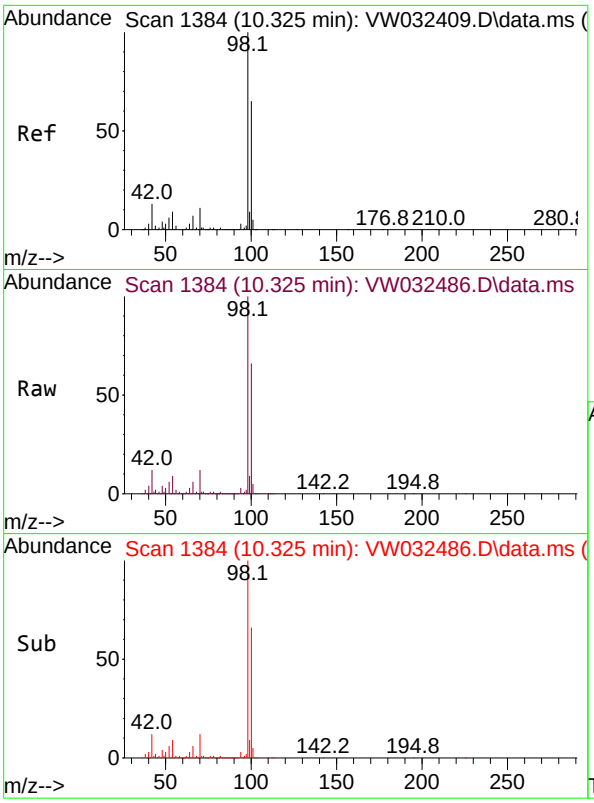


#35
Dibromofluoromethane
Concen: 47.746 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032486.D
Acq: 18 Nov 2025 16:58

Tgt Ion:113 Resp: 149778

Ion	Ratio	Lower	Upper
113	100		
111	107.1	83.1	124.7
192	16.6	13.4	20.2



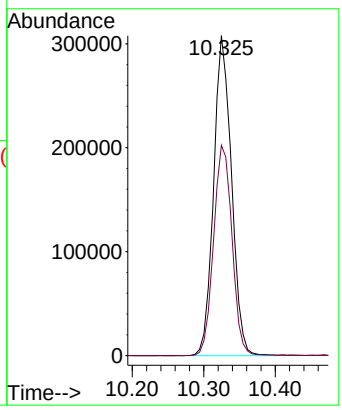


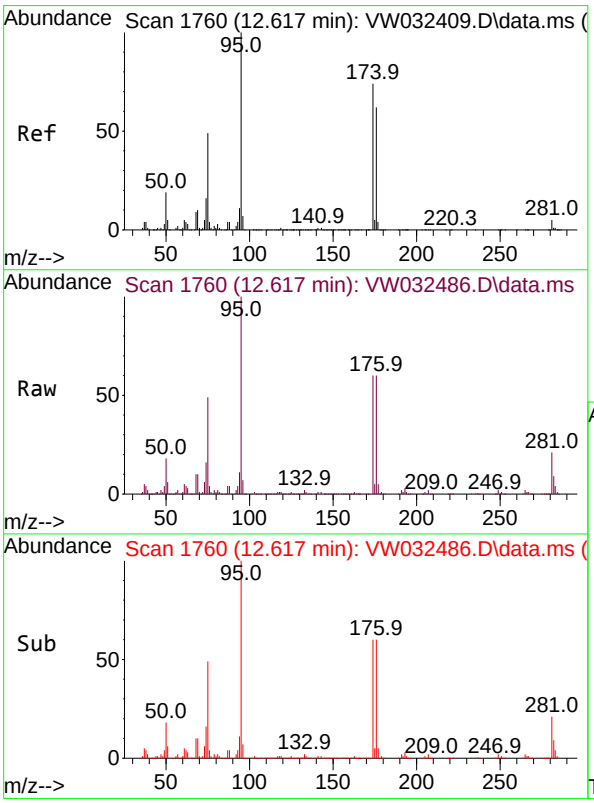
#50
Toluene-d8
Concen: 44.373 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032486.D
Acq: 18 Nov 2025 16:58

Instrument :
MSVOA_W
ClientSampleId :
B1-0.5-1.0-20251117

Tgt Ion: 98 Resp: 534007

Ion	Ratio	Lower	Upper
98	100		
100	67.8	53.3	79.9

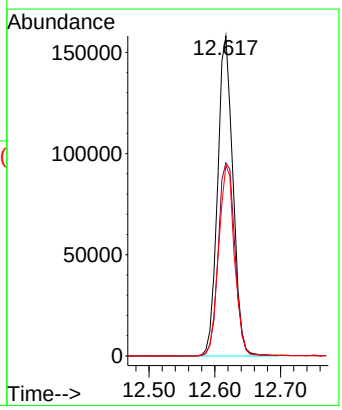


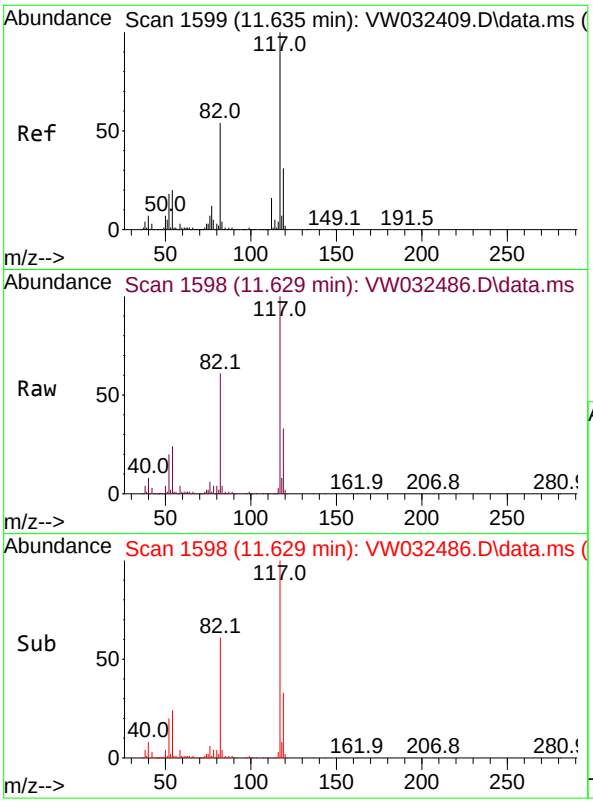


#62
4-Bromofluorobenzene
Concen: 56.135 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032486.D
Acq: 18 Nov 2025 16:58

Tgt Ion: 95 Resp: 255198

Ion	Ratio	Lower	Upper
95	100		
174	65.0	0.0	135.4
176	61.6	0.0	131.8



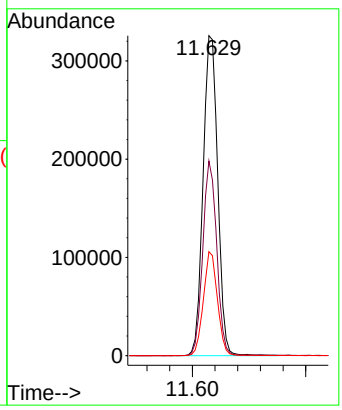


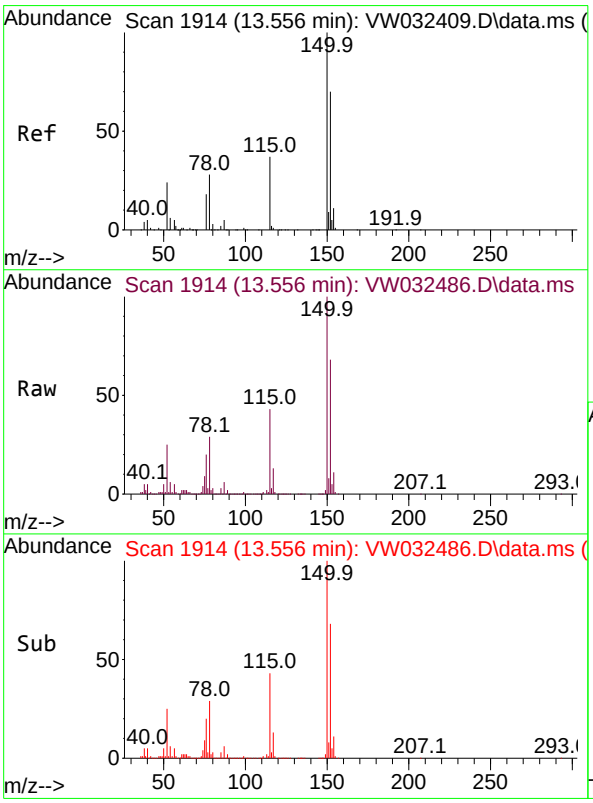
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW032486.D
Acq: 18 Nov 2025 16:58

Instrument :
MSVOA_W
ClientSampleId :
B1-0.5-1.0-20251117

Tgt Ion:117 Resp: 582743

Ion	Ratio	Lower	Upper
117	100		
82	60.8	43.0	64.4
119	32.5	25.0	37.6

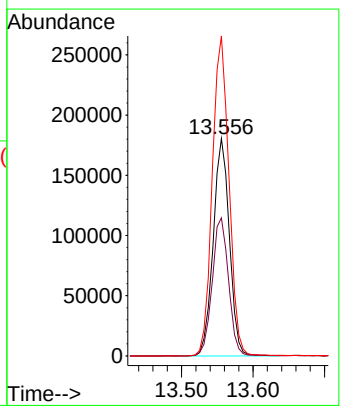




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032486.D
Acq: 18 Nov 2025 16:58

Tgt Ion:152 Resp: 283484

Ion	Ratio	Lower	Upper
152	100		
115	64.1	32.8	98.3
150	151.4	0.0	356.6



Sample Results: **VW032486.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032486.D
Acq On : 18 Nov 2025 16:58
Operator : SY/MD
Sample : Q3662-03
Misc : 6.12g/5mL/MSVOA_W/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B1-0.5-1.0-20251117

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_W\Method\82W111025S.M
Title : SW846 8260

Signal : TIC: VW032486.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.960	494	504	518	rBV5	17297	69680	3.85%	0.710%
2	7.167	858	866	881	rVB	10897	34092	1.88%	0.347%
3	7.898	968	986	991	rBV2	200772	513403	28.36%	5.229%
4	7.959	991	996	1008	rVB	313407	713388	39.41%	7.266%
5	8.319	1043	1055	1066	rBV	206780	473159	26.14%	4.819%
6	8.849	1132	1142	1154	rBV	634071	1279881	70.70%	13.035%
7	10.325	1376	1384	1399	rBV	817230	1460219	80.66%	14.872%
8	11.629	1590	1598	1611	rBV	1032067	1810323	100.00%	18.437%
9	12.611	1748	1759	1771	rBV2	824783	1621250	89.56%	16.512%
10	13.556	1907	1914	1925	rVB	1108852	1761577	97.31%	17.941%
11	14.062	1991	1997	2005	rVB2	47191	81740	4.52%	0.832%

Sum of corrected areas: 9818712

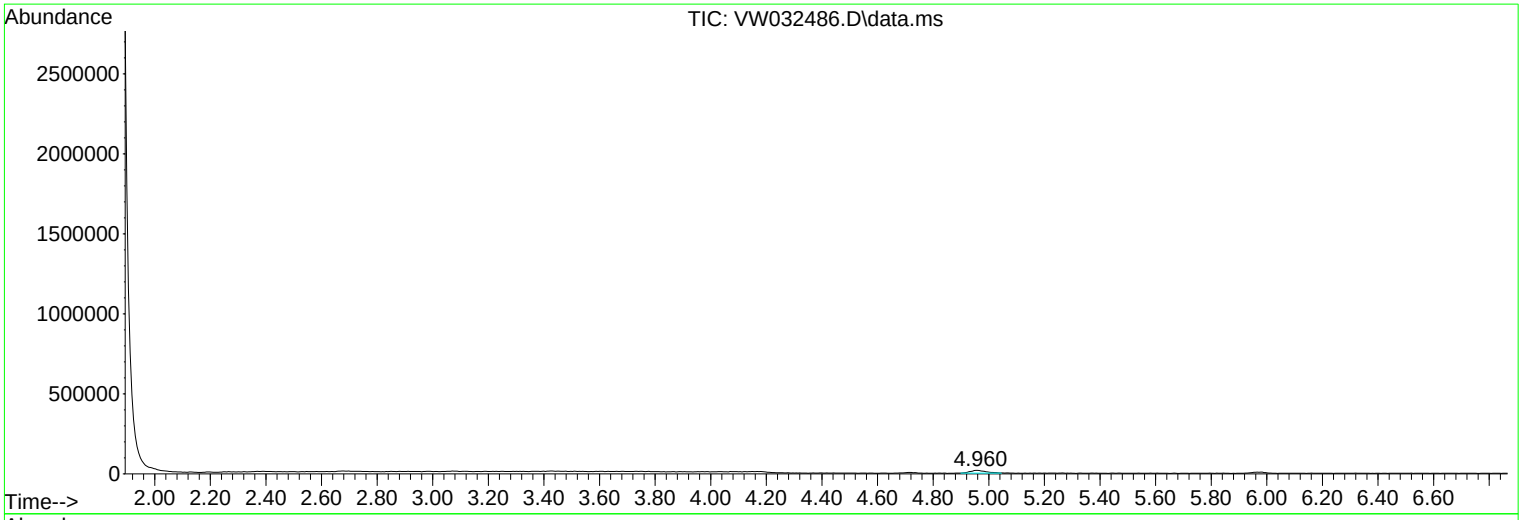
Sample Results: **VW032486.D**

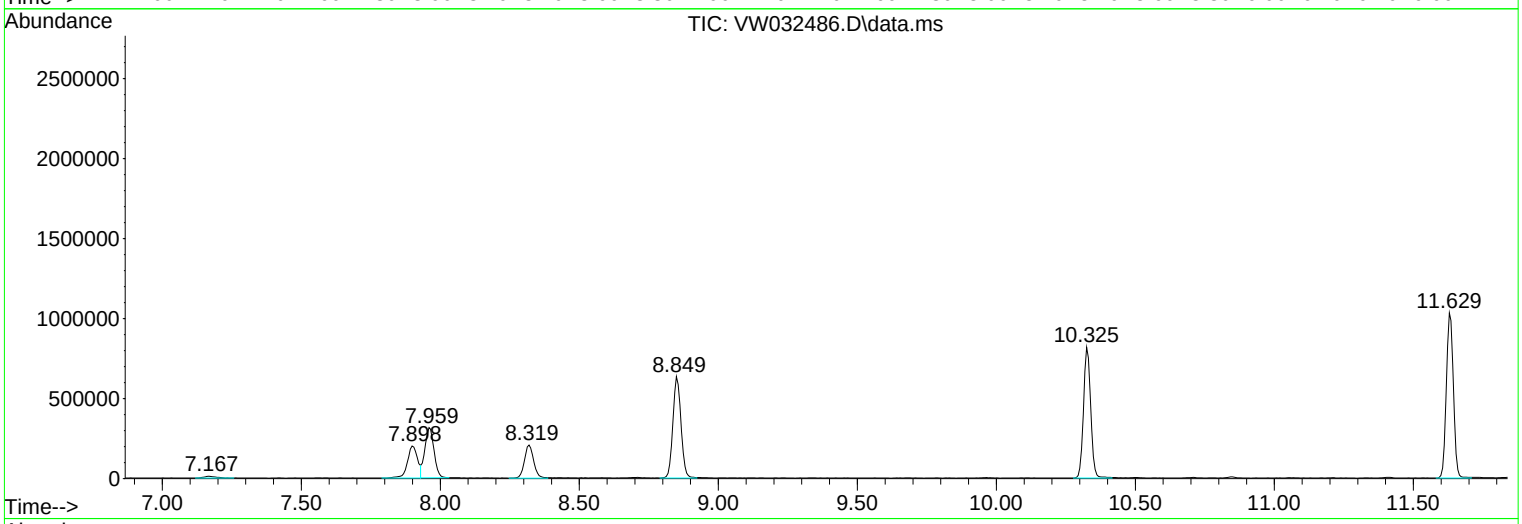
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032486.D
Acq On : 18 Nov 2025 16:58
Operator : SY/MD
Sample : Q3662-03
Misc : 6.12g/5mL/MSVOA_W/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

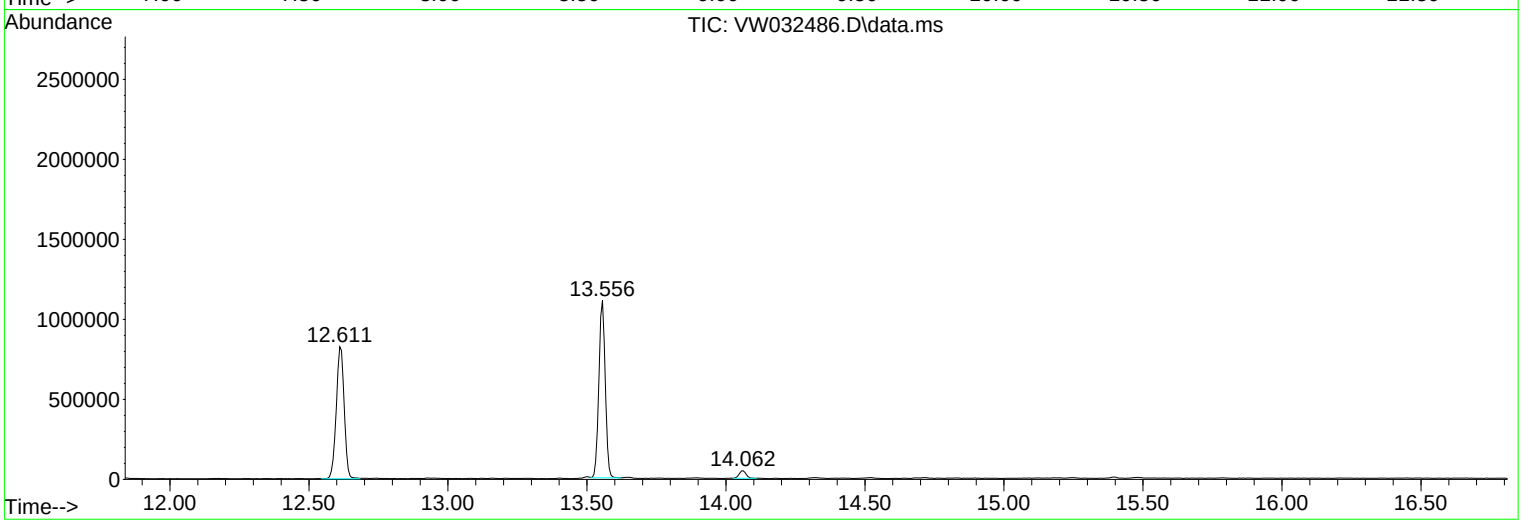
Instrument :
MSVOA_W
ClientSampleId :
B1-0.5-1.0-20251117

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VW032486.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032486.D
Acq On : 18 Nov 2025 16:58
Operator : SY/MD
Sample : Q3662-03
Misc : 6.12g/5mL/MSVOA_W/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B1-0.5-1.0-20251117

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.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_W\Data\VW111825\
Data File : VW032486.D
Acq On : 18 Nov 2025 16:58
Operator : SY/MD
Sample : Q3662-03
Misc : 6.12g/5mL/MSVOA_W/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B1-0.5-1.0-20251117

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.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_W\Data\VW111825\
Data File : VW032469.D
Acq On : 18 Nov 2025 10:13
Operator : SY/MD
Sample : VW1118SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1118SBL01

Quant Time: Nov 19 00:24:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	212726	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	511741	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	533709	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	261053	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	177417	64.691	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 129.380%			
35) Dibromofluoromethane	7.898	113	160106	52.255	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 104.520%			
50) Toluene-d8	10.325	98	557281	47.411	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 94.820%			
62) 4-Bromofluorobenzene	12.617	95	231076	52.041	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 104.080%			

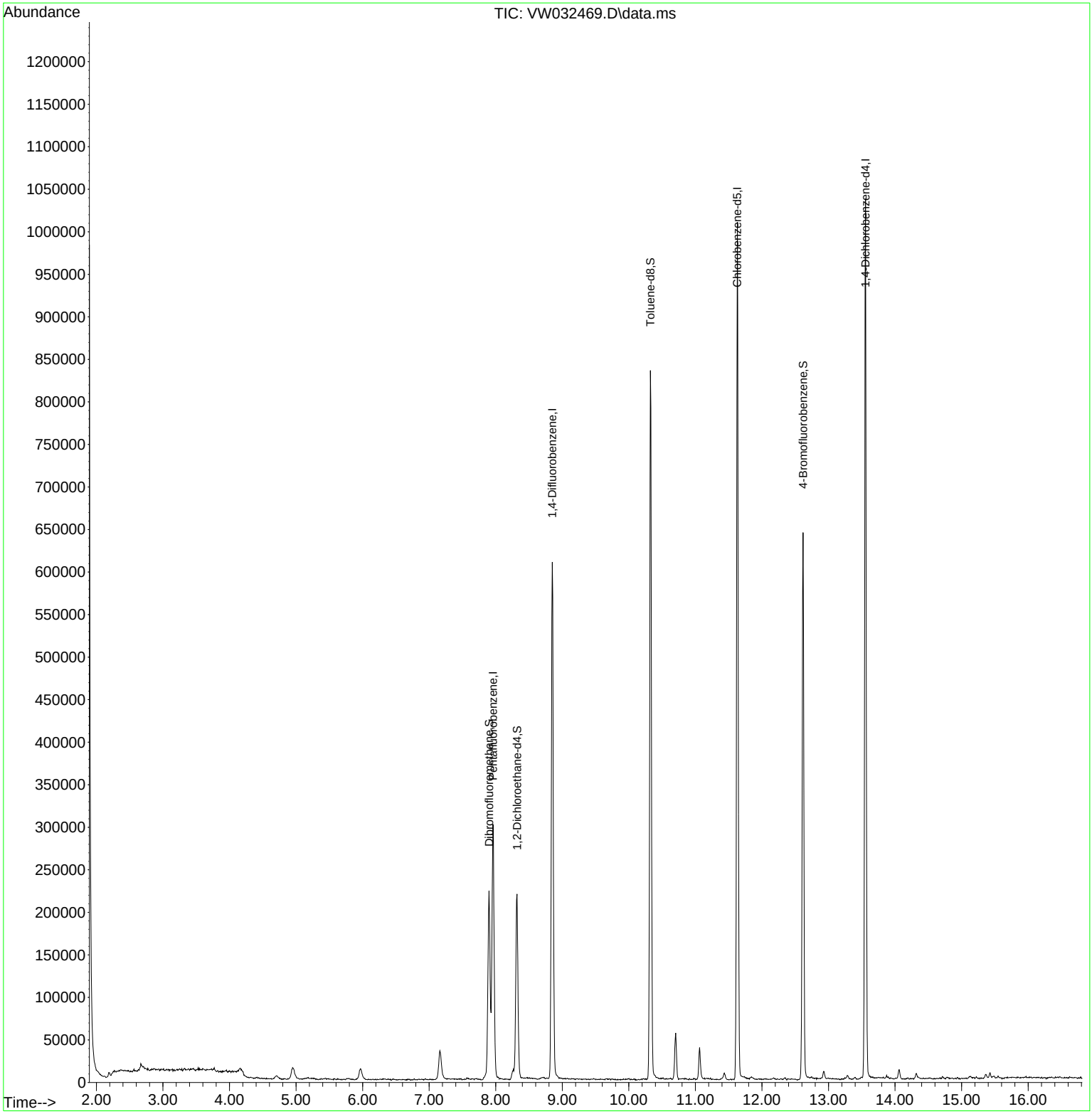
Target Compounds Qvalue

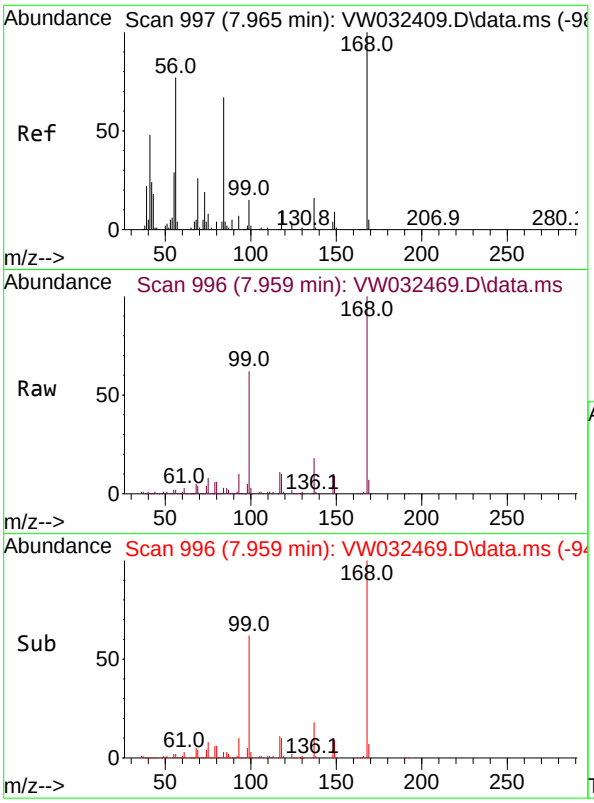
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032469.D
Acq On : 18 Nov 2025 10:13
Operator : SY/MD
Sample : VW1118SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1118SBL01

Quant Time: Nov 19 00:24:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration



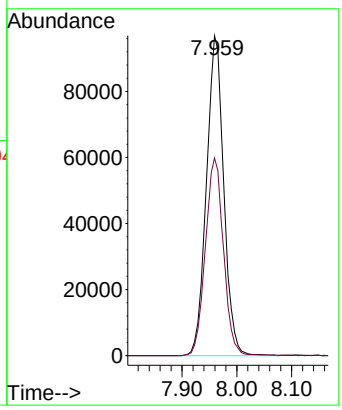


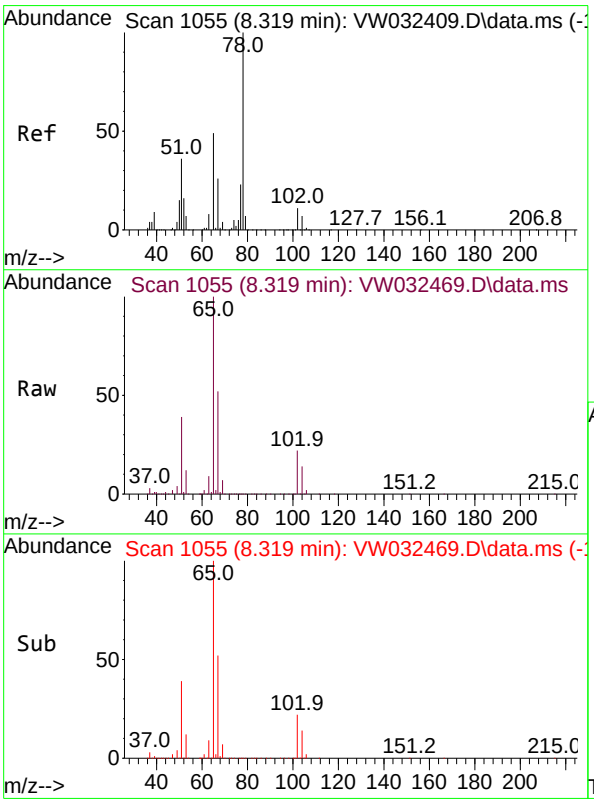
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW032469.D
Acq: 18 Nov 2025 10:13

Instrument :
MSVOA_W
ClientSampleId :
VW1118SBL01

Tgt Ion:168 Resp: 212726

Ion	Ratio	Lower	Upper
168	100		
99	61.7	45.4	68.2

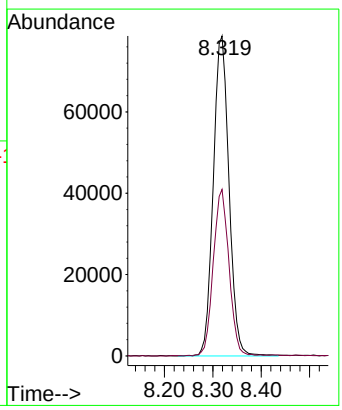


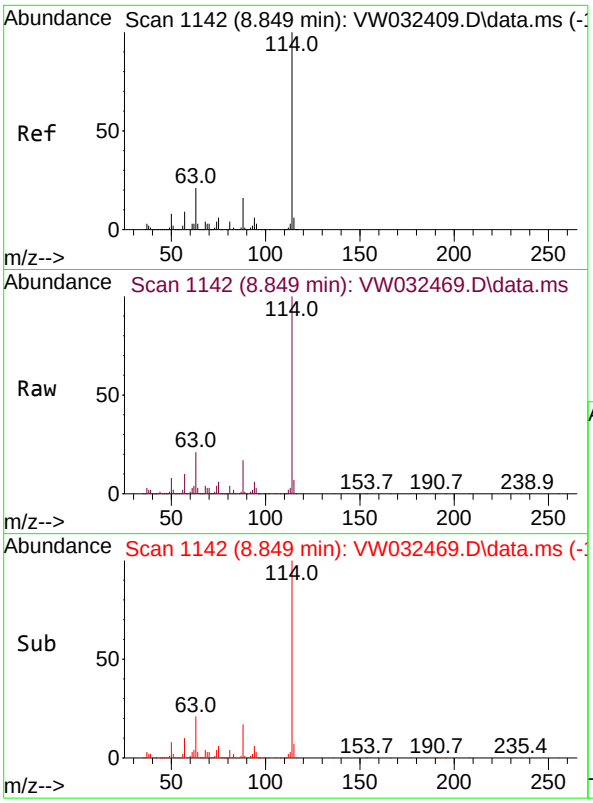


#33
1,2-Dichloroethane-d4
Concen: 64.691 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032469.D
Acq: 18 Nov 2025 10:13

Tgt Ion: 65 Resp: 177417

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	106.8



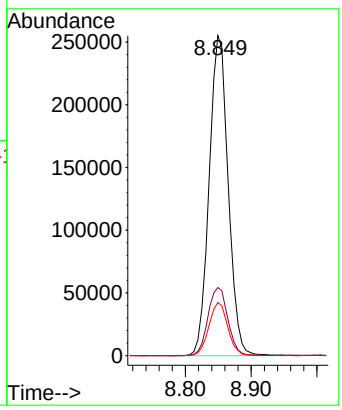


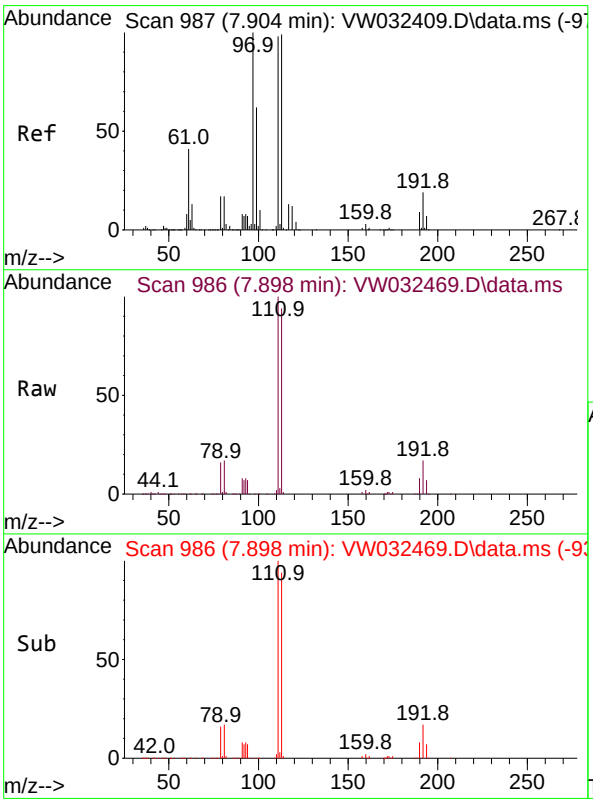
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032469.D
Acq: 18 Nov 2025 10:13

Instrument :
MSVOA_W
ClientSampleId :
VW1118SBL01

Tgt Ion:114 Resp: 511741

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	41.8
88	16.6	0.0	32.6

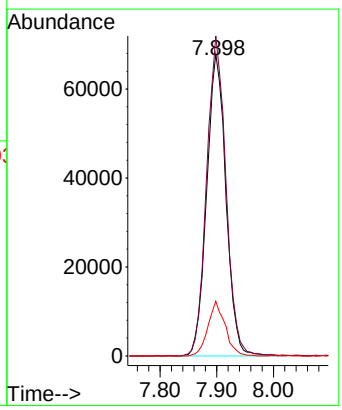


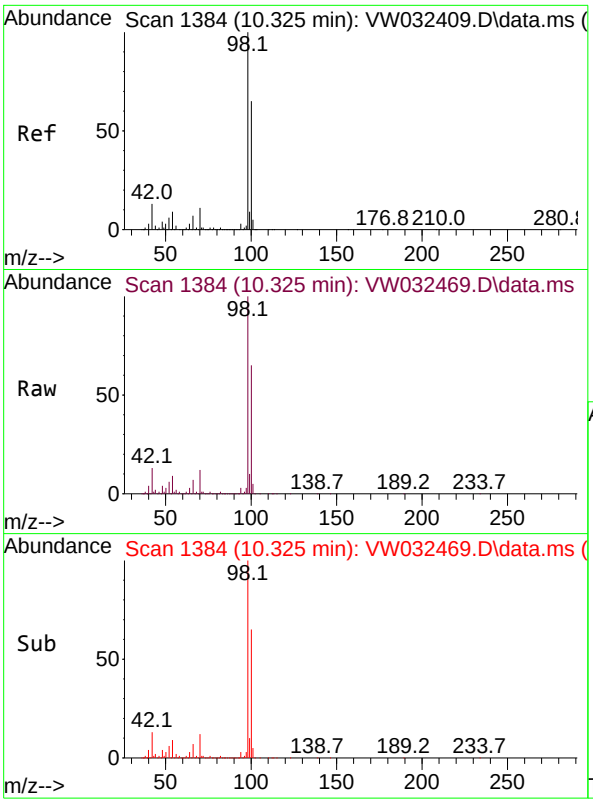


#35
Dibromofluoromethane
Concen: 52.255 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032469.D
Acq: 18 Nov 2025 10:13

Tgt Ion:113 Resp: 160106

Ion	Ratio	Lower	Upper
113	100		
111	106.3	83.1	124.7
192	16.2	13.4	20.2



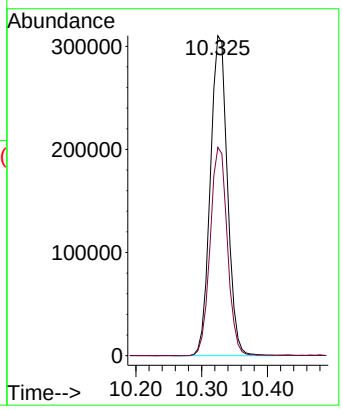


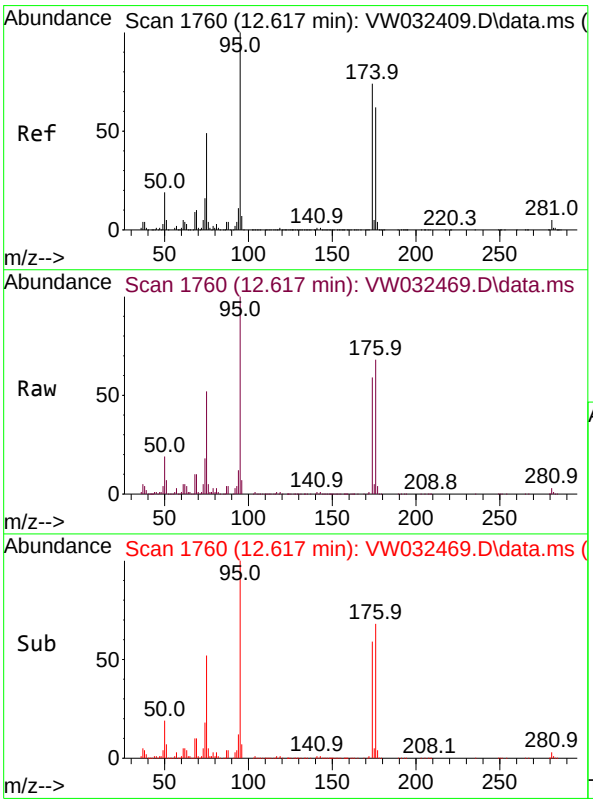
#50
Toluene-d8
Concen: 47.411 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032469.D
Acq: 18 Nov 2025 10:13

Instrument :
MSVOA_W
ClientSampleId :
VW1118SBL01

Tgt Ion: 98 Resp: 557281

Ion	Ratio	Lower	Upper
98	100		
100	65.7	53.3	79.9

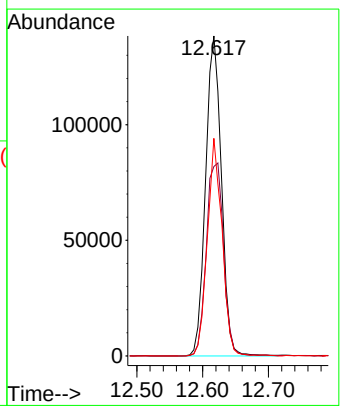


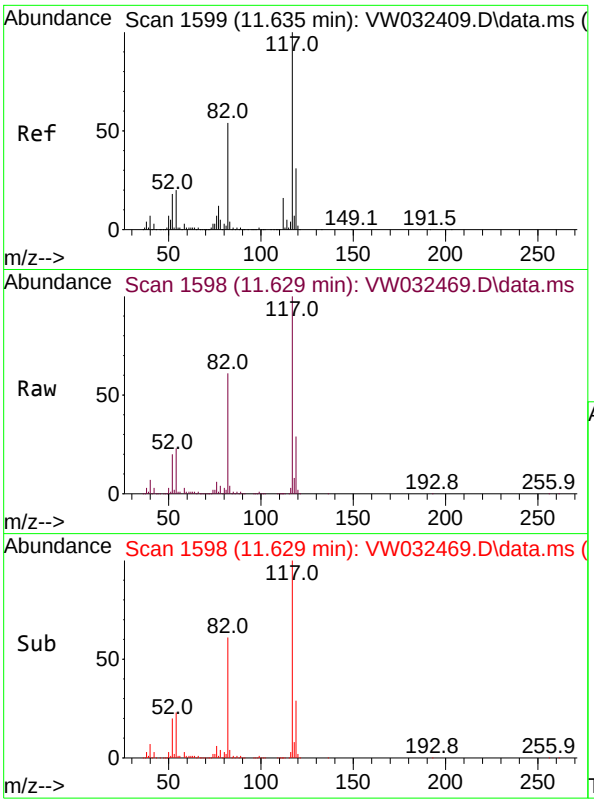


#62
4-Bromofluorobenzene
Concen: 52.041 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032469.D
Acq: 18 Nov 2025 10:13

Tgt Ion: 95 Resp: 231076

Ion	Ratio	Lower	Upper
95	100		
174	65.9	0.0	135.4
176	63.2	0.0	131.8



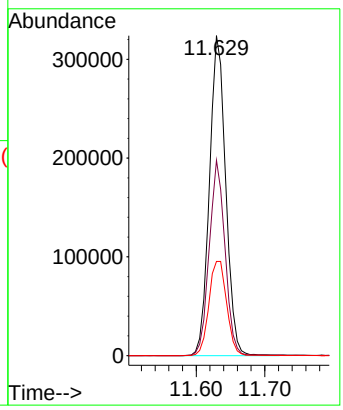


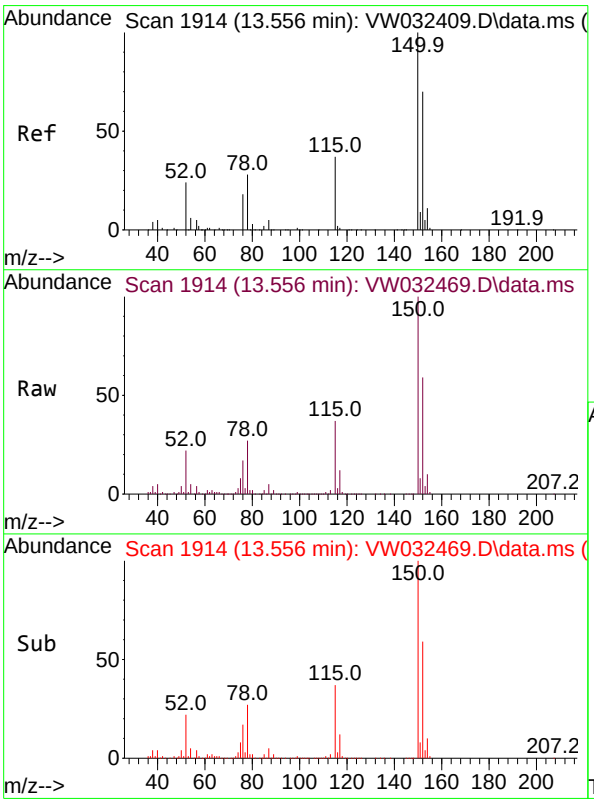
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW032469.D
Acq: 18 Nov 2025 10:13

Instrument :
MSVOA_W
ClientSampleId :
VW1118SBL01

Tgt Ion:117 Resp: 533709

Ion	Ratio	Lower	Upper
117	100		
82	61.1	43.0	64.4
119	29.4	25.0	37.6

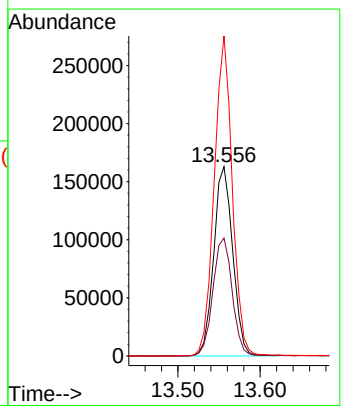




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032469.D
Acq: 18 Nov 2025 10:13

Tgt Ion:152 Resp: 261053

Ion	Ratio	Lower	Upper
152	100		
115	63.2	32.8	98.3
150	161.2	0.0	356.6



Sample Results: **VW032469.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032469.D
Acq On : 18 Nov 2025 10:13
Operator : SY/MD
Sample : VW1118SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1118SBL01

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_W\Method\82W111025S.M
Title : SW846 8260

Signal : TIC: VW032469.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.161	369	373	391	rVB4	11071	43701	2.60%	0.467%
2	4.948	492	502	512	rBV2	13471	48057	2.86%	0.514%
3	5.966	660	669	679	rBV3	12263	38239	2.28%	0.409%
4	7.161	853	865	881	rBV	33826	103208	6.14%	1.104%
5	7.898	967	986	991	rBV	222246	544155	32.39%	5.821%
6	7.959	991	996	1008	rVB	297872	664220	39.54%	7.105%
7	8.264	1038	1046	1047	rBV2	12295	22590	1.34%	0.242%
8	8.319	1047	1055	1066	rVB	216925	495353	29.49%	5.299%
9	8.849	1132	1142	1159	rBV	607114	1235417	73.54%	13.215%
10	10.325	1376	1384	1399	rBV	833056	1503059	89.48%	16.078%
11	10.703	1437	1446	1453	rVB2	54698	103756	6.18%	1.110%
12	11.062	1499	1505	1514	rBV2	37248	67476	4.02%	0.722%
13	11.434	1557	1566	1575	rVB4	7820	18193	1.08%	0.195%
14	11.629	1590	1598	1608	rBV	1007973	1679831	100.00%	17.969%
15	12.617	1749	1760	1771	rBV2	643060	1098098	65.37%	11.746%
16	12.928	1803	1811	1818	rBV5	8586	17157	1.02%	0.184%
17	13.556	1906	1914	1924	rBV	1033242	1643799	97.86%	17.583%
18	14.062	1990	1997	2004	rVB	11268	22417	1.33%	0.240%

Sum of corrected areas: 9348726

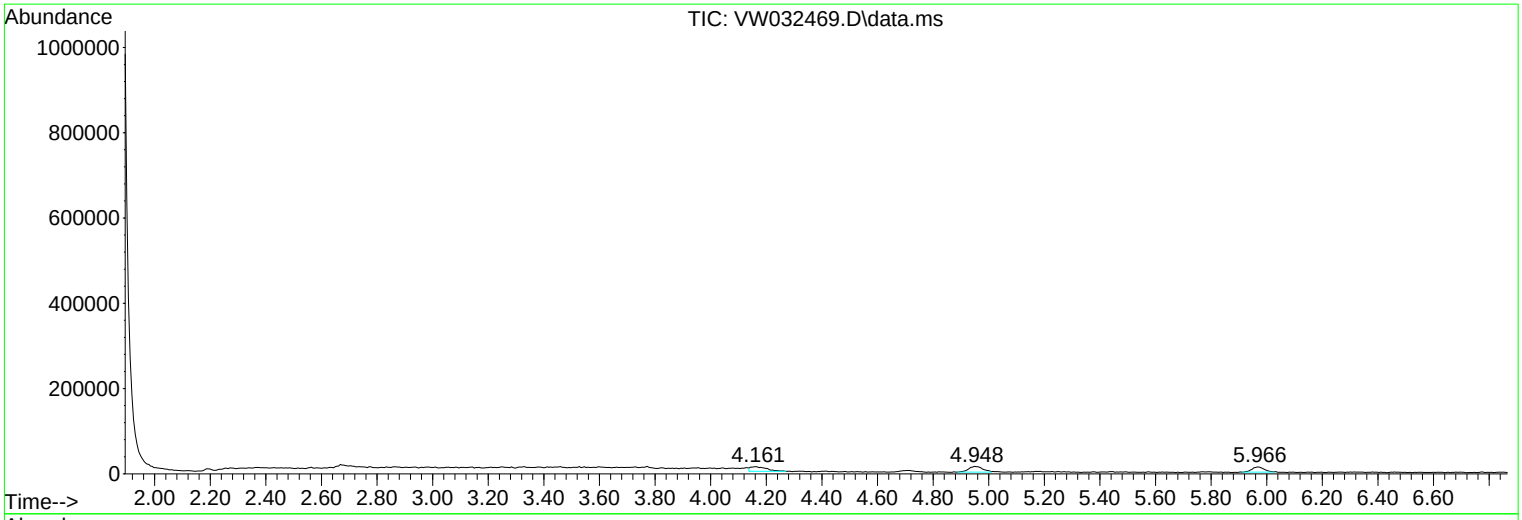
Sample Results: **VW032469.D**

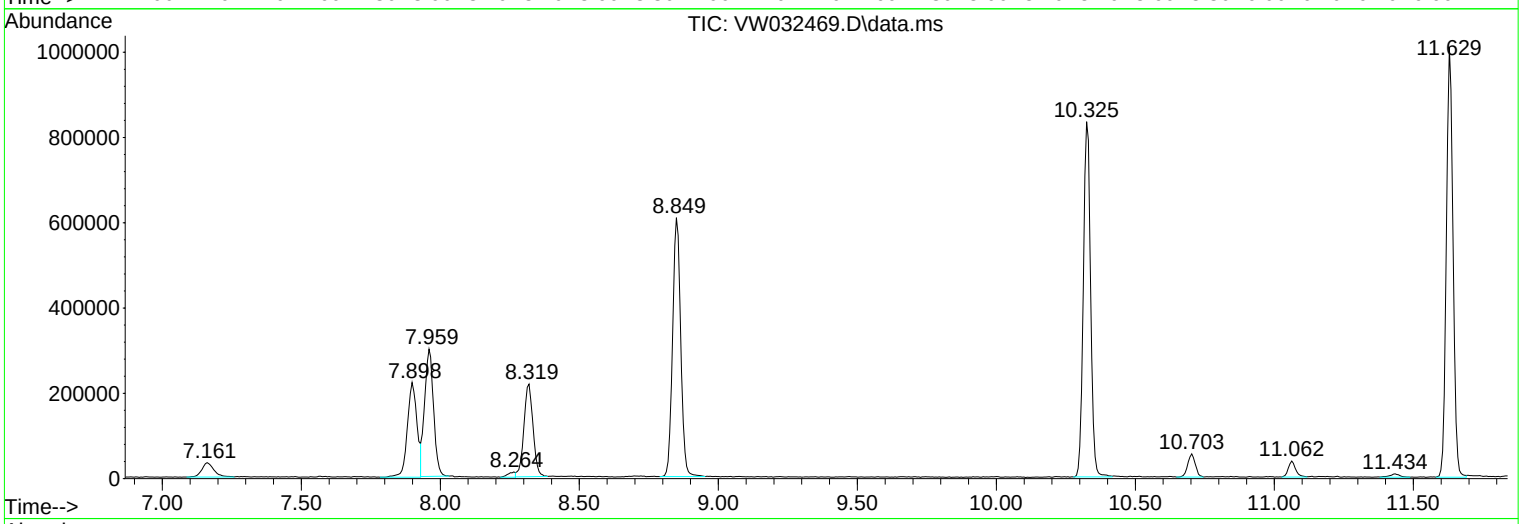
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032469.D
Acq On : 18 Nov 2025 10:13
Operator : SY/MD
Sample : VW1118SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

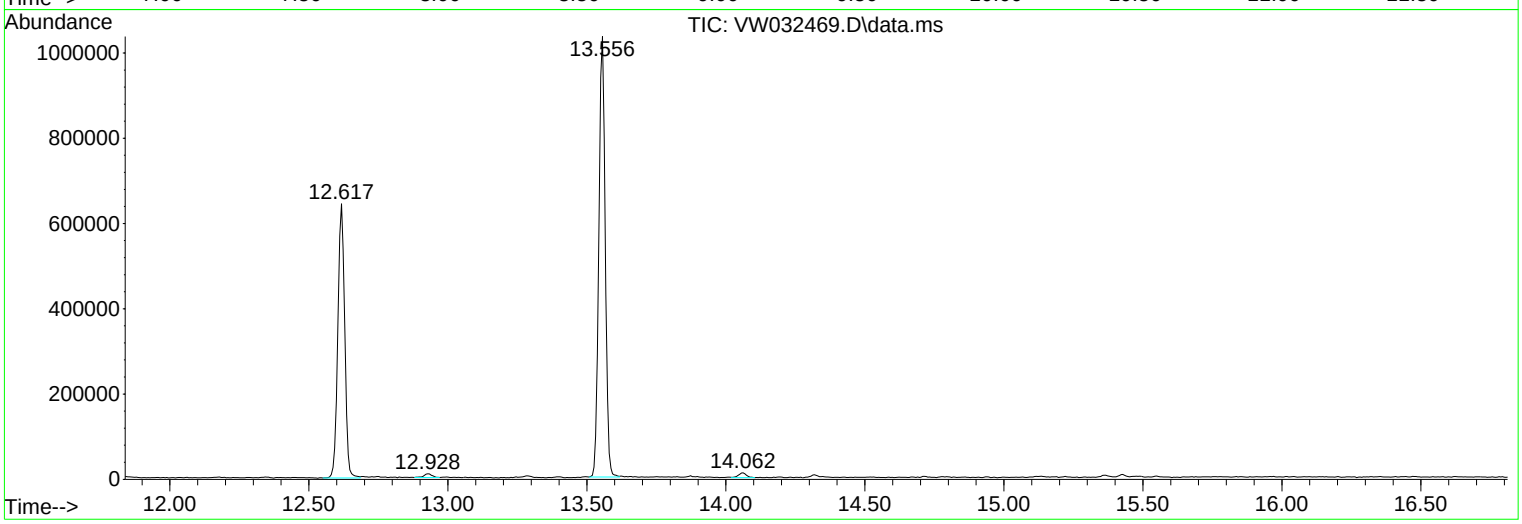
Instrument :
MSVOA_W
ClientSampleId :
VW1118SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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







Sample Results: **VW032469.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032469.D
Acq On : 18 Nov 2025 10:13
Operator : SY/MD
Sample : VW1118SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1118SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.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_W\Data\VW111825\
Data File : VW032469.D
Acq On : 18 Nov 2025 10:13
Operator : SY/MD
Sample : VW1118SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1118SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.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_W\Data\VW111825\
Data File : VW032470.D
Acq On : 18 Nov 2025 10:40
Operator : SY/MD
Sample : VW1118SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 00:24:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW1118SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	368383	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	685400	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	608119	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	294055	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	255196	53.733	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 107.460%			
35) Dibromofluoromethane	7.898	113	213451	52.015	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 104.020%			
50) Toluene-d8	10.325	98	818872	52.015	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 104.040%			
62) 4-Bromofluorobenzene	12.617	95	307374	51.685	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 103.360%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	38488	20.593	ug/l	99
3) Chloromethane	2.253	50	71618	22.355	ug/l	93
4) Vinyl Chloride	2.405	62	89842	22.221	ug/l	99
5) Bromomethane	2.820	94	58280	21.549	ug/l	97
6) Chloroethane	2.960	64	56196	21.244	ug/l	97
7) Trichlorofluoromethane	3.301	101	58389	18.419	ug/l	94
8) Diethyl Ether	3.716	74	55714	21.497	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.100	101	75306	21.808	ug/l	98
10) Methyl Iodide	4.307	142	119544	21.494	ug/l	98
11) Tert butyl alcohol	5.210	59	48334	117.694	ug/l	97
12) 1,1-Dichloroethene	4.076	96	86906	21.948	ug/l	93
13) Acrolein	3.923	56	64287	93.300	ug/l	99
14) Allyl chloride	4.704	41	159169	20.903	ug/l	97
15) Acrylonitrile	5.399	53	160342	107.002	ug/l	99
16) Acetone	4.155	43	156966	110.471	ug/l	97
17) Carbon Disulfide	4.417	76	245893	21.011	ug/l	99
18) Methyl Acetate	4.710	43	70931	20.159	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	173277	20.760	ug/l	98
20) Methylene Chloride	4.954	84	122854	24.177	ug/l	97
21) trans-1,2-Dichloroethene	5.460	96	98918	21.848	ug/l	96
22) Diisopropyl ether	6.337	45	341073	22.000	ug/l	99
23) Vinyl Acetate	6.283	43	1141803	107.495	ug/l	98
24) 1,1-Dichloroethane	6.240	63	188427	22.184	ug/l	99
25) 2-Butanone	7.191	43	215588	102.988	ug/l	99
26) 2,2-Dichloropropane	7.179	77	103861	21.940	ug/l	97
27) cis-1,2-Dichloroethene	7.185	96	114228	21.115	ug/l	94
28) Bromochloromethane	7.532	49	91122	22.698	ug/l	98
29) Tetrahydrofuran	7.551	42	140459	105.716	ug/l	99
30) Chloroform	7.691	83	187382	22.535	ug/l	96
31) Cyclohexane	7.965	56	171770	21.862	ug/l	97
32) 1,1,1-Trichloroethane	7.886	97	129040	21.723	ug/l	97
36) 1,1-Dichloropropene	8.099	75	131104	21.683	ug/l	99
37) Ethyl Acetate	7.270	43	95031	21.137	ug/l	99
38) Carbon Tetrachloride	8.081	117	116247	21.638	ug/l	98
39) Methylcyclohexane	9.343	83	161283	20.591	ug/l	98
40) Benzene	8.331	78	425541	21.855	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032470.D
Acq On : 18 Nov 2025 10:40
Operator : SY/MD
Sample : VW1118SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 00:24:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW1118SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	52311	21.180	ug/l		97
42) 1,2-Dichloroethane	8.410	62	127207	22.242	ug/l		100
43) Isopropyl Acetate	8.435	43	165173	20.748	ug/l		99
44) Trichloroethene	9.099	130	96297	21.254	ug/l		97
45) 1,2-Dichloropropane	9.373	63	107029	22.075	ug/l		100
46) Dibromomethane	9.465	93	62354	22.008	ug/l		100
47) Bromodichloromethane	9.648	83	140779	21.783	ug/l		98
48) Methyl methacrylate	9.441	41	73852	19.522	ug/l		94
49) 1,4-Dioxane	9.471	88	17446	439.555	ug/l	#	95
51) 4-Methyl-2-Pentanone	10.209	43	477160	108.419	ug/l		98
52) Toluene	10.392	92	259957	21.614	ug/l		100
53) t-1,3-Dichloropropene	10.605	75	136548	20.515	ug/l		96
54) cis-1,3-Dichloropropene	10.075	75	160370	20.835	ug/l		96
55) 1,1,2-Trichloroethane	10.788	97	82820	21.308	ug/l		92
56) Ethyl methacrylate	10.648	69	119127	19.976	ug/l		99
57) 1,3-Dichloropropane	10.934	76	150767	21.719	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.928	63	342033	107.697	ug/l		99
59) 2-Hexanone	10.971	43	328980	102.168	ug/l		98
60) Dibromochloromethane	11.129	129	90761	20.911	ug/l		99
61) 1,2-Dibromoethane	11.233	107	80832	21.353	ug/l		98
64) Tetrachloroethene	10.861	164	78315	21.747	ug/l		91
65) Chlorobenzene	11.654	112	283163	21.604	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.727	131	87522	21.576	ug/l		99
67) Ethyl Benzene	11.727	91	480261	21.176	ug/l		97
68) m/p-Xylenes	11.836	106	370819	43.548	ug/l		98
69) o-Xylene	12.166	106	174282	21.376	ug/l		96
70) Styrene	12.178	104	303516	21.640	ug/l		99
71) Bromoform	12.349	173	48193	20.058	ug/l	#	99
73) Isopropylbenzene	12.464	105	433479	20.072	ug/l		100
74) N-amyl acetate	12.269	43	148008	19.722	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.714	83	108325	21.135	ug/l		97
76) 1,2,3-Trichloropropane	12.763	75	78035m	19.354	ug/l		
77) Bromobenzene	12.745	156	108802	21.278	ug/l		99
78) n-propylbenzene	12.800	91	561613	21.354	ug/l		97
79) 2-Chlorotoluene	12.891	91	334404	20.828	ug/l		98
80) 1,3,5-Trimethylbenzene	12.940	105	361865	20.310	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.507	75	33360	18.951	ug/l		93
82) 4-Chlorotoluene	12.989	91	350145	20.968	ug/l		96
83) tert-Butylbenzene	13.202	119	308467	19.902	ug/l		98
84) 1,2,4-Trimethylbenzene	13.245	105	377306	20.820	ug/l		100
85) sec-Butylbenzene	13.379	105	461376	19.988	ug/l		100
86) p-Isopropyltoluene	13.495	119	385969	20.252	ug/l		100
87) 1,3-Dichlorobenzene	13.495	146	205508	21.198	ug/l		96
88) 1,4-Dichlorobenzene	13.574	146	206055	20.746	ug/l		97
89) n-Butylbenzene	13.818	91	376028	20.195	ug/l		98
90) Hexachloroethane	14.086	117	68760	20.010	ug/l		93
91) 1,2-Dichlorobenzene	13.867	146	188016	21.126	ug/l		95
92) 1,2-Dibromo-3-Chloropr...	14.482	75	16916	19.159	ug/l		98
93) 1,2,4-Trichlorobenzene	15.122	180	113600	20.059	ug/l		98
94) Hexachlorobutadiene	15.226	225	47617	20.241	ug/l		97
95) Naphthalene	15.354	128	253885	17.977	ug/l		98
96) 1,2,3-Trichlorobenzene	15.549	180	102712	19.976	ug/l		94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032470.D
Acq On : 18 Nov 2025 10:40
Operator : SY/MD
Sample : VW1118SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 00:24:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW1118SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

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

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

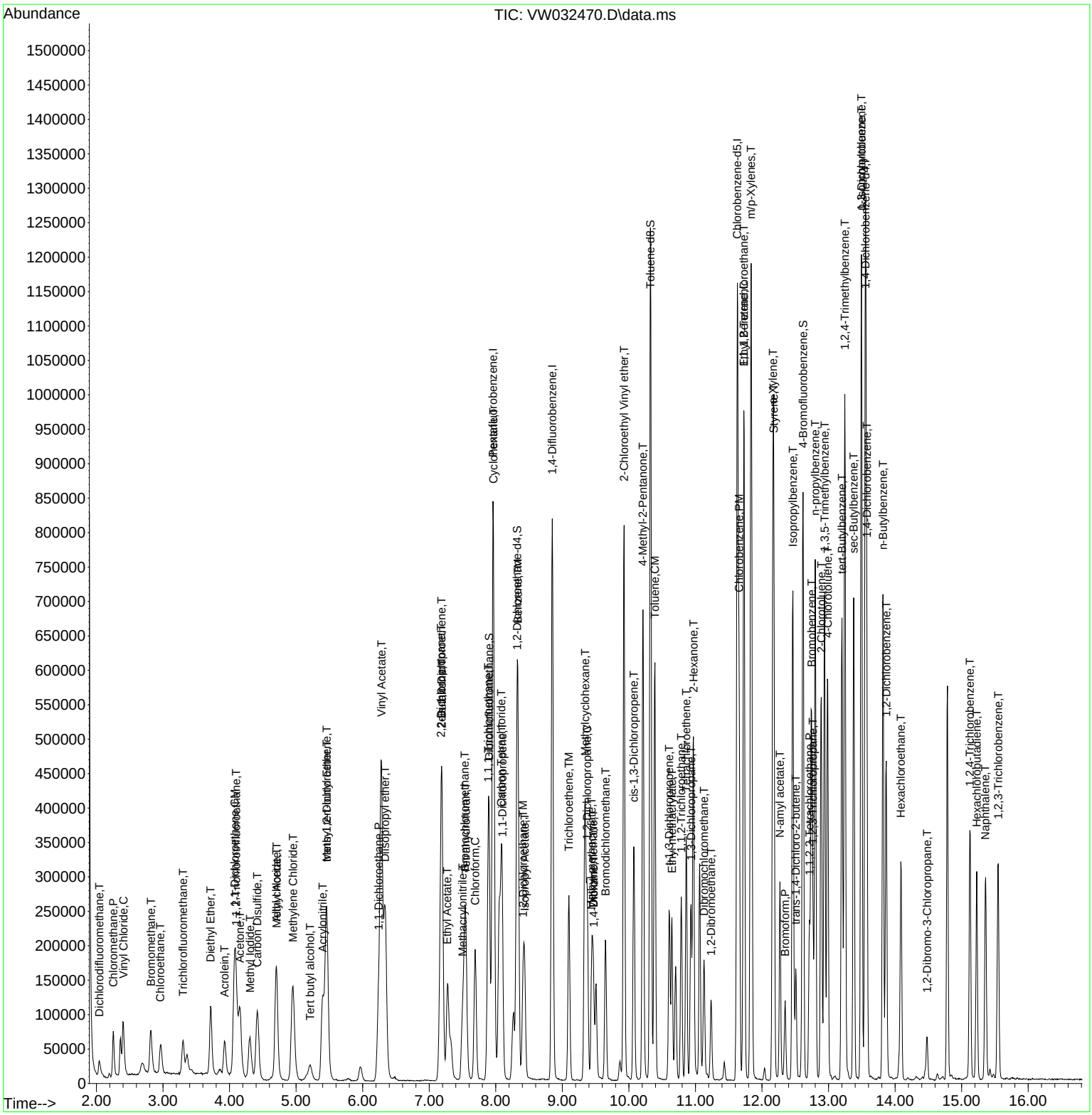
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032470.D
Acq On : 18 Nov 2025 10:40
Operator : SY/MD
Sample : VW1118SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 00:24:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW1118SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032471.D
Acq On : 18 Nov 2025 11:02
Operator : SY/MD
Sample : VW1118SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 19 00:25:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW1118SBSD01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	367695	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	692034	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	614192	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	277057	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	247225	52.152	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 104.300%			
35) Dibromofluoromethane	7.904	113	209098	50.466	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 100.940%			
50) Toluene-d8	10.325	98	814032	51.212	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 102.420%			
62) 4-Bromofluorobenzene	12.617	95	298194	49.661	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 99.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.040	85	40835	21.889	ug/l	94
3) Chloromethane	2.253	50	70404	22.017	ug/l	99
4) Vinyl Chloride	2.405	62	90715	22.479	ug/l	95
5) Bromomethane	2.820	94	60053	22.246	ug/l	97
6) Chloroethane	2.966	64	57168	21.652	ug/l	99
7) Trichlorofluoromethane	3.308	101	70047	22.138	ug/l	92
8) Diethyl Ether	3.716	74	53653	20.741	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	78214	22.693	ug/l	98
10) Methyl Iodide	4.307	142	117653	21.194	ug/l	98
11) Tert butyl alcohol	5.216	59	44484	108.522	ug/l	100
12) 1,1-Dichloroethene	4.076	96	88001	22.266	ug/l	100
13) Acrolein	3.929	56	61188	88.969	ug/l	98
14) Allyl chloride	4.704	41	164742	21.676	ug/l	98
15) Acrylonitrile	5.405	53	158572	106.019	ug/l	98
16) Acetone	4.161	43	148438	104.664	ug/l	98
17) Carbon Disulfide	4.417	76	251424	21.524	ug/l	98
18) Methyl Acetate	4.710	43	70239	20.000	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	172461	20.701	ug/l	100
20) Methylene Chloride	4.954	84	119594	23.580	ug/l	98
21) trans-1,2-Dichloroethene	5.460	96	99851	22.095	ug/l	93
22) Diisopropyl ether	6.344	45	347227	22.439	ug/l	96
23) Vinyl Acetate	6.283	43	1145335	108.030	ug/l	98
24) 1,1-Dichloroethane	6.246	63	191582	22.597	ug/l	99
25) 2-Butanone	7.191	43	211255	101.107	ug/l	97
26) 2,2-Dichloropropane	7.185	77	106084	22.452	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	116504	21.576	ug/l	97
28) Bromochloromethane	7.532	49	91167	22.751	ug/l	95
29) Tetrahydrofuran	7.557	42	140552	105.984	ug/l	98
30) Chloroform	7.697	83	188461	22.707	ug/l	98
31) Cyclohexane	7.965	56	172748	22.027	ug/l	91
32) 1,1,1-Trichloroethane	7.886	97	131999	22.263	ug/l	98
36) 1,1-Dichloropropene	8.093	75	136205	22.311	ug/l	98
37) Ethyl Acetate	7.276	43	95805	21.105	ug/l	99
38) Carbon Tetrachloride	8.081	117	122018	22.494	ug/l	89
39) Methylcyclohexane	9.343	83	164638	20.818	ug/l	91
40) Benzene	8.337	78	428421	21.792	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032471.D
Acq On : 18 Nov 2025 11:02
Operator : SY/MD
Sample : VW1118SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 19 00:25:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW1118SBSD01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	49368	19.797	ug/l		97
42) 1,2-Dichloroethane	8.410	62	126122	21.841	ug/l		99
43) Isopropyl Acetate	8.435	43	164319	20.442	ug/l		99
44) Trichloroethene	9.099	130	97571	21.328	ug/l		98
45) 1,2-Dichloropropane	9.374	63	106607	21.777	ug/l		98
46) Dibromomethane	9.465	93	62759	21.939	ug/l		97
47) Bromodichloromethane	9.654	83	139764	21.418	ug/l		97
48) Methyl methacrylate	9.441	41	73924	19.354	ug/l		95
49) 1,4-Dioxane	9.465	88	16943	422.790	ug/l	#	97
51) 4-Methyl-2-Pentanone	10.215	43	469930	105.753	ug/l		99
52) Toluene	10.392	92	266368	21.935	ug/l		98
53) t-1,3-Dichloropropene	10.611	75	137060	20.395	ug/l		97
54) cis-1,3-Dichloropropene	10.081	75	161937	20.837	ug/l		99
55) 1,1,2-Trichloroethane	10.788	97	83014	21.154	ug/l		98
56) Ethyl methacrylate	10.648	69	118441	19.670	ug/l		98
57) 1,3-Dichloropropane	10.934	76	150752	21.508	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.928	63	334590	104.343	ug/l		100
59) 2-Hexanone	10.971	43	328281	100.974	ug/l		97
60) Dibromochloromethane	11.136	129	90803	20.720	ug/l		99
61) 1,2-Dibromoethane	11.239	107	79907	20.906	ug/l		99
64) Tetrachloroethene	10.861	164	76983	21.166	ug/l		92
65) Chlorobenzene	11.654	112	284215	21.470	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.733	131	85505	20.871	ug/l		97
67) Ethyl Benzene	11.727	91	501618	21.899	ug/l		99
68) m/p-Xylenes	11.837	106	381526	44.363	ug/l		99
69) o-Xylene	12.166	106	174487	21.189	ug/l		100
70) Styrene	12.178	104	310384	21.911	ug/l		100
71) Bromoform	12.343	173	46921	19.336	ug/l	#	98
73) Isopropylbenzene	12.458	105	440952	21.670	ug/l		100
74) N-amyl acetate	12.269	43	149690	21.170	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.708	83	107453	22.251	ug/l		100
76) 1,2,3-Trichloropropane	12.763	75	76438m	20.121	ug/l		
77) Bromobenzene	12.745	156	102986	21.376	ug/l		92
78) n-propylbenzene	12.800	91	559230	22.568	ug/l		100
79) 2-Chlorotoluene	12.891	91	340426	22.504	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	374042	22.281	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.507	75	33213	20.025	ug/l		92
82) 4-Chlorotoluene	12.989	91	355073	22.568	ug/l		100
83) tert-Butylbenzene	13.202	119	315255	21.588	ug/l		99
84) 1,2,4-Trimethylbenzene	13.245	105	383766	22.476	ug/l		100
85) sec-Butylbenzene	13.379	105	481804	22.154	ug/l		99
86) p-Isopropyltoluene	13.495	119	401289	22.347	ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	205534	22.502	ug/l		97
88) 1,4-Dichlorobenzene	13.574	146	202383	21.627	ug/l		95
89) n-Butylbenzene	13.818	91	385664	21.984	ug/l		98
90) Hexachloroethane	14.086	117	71838	22.189	ug/l		96
91) 1,2-Dichlorobenzene	13.867	146	181954	21.700	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.476	75	16497	19.830	ug/l		96
93) 1,2,4-Trichlorobenzene	15.129	180	106304	19.922	ug/l		92
94) Hexachlorobutadiene	15.232	225	45508	20.531	ug/l		90
95) Naphthalene	15.360	128	256327	19.263	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	99190	20.475	ug/l		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032471.D
Acq On : 18 Nov 2025 11:02
Operator : SY/MD
Sample : VW1118SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1118SBSD01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

Quant Time: Nov 19 00:25:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

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

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

Sample Results: **VW032471.D**

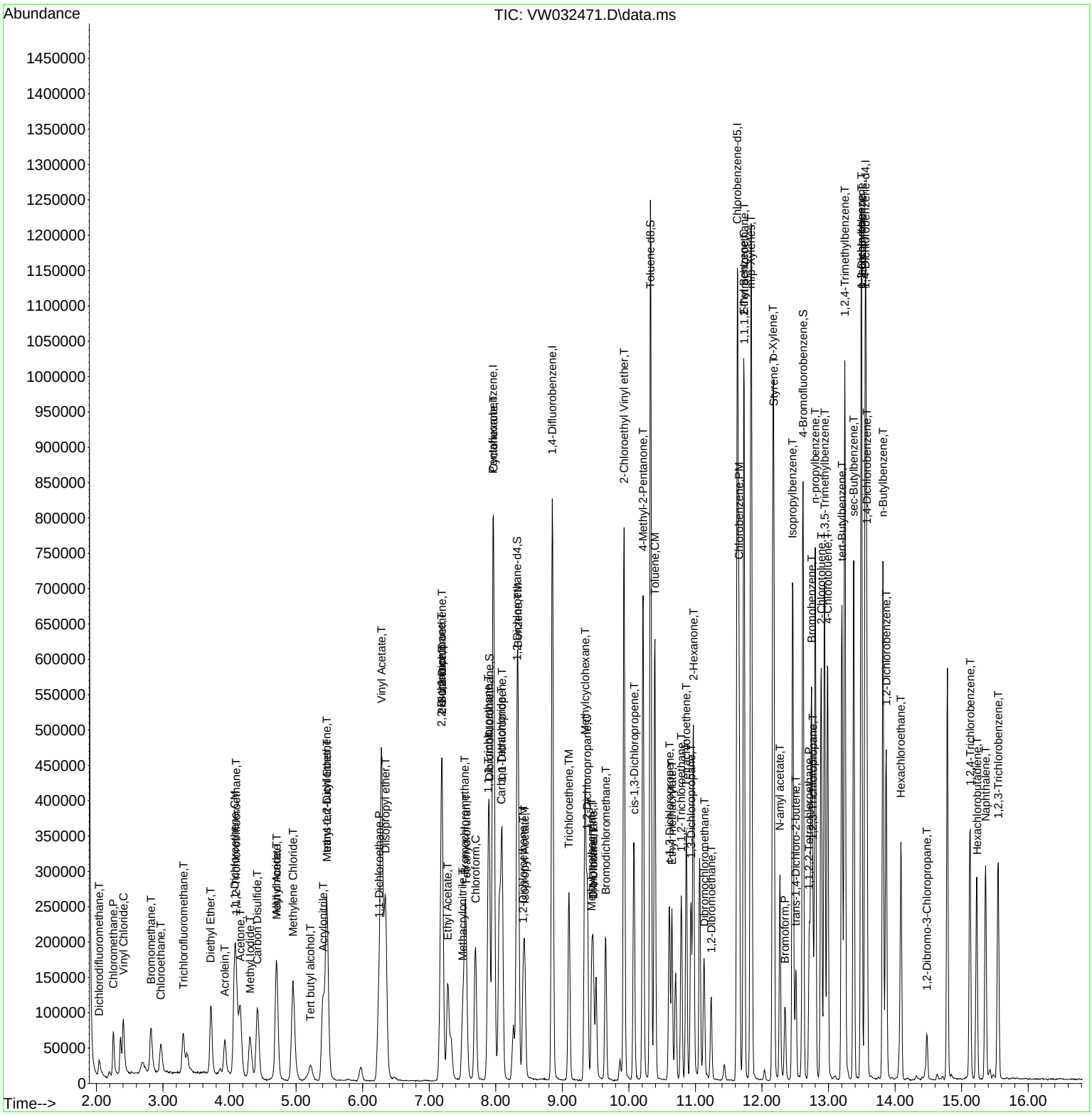
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
Data File : VW032471.D
Acq On : 18 Nov 2025 11:02
Operator : SY/MD
Sample : VW1118SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 19 00:25:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW1118SBSD01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



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Manual Integration Report

Sequence:	VW111025	Instrument	MSVOA_w

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VW032406.D	1,2,3-Trichloropropane	Amit	11/11/2025 9:30:31 AM	sam	11/11/2025 12:29:21 PM	Peak Integrated by Software
VSTDICC005	VW032406.D	Dichlorodifluoromethane	Amit	11/11/2025 9:30:31 AM	sam	11/11/2025 12:29:21 PM	Peak Integrated by Software
VSTDICC010	VW032407.D	1,2,3-Trichloropropane	Amit	11/11/2025 9:30:35 AM	sam	11/11/2025 12:29:25 PM	Peak Integrated by Software
VSTDICC010	VW032407.D	Dichlorodifluoromethane	Amit	11/11/2025 9:30:35 AM	sam	11/11/2025 12:29:25 PM	Peak Integrated by Software
VSTDICC020	VW032408.D	1,2,3-Trichloropropane	Amit	11/11/2025 9:30:39 AM	sam	11/11/2025 12:30:15 PM	Peak Integrated by Software
VSTDICCC050	VW032409.D	1,2,3-Trichloropropane	Amit	11/11/2025 9:30:43 AM	sam	11/11/2025 12:29:38 PM	Peak Integrated by Software
VSTDICC100	VW032410.D	1,2,3-Trichloropropane	Amit	11/11/2025 9:30:48 AM	sam	11/11/2025 12:30:21 PM	Peak Integrated by Software
VSTDICC150	VW032411.D	1,2,3-Trichloropropane	Amit	11/11/2025 9:30:52 AM	sam	11/11/2025 12:29:30 PM	Peak Integrated by Software
VSTDICV050	VW032413.D	1,2,3-Trichloropropane	Amit	11/11/2025 9:30:57 AM	sam	11/11/2025 12:29:34 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VW111825	Instrument	MSVOA_w

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VW032468.D	1,2,3-Trichloropropane	Amit	11/19/2025 10:30:14 AM	MMDadoda	11/19/2025 11:20:14 AM	Peak Integrated by Software
VW1118SBS01	VW032470.D	1,2,3-Trichloropropane	Amit	11/19/2025 10:30:18 AM	MMDadoda	11/19/2025 11:20:17 AM	Peak Integrated by Software
VW1118SBSD01	VW032471.D	1,2,3-Trichloropropane	Amit	11/19/2025 10:30:23 AM	MMDadoda	11/19/2025 11:20:20 AM	Peak Integrated by Software
VSTDCCC050	VW032488.D	1,2,3-Trichloropropane	Amit	11/19/2025 10:30:27 AM	MMDadoda	11/19/2025 11:20:25 AM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW111025

Review By	Amit Patel	Review On	11/11/2025 7:21:42 AM				
Supervise By	Mahesh Dadoda	Supervise On	11/17/2025 1:37:22 PM				
SubDirectory	VW111025	HP Acquire Method	VP134934	HP Processing Method	82w111025s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP136122
Initial Calibration Stds	VP136123,VP136124,VP136125,VP136126,VP136127,VP136128
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP136129
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VW032405.D	10 Nov 2025 14:20	SY/MD	Ok
2	VSTDICC005	VW032406.D	10 Nov 2025 15:11	SY/MD	Ok,M
3	VSTDICC010	VW032407.D	10 Nov 2025 15:33	SY/MD	Ok,M
4	VSTDICC020	VW032408.D	10 Nov 2025 15:55	SY/MD	Ok,M
5	VSTDICCC050	VW032409.D	10 Nov 2025 16:17	SY/MD	Ok,M
6	VSTDICC100	VW032410.D	10 Nov 2025 16:39	SY/MD	Ok,M
7	VSTDICC150	VW032411.D	10 Nov 2025 17:00	SY/MD	Ok,M
8	VIBLK	VW032412.D	10 Nov 2025 17:22	SY/MD	Ok
9	VSTDICV050	VW032413.D	10 Nov 2025 17:44	SY/MD	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW111825

Review By	Amit Patel	Review On	11/19/2025 10:30:41 AM				
Supervise By	Mahesh Dadoda	Supervise On	11/19/2025 11:20:35 AM				
SubDirectory	VW111825	HP Acquire Method	MSVOA_W	HP Processing Method	82w111025s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP136296
Initial Calibration Stds	
CCC	VP136299,VP136300
Internal Standard/PEM	VP136146
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VW032467.D	18 Nov 2025 09:15	SY/MD	Ok
2	VSTDCCC050	VW032468.D	18 Nov 2025 09:46	SY/MD	Ok,M
3	VW1118SBL01	VW032469.D	18 Nov 2025 10:13	SY/MD	Ok
4	VW1118SBS01	VW032470.D	18 Nov 2025 10:40	SY/MD	Ok,M
5	VW1118SBSD01	VW032471.D	18 Nov 2025 11:02	SY/MD	Ok,M
6	Q3658-01	VW032472.D	18 Nov 2025 11:50	SY/MD	Ok
7	Q3656-01	VW032473.D	18 Nov 2025 12:12	SY/MD	Ok
8	Q3633-05	VW032474.D	18 Nov 2025 12:34	SY/MD	Ok
9	Q3641-01RE	VW032475.D	18 Nov 2025 12:56	SY/MD	Confirms
10	Q3638-01	VW032476.D	18 Nov 2025 13:18	SY/MD	Ok
11	Q3638-03	VW032477.D	18 Nov 2025 13:40	SY/MD	Ok
12	Q3640-03	VW032478.D	18 Nov 2025 14:02	SY/MD	Ok
13	Q3661-02	VW032479.D	18 Nov 2025 14:24	SY/MD	ReRun
14	Q3652-03	VW032480.D	18 Nov 2025 14:46	SY/MD	Ok
15	Q3649-02	VW032481.D	18 Nov 2025 15:08	SY/MD	ReRun
16	Q3649-04	VW032482.D	18 Nov 2025 15:30	SY/MD	ReRun
17	Q3649-05	VW032483.D	18 Nov 2025 15:52	SY/MD	Ok
18	Q3649-09	VW032484.D	18 Nov 2025 16:14	SY/MD	Ok
19	Q3662-01	VW032485.D	18 Nov 2025 16:36	SY/MD	Ok
20	Q3662-03	VW032486.D	18 Nov 2025 16:58	SY/MD	Ok
21	VIBLK	VW032487.D	18 Nov 2025 17:20	SY/MD	Ok

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Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW111825

Review By	Amit Patel	Review On	11/19/2025 10:30:41 AM				
Supervise By	Mahesh Dadoda	Supervise On	11/19/2025 11:20:35 AM				
SubDirectory	VW111825	HP Acquire Method	MSVOA_W	HP Processing Method	82w111025s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP136296
Initial Calibration Stds	
CCC	VP136299,VP136300
Internal Standard/PEM	VP136146
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VSTDCCC050	VW032488.D	18 Nov 2025 17:43	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW111025

Review By	Amit Patel	Review On	11/11/2025 7:21:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/17/2025 1:37:22 PM		
SubDirectory	VW111025	HP Acquire Method	VP134934	HP Processing Method	82w111025s.m

STD. NAME	STD REF.#
Tune/Reschk	VP136122
Initial Calibration Stds	VP136123,VP136124,VP136125,VP136126,VP136127,VP136128
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP136129
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VW032405.D	10 Nov 2025 14:20		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VW032406.D	10 Nov 2025 15:11		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VW032407.D	10 Nov 2025 15:33		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VW032408.D	10 Nov 2025 15:55		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VW032409.D	10 Nov 2025 16:17		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VW032410.D	10 Nov 2025 16:39		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VW032411.D	10 Nov 2025 17:00		SY/MD	Ok,M
8	VIBLK	VIBLK	VW032412.D	10 Nov 2025 17:22		SY/MD	Ok
9	VSTDICV050	ICVVW111025	VW032413.D	10 Nov 2025 17:44		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW111825

Review By	Amit Patel	Review On	11/19/2025 10:30:41 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/19/2025 11:20:35 AM		
SubDirectory	VW111825	HP Acquire Method	MSVOA_W	HP Processing Method	82w111025s.m

STD. NAME	STD REF.#
Tune/Reschk	VP136296
Initial Calibration Stds	
CCC	VP136299,VP136300
Internal Standard/PEM	VP136146
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VW032467.D	18 Nov 2025 09:15		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VW032468.D	18 Nov 2025 09:46		SY/MD	Ok,M
3	VW1118SBL01	VW1118SBL01	VW032469.D	18 Nov 2025 10:13		SY/MD	Ok
4	VW1118SBS01	VW1118SBS01	VW032470.D	18 Nov 2025 10:40		SY/MD	Ok,M
5	VW1118SBSD01	VW1118SBSD01	VW032471.D	18 Nov 2025 11:02		SY/MD	Ok,M
6	Q3658-01	NB-07-111725	VW032472.D	18 Nov 2025 11:50	vial-A	SY/MD	Ok
7	Q3656-01	T2-GRAVEL	VW032473.D	18 Nov 2025 12:12	vial-A	SY/MD	Ok
8	Q3633-05	ETGI-368	VW032474.D	18 Nov 2025 12:34	vial-B	SY/MD	Ok
9	Q3641-01RE	TR-05-111325RE	VW032475.D	18 Nov 2025 12:56	vial-B Surrogate Fail	SY/MD	Confirms
10	Q3638-01	MOO-25-0327	VW032476.D	18 Nov 2025 13:18	vial-A	SY/MD	Ok
11	Q3638-03	MOO-25-0328	VW032477.D	18 Nov 2025 13:40	vial-A	SY/MD	Ok
12	Q3640-03	LAW-25-0182	VW032478.D	18 Nov 2025 14:02	vial-A	SY/MD	Ok
13	Q3661-02	VOC	VW032479.D	18 Nov 2025 14:24	vial-A Internal Standard Fail	SY/MD	ReRun
14	Q3652-03	TP-1-VOC	VW032480.D	18 Nov 2025 14:46	vial-A	SY/MD	Ok
15	Q3649-02	B5-0.5-1.0-20251114	VW032481.D	18 Nov 2025 15:08	vial-A Surrogate Fail	SY/MD	ReRun
16	Q3649-04	DUPE-0.5-1.0-2025111	VW032482.D	18 Nov 2025 15:30	vial-A Surrogate Fail	SY/MD	ReRun
17	Q3649-05	B4-0.05-1.0-20251114	VW032483.D	18 Nov 2025 15:52	vial-A	SY/MD	Ok
18	Q3649-09	B3-0.5-1.0-20251114	VW032484.D	18 Nov 2025 16:14	vial-A	SY/MD	Ok

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Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW111825

Review By	Amit Patel	Review On	11/19/2025 10:30:41 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/19/2025 11:20:35 AM		
SubDirectory	VW111825	HP Acquire Method	MSVOA_W	HP Processing Method	82w111025s.m

STD. NAME	STD REF.#
Tune/Reschk	VP136296
Initial Calibration Stds	
CCC	VP136299,VP136300
Internal Standard/PEM	VP136146
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q3662-01	B3-0.5-1.0-20251117	VW032485.D	18 Nov 2025 16:36	vial-A	SY/MD	Ok
20	Q3662-03	B1-0.5-1.0-20251117	VW032486.D	18 Nov 2025 16:58	vial-A	SY/MD	Ok
21	VIBLK	VIBLK	VW032487.D	18 Nov 2025 17:20		SY/MD	Ok
22	VSTDCCC050	VSTDCCC050EC	VW032488.D	18 Nov 2025 17:43		SY/MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q3662	**OrderDate:**	11/18/2025 11:14:00 AM
Client:	HDR, Inc.	**Project:**	PVWC Linear Construction
Contact:	Andrew Wadden	**Location:**	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3662-01	**B3-0.5-1.0-20251117**	**SOIL**			**11/17/25**			**11/18/25**
			VOC-TCLVOA-10	8260D			11/18/25	
Q3662-03	**B1-0.5-1.0-20251117**	**SOIL**			**11/17/25**			**11/18/25**
			VOC-TCLVOA-10	8260D			11/18/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3662

Client: HDR, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**B3-0.0-1.0-20251117**								
Q3662-02	B3-0.0-1.0-20251117	SOIL	Phenanthrene		94.700	J	24.6	200	ug/Kg
Q3662-02	B3-0.0-1.0-20251117	SOIL	Fluoranthene		270.000		35.3	200	ug/Kg
Q3662-02	B3-0.0-1.0-20251117	SOIL	Pyrene		190.000	J	42.4	200	ug/Kg
Q3662-02	B3-0.0-1.0-20251117	SOIL	Benzo(a)anthracene		120.000	J	27.1	200	ug/Kg
Q3662-02	B3-0.0-1.0-20251117	SOIL	Chrysene		120.000	J	23.4	200	ug/Kg
Q3662-02	B3-0.0-1.0-20251117	SOIL	Benzo(b)fluoranthene		170.000	J	22.4	200	ug/Kg
Q3662-02	B3-0.0-1.0-20251117	SOIL	Benzo(a)pyrene		130.000	J	34.8	200	ug/Kg
			Total Svoc :		**1,094.70**				
Q3662-02	B3-0.0-1.0-20251117	SOIL	Heneicosane	*	250.000	J	0	0	ug/Kg
Q3662-02	B3-0.0-1.0-20251117	SOIL	Hexacosyl trifluoroacetate	*	170.000	J	0	0	ug/Kg
Q3662-02	B3-0.0-1.0-20251117	SOIL	n-Hexadecanoic acid	*	390.000	J	0	0	ug/Kg
Q3662-02	B3-0.0-1.0-20251117	SOIL	Benzophenone	*	260.000	J	0	0	ug/Kg
Q3662-02	B3-0.0-1.0-20251117	SOIL	Dodecanoic acid	*	82.900	J	0	0	ug/Kg
Q3662-02	B3-0.0-1.0-20251117	SOIL	Eicosane	*	220.000	J	0	0	ug/Kg
			Total Tics :		**1,372.90**				
			Total Concentration:		**2,467.60**				
Client ID :	**B1-0.0-1.0-20251117**								
Q3662-04	B1-0.0-1.0-20251117	SOIL	Acenaphthylene		130.000	J	32.8	190	ug/Kg
Q3662-04	B1-0.0-1.0-20251117	SOIL	Phenanthrene		540.000		23.7	190	ug/Kg
Q3662-04	B1-0.0-1.0-20251117	SOIL	Anthracene		97.500	J	37.8	190	ug/Kg
Q3662-04	B1-0.0-1.0-20251117	SOIL	Fluoranthene		1,200.000		34	190	ug/Kg
Q3662-04	B1-0.0-1.0-20251117	SOIL	Pyrene		840.000		40.8	190	ug/Kg
Q3662-04	B1-0.0-1.0-20251117	SOIL	Benzo(a)anthracene		530.000		26.1	190	ug/Kg
Q3662-04	B1-0.0-1.0-20251117	SOIL	Chrysene		610.000		22.6	190	ug/Kg
Q3662-04	B1-0.0-1.0-20251117	SOIL	Benzo(b)fluoranthene		840.000		21.6	190	ug/Kg
Q3662-04	B1-0.0-1.0-20251117	SOIL	Benzo(k)fluoranthene		330.000		25.4	190	ug/Kg
Q3662-04	B1-0.0-1.0-20251117	SOIL	Benzo(a)pyrene		600.000		33.5	190	ug/Kg
Q3662-04	B1-0.0-1.0-20251117	SOIL	Indeno(1,2,3-cd)pyrene		240.000		33	190	ug/Kg
Q3662-04	B1-0.0-1.0-20251117	SOIL	Dibenzo(a,h)anthracene		77.800	J	31.1	190	ug/Kg
Q3662-04	B1-0.0-1.0-20251117	SOIL	Benzo(g,h,i)perylene		310.000		29.2	190	ug/Kg
			Total Svoc :		**6,345.30**				
Q3662-04	B1-0.0-1.0-20251117	SOIL	11H-Benzo[b]fluorene	*	150.000	J	0	0	ug/Kg
Q3662-04	B1-0.0-1.0-20251117	SOIL	3,4-Dimethylphenanthrene	*	83.900	J	0	0	ug/Kg
Q3662-04	B1-0.0-1.0-20251117	SOIL	9,10-Anthracenedione	*	120.000	J	0	0	ug/Kg
Q3662-04	B1-0.0-1.0-20251117	SOIL	9,10-Dimethylanthracene	*	210.000	J	0	0	ug/Kg
Q3662-04	B1-0.0-1.0-20251117	SOIL	Benzo[e]pyrene	*	470.000	J	0	0	ug/Kg
Q3662-04	B1-0.0-1.0-20251117	SOIL	Benzophenone	*	190.000	J	0	0	ug/Kg

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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q3662

Client: HDR, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3662-04	B1-0.0-1.0-20251117	SOIL	Phenanthrene, 2-methyl-	* 800.000	J	0	0	ug/Kg
Q3662-04	B1-0.0-1.0-20251117	SOIL	Pyrene, 1-methyl-	* 110.000	J	0	0	ug/Kg
Q3662-04	B1-0.0-1.0-20251117	SOIL	Pyrene, 4-methyl-	* 100.000	J	0	0	ug/Kg
			Total Tics :	**2,233.90**				
			Total Concentration:	**8,579.20**				

SAMPLE DATA

Raw Data: **BF144302.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/17/25
Project:	PVWC Linear Construction	Date Received:	11/18/25
Client Sample ID:	B3-0.0-1.0-20251117	SDG No.:	Q3662
Lab Sample ID:	Q3662-02	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	84.7
Sample Wt/Vol:	30.06 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/19/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	180	U	1	180	390	ug/Kg	11/20/25 18:56	PB170631
108-95-2	Phenol	26.0	U	1	26.0	200	ug/Kg	11/20/25 18:56	PB170631
111-44-4	bis(2-Chloroethyl)ether	28.6	U	1	28.6	200	ug/Kg	11/20/25 18:56	PB170631
95-57-8	2-Chlorophenol	28.8	U	1	28.8	200	ug/Kg	11/20/25 18:56	PB170631
95-48-7	2-Methylphenol	35.2	U	1	35.2	200	ug/Kg	11/20/25 18:56	PB170631
108-60-1	2,2-oxybis(1-Chloropropane)	44.2	U	1	44.2	200	ug/Kg	11/20/25 18:56	PB170631
98-86-2	Acetophenone	34.8	U	1	34.8	200	ug/Kg	11/20/25 18:56	PB170631
65794-96-9	3+4-Methylphenols	48.4	U	1	48.4	390	ug/Kg	11/20/25 18:56	PB170631
621-64-7	n-Nitroso-di-n-propylamine	55.9	U	1	55.9	94.3	ug/Kg	11/20/25 18:56	PB170631
67-72-1	Hexachloroethane	20.7	U	1	20.7	200	ug/Kg	11/20/25 18:56	PB170631
98-95-3	Nitrobenzene	21.6	U	1	21.6	200	ug/Kg	11/20/25 18:56	PB170631
78-59-1	Isophorone	38.6	U	1	38.6	200	ug/Kg	11/20/25 18:56	PB170631
88-75-5	2-Nitrophenol	68.6	U	1	68.6	200	ug/Kg	11/20/25 18:56	PB170631
105-67-9	2,4-Dimethylphenol	76.4	U	1	76.4	200	ug/Kg	11/20/25 18:56	PB170631
111-91-1	bis(2-Chloroethoxy)methane	36.3	U	1	36.3	200	ug/Kg	11/20/25 18:56	PB170631
120-83-2	2,4-Dichlorophenol	33.3	U	1	33.3	200	ug/Kg	11/20/25 18:56	PB170631
91-20-3	Naphthalene	26.7	U	1	26.7	200	ug/Kg	11/20/25 18:56	PB170631
106-47-8	4-Chloroaniline	41.7	UQ	1	41.7	200	ug/Kg	11/20/25 18:56	PB170631
87-68-3	Hexachlorobutadiene	29.8	U	1	29.8	200	ug/Kg	11/20/25 18:56	PB170631
105-60-2	Caprolactam	61.4	U	1	61.4	390	ug/Kg	11/20/25 18:56	PB170631
59-50-7	4-Chloro-3-methylphenol	33.8	U	1	33.8	200	ug/Kg	11/20/25 18:56	PB170631
91-57-6	2-Methylnaphthalene	30.2	U	1	30.2	200	ug/Kg	11/20/25 18:56	PB170631
77-47-4	Hexachlorocyclopentadiene	140	U	1	140	390	ug/Kg	11/20/25 18:56	PB170631
88-06-2	2,4,6-Trichlorophenol	23.3	U	1	23.3	200	ug/Kg	11/20/25 18:56	PB170631
95-95-4	2,4,5-Trichlorophenol	34.3	U	1	34.3	200	ug/Kg	11/20/25 18:56	PB170631
92-52-4	1,1-Biphenyl	25.7	U	1	25.7	200	ug/Kg	11/20/25 18:56	PB170631
91-58-7	2-Chloronaphthalene	26.5	U	1	26.5	200	ug/Kg	11/20/25 18:56	PB170631
88-74-4	2-Nitroaniline	56.7	U	1	56.7	200	ug/Kg	11/20/25 18:56	PB170631
131-11-3	Dimethylphthalate	31.9	U	1	31.9	200	ug/Kg	11/20/25 18:56	PB170631
208-96-8	Acenaphthylene	34.1	U	1	34.1	200	ug/Kg	11/20/25 18:56	PB170631
606-20-2	2,6-Dinitrotoluene	39.6	U	1	39.6	200	ug/Kg	11/20/25 18:56	PB170631
99-09-2	3-Nitroaniline	54.2	UQ	1	54.2	200	ug/Kg	11/20/25 18:56	PB170631
83-32-9	Acenaphthene	25.1	U	1	25.1	200	ug/Kg	11/20/25 18:56	PB170631
51-28-5	2,4-Dinitrophenol	270	U	1	270	390	ug/Kg	11/20/25 18:56	PB170631
100-02-7	4-Nitrophenol	130	U	1	130	390	ug/Kg	11/20/25 18:56	PB170631
132-64-9	Dibenzofuran	26.7	U	1	26.7	200	ug/Kg	11/20/25 18:56	PB170631
121-14-2	2,4-Dinitrotoluene	59.0	U	1	59.0	200	ug/Kg	11/20/25 18:56	PB170631
84-66-2	Diethylphthalate	33.3	U	1	33.3	200	ug/Kg	11/20/25 18:56	PB170631
7005-72-3	4-Chlorophenyl-phenylether	31.5	U	1	31.5	200	ug/Kg	11/20/25 18:56	PB170631
86-73-7	Fluorene	29.8	U	1	29.8	200	ug/Kg	11/20/25 18:56	PB170631
100-01-6	4-Nitroaniline	75.6	U	1	75.6	200	ug/Kg	11/20/25 18:56	PB170631
534-52-1	4,6-Dinitro-2-methylphenol	120	U	1	120	390	ug/Kg	11/20/25 18:56	PB170631

Raw Data: **BF144302.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/17/25
Project:	PVWC Linear Construction	Date Received:	11/18/25
Client Sample ID:	B3-0.0-1.0-20251117	SDG No.:	Q3662
Lab Sample ID:	Q3662-02	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	84.7
Sample Wt/Vol:	30.06 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/19/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	38.8	U	1	38.8	200	ug/Kg	11/20/25 18:56	PB170631
101-55-3	4-Bromophenyl-phenylether	32.8	U	1	32.8	200	ug/Kg	11/20/25 18:56	PB170631
118-74-1	Hexachlorobenzene	29.8	U	1	29.8	200	ug/Kg	11/20/25 18:56	PB170631
1912-24-9	Atrazine	40.1	U	1	40.1	200	ug/Kg	11/20/25 18:56	PB170631
87-86-5	Pentachlorophenol	60.4	U	1	60.4	390	ug/Kg	11/20/25 18:56	PB170631
85-01-8	Phenanthrene	94.7	J	1	24.6	200	ug/Kg	11/20/25 18:56	PB170631
120-12-7	Anthracene	39.2	U	1	39.2	200	ug/Kg	11/20/25 18:56	PB170631
86-74-8	Carbazole	36.8	U	1	36.8	200	ug/Kg	11/20/25 18:56	PB170631
84-74-2	Di-n-butylphthalate	56.4	U	1	56.4	200	ug/Kg	11/20/25 18:56	PB170631
206-44-0	Fluoranthene	270		1	35.3	200	ug/Kg	11/20/25 18:56	PB170631
129-00-0	Pyrene	190	J	1	42.4	200	ug/Kg	11/20/25 18:56	PB170631
85-68-7	Butylbenzylphthalate	84.1	U	1	84.1	200	ug/Kg	11/20/25 18:56	PB170631
91-94-1	3,3-Dichlorobenzidine	43.2	U	1	43.2	390	ug/Kg	11/20/25 18:56	PB170631
56-55-3	Benzo(a)anthracene	120	J	1	27.1	200	ug/Kg	11/20/25 18:56	PB170631
218-01-9	Chrysene	120	J	1	23.4	200	ug/Kg	11/20/25 18:56	PB170631
117-81-7	Bis(2-ethylhexyl)phthalate	69.8	U	1	69.8	200	ug/Kg	11/20/25 18:56	PB170631
117-84-0	Di-n-octyl phthalate	100	U	1	100	390	ug/Kg	11/20/25 18:56	PB170631
205-99-2	Benzo(b)fluoranthene	170	J	1	22.4	200	ug/Kg	11/20/25 18:56	PB170631
207-08-9	Benzo(k)fluoranthene	26.4	U	1	26.4	200	ug/Kg	11/20/25 18:56	PB170631
50-32-8	Benzo(a)pyrene	130	J	1	34.8	200	ug/Kg	11/20/25 18:56	PB170631
193-39-5	Indeno(1,2,3-cd)pyrene	34.3	U	1	34.3	200	ug/Kg	11/20/25 18:56	PB170631
53-70-3	Dibenzo(a,h)anthracene	32.3	U	1	32.3	200	ug/Kg	11/20/25 18:56	PB170631
191-24-2	Benzo(g,h,i)perylene	30.3	U	1	30.3	200	ug/Kg	11/20/25 18:56	PB170631
95-94-3	1,2,4,5-Tetrachlorobenzene	30.2	U	1	30.2	200	ug/Kg	11/20/25 18:56	PB170631
123-91-1	1,4-Dioxane	53.3	U	1	53.3	200	ug/Kg	11/20/25 18:56	PB170631
58-90-2	2,3,4,6-Tetrachlorophenol	32.3	U	1	32.3	200	ug/Kg	11/20/25 18:56	PB170631
SURROGATES									
367-12-4	2-Fluorophenol	83.8			30 (10) - 130 (105)	56%	SPK: 150		
13127-88-3	Phenol-d6	82.8			30 (10) - 130 (103)	55%	SPK: 150		
4165-60-0	Nitrobenzene-d5	59.1			30 (10) - 130 (108)	59%	SPK: 100		
321-60-8	2-Fluorobiphenyl	58.1			30 (10) - 130 (108)	58%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	79.8			30 (10) - 130 (116)	53%	SPK: 150		
1718-51-0	Terphenyl-d14	47.5			30 (10) - 130 (109)	47%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	46500							
1146-65-2	Naphthalene-d8	166000							
15067-26-2	Acenaphthene-d10	89400							
1517-22-2	Phenanthrene-d10	159000							
1719-03-5	Chrysene-d12	138000							
1520-96-3	Perylene-d12	111000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	260	J			10.6	ug/Kg		
000057-10-3	n-Hexadecanoic acid	390	J			11.9	ug/Kg		

Raw Data: **BF144302.D**

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

Report of Analysis

Client:	HDR, Inc.			Date Collected:	11/17/25
Project:	PVWC Linear Construction			Date Received:	11/18/25
Client Sample ID:	B3-0.0-1.0-20251117			SDG No.:	Q3662
Lab Sample ID:	Q3662-02			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	84.7
Sample Wt/Vol:	30.06 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	11/19/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000143-07-7	Dodecanoic acid	82.9	J			12.7	ug/Kg		
1000351-75-0	Hexacosyl trifluoroacetate	170	J			13.9	ug/Kg		
000112-95-8	Eicosane	220	J			15.1	ug/Kg		
000629-94-7	Heneicosane	250	J			16.0	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

Raw Data: **BF144296.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/17/25
Project:	PVWC Linear Construction	Date Received:	11/18/25
Client Sample ID:	B1-0.0-1.0-20251117	SDG No.:	Q3662
Lab Sample ID:	Q3662-04	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	88.1
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/19/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	180	U	1	180	370	ug/Kg	11/20/25 15:59	PB170631
108-95-2	Phenol	25.1	U	1	25.1	190	ug/Kg	11/20/25 15:59	PB170631
111-44-4	bis(2-Chloroethyl)ether	27.6	U	1	27.6	190	ug/Kg	11/20/25 15:59	PB170631
95-57-8	2-Chlorophenol	27.7	U	1	27.7	190	ug/Kg	11/20/25 15:59	PB170631
95-48-7	2-Methylphenol	33.9	U	1	33.9	190	ug/Kg	11/20/25 15:59	PB170631
108-60-1	2,2-oxybis(1-Chloropropane)	42.5	U	1	42.5	190	ug/Kg	11/20/25 15:59	PB170631
98-86-2	Acetophenone	33.5	U	1	33.5	190	ug/Kg	11/20/25 15:59	PB170631
65794-96-9	3+4-Methylphenols	46.6	U	1	46.6	370	ug/Kg	11/20/25 15:59	PB170631
621-64-7	n-Nitroso-di-n-propylamine	53.8	U	1	53.8	90.7	ug/Kg	11/20/25 15:59	PB170631
67-72-1	Hexachloroethane	20.0	U	1	20.0	190	ug/Kg	11/20/25 15:59	PB170631
98-95-3	Nitrobenzene	20.8	U	1	20.8	190	ug/Kg	11/20/25 15:59	PB170631
78-59-1	Isophorone	37.2	U	1	37.2	190	ug/Kg	11/20/25 15:59	PB170631
88-75-5	2-Nitrophenol	66.0	U	1	66.0	190	ug/Kg	11/20/25 15:59	PB170631
105-67-9	2,4-Dimethylphenol	73.5	U	1	73.5	190	ug/Kg	11/20/25 15:59	PB170631
111-91-1	bis(2-Chloroethoxy)methane	34.9	U	1	34.9	190	ug/Kg	11/20/25 15:59	PB170631
120-83-2	2,4-Dichlorophenol	32.1	U	1	32.1	190	ug/Kg	11/20/25 15:59	PB170631
91-20-3	Naphthalene	25.7	U	1	25.7	190	ug/Kg	11/20/25 15:59	PB170631
106-47-8	4-Chloroaniline	40.2	UQ	1	40.2	190	ug/Kg	11/20/25 15:59	PB170631
87-68-3	Hexachlorobutadiene	28.7	U	1	28.7	190	ug/Kg	11/20/25 15:59	PB170631
105-60-2	Caprolactam	59.1	U	1	59.1	370	ug/Kg	11/20/25 15:59	PB170631
59-50-7	4-Chloro-3-methylphenol	32.6	U	1	32.6	190	ug/Kg	11/20/25 15:59	PB170631
91-57-6	2-Methylnaphthalene	29.0	U	1	29.0	190	ug/Kg	11/20/25 15:59	PB170631
77-47-4	Hexachlorocyclopentadiene	130	U	1	130	370	ug/Kg	11/20/25 15:59	PB170631
88-06-2	2,4,6-Trichlorophenol	22.5	U	1	22.5	190	ug/Kg	11/20/25 15:59	PB170631
95-95-4	2,4,5-Trichlorophenol	33.0	U	1	33.0	190	ug/Kg	11/20/25 15:59	PB170631
92-52-4	1,1-Biphenyl	24.7	U	1	24.7	190	ug/Kg	11/20/25 15:59	PB170631
91-58-7	2-Chloronaphthalene	25.5	U	1	25.5	190	ug/Kg	11/20/25 15:59	PB170631
88-74-4	2-Nitroaniline	54.6	U	1	54.6	190	ug/Kg	11/20/25 15:59	PB170631
131-11-3	Dimethylphthalate	30.7	U	1	30.7	190	ug/Kg	11/20/25 15:59	PB170631
208-96-8	Acenaphthylene	130	J	1	32.8	190	ug/Kg	11/20/25 15:59	PB170631
606-20-2	2,6-Dinitrotoluene	38.1	U	1	38.1	190	ug/Kg	11/20/25 15:59	PB170631
99-09-2	3-Nitroaniline	52.2	UQ	1	52.2	190	ug/Kg	11/20/25 15:59	PB170631
83-32-9	Acenaphthene	24.2	U	1	24.2	190	ug/Kg	11/20/25 15:59	PB170631
51-28-5	2,4-Dinitrophenol	260	U	1	260	370	ug/Kg	11/20/25 15:59	PB170631
100-02-7	4-Nitrophenol	120	U	1	120	370	ug/Kg	11/20/25 15:59	PB170631
132-64-9	Dibenzofuran	25.7	U	1	25.7	190	ug/Kg	11/20/25 15:59	PB170631
121-14-2	2,4-Dinitrotoluene	56.8	U	1	56.8	190	ug/Kg	11/20/25 15:59	PB170631
84-66-2	Diethylphthalate	32.1	U	1	32.1	190	ug/Kg	11/20/25 15:59	PB170631
7005-72-3	4-Chlorophenyl-phenylether	30.3	U	1	30.3	190	ug/Kg	11/20/25 15:59	PB170631
86-73-7	Fluorene	28.7	U	1	28.7	190	ug/Kg	11/20/25 15:59	PB170631
100-01-6	4-Nitroaniline	72.8	U	1	72.8	190	ug/Kg	11/20/25 15:59	PB170631
534-52-1	4,6-Dinitro-2-methylphenol	120	U	1	120	370	ug/Kg	11/20/25 15:59	PB170631

Raw Data: **BF144296.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/17/25
Project:	PVWC Linear Construction	Date Received:	11/18/25
Client Sample ID:	B1-0.0-1.0-20251117	SDG No.:	Q3662
Lab Sample ID:	Q3662-04	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	88.1
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/19/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	37.3	U	1	37.3	190	ug/Kg	11/20/25 15:59	PB170631
101-55-3	4-Bromophenyl-phenylether	31.5	U	1	31.5	190	ug/Kg	11/20/25 15:59	PB170631
118-74-1	Hexachlorobenzene	28.7	U	1	28.7	190	ug/Kg	11/20/25 15:59	PB170631
1912-24-9	Atrazine	38.6	U	1	38.6	190	ug/Kg	11/20/25 15:59	PB170631
87-86-5	Pentachlorophenol	58.2	U	1	58.2	370	ug/Kg	11/20/25 15:59	PB170631
85-01-8	Phenanthrene	540		1	23.7	190	ug/Kg	11/20/25 15:59	PB170631
120-12-7	Anthracene	97.5	J	1	37.8	190	ug/Kg	11/20/25 15:59	PB170631
86-74-8	Carbazole	35.4	U	1	35.4	190	ug/Kg	11/20/25 15:59	PB170631
84-74-2	Di-n-butylphthalate	54.3	U	1	54.3	190	ug/Kg	11/20/25 15:59	PB170631
206-44-0	Fluoranthene	1200		1	34.0	190	ug/Kg	11/20/25 15:59	PB170631
129-00-0	Pyrene	840		1	40.8	190	ug/Kg	11/20/25 15:59	PB170631
85-68-7	Butylbenzylphthalate	81.0	U	1	81.0	190	ug/Kg	11/20/25 15:59	PB170631
91-94-1	3,3-Dichlorobenzidine	41.6	U	1	41.6	370	ug/Kg	11/20/25 15:59	PB170631
56-55-3	Benzo(a)anthracene	530		1	26.1	190	ug/Kg	11/20/25 15:59	PB170631
218-01-9	Chrysene	610		1	22.6	190	ug/Kg	11/20/25 15:59	PB170631
117-81-7	Bis(2-ethylhexyl)phthalate	67.2	U	1	67.2	190	ug/Kg	11/20/25 15:59	PB170631
117-84-0	Di-n-octyl phthalate	98.5	U	1	98.5	370	ug/Kg	11/20/25 15:59	PB170631
205-99-2	Benzo(b)fluoranthene	840		1	21.6	190	ug/Kg	11/20/25 15:59	PB170631
207-08-9	Benzo(k)fluoranthene	330		1	25.4	190	ug/Kg	11/20/25 15:59	PB170631
50-32-8	Benzo(a)pyrene	600		1	33.5	190	ug/Kg	11/20/25 15:59	PB170631
193-39-5	Indeno(1,2,3-cd)pyrene	240		1	33.0	190	ug/Kg	11/20/25 15:59	PB170631
53-70-3	Dibenzo(a,h)anthracene	77.8	J	1	31.1	190	ug/Kg	11/20/25 15:59	PB170631
191-24-2	Benzo(g,h,i)perylene	310		1	29.2	190	ug/Kg	11/20/25 15:59	PB170631
95-94-3	1,2,4,5-Tetrachlorobenzene	29.0	U	1	29.0	190	ug/Kg	11/20/25 15:59	PB170631
123-91-1	1,4-Dioxane	51.3	U	1	51.3	190	ug/Kg	11/20/25 15:59	PB170631
58-90-2	2,3,4,6-Tetrachlorophenol	31.1	U	1	31.1	190	ug/Kg	11/20/25 15:59	PB170631
SURROGATES									
367-12-4	2-Fluorophenol	52.5			30 (10) - 130 (105)	35%	SPK: 150		
13127-88-3	Phenol-d6	49.9			30 (10) - 130 (103)	33%	SPK: 150		
4165-60-0	Nitrobenzene-d5	36.4			30 (10) - 130 (108)	36%	SPK: 100		
321-60-8	2-Fluorobiphenyl	34.3			30 (10) - 130 (108)	34%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	49.0			30 (10) - 130 (116)	33%	SPK: 150		
1718-51-0	Terphenyl-d14	27.3	*		30 (10) - 130 (109)	27%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	39300							
1146-65-2	Naphthalene-d8	132000							
15067-26-2	Acenaphthene-d10	67200							
1517-22-2	Phenanthrene-d10	132000							
1719-03-5	Chrysene-d12	128000							
1520-96-3	Perylene-d12	98400							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	190	J			10.6	ug/Kg		
002531-84-2	Phenanthrene, 2-methyl-	800	J			11.9	ug/Kg		

Raw Data: **BF144296.D**

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Fax : 908 789 8922

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/17/25
Project:	PVWC Linear Construction	Date Received:	11/18/25
Client Sample ID:	B1-0.0-1.0-20251117	SDG No.:	Q3662
Lab Sample ID:	Q3662-04	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	88.1
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/19/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000084-65-1	9,10-Anthracenedione	120	J			12.2	ug/Kg		
1000452-24-5	3,4-Dimethylphenanthrene	83.9	J			12.3	ug/Kg		
000781-43-1	9,10-Dimethylanthracene	210	J			12.4	ug/Kg		
002381-21-7	Pyrene, 1-methyl-	110	J			13.1	ug/Kg		
000243-17-4	11H-Benzo[b]fluorene	150	J			13.2	ug/Kg		
003353-12-6	Pyrene, 4-methyl-	100	J			13.3	ug/Kg		
000192-97-2	Benzo[e]pyrene	470	J			15.4	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,
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Surrogate Summary

SW-846

SDG No.: Q3662

Client: HDR, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB170631BL	PB170631BL	2-Fluorophenol	150	116	78		30 (10)	130 (105)
		Phenol-d6	150	117	78		30 (10)	130 (103)
		Nitrobenzene-d5	100	80.1	80		30 (10)	130 (108)
		2-Fluorobiphenyl	100	76.8	77		30 (10)	130 (108)
		2,4,6-Tribromophenol	150	121	81		30 (10)	130 (116)
		Terphenyl-d14	100	83.3	83		30 (10)	130 (109)
PB170631BS	PB170631BS	2-Fluorophenol	150	113	76		30 (10)	130 (105)
		Phenol-d6	150	116	77		30 (10)	130 (103)
		Nitrobenzene-d5	100	79.0	79		30 (10)	130 (108)
		2-Fluorobiphenyl	100	75.9	76		30 (10)	130 (108)
		2,4,6-Tribromophenol	150	117	78		30 (10)	130 (116)
		Terphenyl-d14	100	84.1	84		30 (10)	130 (109)
Q3662-02	B3-0.0-1.0-20251117	2-Fluorophenol	150	83.8	56		30 (10)	130 (105)
		Phenol-d6	150	82.8	55		30 (10)	130 (103)
		Nitrobenzene-d5	100	59.1	59		30 (10)	130 (108)
		2-Fluorobiphenyl	100	58.1	58		30 (10)	130 (108)
		2,4,6-Tribromophenol	150	79.8	53		30 (10)	130 (116)
		Terphenyl-d14	100	47.5	47		30 (10)	130 (109)
Q3662-02MS	B3-0.0-1.0-20251117MS	2-Fluorophenol	150	70.7	47		30 (10)	130 (105)
		Phenol-d6	150	70.1	47		30 (10)	130 (103)
		Nitrobenzene-d5	100	48.9	49		30 (10)	130 (108)
		2-Fluorobiphenyl	100	50.4	50		30 (10)	130 (108)
		2,4,6-Tribromophenol	150	65.4	44		30 (10)	130 (116)
		Terphenyl-d14	100	42.1	42		30 (10)	130 (109)
Q3662-02MSD	B3-0.0-1.0-20251117MSD	2-Fluorophenol	150	76.7	51		30 (10)	130 (105)
		Phenol-d6	150	74.5	50		30 (10)	130 (103)
		Nitrobenzene-d5	100	52.5	52		30 (10)	130 (108)
		2-Fluorobiphenyl	100	52.9	53		30 (10)	130 (108)
		2,4,6-Tribromophenol	150	70.7	47		30 (10)	130 (116)
		Terphenyl-d14	100	45.1	45		30 (10)	130 (109)
Q3662-04	B1-0.0-1.0-20251117	2-Fluorophenol	150	52.5	35		30 (10)	130 (105)
		Phenol-d6	150	49.9	33		30 (10)	130 (103)
		Nitrobenzene-d5	100	36.4	36		30 (10)	130 (108)
		2-Fluorobiphenyl	100	34.3	34		30 (10)	130 (108)
		2,4,6-Tribromophenol	150	49.0	33		30 (10)	130 (116)
		Terphenyl-d14	100	27.3	27	*	30 (10)	130 (109)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3662 **Analytical Method:** SW8270E

Client: HDR, Inc. **DataFile:** BF144303.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3662-02MS		**Client Sample ID: B3-0.0-1.0-20251117MS**									
Benzaldehyde	2000	0	1500	ug/Kg	75				20 (20)	160 (111)	
Phenol	2000	0	1700	ug/Kg	85				20 (51)	160 (122)	
bis(2-Chloroethyl)ether	2000	0	1800	ug/Kg	90				70 (67)	130 (110)	
2-Chlorophenol	2000	0	1800	ug/Kg	90				70 (67)	130 (119)	
2-Methylphenol	2000	0	1800	ug/Kg	90				70 (68)	130 (116)	
2,2-oxybis(1-Chloropropane)	2000	0	1800	ug/Kg	90				70 (59)	130 (113)	
Acetophenone	2000	0	1900	ug/Kg	95				70 (55)	130 (128)	
3+4-Methylphenols	2000	0	1800	ug/Kg	90				20 (70)	160 (111)	
N-Nitroso-di-n-propylamine	2000	0	1800	ug/Kg	90				70 (59)	130 (119)	
Hexachloroethane	2000	0	1700	ug/Kg	85				20 (65)	160 (115)	
Nitrobenzene	2000	0	1800	ug/Kg	90				70 (66)	130 (120)	
Isophorone	2000	0	1800	ug/Kg	90				70 (67)	130 (113)	
2-Nitrophenol	2000	0	1500	ug/Kg	75				70 (69)	130 (135)	
2,4-Dimethylphenol	2000	0	2000	ug/Kg	100				70 (63)	130 (151)	
bis(2-Chloroethoxy)methane	2000	0	1800	ug/Kg	90				70 (70)	130 (112)	
2,4-Dichlorophenol	2000	0	1700	ug/Kg	85				70 (70)	130 (121)	
Naphthalene	2000	0	1800	ug/Kg	90				70 (66)	130 (113)	
4-Chloroaniline	2000	0	450	ug/Kg	23	*			70 (10)	130 (100)	
Hexachlorobutadiene	2000	0	1700	ug/Kg	85				70 (67)	130 (118)	
Caprolactam	2000	0	1800	ug/Kg	90				20 (51)	160 (134)	
4-Chloro-3-methylphenol	2000	0	1600	ug/Kg	80				70 (71)	130 (118)	
2-Methylnaphthalene	2000	0	1600	ug/Kg	80				70 (59)	130 (123)	
Hexachlorocyclopentadiene	3900	0	1200	ug/Kg	31				20 (16)	160 (175)	
2,4,6-Trichlorophenol	2000	0	1700	ug/Kg	85				70 (67)	130 (128)	
2,4,5-Trichlorophenol	2000	0	1700	ug/Kg	85				70 (69)	130 (123)	
1,1-Biphenyl	2000	0	1900	ug/Kg	95				70 (69)	130 (126)	
2-Chloronaphthalene	2000	0	1800	ug/Kg	90				70 (71)	130 (113)	
2-Nitroaniline	2000	0	1900	ug/Kg	95				70 (73)	130 (125)	
Dimethylphthalate	2000	0	1900	ug/Kg	95				70 (72)	130 (116)	
Acenaphthylene	2000	0	2000	ug/Kg	100				70 (69)	130 (128)	
2,6-Dinitrotoluene	2000	0	1900	ug/Kg	95				70 (67)	130 (141)	
3-Nitroaniline	2000	0	1300	ug/Kg	65	*			70 (28)	130 (102)	
Acenaphthene	2000	0	1600	ug/Kg	80				70 (70)	130 (121)	
2,4-Dinitrophenol	3900	0	280	ug/Kg	7	*			20 (10)	160 (164)	
4-Nitrophenol	3900	0	3600	ug/Kg	92				20 (49)	160 (133)	
Dibenzofuran	2000	0	1800	ug/Kg	90				70 (71)	130 (111)	
2,4-Dinitrotoluene	2000	0	1800	ug/Kg	90				70 (73)	130 (130)	
Diethylphthalate	2000	0	1900	ug/Kg	95				70 (73)	130 (116)	
4-Chlorophenyl-phenylether	2000	0	1700	ug/Kg	85				70 (72)	130 (112)	
Fluorene	2000	0	1800	ug/Kg	90				70 (67)	130 (114)	
4-Nitroaniline	2000	0	1900	ug/Kg	95				70 (61)	130 (128)	
4,6-Dinitro-2-methylphenol	2000	0	220	ug/Kg	11	*			70 (25)	130 (163)	
N-Nitrosodiphenylamine	2000	0	1800	ug/Kg	90				70 (73)	130 (118)	
4-Bromophenyl-phenylether	2000	0	1700	ug/Kg	85				70 (65)	130 (121)	
Hexachlorobenzene	2000	0	1700	ug/Kg	85				70 (67)	130 (118)	
Atrazine	2000	0	1900	ug/Kg	95				70 (79)	130 (127)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3662 **Analytical Method:** SW8270E

Client: HDR, Inc. **DataFile:** BF144303.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	3900	0	3300	ug/Kg	85				20 (39)	160 (145)	
Phenanthrene	2000	94.7	1900	ug/Kg	90				70 (52)	130 (128)	
Anthracene	2000	0	1800	ug/Kg	90				70 (62)	130 (124)	
Carbazole	2000	0	2000	ug/Kg	100				70 (73)	130 (115)	
Di-n-butylphthalate	2000	0	1900	ug/Kg	95				70 (72)	130 (129)	
Fluoranthene	2000	270	2300	ug/Kg	102				70 (31)	130 (152)	
Pyrene	2000	190	1800	ug/Kg	81				70 (37)	130 (122)	
Butylbenzylphthalate	2000	0	1900	ug/Kg	95				70 (59)	130 (151)	
3,3-Dichlorobenzidine	2000	0	1300	ug/Kg	65	*			70 (10)	130 (116)	
Benzo(a)anthracene	2000	120	1900	ug/Kg	89				70 (53)	130 (119)	
Chrysene	2000	120	1900	ug/Kg	89				70 (57)	130 (121)	
bis(2-Ethylhexyl)phthalate	2000	0	2000	ug/Kg	100				70 (64)	130 (139)	
Di-n-octyl phthalate	2000	0	1900	ug/Kg	95				70 (51)	130 (156)	
Benzo(b)fluoranthene	2000	170	2300	ug/Kg	107				70 (52)	130 (117)	
Benzo(k)fluoranthene	2000	0	2100	ug/Kg	105				70 (57)	130 (134)	
Benzo(a)pyrene	2000	130	2000	ug/Kg	94				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	2000	0	1500	ug/Kg	75				70 (48)	130 (129)	
Dibenz(a,h)anthracene	2000	0	1500	ug/Kg	75				70 (43)	130 (123)	
Benzo(g,h,i)perylene	2000	0	1500	ug/Kg	75				70 (40)	130 (133)	
1,2,4,5-Tetrachlorobenzene	2000	0	1800	ug/Kg	90				70 (65)	130 (132)	
1,4-Dioxane	2000	0	2000	ug/Kg	100				20 (46)	160 (112)	
2,3,4,6-Tetrachlorophenol	2000	0	1900	ug/Kg	95				70 (56)	130 (141)	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3662 **Analytical Method:** SW8270E

Client: HDR, Inc. **DataFile:** BF144304.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID: Q3662-02MSD		**Client Sample ID: B3-0.0-1.0-20251117MSD**									
Benzaldehyde	2000	0	1700	ug/Kg	85		13		20 (20)	160 (111)	30 (20)
Phenol	2000	0	1800	ug/Kg	90		6		20 (51)	160 (122)	30 (20)
bis(2-Chloroethyl)ether	2000	0	2000	ug/Kg	100		11		70 (67)	130 (110)	30 (20)
2-Chlorophenol	2000	0	1900	ug/Kg	95		5		70 (67)	130 (119)	30 (20)
2-Methylphenol	2000	0	1900	ug/Kg	95		5		70 (68)	130 (116)	30 (20)
2,2-oxybis(1-Chloropropane)	2000	0	1900	ug/Kg	95		5		70 (59)	130 (113)	30 (20)
Acetophenone	2000	0	2000	ug/Kg	100		5		70 (55)	130 (128)	30 (20)
3+4-Methylphenols	2000	0	1800	ug/Kg	90		0		20 (70)	160 (111)	30 (20)
N-Nitroso-di-n-propylamine	2000	0	1900	ug/Kg	95		5		70 (59)	130 (119)	30 (20)
Hexachloroethane	2000	0	1800	ug/Kg	90		6		20 (65)	160 (115)	30 (20)
Nitrobenzene	2000	0	2000	ug/Kg	100		11		70 (66)	130 (120)	30 (20)
Isophorone	2000	0	2000	ug/Kg	100		11		70 (67)	130 (113)	30 (20)
2-Nitrophenol	2000	0	1700	ug/Kg	85		13		70 (69)	130 (135)	30 (16)
2,4-Dimethylphenol	2000	0	2100	ug/Kg	105		5		70 (63)	130 (151)	30 (20)
bis(2-Chloroethoxy)methane	2000	0	2000	ug/Kg	100		11		70 (70)	130 (112)	30 (20)
2,4-Dichlorophenol	2000	0	1800	ug/Kg	90		6		70 (70)	130 (121)	30 (20)
Naphthalene	2000	0	1900	ug/Kg	95		5		70 (66)	130 (113)	30 (20)
4-Chloroaniline	2000	0	500	ug/Kg	25	*	8		70 (10)	130 (100)	30 (25)
Hexachlorobutadiene	2000	0	1800	ug/Kg	90		6		70 (67)	130 (118)	30 (16)
Caprolactam	2000	0	1900	ug/Kg	95		5		20 (51)	160 (134)	30 (25)
4-Chloro-3-methylphenol	2000	0	1700	ug/Kg	85		6		70 (71)	130 (118)	30 (20)
2-Methylnaphthalene	2000	0	1700	ug/Kg	85		6		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	3900	0	1300	ug/Kg	33		6		20 (16)	160 (175)	30 (20)
2,4,6-Trichlorophenol	2000	0	1900	ug/Kg	95		11		70 (67)	130 (128)	30 (16)
2,4,5-Trichlorophenol	2000	0	1800	ug/Kg	90		6		70 (69)	130 (123)	30 (16)
1,1-Biphenyl	2000	0	2000	ug/Kg	100		5		70 (69)	130 (126)	30 (20)
2-Chloronaphthalene	2000	0	1900	ug/Kg	95		5		70 (71)	130 (113)	30 (20)
2-Nitroaniline	2000	0	2100	ug/Kg	105		10		70 (73)	130 (125)	30 (16)
Dimethylphthalate	2000	0	2000	ug/Kg	100		5		70 (72)	130 (116)	30 (20)
Acenaphthylene	2000	0	2100	ug/Kg	105		5		70 (69)	130 (128)	30 (15)
2,6-Dinitrotoluene	2000	0	2000	ug/Kg	100		5		70 (67)	130 (141)	30 (20)
3-Nitroaniline	2000	0	1400	ug/Kg	70		7		70 (28)	130 (102)	30 (20)
Acenaphthene	2000	0	1700	ug/Kg	85		6		70 (70)	130 (121)	30 (16)
2,4-Dinitrophenol	3900	0	0	ug/Kg	0	*	200	*	20 (10)	160 (164)	30 (30)
4-Nitrophenol	3900	0	3800	ug/Kg	97		5		20 (49)	160 (133)	30 (20)
Dibenzofuran	2000	0	1900	ug/Kg	95		5		70 (71)	130 (111)	30 (20)
2,4-Dinitrotoluene	2000	0	1900	ug/Kg	95		5		70 (73)	130 (130)	30 (20)
Diethylphthalate	2000	0	2000	ug/Kg	100		5		70 (73)	130 (116)	30 (20)
4-Chlorophenyl-phenylether	2000	0	1800	ug/Kg	90		6		70 (72)	130 (112)	30 (20)
Fluorene	2000	0	1900	ug/Kg	95		5		70 (67)	130 (114)	30 (20)
4-Nitroaniline	2000	0	2000	ug/Kg	100		5		70 (61)	130 (128)	30 (20)
4,6-Dinitro-2-methylphenol	2000	0	210	ug/Kg	11	*	0		70 (25)	130 (163)	30 (30)
N-Nitrosodiphenylamine	2000	0	1900	ug/Kg	95		5		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	2000	0	1700	ug/Kg	85		0		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	2000	0	1800	ug/Kg	90		6		70 (67)	130 (118)	30 (20)
Atrazine	2000	0	1900	ug/Kg	95		0		70 (79)	130 (127)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3662 **Analytical Method:** SW8270E

Client: HDR, Inc. **DataFile:** BF144304.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	3900	0	3400	ug/Kg	87		2		20 (39)	160 (145)	30 (20)
Phenanthrene	2000	94.7	2000	ug/Kg	95		5		70 (52)	130 (128)	30 (20)
Anthracene	2000	0	1900	ug/Kg	95		5		70 (62)	130 (124)	30 (20)
Carbazole	2000	0	2100	ug/Kg	105		5		70 (73)	130 (115)	30 (20)
Di-n-butylphthalate	2000	0	2000	ug/Kg	100		5		70 (72)	130 (129)	30 (20)
Fluoranthene	2000	270	2400	ug/Kg	107		5		70 (31)	130 (152)	30 (20)
Pyrene	2000	190	1900	ug/Kg	86		6		70 (37)	130 (122)	30 (27)
Butylbenzylphthalate	2000	0	2100	ug/Kg	105		10		70 (59)	130 (151)	30 (20)
3,3-Dichlorobenzidine	2000	0	1400	ug/Kg	70		7		70 (10)	130 (116)	30 (20)
Benzo(a)anthracene	2000	120	2100	ug/Kg	99		11		70 (53)	130 (119)	30 (20)
Chrysene	2000	120	2000	ug/Kg	94		5		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	2000	0	2100	ug/Kg	105		5		70 (64)	130 (139)	30 (20)
Di-n-octyl phthalate	2000	0	2000	ug/Kg	100		5		70 (51)	130 (156)	30 (20)
Benzo(b)fluoranthene	2000	170	2400	ug/Kg	112		5		70 (52)	130 (117)	30 (20)
Benzo(k)fluoranthene	2000	0	2200	ug/Kg	110		5		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	2000	130	2100	ug/Kg	99		5		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	2000	0	1600	ug/Kg	80		6		70 (48)	130 (129)	30 (20)
Dibenz(a,h)anthracene	2000	0	1600	ug/Kg	80		6		70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	2000	0	1600	ug/Kg	80		6		70 (40)	130 (133)	30 (20)
1,2,4,5-Tetrachlorobenzene	2000	0	1900	ug/Kg	95		5		70 (65)	130 (132)	30 (20)
1,4-Dioxane	2000	0	2100	ug/Kg	105		5		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	2000	0	2000	ug/Kg	100		5		70 (56)	130 (141)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3662 **Analytical Method:** 8270E

Client: HDR, Inc. **DataFile:** BF144292.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB170631BS	Benzaldehyde	1700	830	ug/Kg	49				20 (10)	160 (133)	
	Phenol	1700	1400	ug/Kg	82				20 (62)	160 (112)	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				70 (60)	130 (101)	
	2-Chlorophenol	1700	1400	ug/Kg	82				70 (65)	130 (112)	
	2-Methylphenol	1700	1500	ug/Kg	88				70 (74)	130 (105)	
	2,2-oxybis(1-Chloropropane)	1700	1500	ug/Kg	88				70 (51)	130 (100)	
	Acetophenone	1700	1500	ug/Kg	88				70 (66)	130 (98)	
	3+4-Methylphenols	1700	1400	ug/Kg	82				20 (58)	160 (111)	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				70 (63)	130 (95)	
	Hexachloroethane	1700	1400	ug/Kg	82				20 (72)	160 (108)	
	Nitrobenzene	1700	1400	ug/Kg	82				70 (75)	130 (100)	
	Isophorone	1700	1500	ug/Kg	88				70 (59)	130 (99)	
	2-Nitrophenol	1700	1400	ug/Kg	82				70 (75)	130 (113)	
	2,4-Dimethylphenol	1700	1600	ug/Kg	94				70 (61)	130 (130)	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				70 (66)	130 (97)	
	2,4-Dichlorophenol	1700	1400	ug/Kg	82				70 (62)	130 (107)	
	Naphthalene	1700	1400	ug/Kg	82				70 (62)	130 (100)	
	4-Chloroaniline	1700	880	ug/Kg	52		*		70 (16)	130 (100)	
	Hexachlorobutadiene	1700	1300	ug/Kg	76				70 (68)	130 (108)	
	Caprolactam	1700	1600	ug/Kg	94				20 (67)	160 (110)	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				70 (74)	130 (106)	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				70 (60)	130 (104)	
	Hexachlorocyclopentadiene	3300	2500	ug/Kg	76				20 (45)	160 (165)	
	2,4,6-Trichlorophenol	1700	1400	ug/Kg	82				70 (59)	130 (102)	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				70 (74)	130 (110)	
	1,1-Biphenyl	1700	1500	ug/Kg	88				70 (71)	130 (110)	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				70 (70)	130 (103)	
	2-Nitroaniline	1700	1500	ug/Kg	88				70 (66)	130 (101)	
	Dimethylphthalate	1700	1500	ug/Kg	88				70 (76)	130 (101)	
	Acenaphthylene	1700	1500	ug/Kg	88				70 (76)	130 (111)	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				70 (78)	130 (116)	
	3-Nitroaniline	1700	1100	ug/Kg	65		*		70 (28)	130 (100)	
	Acenaphthene	1700	1300	ug/Kg	76				70 (73)	130 (105)	
	2,4-Dinitrophenol	3300	3000	ug/Kg	91				20 (59)	160 (137)	
	4-Nitrophenol	3300	2700	ug/Kg	82				20 (60)	160 (124)	
	Dibenzofuran	1700	1400	ug/Kg	82				70 (63)	130 (99)	
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				70 (78)	130 (115)	
	Diethylphthalate	1700	1500	ug/Kg	88				70 (76)	130 (104)	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				70 (73)	130 (101)	
	Fluorene	1700	1400	ug/Kg	82				70 (75)	130 (99)	
	4-Nitroaniline	1700	1400	ug/Kg	82				70 (64)	130 (103)	
	4,6-Dinitro-2-methylphenol	1700	1500	ug/Kg	88				70 (76)	130 (113)	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				70 (71)	130 (99)	
	4-Bromophenyl-phenylether	1700	1400	ug/Kg	82				70 (66)	130 (102)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3662 **Analytical Method:** 8270E

Client: HDR, Inc. **DataFile:** BF144292.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170631BS	Hexachlorobenzene	1700	1400	ug/Kg	82				70 (64)	130 (98)	
	Atrazine	1700	1600	ug/Kg	94				70 (71)	130 (122)	
	Pentachlorophenol	3300	3000	ug/Kg	91				20 (56)	160 (129)	
	Phenanthrene	1700	1400	ug/Kg	82				70 (75)	130 (100)	
	Anthracene	1700	1400	ug/Kg	82				70 (75)	130 (103)	
	Carbazole	1700	1400	ug/Kg	82				70 (76)	130 (103)	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				70 (76)	130 (110)	
	Fluoranthene	1700	1400	ug/Kg	82				70 (73)	130 (105)	
	Pyrene	1700	1500	ug/Kg	88				70 (59)	130 (103)	
	Butylbenzylphthalate	1700	1600	ug/Kg	94				70 (75)	130 (120)	
	3,3-Dichlorobenzidine	1700	1200	ug/Kg	71				70 (31)	130 (94)	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				70 (75)	130 (104)	
	Chrysene	1700	1500	ug/Kg	88				70 (75)	130 (103)	
	bis(2-Ethylhexyl)phthalate	1700	1500	ug/Kg	88				70 (77)	130 (113)	
	Di-n-octyl phthalate	1700	1500	ug/Kg	88				70 (76)	130 (110)	
	Benzo(b)fluoranthene	1700	1700	ug/Kg	100				70 (62)	130 (109)	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				70 (75)	130 (108)	
	Benzo(a)pyrene	1700	1700	ug/Kg	100				70 (79)	130 (109)	
	Indeno(1,2,3-cd)pyrene	1700	1300	ug/Kg	76				70 (63)	130 (101)	
	Dibenz(a,h)anthracene	1700	1400	ug/Kg	82				70 (61)	130 (112)	
	Benzo(g,h,i)perylene	1700	1300	ug/Kg	76				70 (70)	130 (108)	
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				70 (53)	130 (101)	
	1,4-Dioxane	1700	1300	ug/Kg	76				20 (50)	160 (96)	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				70 (71)	130 (118)	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB170631BL

Lab Name: Alliance | Contract: HDRI08

Lab Code: ACE | SDG NO.: Q3662

Lab File ID: BF144291.D | Lab Sample ID: PB170631BL

Instrument ID: BNA_F | Date Extracted: 11/19/2025

Matrix: (soil/water) SOIL | Date Analyzed: 11/20/2025

Level: (low/med) LOW | Time Analyzed: 13:25

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170631BS	PB170631BS	BF144292.D	11/20/2025
B1-0.0-1.0-20251117	Q3662-04	BF144296.D	11/20/2025
B3-0.0-1.0-20251117	Q3662-02	BF144302.D	11/20/2025
B3-0.0-1.0-20251117MS	Q3662-02MS	BF144303.D	11/20/2025
B3-0.0-1.0-20251117MSD	Q3662-02MSD	BF144304.D	11/20/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG NO.: Q3662

Lab File ID: BF144168.D DFTPP Injection Date: 11/05/2025

Instrument ID: BNA_F DFTPP Injection Time: 12:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.8) 1
69	Mass 69 relative abundance	24.5
70	Less than 2.0% of mass 69	0.1 (0.6) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.2
365	Greater than 1% of mass 198	2.6
441	Present, but less than mass 443	15.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.3 (19.3) 2

1-Value is % mass 69

2-Value is % mass 442

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
SSTDICC2.5	SSTDICC2.5	BF144169.D	11/05/2025	12:50
SSTDICC005	SSTDICC005	BF144170.D	11/05/2025	13:20
SSTDICC010	SSTDICC010	BF144171.D	11/05/2025	13:50
SSTDICC020	SSTDICC020	BF144172.D	11/05/2025	14:20
SSTDICCC040	SSTDICCC040	BF144173.D	11/05/2025	14:50
SSTDICC050	SSTDICC050	BF144174.D	11/05/2025	15:49
SSTDICC060	SSTDICC060	BF144175.D	11/05/2025	16:19
SSTDICC080	SSTDICC080	BF144176.D	11/05/2025	16:49

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG NO.: Q3662

Lab File ID: BF144289.D DFTPP Injection Date: 11/20/2025

Instrument ID: BNA_F DFTPP Injection Time: 12:03

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.8) 1
69	Mass 69 relative abundance	21.5
70	Less than 2.0% of mass 69	0.0 (0.0) 1
197	Less than 2.0% of mass 198	0.1
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	4.8
365	Greater than 1% of mass 198	2.6
441	Present, but less than mass 443	15.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.2 (18.2) 2

1-Value is % mass 69

2-Value is % mass 442

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
SSTDCCC040	SSTDCCC040	BF144290.D	11/20/2025	12:32
PB170631BL	PB170631BL	BF144291.D	11/20/2025	13:25
PB170631BS	PB170631BS	BF144292.D	11/20/2025	13:54
B1-0.0-1.0-20251117	Q3662-04	BF144296.D	11/20/2025	15:59
B3-0.0-1.0-20251117	Q3662-02	BF144302.D	11/20/2025	18:56
B3-0.0-1.0-20251117MS	Q3662-02MS	BF144303.D	11/20/2025	19:26
B3-0.0-1.0-20251117MSD	Q3662-02MSD	BF144304.D	11/20/2025	19:56

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3662

Client ID : SSTDCCC040 Date Analyzed: 11/20/2025

Lab File ID: BF144290.D Time Analyzed: 12:32

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	59614	6.863	228905	8.15	123999	9.90
	UPPER LIMIT	119228	7.363	457810	8.645	247998	10.404
	LOWER LIMIT	29807	6.363	114453	7.645	61999.5	9.404
	EPA SAMPLE NO.						
01	PB170631BL	60075	6.86	236262	8.15	137092	9.90
02	PB170631BS	64956	6.86	256491	8.15	147675	9.90
03	B1-0.0-1.0-20251117	39264	6.86	131569	8.15	67150	9.90
04	B3-0.0-1.0-20251117	46510	6.86	165994	8.15	89354	9.90
05	B3-0.0-1.0-20251117MS	47796	6.86	175247	8.15	88326	9.90
06	B3-0.0-1.0-20251117MSD	44073	6.86	159722	8.15	80476	9.90

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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 UPPER LIMIT = -0.50 minutes of internal standard RT

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3662

Client ID: SSTDCCC040 Date Analyzed: 11/20/2025

Lab File ID: BF144290.D Time Analyzed: 12:32

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	202115	11.392	134253	14.045	171650	15.521
	UPPER LIMIT	404230	11.892	268506	14.545	343300	16.021
	LOWER LIMIT	101058	10.892	67126.5	13.545	85825	15.021
	EPA SAMPLE NO.						
01	PB170631BL	248386	11.39	149201	14.04	167632	15.52
02	PB170631BS	246268	11.39	145057	14.05	168439	15.52
03	B1-0.0-1.0-20251117	132298	11.39	127839	14.04	98400	15.52
04	B3-0.0-1.0-20251117	158933	11.39	137554	14.04	110506	15.52
05	B3-0.0-1.0-20251117MS	153411	11.39	129309	14.05	103273	15.52
06	B3-0.0-1.0-20251117MSD	143551	11.39	118518	14.05	95287	15.52

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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 UPPER 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

Raw Data: **BF144291.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	HDR, Inc.	Date Collected:	
Project:	PVWC Linear Construction	Date Received:	
Client Sample ID:	PB170631BL	SDG No.:	Q3662
Lab Sample ID:	PB170631BL	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	100
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/19/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	160	U	1	160	330	ug/Kg	11/20/25 13:25	PB170631
108-95-2	Phenol	22.1	U	1	22.1	170	ug/Kg	11/20/25 13:25	PB170631
111-44-4	bis(2-Chloroethyl)ether	24.3	U	1	24.3	170	ug/Kg	11/20/25 13:25	PB170631
95-57-8	2-Chlorophenol	24.4	U	1	24.4	170	ug/Kg	11/20/25 13:25	PB170631
95-48-7	2-Methylphenol	29.9	U	1	29.9	170	ug/Kg	11/20/25 13:25	PB170631
108-60-1	2,2-oxybis(1-Chloropropane)	37.5	U	1	37.5	170	ug/Kg	11/20/25 13:25	PB170631
98-86-2	Acetophenone	29.5	U	1	29.5	170	ug/Kg	11/20/25 13:25	PB170631
65794-96-9	3+4-Methylphenols	41.1	U	1	41.1	330	ug/Kg	11/20/25 13:25	PB170631
621-64-7	n-Nitroso-di-n-propylamine	47.4	U	1	47.4	79.9	ug/Kg	11/20/25 13:25	PB170631
67-72-1	Hexachloroethane	17.6	U	1	17.6	170	ug/Kg	11/20/25 13:25	PB170631
98-95-3	Nitrobenzene	18.3	U	1	18.3	170	ug/Kg	11/20/25 13:25	PB170631
78-59-1	Isophorone	32.8	U	1	32.8	170	ug/Kg	11/20/25 13:25	PB170631
88-75-5	2-Nitrophenol	58.2	U	1	58.2	170	ug/Kg	11/20/25 13:25	PB170631
105-67-9	2,4-Dimethylphenol	64.8	U	1	64.8	170	ug/Kg	11/20/25 13:25	PB170631
111-91-1	bis(2-Chloroethoxy)methane	30.8	U	1	30.8	170	ug/Kg	11/20/25 13:25	PB170631
120-83-2	2,4-Dichlorophenol	28.3	U	1	28.3	170	ug/Kg	11/20/25 13:25	PB170631
91-20-3	Naphthalene	22.7	U	1	22.7	170	ug/Kg	11/20/25 13:25	PB170631
106-47-8	4-Chloroaniline	35.4	U	1	35.4	170	ug/Kg	11/20/25 13:25	PB170631
87-68-3	Hexachlorobutadiene	25.3	U	1	25.3	170	ug/Kg	11/20/25 13:25	PB170631
105-60-2	Caprolactam	52.1	U	1	52.1	330	ug/Kg	11/20/25 13:25	PB170631
59-50-7	4-Chloro-3-methylphenol	28.7	U	1	28.7	170	ug/Kg	11/20/25 13:25	PB170631
91-57-6	2-Methylnaphthalene	25.6	U	1	25.6	170	ug/Kg	11/20/25 13:25	PB170631
77-47-4	Hexachlorocyclopentadiene	120	U	1	120	330	ug/Kg	11/20/25 13:25	PB170631
88-06-2	2,4,6-Trichlorophenol	19.8	U	1	19.8	170	ug/Kg	11/20/25 13:25	PB170631
95-95-4	2,4,5-Trichlorophenol	29.1	U	1	29.1	170	ug/Kg	11/20/25 13:25	PB170631
92-52-4	1,1-Biphenyl	21.8	U	1	21.8	170	ug/Kg	11/20/25 13:25	PB170631
91-58-7	2-Chloronaphthalene	22.5	U	1	22.5	170	ug/Kg	11/20/25 13:25	PB170631
88-74-4	2-Nitroaniline	48.1	U	1	48.1	170	ug/Kg	11/20/25 13:25	PB170631
131-11-3	Dimethylphthalate	27.1	U	1	27.1	170	ug/Kg	11/20/25 13:25	PB170631
208-96-8	Acenaphthylene	28.9	U	1	28.9	170	ug/Kg	11/20/25 13:25	PB170631
606-20-2	2,6-Dinitrotoluene	33.6	U	1	33.6	170	ug/Kg	11/20/25 13:25	PB170631
99-09-2	3-Nitroaniline	46.0	U	1	46.0	170	ug/Kg	11/20/25 13:25	PB170631
83-32-9	Acenaphthene	21.3	U	1	21.3	170	ug/Kg	11/20/25 13:25	PB170631
51-28-5	2,4-Dinitrophenol	230	U	1	230	330	ug/Kg	11/20/25 13:25	PB170631
100-02-7	4-Nitrophenol	110	U	1	110	330	ug/Kg	11/20/25 13:25	PB170631
132-64-9	Dibenzofuran	22.7	U	1	22.7	170	ug/Kg	11/20/25 13:25	PB170631
121-14-2	2,4-Dinitrotoluene	50.1	U	1	50.1	170	ug/Kg	11/20/25 13:25	PB170631
84-66-2	Diethylphthalate	28.3	U	1	28.3	170	ug/Kg	11/20/25 13:25	PB170631
7005-72-3	4-Chlorophenyl-phenylether	26.7	U	1	26.7	170	ug/Kg	11/20/25 13:25	PB170631
86-73-7	Fluorene	25.3	U	1	25.3	170	ug/Kg	11/20/25 13:25	PB170631
100-01-6	4-Nitroaniline	64.2	U	1	64.2	170	ug/Kg	11/20/25 13:25	PB170631
534-52-1	4,6-Dinitro-2-methylphenol	100	U	1	100	330	ug/Kg	11/20/25 13:25	PB170631

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	PB170631BL			SDG No.:	Q3662
Lab Sample ID:	PB170631BL			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	11/19/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	32.9	U	1	32.9	170	ug/Kg	11/20/25 13:25	PB170631
101-55-3	4-Bromophenyl-phenylether	27.8	U	1	27.8	170	ug/Kg	11/20/25 13:25	PB170631
118-74-1	Hexachlorobenzene	25.3	U	1	25.3	170	ug/Kg	11/20/25 13:25	PB170631
1912-24-9	Atrazine	34.0	U	1	34.0	170	ug/Kg	11/20/25 13:25	PB170631
87-86-5	Pentachlorophenol	51.3	U	1	51.3	330	ug/Kg	11/20/25 13:25	PB170631
85-01-8	Phenanthrene	20.9	U	1	20.9	170	ug/Kg	11/20/25 13:25	PB170631
120-12-7	Anthracene	33.3	U	1	33.3	170	ug/Kg	11/20/25 13:25	PB170631
86-74-8	Carbazole	31.2	U	1	31.2	170	ug/Kg	11/20/25 13:25	PB170631
84-74-2	Di-n-butylphthalate	47.9	U	1	47.9	170	ug/Kg	11/20/25 13:25	PB170631
206-44-0	Fluoranthene	30.0	U	1	30.0	170	ug/Kg	11/20/25 13:25	PB170631
129-00-0	Pyrene	36.0	U	1	36.0	170	ug/Kg	11/20/25 13:25	PB170631
85-68-7	Butylbenzylphthalate	71.4	U	1	71.4	170	ug/Kg	11/20/25 13:25	PB170631
91-94-1	3,3-Dichlorobenzidine	36.7	U	1	36.7	330	ug/Kg	11/20/25 13:25	PB170631
56-55-3	Benzo(a)anthracene	23.0	U	1	23.0	170	ug/Kg	11/20/25 13:25	PB170631
218-01-9	Chrysene	19.9	U	1	19.9	170	ug/Kg	11/20/25 13:25	PB170631
117-81-7	Bis(2-ethylhexyl)phthalate	59.2	U	1	59.2	170	ug/Kg	11/20/25 13:25	PB170631
117-84-0	Di-n-octyl phthalate	86.7	U	1	86.7	330	ug/Kg	11/20/25 13:25	PB170631
205-99-2	Benzo(b)fluoranthene	19.0	U	1	19.0	170	ug/Kg	11/20/25 13:25	PB170631
207-08-9	Benzo(k)fluoranthene	22.4	U	1	22.4	170	ug/Kg	11/20/25 13:25	PB170631
50-32-8	Benzo(a)pyrene	29.5	U	1	29.5	170	ug/Kg	11/20/25 13:25	PB170631
193-39-5	Indeno(1,2,3-cd)pyrene	29.1	U	1	29.1	170	ug/Kg	11/20/25 13:25	PB170631
53-70-3	Dibenzo(a,h)anthracene	27.4	U	1	27.4	170	ug/Kg	11/20/25 13:25	PB170631
191-24-2	Benzo(g,h,i)perylene	25.7	U	1	25.7	170	ug/Kg	11/20/25 13:25	PB170631
95-94-3	1,2,4,5-Tetrachlorobenzene	25.6	U	1	25.6	170	ug/Kg	11/20/25 13:25	PB170631
123-91-1	1,4-Dioxane	45.2	U	1	45.2	170	ug/Kg	11/20/25 13:25	PB170631
58-90-2	2,3,4,6-Tetrachlorophenol	27.4	U	1	27.4	170	ug/Kg	11/20/25 13:25	PB170631
SURROGATES									
367-12-4	2-Fluorophenol	116			30 (10) - 130 (105)	78%	SPK: 150		
13127-88-3	Phenol-d6	117			30 (10) - 130 (103)	78%	SPK: 150		
4165-60-0	Nitrobenzene-d5	80.1			30 (10) - 130 (108)	80%	SPK: 100		
321-60-8	2-Fluorobiphenyl	76.8			30 (10) - 130 (108)	77%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	121			30 (10) - 130 (116)	81%	SPK: 150		
1718-51-0	Terphenyl-d14	83.3			30 (10) - 130 (109)	83%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	60100							
1146-65-2	Naphthalene-d8	236000							
15067-26-2	Acenaphthene-d10	137000							
1517-22-2	Phenanthrene-d10	248000							
1719-03-5	Chrysene-d12	149000							
1520-96-3	Perylene-d12	168000							
TENTATIVE IDENTIFIED COMPOUNDS									
006311-48-4	(1,1-Biphenyl)-4,4-diamine, N,N	210	J			17.2	ug/Kg		

Raw Data: **BF144291.D**

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Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	PB170631BL			SDG No.:	Q3662
Lab Sample ID:	PB170631BL			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	11/19/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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

Raw Data: **BF144292.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	
Project:	PVWC Linear Construction	Date Received:	
Client Sample ID:	PB170631BS	SDG No.:	Q3662
Lab Sample ID:	PB170631BS	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	100
Sample Wt/Vol:	30.03 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/19/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	830		1	160	330	ug/Kg	11/20/25 13:54	PB170631
108-95-2	Phenol	1400		1	22.1	170	ug/Kg	11/20/25 13:54	PB170631
111-44-4	bis(2-Chloroethyl)ether	1500		1	24.3	170	ug/Kg	11/20/25 13:54	PB170631
95-57-8	2-Chlorophenol	1400		1	24.4	170	ug/Kg	11/20/25 13:54	PB170631
95-48-7	2-Methylphenol	1500		1	29.9	170	ug/Kg	11/20/25 13:54	PB170631
108-60-1	2,2-oxybis(1-Chloropropane)	1500		1	37.5	170	ug/Kg	11/20/25 13:54	PB170631
98-86-2	Acetophenone	1500		1	29.5	170	ug/Kg	11/20/25 13:54	PB170631
65794-96-9	3+4-Methylphenols	1400		1	41.1	330	ug/Kg	11/20/25 13:54	PB170631
621-64-7	n-Nitroso-di-n-propylamine	1400		1	47.4	79.9	ug/Kg	11/20/25 13:54	PB170631
67-72-1	Hexachloroethane	1400		1	17.6	170	ug/Kg	11/20/25 13:54	PB170631
98-95-3	Nitrobenzene	1400		1	18.3	170	ug/Kg	11/20/25 13:54	PB170631
78-59-1	Isophorone	1500		1	32.8	170	ug/Kg	11/20/25 13:54	PB170631
88-75-5	2-Nitrophenol	1400		1	58.1	170	ug/Kg	11/20/25 13:54	PB170631
105-67-9	2,4-Dimethylphenol	1600		1	64.7	170	ug/Kg	11/20/25 13:54	PB170631
111-91-1	bis(2-Chloroethoxy)methane	1500		1	30.8	170	ug/Kg	11/20/25 13:54	PB170631
120-83-2	2,4-Dichlorophenol	1400		1	28.3	170	ug/Kg	11/20/25 13:54	PB170631
91-20-3	Naphthalene	1400		1	22.7	170	ug/Kg	11/20/25 13:54	PB170631
106-47-8	4-Chloroaniline	880		1	35.4	170	ug/Kg	11/20/25 13:54	PB170631
87-68-3	Hexachlorobutadiene	1300		1	25.3	170	ug/Kg	11/20/25 13:54	PB170631
105-60-2	Caprolactam	1600		1	52.0	330	ug/Kg	11/20/25 13:54	PB170631
59-50-7	4-Chloro-3-methylphenol	1500		1	28.7	170	ug/Kg	11/20/25 13:54	PB170631
91-57-6	2-Methylnaphthalene	1300		1	25.6	170	ug/Kg	11/20/25 13:54	PB170631
77-47-4	Hexachlorocyclopentadiene	2500		1	120	330	ug/Kg	11/20/25 13:54	PB170631
88-06-2	2,4,6-Trichlorophenol	1400		1	19.8	170	ug/Kg	11/20/25 13:54	PB170631
95-95-4	2,4,5-Trichlorophenol	1400		1	29.1	170	ug/Kg	11/20/25 13:54	PB170631
92-52-4	1,1-Biphenyl	1500		1	21.8	170	ug/Kg	11/20/25 13:54	PB170631
91-58-7	2-Chloronaphthalene	1400		1	22.5	170	ug/Kg	11/20/25 13:54	PB170631
88-74-4	2-Nitroaniline	1500		1	48.1	170	ug/Kg	11/20/25 13:54	PB170631
131-11-3	Dimethylphthalate	1500		1	27.1	170	ug/Kg	11/20/25 13:54	PB170631
208-96-8	Acenaphthylene	1500		1	28.9	170	ug/Kg	11/20/25 13:54	PB170631
606-20-2	2,6-Dinitrotoluene	1500		1	33.6	170	ug/Kg	11/20/25 13:54	PB170631
99-09-2	3-Nitroaniline	1100		1	46.0	170	ug/Kg	11/20/25 13:54	PB170631
83-32-9	Acenaphthene	1300		1	21.3	170	ug/Kg	11/20/25 13:54	PB170631
51-28-5	2,4-Dinitrophenol	3000	E	1	230	330	ug/Kg	11/20/25 13:54	PB170631
100-02-7	4-Nitrophenol	2700	E	1	110	330	ug/Kg	11/20/25 13:54	PB170631
132-64-9	Dibenzofuran	1400		1	22.7	170	ug/Kg	11/20/25 13:54	PB170631
121-14-2	2,4-Dinitrotoluene	1500		1	50.0	170	ug/Kg	11/20/25 13:54	PB170631
84-66-2	Diethylphthalate	1500		1	28.3	170	ug/Kg	11/20/25 13:54	PB170631
7005-72-3	4-Chlorophenyl-phenylether	1400		1	26.7	170	ug/Kg	11/20/25 13:54	PB170631
86-73-7	Fluorene	1400		1	25.3	170	ug/Kg	11/20/25 13:54	PB170631
100-01-6	4-Nitroaniline	1400		1	64.1	170	ug/Kg	11/20/25 13:54	PB170631
534-52-1	4,6-Dinitro-2-methylphenol	1500		1	100	330	ug/Kg	11/20/25 13:54	PB170631

Raw Data: **BF144292.D**

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

Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	PB170631BS			SDG No.:	Q3662
Lab Sample ID:	PB170631BS			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	11/19/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1500		1	32.9	170	ug/Kg	11/20/25 13:54	PB170631
101-55-3	4-Bromophenyl-phenylether	1400		1	27.8	170	ug/Kg	11/20/25 13:54	PB170631
118-74-1	Hexachlorobenzene	1400		1	25.3	170	ug/Kg	11/20/25 13:54	PB170631
1912-24-9	Atrazine	1600		1	34.0	170	ug/Kg	11/20/25 13:54	PB170631
87-86-5	Pentachlorophenol	3000	E	1	51.2	330	ug/Kg	11/20/25 13:54	PB170631
85-01-8	Phenanthrene	1400		1	20.9	170	ug/Kg	11/20/25 13:54	PB170631
120-12-7	Anthracene	1400		1	33.3	170	ug/Kg	11/20/25 13:54	PB170631
86-74-8	Carbazole	1400		1	31.2	170	ug/Kg	11/20/25 13:54	PB170631
84-74-2	Di-n-butylphthalate	1500		1	47.9	170	ug/Kg	11/20/25 13:54	PB170631
206-44-0	Fluoranthene	1400		1	30.0	170	ug/Kg	11/20/25 13:54	PB170631
129-00-0	Pyrene	1500		1	36.0	170	ug/Kg	11/20/25 13:54	PB170631
85-68-7	Butylbenzylphthalate	1600		1	71.3	170	ug/Kg	11/20/25 13:54	PB170631
91-94-1	3,3-Dichlorobenzidine	1200		1	36.7	330	ug/Kg	11/20/25 13:54	PB170631
56-55-3	Benzo(a)anthracene	1500		1	23.0	170	ug/Kg	11/20/25 13:54	PB170631
218-01-9	Chrysene	1500		1	19.9	170	ug/Kg	11/20/25 13:54	PB170631
117-81-7	Bis(2-ethylhexyl)phthalate	1500		1	59.1	170	ug/Kg	11/20/25 13:54	PB170631
117-84-0	Di-n-octyl phthalate	1500		1	86.7	330	ug/Kg	11/20/25 13:54	PB170631
205-99-2	Benzo(b)fluoranthene	1700		1	19.0	170	ug/Kg	11/20/25 13:54	PB170631
207-08-9	Benzo(k)fluoranthene	1600		1	22.4	170	ug/Kg	11/20/25 13:54	PB170631
50-32-8	Benzo(a)pyrene	1700		1	29.5	170	ug/Kg	11/20/25 13:54	PB170631
193-39-5	Indeno(1,2,3-cd)pyrene	1300		1	29.1	170	ug/Kg	11/20/25 13:54	PB170631
53-70-3	Dibenzo(a,h)anthracene	1400		1	27.4	170	ug/Kg	11/20/25 13:54	PB170631
191-24-2	Benzo(g,h,i)perylene	1300		1	25.7	170	ug/Kg	11/20/25 13:54	PB170631
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		1	25.6	170	ug/Kg	11/20/25 13:54	PB170631
123-91-1	1,4-Dioxane	1300		1	45.2	170	ug/Kg	11/20/25 13:54	PB170631
58-90-2	2,3,4,6-Tetrachlorophenol	1500		1	27.4	170	ug/Kg	11/20/25 13:54	PB170631
SURROGATES									
367-12-4	2-Fluorophenol	113			30 (10) - 130 (105)	76%	SPK: 150		
13127-88-3	Phenol-d6	116			30 (10) - 130 (103)	77%	SPK: 150		
4165-60-0	Nitrobenzene-d5	79.0			30 (10) - 130 (108)	79%	SPK: 100		
321-60-8	2-Fluorobiphenyl	75.9			30 (10) - 130 (108)	76%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	117			30 (10) - 130 (116)	78%	SPK: 150		
1718-51-0	Terphenyl-d14	84.1			30 (10) - 130 (109)	84%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	65000							
1146-65-2	Naphthalene-d8	256000							
15067-26-2	Acenaphthene-d10	148000							
1517-22-2	Phenanthrene-d10	246000							
1719-03-5	Chrysene-d12	145000							
1520-96-3	Perylene-d12	168000							

Raw Data: **BF144292.D**

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

Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	PB170631BS			SDG No.:	Q3662
Lab Sample ID:	PB170631BS			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	11/19/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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

Raw Data: **BF144303.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/17/25
Project:	PVWC Linear Construction	Date Received:	11/18/25
Client Sample ID:	B3-0.0-1.0-20251117MS	SDG No.:	Q3662
Lab Sample ID:	Q3662-02MS	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	84.7
Sample Wt/Vol:	30.08 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/19/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	1500		1	180	390	ug/Kg	11/20/25 19:26	PB170631
108-95-2	Phenol	1700		1	26.0	200	ug/Kg	11/20/25 19:26	PB170631
111-44-4	bis(2-Chloroethyl)ether	1800		1	28.6	200	ug/Kg	11/20/25 19:26	PB170631
95-57-8	2-Chlorophenol	1800		1	28.7	200	ug/Kg	11/20/25 19:26	PB170631
95-48-7	2-Methylphenol	1800		1	35.2	200	ug/Kg	11/20/25 19:26	PB170631
108-60-1	2,2-oxybis(1-Chloropropane)	1800		1	44.2	200	ug/Kg	11/20/25 19:26	PB170631
98-86-2	Acetophenone	1900		1	34.7	200	ug/Kg	11/20/25 19:26	PB170631
65794-96-9	3+4-Methylphenols	1800		1	48.4	390	ug/Kg	11/20/25 19:26	PB170631
621-64-7	n-Nitroso-di-n-propylamine	1800		1	55.8	94.2	ug/Kg	11/20/25 19:26	PB170631
67-72-1	Hexachloroethane	1700		1	20.7	200	ug/Kg	11/20/25 19:26	PB170631
98-95-3	Nitrobenzene	1800		1	21.5	200	ug/Kg	11/20/25 19:26	PB170631
78-59-1	Isophorone	1800		1	38.6	200	ug/Kg	11/20/25 19:26	PB170631
88-75-5	2-Nitrophenol	1500		1	68.5	200	ug/Kg	11/20/25 19:26	PB170631
105-67-9	2,4-Dimethylphenol	2000		1	76.3	200	ug/Kg	11/20/25 19:26	PB170631
111-91-1	bis(2-Chloroethoxy)methane	1800		1	36.3	200	ug/Kg	11/20/25 19:26	PB170631
120-83-2	2,4-Dichlorophenol	1700		1	33.3	200	ug/Kg	11/20/25 19:26	PB170631
91-20-3	Naphthalene	1800		1	26.7	200	ug/Kg	11/20/25 19:26	PB170631
106-47-8	4-Chloroaniline	450		1	41.7	200	ug/Kg	11/20/25 19:26	PB170631
87-68-3	Hexachlorobutadiene	1700		1	29.8	200	ug/Kg	11/20/25 19:26	PB170631
105-60-2	Caprolactam	1800		1	61.3	390	ug/Kg	11/20/25 19:26	PB170631
59-50-7	4-Chloro-3-methylphenol	1600		1	33.8	200	ug/Kg	11/20/25 19:26	PB170631
91-57-6	2-Methylnaphthalene	1600		1	30.1	200	ug/Kg	11/20/25 19:26	PB170631
77-47-4	Hexachlorocyclopentadiene	1200		1	140	390	ug/Kg	11/20/25 19:26	PB170631
88-06-2	2,4,6-Trichlorophenol	1700		1	23.3	200	ug/Kg	11/20/25 19:26	PB170631
95-95-4	2,4,5-Trichlorophenol	1700		1	34.3	200	ug/Kg	11/20/25 19:26	PB170631
92-52-4	1,1-Biphenyl	1900		1	25.7	200	ug/Kg	11/20/25 19:26	PB170631
91-58-7	2-Chloronaphthalene	1800		1	26.5	200	ug/Kg	11/20/25 19:26	PB170631
88-74-4	2-Nitroaniline	1900		1	56.6	200	ug/Kg	11/20/25 19:26	PB170631
131-11-3	Dimethylphthalate	1900		1	31.9	200	ug/Kg	11/20/25 19:26	PB170631
208-96-8	Acenaphthylene	2000		1	34.0	200	ug/Kg	11/20/25 19:26	PB170631
606-20-2	2,6-Dinitrotoluene	1900		1	39.6	200	ug/Kg	11/20/25 19:26	PB170631
99-09-2	3-Nitroaniline	1300		1	54.2	200	ug/Kg	11/20/25 19:26	PB170631
83-32-9	Acenaphthene	1600		1	25.1	200	ug/Kg	11/20/25 19:26	PB170631
51-28-5	2,4-Dinitrophenol	280	J	1	270	390	ug/Kg	11/20/25 19:26	PB170631
100-02-7	4-Nitrophenol	3600	E	1	130	390	ug/Kg	11/20/25 19:26	PB170631
132-64-9	Dibenzofuran	1800		1	26.7	200	ug/Kg	11/20/25 19:26	PB170631
121-14-2	2,4-Dinitrotoluene	1800		1	59.0	200	ug/Kg	11/20/25 19:26	PB170631
84-66-2	Diethylphthalate	1900		1	33.3	200	ug/Kg	11/20/25 19:26	PB170631
7005-72-3	4-Chlorophenyl-phenylether	1700		1	31.4	200	ug/Kg	11/20/25 19:26	PB170631
86-73-7	Fluorene	1800		1	29.8	200	ug/Kg	11/20/25 19:26	PB170631
100-01-6	4-Nitroaniline	1900		1	75.6	200	ug/Kg	11/20/25 19:26	PB170631
534-52-1	4,6-Dinitro-2-methylphenol	220	J	1	120	390	ug/Kg	11/20/25 19:26	PB170631

Raw Data: **BF144303.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/17/25
Project:	PVWC Linear Construction	Date Received:	11/18/25
Client Sample ID:	B3-0.0-1.0-20251117MS	SDG No.:	Q3662
Lab Sample ID:	Q3662-02MS	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	84.7
Sample Wt/Vol:	30.08 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/19/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1800		1	38.7	200	ug/Kg	11/20/25 19:26	PB170631
101-55-3	4-Bromophenyl-phenylether	1700		1	32.7	200	ug/Kg	11/20/25 19:26	PB170631
118-74-1	Hexachlorobenzene	1700		1	29.8	200	ug/Kg	11/20/25 19:26	PB170631
1912-24-9	Atrazine	1900		1	40.0	200	ug/Kg	11/20/25 19:26	PB170631
87-86-5	Pentachlorophenol	3300	E	1	60.4	390	ug/Kg	11/20/25 19:26	PB170631
85-01-8	Phenanthrene	1900		1	24.6	200	ug/Kg	11/20/25 19:26	PB170631
120-12-7	Anthracene	1800		1	39.2	200	ug/Kg	11/20/25 19:26	PB170631
86-74-8	Carbazole	2000		1	36.7	200	ug/Kg	11/20/25 19:26	PB170631
84-74-2	Di-n-butylphthalate	1900		1	56.4	200	ug/Kg	11/20/25 19:26	PB170631
206-44-0	Fluoranthene	2300		1	35.3	200	ug/Kg	11/20/25 19:26	PB170631
129-00-0	Pyrene	1800		1	42.4	200	ug/Kg	11/20/25 19:26	PB170631
85-68-7	Butylbenzylphthalate	1900		1	84.1	200	ug/Kg	11/20/25 19:26	PB170631
91-94-1	3,3-Dichlorobenzidine	1300		1	43.2	390	ug/Kg	11/20/25 19:26	PB170631
56-55-3	Benzo(a)anthracene	1900		1	27.1	200	ug/Kg	11/20/25 19:26	PB170631
218-01-9	Chrysene	1900		1	23.4	200	ug/Kg	11/20/25 19:26	PB170631
117-81-7	Bis(2-ethylhexyl)phthalate	2000		1	69.7	200	ug/Kg	11/20/25 19:26	PB170631
117-84-0	Di-n-octyl phthalate	1900		1	100	390	ug/Kg	11/20/25 19:26	PB170631
205-99-2	Benzo(b)fluoranthene	2300		1	22.4	200	ug/Kg	11/20/25 19:26	PB170631
207-08-9	Benzo(k)fluoranthene	2100		1	26.4	200	ug/Kg	11/20/25 19:26	PB170631
50-32-8	Benzo(a)pyrene	2000		1	34.7	200	ug/Kg	11/20/25 19:26	PB170631
193-39-5	Indeno(1,2,3-cd)pyrene	1500		1	34.3	200	ug/Kg	11/20/25 19:26	PB170631
53-70-3	Dibenzo(a,h)anthracene	1500		1	32.3	200	ug/Kg	11/20/25 19:26	PB170631
191-24-2	Benzo(g,h,i)perylene	1500		1	30.3	200	ug/Kg	11/20/25 19:26	PB170631
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		1	30.1	200	ug/Kg	11/20/25 19:26	PB170631
123-91-1	1,4-Dioxane	2000		1	53.2	200	ug/Kg	11/20/25 19:26	PB170631
58-90-2	2,3,4,6-Tetrachlorophenol	1900		1	32.3	200	ug/Kg	11/20/25 19:26	PB170631
SURROGATES									
367-12-4	2-Fluorophenol	70.7			30 (10) - 130 (105)	47%	SPK: 150		
13127-88-3	Phenol-d6	70.1			30 (10) - 130 (103)	47%	SPK: 150		
4165-60-0	Nitrobenzene-d5	48.9			30 (10) - 130 (108)	49%	SPK: 100		
321-60-8	2-Fluorobiphenyl	50.4			30 (10) - 130 (108)	50%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	65.4			30 (10) - 130 (116)	44%	SPK: 150		
1718-51-0	Terphenyl-d14	42.1			30 (10) - 130 (109)	42%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	47800							
1146-65-2	Naphthalene-d8	175000							
15067-26-2	Acenaphthene-d10	88300							
1517-22-2	Phenanthrene-d10	153000							
1719-03-5	Chrysene-d12	129000							
1520-96-3	Perylene-d12	103000							

Raw Data: **BF144303.D**

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

Report of Analysis

Client:	HDR, Inc.			Date Collected:	11/17/25
Project:	PVWC Linear Construction			Date Received:	11/18/25
Client Sample ID:	B3-0.0-1.0-20251117MS			SDG No.:	Q3662
Lab Sample ID:	Q3662-02MS			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	84.7
Sample Wt/Vol:	30.08 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	11/19/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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

Raw Data: **BF144304.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/17/25
Project:	PVWC Linear Construction	Date Received:	11/18/25
Client Sample ID:	B3-0.0-1.0-20251117MSD	SDG No.:	Q3662
Lab Sample ID:	Q3662-02MSD	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	84.7
Sample Wt/Vol:	30.07 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/19/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	1700		1	180	390	ug/Kg	11/20/25 19:56	PB170631
108-95-2	Phenol	1800		1	26.0	200	ug/Kg	11/20/25 19:56	PB170631
111-44-4	bis(2-Chloroethyl)ether	2000		1	28.6	200	ug/Kg	11/20/25 19:56	PB170631
95-57-8	2-Chlorophenol	1900		1	28.7	200	ug/Kg	11/20/25 19:56	PB170631
95-48-7	2-Methylphenol	1900		1	35.2	200	ug/Kg	11/20/25 19:56	PB170631
108-60-1	2,2-oxybis(1-Chloropropane)	1900		1	44.2	200	ug/Kg	11/20/25 19:56	PB170631
98-86-2	Acetophenone	2000		1	34.7	200	ug/Kg	11/20/25 19:56	PB170631
65794-96-9	3+4-Methylphenols	1800		1	48.4	390	ug/Kg	11/20/25 19:56	PB170631
621-64-7	n-Nitroso-di-n-propylamine	1900		1	55.8	94.2	ug/Kg	11/20/25 19:56	PB170631
67-72-1	Hexachloroethane	1800		1	20.7	200	ug/Kg	11/20/25 19:56	PB170631
98-95-3	Nitrobenzene	2000		1	21.6	200	ug/Kg	11/20/25 19:56	PB170631
78-59-1	Isophorone	2000		1	38.6	200	ug/Kg	11/20/25 19:56	PB170631
88-75-5	2-Nitrophenol	1700		1	68.6	200	ug/Kg	11/20/25 19:56	PB170631
105-67-9	2,4-Dimethylphenol	2100		1	76.3	200	ug/Kg	11/20/25 19:56	PB170631
111-91-1	bis(2-Chloroethoxy)methane	2000		1	36.3	200	ug/Kg	11/20/25 19:56	PB170631
120-83-2	2,4-Dichlorophenol	1800		1	33.3	200	ug/Kg	11/20/25 19:56	PB170631
91-20-3	Naphthalene	1900		1	26.7	200	ug/Kg	11/20/25 19:56	PB170631
106-47-8	4-Chloroaniline	500		1	41.7	200	ug/Kg	11/20/25 19:56	PB170631
87-68-3	Hexachlorobutadiene	1800		1	29.8	200	ug/Kg	11/20/25 19:56	PB170631
105-60-2	Caprolactam	1900		1	61.4	390	ug/Kg	11/20/25 19:56	PB170631
59-50-7	4-Chloro-3-methylphenol	1700		1	33.8	200	ug/Kg	11/20/25 19:56	PB170631
91-57-6	2-Methylnaphthalene	1700		1	30.2	200	ug/Kg	11/20/25 19:56	PB170631
77-47-4	Hexachlorocyclopentadiene	1300		1	140	390	ug/Kg	11/20/25 19:56	PB170631
88-06-2	2,4,6-Trichlorophenol	1900		1	23.3	200	ug/Kg	11/20/25 19:56	PB170631
95-95-4	2,4,5-Trichlorophenol	1800		1	34.3	200	ug/Kg	11/20/25 19:56	PB170631
92-52-4	1,1-Biphenyl	2000		1	25.7	200	ug/Kg	11/20/25 19:56	PB170631
91-58-7	2-Chloronaphthalene	1900		1	26.5	200	ug/Kg	11/20/25 19:56	PB170631
88-74-4	2-Nitroaniline	2100		1	56.7	200	ug/Kg	11/20/25 19:56	PB170631
131-11-3	Dimethylphthalate	2000		1	31.9	200	ug/Kg	11/20/25 19:56	PB170631
208-96-8	Acenaphthylene	2100		1	34.0	200	ug/Kg	11/20/25 19:56	PB170631
606-20-2	2,6-Dinitrotoluene	2000		1	39.6	200	ug/Kg	11/20/25 19:56	PB170631
99-09-2	3-Nitroaniline	1400		1	54.2	200	ug/Kg	11/20/25 19:56	PB170631
83-32-9	Acenaphthene	1700		1	25.1	200	ug/Kg	11/20/25 19:56	PB170631
51-28-5	2,4-Dinitrophenol	270	U	1	270	390	ug/Kg	11/20/25 19:56	PB170631
100-02-7	4-Nitrophenol	3800	E	1	130	390	ug/Kg	11/20/25 19:56	PB170631
132-64-9	Dibenzofuran	1900		1	26.7	200	ug/Kg	11/20/25 19:56	PB170631
121-14-2	2,4-Dinitrotoluene	1900		1	59.0	200	ug/Kg	11/20/25 19:56	PB170631
84-66-2	Diethylphthalate	2000		1	33.3	200	ug/Kg	11/20/25 19:56	PB170631
7005-72-3	4-Chlorophenyl-phenylether	1800		1	31.4	200	ug/Kg	11/20/25 19:56	PB170631
86-73-7	Fluorene	1900		1	29.8	200	ug/Kg	11/20/25 19:56	PB170631
100-01-6	4-Nitroaniline	2000		1	75.6	200	ug/Kg	11/20/25 19:56	PB170631
534-52-1	4,6-Dinitro-2-methylphenol	210	J	1	120	390	ug/Kg	11/20/25 19:56	PB170631

Raw Data: **BF144304.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/17/25
Project:	PVWC Linear Construction	Date Received:	11/18/25
Client Sample ID:	B3-0.0-1.0-20251117MSD	SDG No.:	Q3662
Lab Sample ID:	Q3662-02MSD	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	84.7
Sample Wt/Vol:	30.07 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/19/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1900		1	38.8	200	ug/Kg	11/20/25 19:56	PB170631
101-55-3	4-Bromophenyl-phenylether	1700		1	32.7	200	ug/Kg	11/20/25 19:56	PB170631
118-74-1	Hexachlorobenzene	1800		1	29.8	200	ug/Kg	11/20/25 19:56	PB170631
1912-24-9	Atrazine	1900		1	40.0	200	ug/Kg	11/20/25 19:56	PB170631
87-86-5	Pentachlorophenol	3400	E	1	60.4	390	ug/Kg	11/20/25 19:56	PB170631
85-01-8	Phenanthrene	2000		1	24.6	200	ug/Kg	11/20/25 19:56	PB170631
120-12-7	Anthracene	1900		1	39.2	200	ug/Kg	11/20/25 19:56	PB170631
86-74-8	Carbazole	2100		1	36.8	200	ug/Kg	11/20/25 19:56	PB170631
84-74-2	Di-n-butylphthalate	2000		1	56.4	200	ug/Kg	11/20/25 19:56	PB170631
206-44-0	Fluoranthene	2400		1	35.3	200	ug/Kg	11/20/25 19:56	PB170631
129-00-0	Pyrene	1900		1	42.4	200	ug/Kg	11/20/25 19:56	PB170631
85-68-7	Butylbenzylphthalate	2100		1	84.1	200	ug/Kg	11/20/25 19:56	PB170631
91-94-1	3,3-Dichlorobenzidine	1400		1	43.2	390	ug/Kg	11/20/25 19:56	PB170631
56-55-3	Benzo(a)anthracene	2100		1	27.1	200	ug/Kg	11/20/25 19:56	PB170631
218-01-9	Chrysene	2000		1	23.4	200	ug/Kg	11/20/25 19:56	PB170631
117-81-7	Bis(2-ethylhexyl)phthalate	2100		1	69.7	200	ug/Kg	11/20/25 19:56	PB170631
117-84-0	Di-n-octyl phthalate	2000		1	100	390	ug/Kg	11/20/25 19:56	PB170631
205-99-2	Benzo(b)fluoranthene	2400		1	22.4	200	ug/Kg	11/20/25 19:56	PB170631
207-08-9	Benzo(k)fluoranthene	2200		1	26.4	200	ug/Kg	11/20/25 19:56	PB170631
50-32-8	Benzo(a)pyrene	2100		1	34.7	200	ug/Kg	11/20/25 19:56	PB170631
193-39-5	Indeno(1,2,3-cd)pyrene	1600		1	34.3	200	ug/Kg	11/20/25 19:56	PB170631
53-70-3	Dibenzo(a,h)anthracene	1600		1	32.3	200	ug/Kg	11/20/25 19:56	PB170631
191-24-2	Benzo(g,h,i)perylene	1600		1	30.3	200	ug/Kg	11/20/25 19:56	PB170631
95-94-3	1,2,4,5-Tetrachlorobenzene	1900		1	30.2	200	ug/Kg	11/20/25 19:56	PB170631
123-91-1	1,4-Dioxane	2100		1	53.2	200	ug/Kg	11/20/25 19:56	PB170631
58-90-2	2,3,4,6-Tetrachlorophenol	2000		1	32.3	200	ug/Kg	11/20/25 19:56	PB170631
SURROGATES									
367-12-4	2-Fluorophenol	76.7			30 (10) - 130 (105)	51%	SPK: 150		
13127-88-3	Phenol-d6	74.5			30 (10) - 130 (103)	50%	SPK: 150		
4165-60-0	Nitrobenzene-d5	52.5			30 (10) - 130 (108)	52%	SPK: 100		
321-60-8	2-Fluorobiphenyl	52.9			30 (10) - 130 (108)	53%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	70.7			30 (10) - 130 (116)	47%	SPK: 150		
1718-51-0	Terphenyl-d14	45.1			30 (10) - 130 (109)	45%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	44100							
1146-65-2	Naphthalene-d8	160000							
15067-26-2	Acenaphthene-d10	80500							
1517-22-2	Phenanthrene-d10	144000							
1719-03-5	Chrysene-d12	119000							
1520-96-3	Perylene-d12	95300							

Raw Data: **BF144304.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	HDR, Inc.			Date Collected:	11/17/25
Project:	PVWC Linear Construction			Date Received:	11/18/25
Client Sample ID:	B3-0.0-1.0-20251117MSD			SDG No.:	Q3662
Lab Sample ID:	Q3662-02MSD			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	84.7
Sample Wt/Vol:	30.07 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	11/19/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 05 18:37:33 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF144169.D 5 =BF144170.D 10 =BF144171.D 20 =BF144172.D 40 =BF144173.D 50 =BF144174.D 60 =BF144175.D 80 =BF1441
76.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.526	0.487	0.518	0.554	0.500	0.573	0.540	0.528	5.68
3)		Pyridine		1.374	1.406	1.491	1.520	1.378	1.607	1.543	1.474	6.12
4)		n-Nitrosodimet...			0.719	0.726	0.775	0.723	0.868	0.810	0.770	7.79
5)	S	2-Fluorophenol		1.332	1.303	1.316	1.315	1.157	1.330	1.193	1.278	5.62
6)		Aniline		2.194	2.169	2.114	2.067	1.841	2.139	1.920	2.063	6.46
7)	S	Phenol-d6		1.566	1.518	1.511	1.460	1.281	1.461	1.339	1.448	7.08
8)		2-Chlorophenol		1.242	1.309	1.292	1.281	1.152	1.293	1.204	1.253	4.59
9)		Benzaldehyde			1.033	0.917	0.816	0.672	0.786	0.683	0.818	16.99
10)	C	Phenol		1.845	1.896	1.840	1.858	1.562	1.790	1.594	1.769	7.60
11)		bis(2-Chloroet...		1.278	1.333	1.342	1.316	1.155	1.341	1.259	1.289	5.22
12)		1,3-Dichlorobe...		1.677	1.573	1.583	1.541	1.397	1.586	1.468	1.547	5.86
13)	C	1,4-Dichlorobe...		1.669	1.563	1.583	1.591	1.372	1.604	1.464	1.549	6.40
14)		1,2-Dichlorobe...		1.651	1.510	1.488	1.485	1.325	1.533	1.404	1.485	6.88
15)		Benzyl Alcohol			1.140	1.188	1.161	1.050	1.197	1.145	1.147	4.61
16)		2,2'-oxybis(1-...		2.408	2.470	2.496	2.418	2.147	2.442	2.238	2.374	5.50
17)		2-Methylphenol		1.031	1.054	1.007	1.033	0.895	1.002	0.958	0.997	5.44
18)		Hexachloroethane		0.512	0.513	0.532	0.532	0.467	0.543	0.504	0.515	4.90
19)	P	n-Nitroso-di-n...	0.998	1.010	1.023	0.996	0.950	0.813	0.937	0.900	0.953	7.38
20)		3+4-Methylphenols			1.330	1.223	1.215	1.030	1.175	1.080	1.175	9.16
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.479	0.464	0.434	0.434	0.380	0.421	0.391	0.429	8.34
23)	S	Nitrobenzene-d5		0.343	0.352	0.349	0.360	0.321	0.361	0.338	0.346	4.07
24)		Nitrobenzene		0.370	0.390	0.376	0.388	0.342	0.398	0.368	0.376	4.90
25)		Isophorone		0.659	0.668	0.669	0.673	0.581	0.675	0.659	0.655	5.05
26)	C	2-Nitrophenol		0.167	0.187	0.191	0.197	0.174	0.200	0.186	0.186	6.47
27)		2,4-Dimethylph...		0.281	0.278	0.265	0.298	0.260	0.295	0.275	0.279	5.08
28)		bis(2-Chloroet...		0.426	0.417	0.412	0.423	0.372	0.423	0.390	0.409	5.02
29)	C	2,4-Dichloroph...		0.334	0.342	0.330	0.331	0.289	0.326	0.297	0.322	6.20
30)		1,2,4-Trichlor...		0.350	0.349	0.332	0.337	0.296	0.335	0.312	0.330	5.96
31)		Naphthalene		1.019	1.008	0.982	0.969	0.850	0.952	0.880	0.951	6.71
32)		Benzoic acid			0.268	0.220	0.180	0.165	0.190	0.204	0.204	17.90
33)		4-Chloroaniline		0.358	0.364	0.355	0.362	0.309	0.355	0.326	0.347	6.07
34)	C	Hexachlorobuta...		0.256	0.250	0.252	0.259	0.232	0.254	0.238	0.249	4.03
35)		Caprolactam			0.094	0.093	0.092	0.075	0.087	0.088	0.088	8.10
36)	C	4-Chloro-3-met...		0.283	0.307	0.304	0.297	0.259	0.290	0.277	0.288	5.77
37)		2-Methylnaphth...		0.702	0.672	0.665	0.647	0.559	0.623	0.583	0.636	7.98
38)		1-Methylnaphth...		0.667	0.681	0.632	0.620	0.536	0.600	0.561	0.614	8.61

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110525.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.677	0.662	0.659	0.675	0.588	0.716	0.611	0.655	6.57
41)	P	Hexachlorocycl...		0.121	0.142	0.200	0.204	0.253	0.248	0.195	27.78
42)	S	2,4,6-Tribromo...	0.242	0.257	0.257	0.265	0.227	0.261	0.249	0.251	5.27
43)	C	2,4,6-Trichlor...	0.440	0.449	0.449	0.456	0.409	0.489	0.431	0.446	5.49
44)		2,4,5-Trichlor...	0.497	0.489	0.497	0.489	0.438	0.502	0.456	0.481	5.05
45)	S	2-Fluorobiphenyl	1.598	1.428	1.361	1.350	1.177	1.381	1.183	1.354	10.72
46)		1,1'-Biphenyl	1.535	1.446	1.425	1.408	1.239	1.450	1.270	1.396	7.52
47)		2-Chloronaphth...	1.303	1.216	1.206	1.204	1.068	1.252	1.087	1.191	7.12
48)		2-Nitroaniline	0.302	0.347	0.349	0.361	0.326	0.374	0.345	0.344	6.84
49)		Acenaphthylene	1.727	1.686	1.677	1.645	1.440	1.678	1.506	1.623	6.57
50)		Dimethylphthalate	1.437	1.343	1.359	1.345	1.168	1.375	1.247	1.325	6.71
51)		2,6-Dinitrotol...	0.251	0.271	0.271	0.276	0.252	0.290	0.266	0.268	5.16
52)	C	Acenaphthene	1.138	1.162	1.120	1.096	0.956	1.117	1.007	1.085	6.90
53)		3-Nitroaniline	0.271	0.301	0.302	0.315	0.264	0.316	0.283	0.293	7.07
54)	P	2,4-Dinitrophenol		0.202	0.166	0.140	0.133	0.168	0.164	0.162	14.99
55)		Dibenzofuran	1.644	1.600	1.586	1.551	1.337	1.562	1.359	1.520	7.99
56)	P	4-Nitrophenol		0.273	0.202	0.204	0.185	0.211	0.198	0.212	14.64
57)		2,4-Dinitrotol...	0.322	0.377	0.372	0.385	0.328	0.377	0.353	0.359	7.07
58)		Fluorene	1.295	1.223	1.197	1.180	0.997	1.149	1.048	1.156	8.88
59)		2,3,4,6-Tetrac...	0.308	0.347	0.336	0.358	0.316	0.372	0.345	0.340	6.58
60)		Diethylphthalate	1.294	1.273	1.254	1.254	1.075	1.237	1.163	1.221	6.27
61)		4-Chlorophenyl...	0.711	0.701	0.678	0.685	0.570	0.659	0.605	0.658	7.92
62)		4-Nitroaniline	0.273	0.290	0.293	0.288	0.254	0.288	0.268	0.279	5.10
63)		Azobenzene	1.157	1.203	1.145	1.164	0.995	1.197	1.096	1.137	6.33
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.147	0.138	0.130	0.120	0.142	0.138	0.136	6.99
66)	c	n-Nitrosodiphe...	0.695	0.676	0.635	0.646	0.577	0.660	0.614	0.643	6.12
67)		4-Bromophenyl-...	0.264	0.260	0.255	0.263	0.228	0.266	0.252	0.255	5.18
68)		Hexachlorobenzene	0.306	0.306	0.305	0.300	0.273	0.319	0.296	0.301	4.74
69)		Atrazine	0.215	0.211	0.215	0.206	0.180	0.210	0.196	0.205	6.26
70)	C	Pentachlorophenol		0.135	0.144	0.156	0.137	0.162	0.165	0.150	8.76
71)		Phenanthrene	1.103	1.042	0.986	1.009	0.892	1.003	0.937	0.996	6.87
72)		Anthracene	1.120	1.059	1.027	1.022	0.897	1.027	0.936	1.013	7.37
73)		Carbazole	0.938	0.917	0.882	0.878	0.762	0.854	0.794	0.861	7.36
74)		Di-n-butylphth...	1.075	1.101	1.077	1.070	0.917	1.059	0.986	1.041	6.27
75)	C	Fluoranthene	1.117	1.066	1.053	1.054	0.910	1.043	0.958	1.029	6.84
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.707	0.519	0.624	0.512	0.635	0.553	0.592	12.98
78)		Pyrene	1.763	1.745	1.631	1.704	1.372	1.569	1.504	1.613	8.79
79)	S	Terphenyl-d14	1.403	1.415	1.274	1.317	1.042	1.208	1.155	1.259	10.71
80)		Butylbenzylpht...	0.565	0.590	0.550	0.590	0.499	0.570	0.549	0.559	5.60
81)		Benzo(a)anthra...	1.455	1.340	1.330	1.430	1.290	1.493	1.366	1.386	5.37
82)		3,3'-Dichlorob...		0.453	0.461	0.482	0.441	0.532	0.481	0.475	6.77
83)		Chrysene	1.276	1.245	1.279	1.403	1.164	1.326	1.263	1.280	5.72
84)		Bis(2-ethylhex...	0.773	0.739	0.755	0.816	0.705	0.803	0.764	0.765	4.92
85)	c	Di-n-octyl pht...		1.163	1.272	1.410	1.269	1.442	1.364	1.320	7.91

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110525.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.450	1.411	1.447	1.485	1.311	1.521	1.425	1.436	4.62
88)		Benzo(b)fluora...	1.199	1.133	1.114	1.233	1.002	1.134	1.143	1.137	6.40
89)		Benzo(k)fluora...	1.077	1.094	1.083	1.041	0.999	1.134	1.021	1.064	4.36
90)	C	Benzo(a)pyrene	1.064	1.050	1.058	1.077	0.963	1.103	1.029	1.049	4.23
91)		Dibenzo(a,h)an...	1.155	1.155	1.175	1.198	1.040	1.209	1.138	1.153	4.85
92)		Benzo(g,h,i)pe...	1.095	1.125	1.153	1.191	1.028	1.228	1.150	1.139	5.70

(#) = Out of Range

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG No.: Q3662

Instrument ID: BNA_F Calibration Date/Time: 11/20/2025 12:32

Lab File ID: BF144290.D Init. Calib. Date(s): 11/05/2025 11/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:50 16:49

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.278	1.301		1.8	
Benzaldehyde	0.818	0.977		19.4	
Phenol-d6	1.448	1.429		-1.3	
Phenol	1.769	1.773		0.2	20.0
bis(2-Chloroethyl)ether	1.289	1.313		1.9	
2-Chlorophenol	1.253	1.249		-0.3	
2-Methylphenol	0.997	0.992		-0.5	
2,2-oxybis(1-Chloropropane)	2.374	2.385		0.5	
Acetophenone	0.429	0.406		-5.4	
3+4-Methylphenols	1.175	1.129		-3.9	
n-Nitroso-di-n-propylamine	0.953	0.895	0.050	-6.1	
Nitrobenzene-d5	0.346	0.336		-2.9	
Hexachloroethane	0.515	0.517		0.4	
Nitrobenzene	0.376	0.372		-1.1	
Isophorone	0.655	0.641		-2.1	
2-Nitrophenol	0.186	0.189		1.6	20.0
2,4-Dimethylphenol	0.279	0.276		-1.1	
bis(2-Chloroethoxy)methane	0.409	0.403		-1.5	
2,4-Dichlorophenol	0.322	0.313		-2.8	20.0
Naphthalene	0.951	0.914		-3.9	
4-Chloroaniline	0.347	0.336		-3.2	
Hexachlorobutadiene	0.249	0.238		-4.4	20.0
Caprolactam	0.088	0.083		-5.7	
4-Chloro-3-methylphenol	0.288	0.272		-5.6	20.0
2-Methylnaphthalene	0.636	0.611		-3.9	
Hexachlorocyclopentadiene	0.195	0.183	0.050	-6.2	
2,4,6-Trichlorophenol	0.446	0.443		-0.7	20.0
2-Fluorobiphenyl	1.354	1.285		-5.1	
2,4,5-Trichlorophenol	0.481	0.458		-4.8	
1,1-Biphenyl	1.396	1.361		-2.5	
2-Chloronaphthalene	1.191	1.142		-4.1	
2-Nitroaniline	0.344	0.341		-0.9	
Dimethylphthalate	1.325	1.316		-0.7	
Acenaphthylene	1.623	1.561		-3.8	
2,6-Dinitrotoluene	0.268	0.272		1.5	
3-Nitroaniline	0.293	0.297		1.4	
Acenaphthene	1.085	0.997		-8.1	20.0
2,4-Dinitrophenol	0.162	0.224	0.050	38.3	
4-Nitrophenol	0.212	0.233	0.050	9.9	

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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG No.: Q3662

Instrument ID: BNA_F Calibration Date/Time: 11/20/2025 12:32

Lab File ID: BF144290.D Init. Calib. Date(s): 11/05/2025 11/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:50 16:49

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.520	1.446		-4.9	
2,4-Dinitrotoluene	0.359	0.355		-1.1	
Diethylphthalate	1.221	1.197		-2.0	
4-Chlorophenyl-phenylether	0.658	0.620		-5.8	
Fluorene	1.156	1.112		-3.8	
4-Nitroaniline	0.279	0.271		-2.9	
4,6-Dinitro-2-methylphenol	0.136	0.129		-5.1	
n-Nitrosodiphenylamine	0.643	0.660		2.6	20.0
2,4,6-Tribromophenol	0.251	0.225		-10.4	
4-Bromophenyl-phenylether	0.255	0.243		-4.7	
Hexachlorobenzene	0.301	0.276		-8.3	
Atrazine	0.205	0.187		-8.8	
Pentachlorophenol	0.150	0.168		12.0	20.0
Phenanthrene	0.996	0.948		-4.8	
Anthracene	1.013	0.956		-5.6	
Carbazole	0.861	0.809		-6.0	
Di-n-butylphthalate	1.041	1.038		-0.3	
Fluoranthene	1.029	0.928		-9.8	20.0
Pyrene	1.613	1.445		-10.4	
Terphenyl-d14	1.259	1.100		-12.6	
Butylbenzylphthalate	0.559	0.532		-4.8	
3,3-Dichlorobenzidine	0.475	0.464		-2.3	
Benzo(a)anthracene	1.386	1.387		0.1	
Chrysene	1.280	1.240		-3.1	
Bis(2-ethylhexyl)phthalate	0.765	0.747		-2.4	
Di-n-octyl phthalate	1.320	1.354		2.6	20.0
Benzo(b)fluoranthene	1.137	1.266		11.3	
Benzo(k)fluoranthene	1.064	0.991		-6.9	
Benzo(a)pyrene	1.049	1.038		-1.0	20.0
Indeno(1,2,3-cd)pyrene	1.436	1.199		-16.5	
Dibenzo(a,h)anthracene	1.153	0.976		-15.4	
Benzo(g,h,i)perylene	1.139	0.918		-19.4	
1,2,4,5-Tetrachlorobenzene	0.655	0.655		0.0	
1,4-Dioxane	0.528	0.564		6.8	20.0
2,3,4,6-Tetrachlorophenol	0.340	0.322		-5.3	

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
Data File : BF144302.D
Acq On : 20 Nov 2025 18:56
Operator : RC/JU
Sample : Q3662-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B3-0.0-1.0-20251117

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025

Quant Time: Nov 20 23:59:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	46510	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	165994	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	89354	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	158933	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	137554	20.000	ng	-0.01
86) Perylene-d12	15.521	264	110506	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	249067	83.801	ng	0.00
7) Phenol-d6	6.492	99	279004	82.848	ng	0.00
23) Nitrobenzene-d5	7.422	82	169804	59.081	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	89450	79.774	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	351619	58.119	ng	-0.01
79) Terphenyl-d14	12.980	244	411215	47.485	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	19069	2.410	ng	97
75) Fluoranthene	12.610	202	55313	6.767	ng	98
78) Pyrene	12.839	202	53335	4.809	ng	97
81) Benzo(a)anthracene	14.027	228	28902	3.032	ng	97
83) Chrysene	14.063	228	26105m	2.966	ng	
88) Benzo(b)fluoranthene	15.086	252	26983m	4.295	ng	
90) Benzo(a)pyrene	15.457	252	18966	3.272	ng	# 93

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

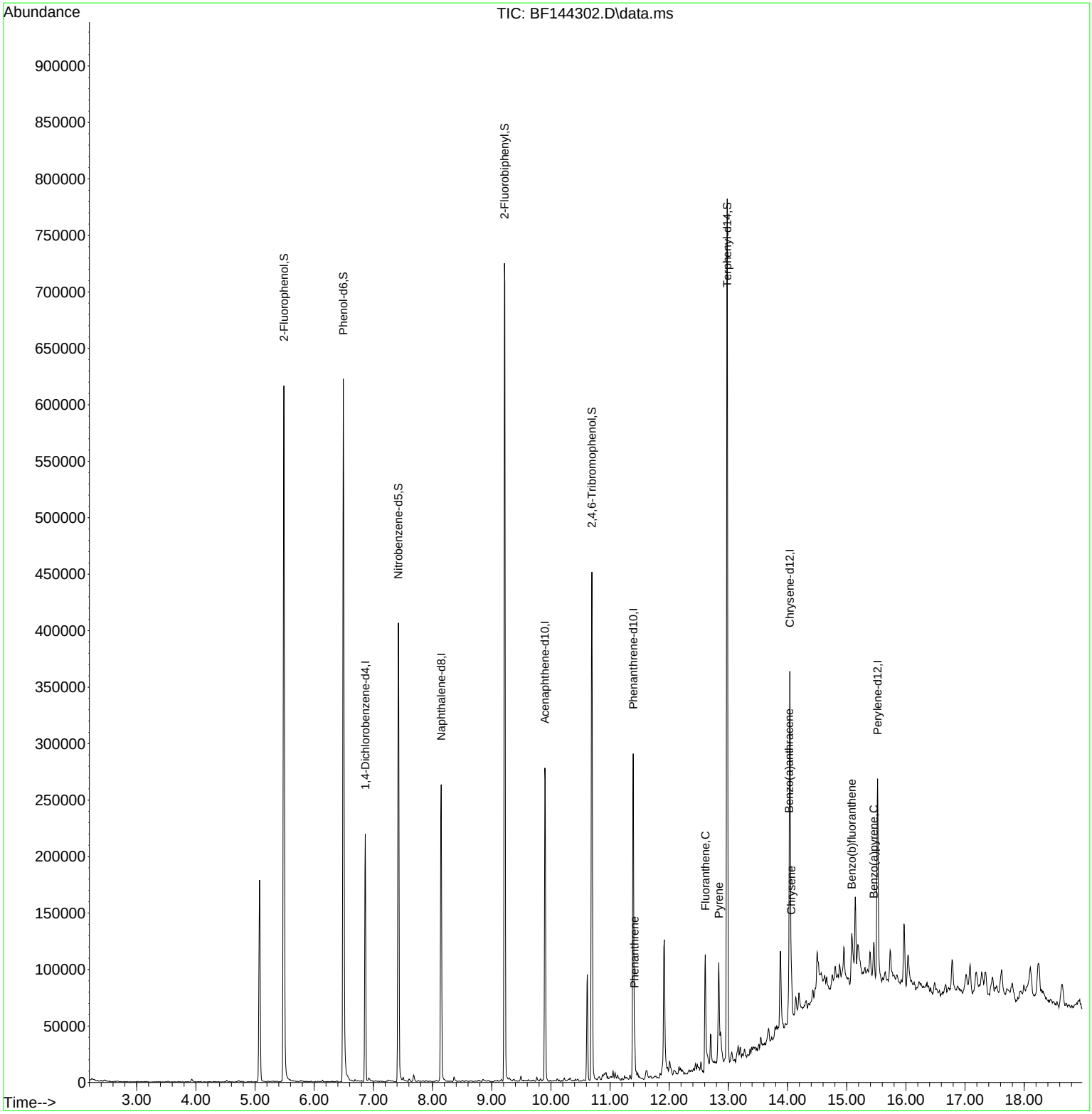
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Data File : BF144302.D
Acq On : 20 Nov 2025 18:56
Operator : RC/JU
Sample : Q3662-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

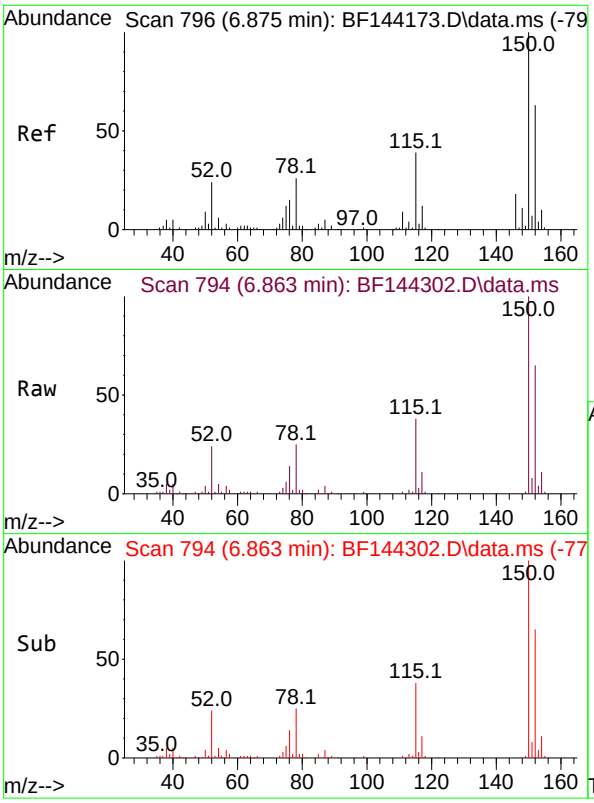
Quant Time: Nov 20 23:59:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B3-0.0-1.0-20251117

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025

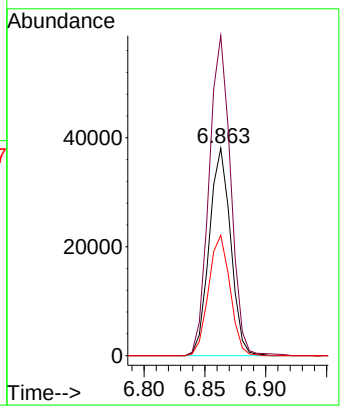




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

Tgt Ion:152 Resp: 4651

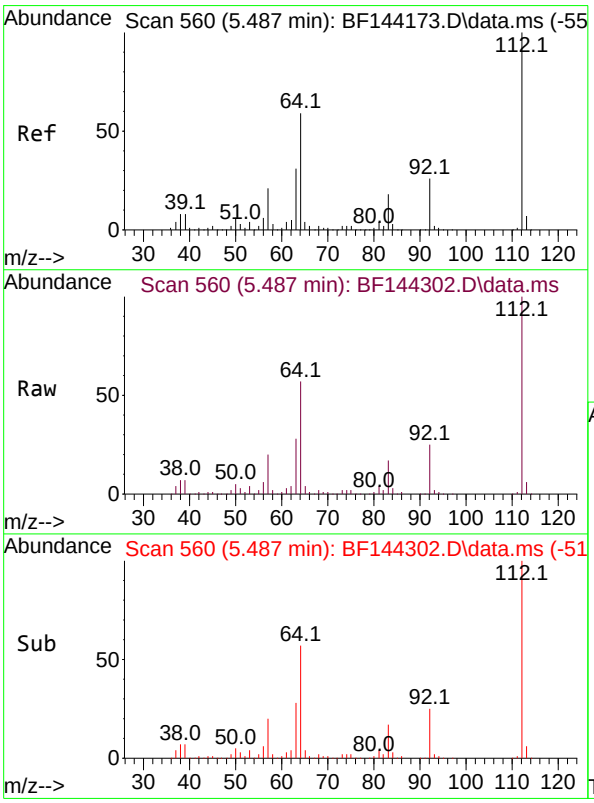
Ion	Ratio	Lower	Upper
152	100		
150	154.3	127.4	191.0
115	58.1	49.5	74.3



Instrument :
BNA_F
ClientSampleId :
B3-0.0-1.0-20251117

Manual Integrations
APPROVED

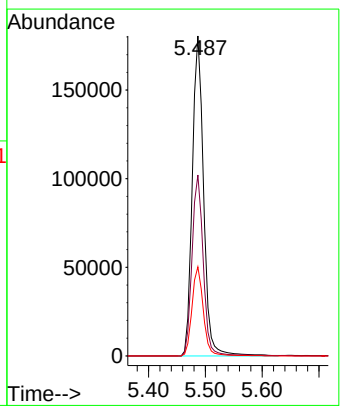
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025

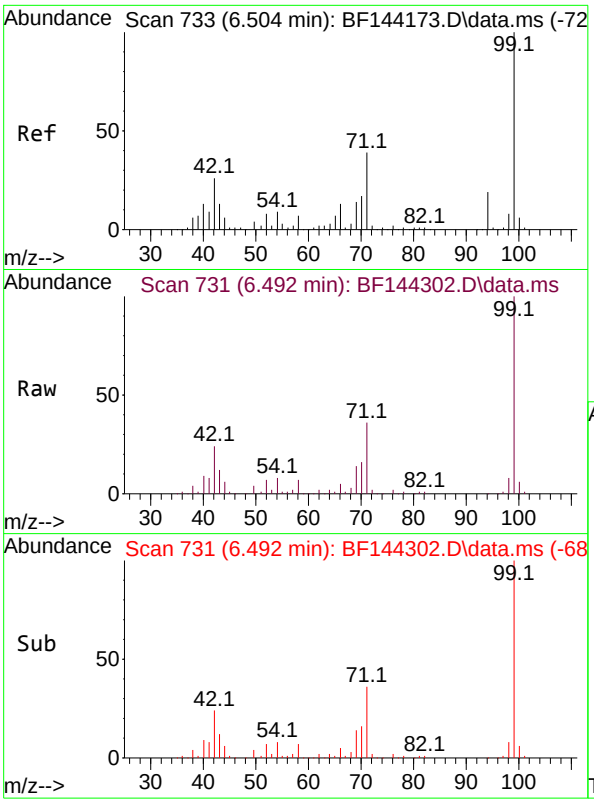


#5
2-Fluorophenol
Concen: 83.801 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

Tgt Ion:112 Resp: 249067

Ion	Ratio	Lower	Upper
112	100		
64	56.5	47.2	70.8
63	27.8	24.4	36.6

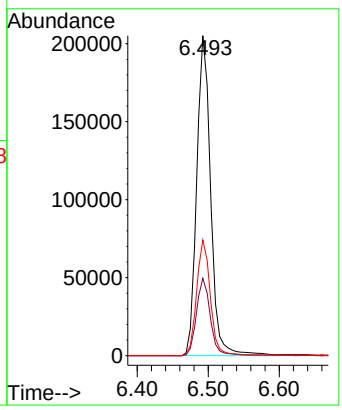




#7
Phenol-d6
Concen: 82.848 ng
RT: 6.492 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

Tgt Ion: 99 Resp: 27900

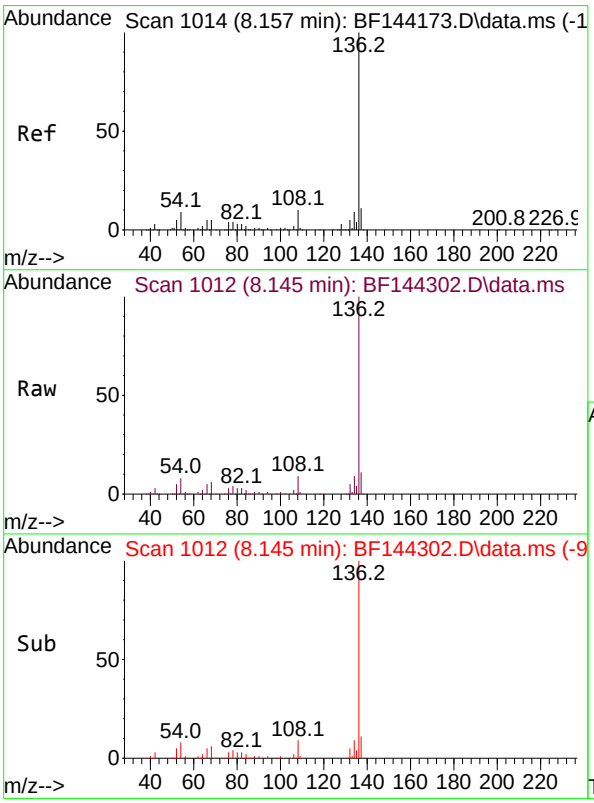
Ion	Ratio	Lower	Upper
99	100		
42	24.2	20.9	31.3
71	36.1	31.4	47.2



Instrument :
BNA_F
ClientSampleId :
B3-0.0-1.0-20251117

Manual Integrations
APPROVED

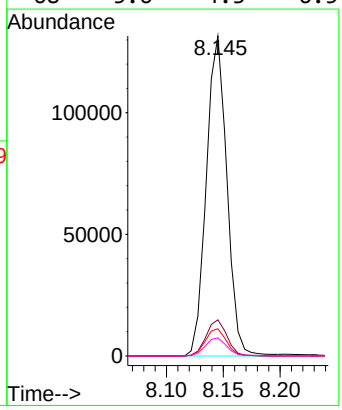
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025

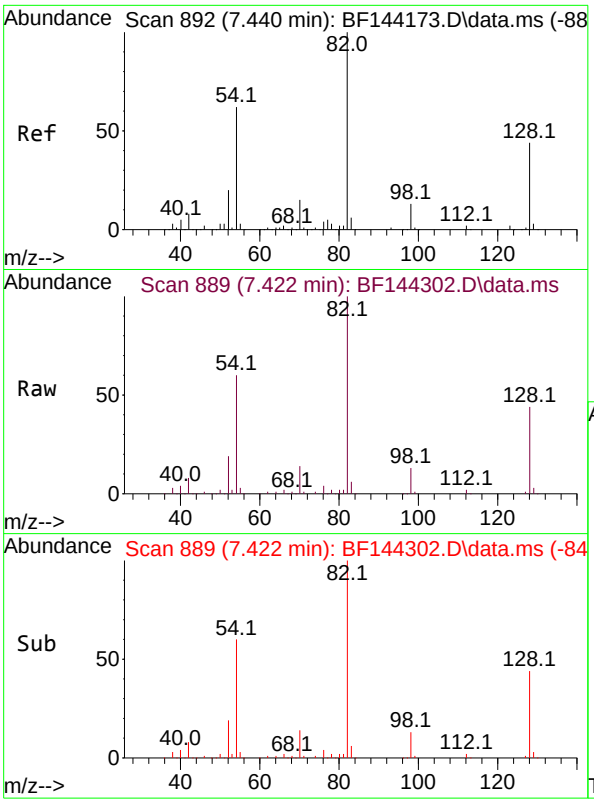


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

Tgt Ion:136 Resp: 165994

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	13.0
54	8.5	7.0	10.6
68	5.6	4.3	6.5

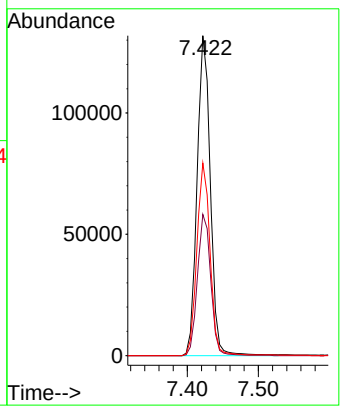




#23
Nitrobenzene-d5
Concen: 59.081 ng
RT: 7.422 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

Tgt Ion: 82 Resp: 16980

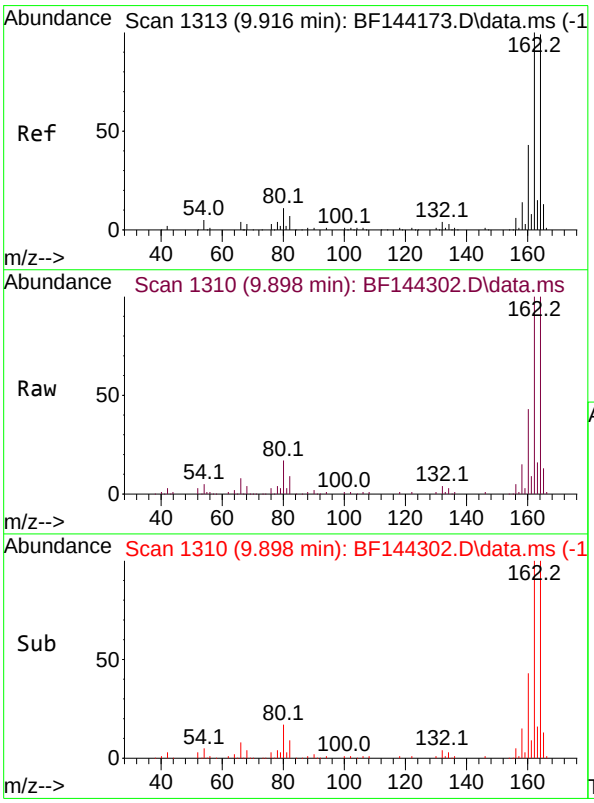
Ion	Ratio	Lower	Upper
82	100		
128	44.1	34.7	52.1
54	60.2	49.5	74.3



Instrument :
BNA_F
ClientSampleId :
B3-0.0-1.0-20251117

Manual Integrations
APPROVED

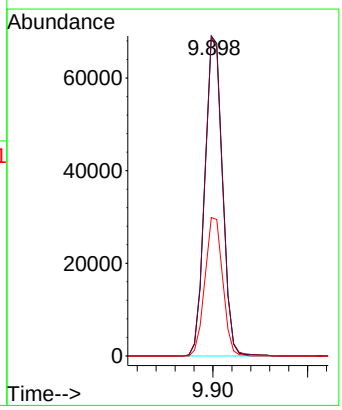
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025

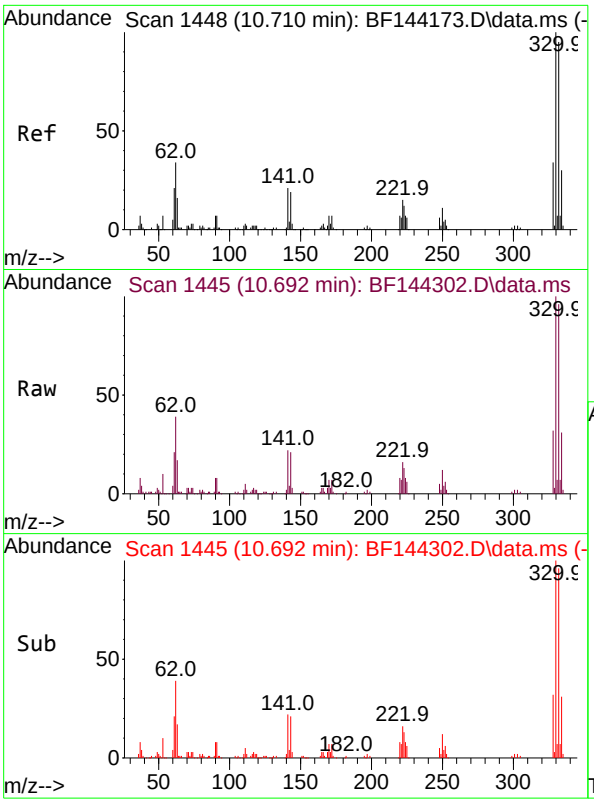


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.018 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

Tgt Ion:164 Resp: 89354

Ion	Ratio	Lower	Upper
164	100		
162	99.7	81.1	121.7
160	43.2	34.5	51.7

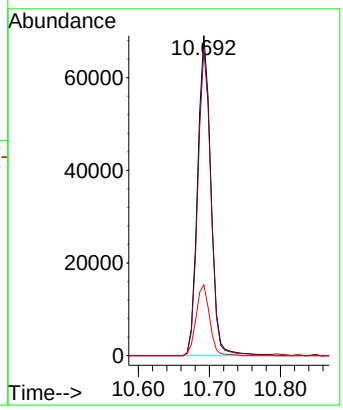




#42
2,4,6-Tribromophenol
Concen: 79.774 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

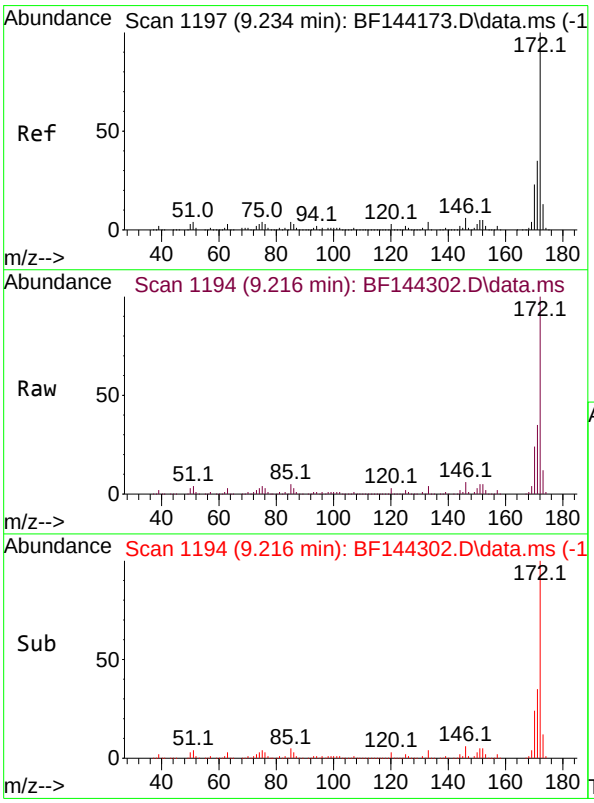
Tgt Ion:330 Resp: 8945

Ion	Ratio	Lower	Upper
330	100		
332	94.7	76.7	115.1
141	22.4	17.8	26.8



Instrument :
BNA_F
ClientSampleId :
B3-0.0-1.0-20251117

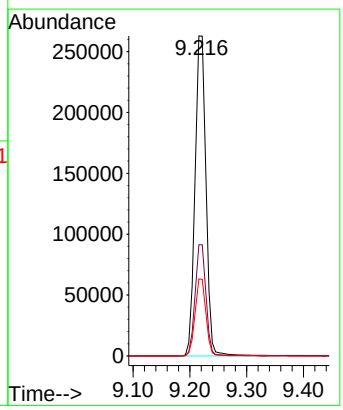
Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025

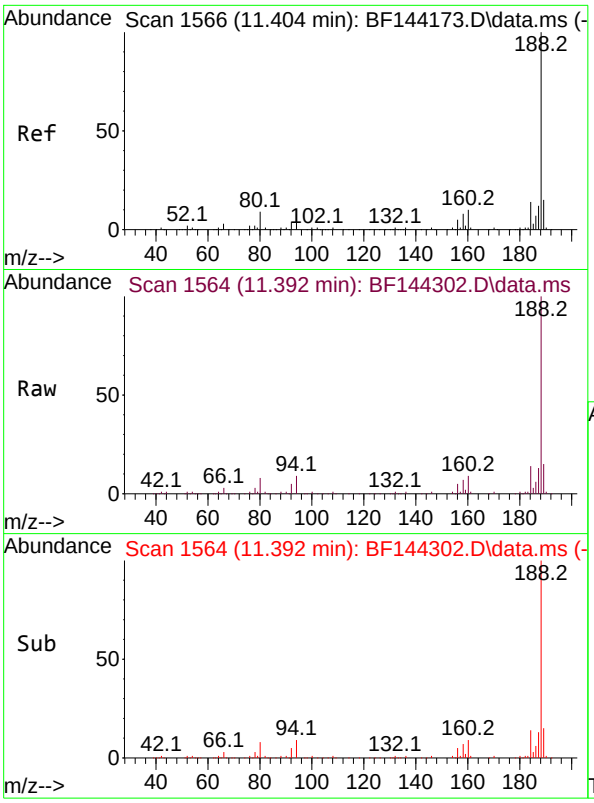


#45
2-Fluorobiphenyl
Concen: 58.119 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

Tgt Ion:172 Resp: 351619

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.1	42.1
170	24.0	18.6	28.0

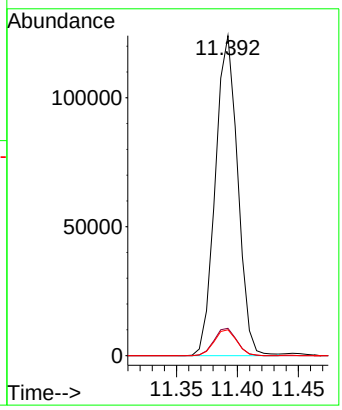




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

Tgt Ion:188 Resp: 15893

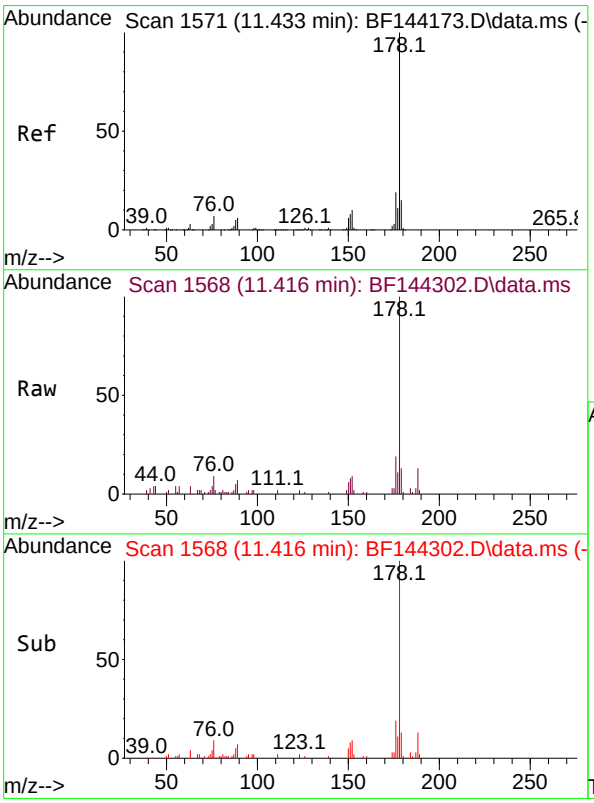
Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.2	9.2
80	8.1	6.9	10.3



Instrument :
BNA_F
ClientSampleId :
B3-0.0-1.0-20251117

Manual Integrations
APPROVED

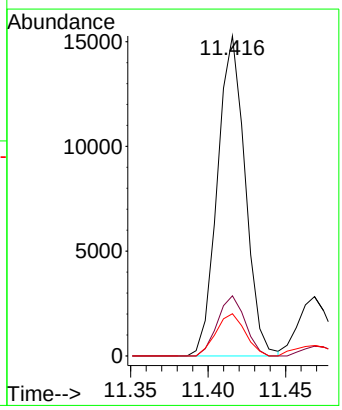
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025

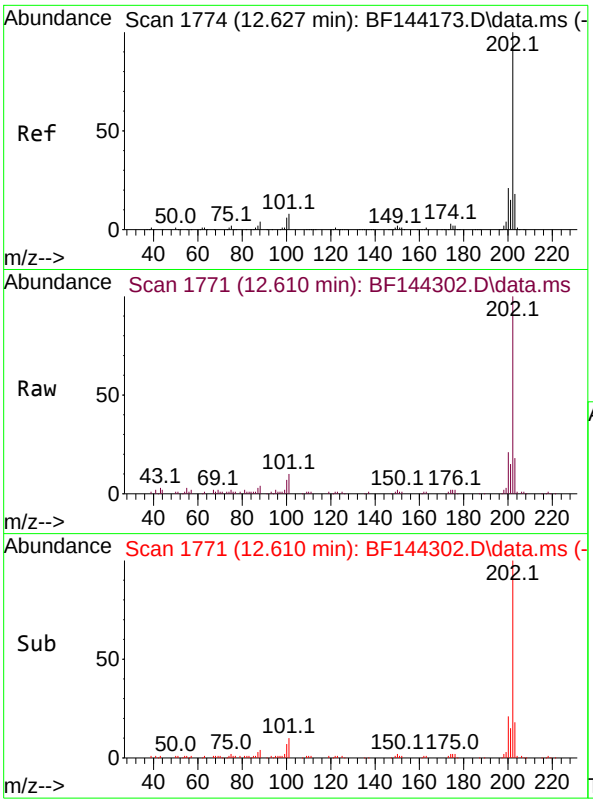


#71
Phenanthrene
Concen: 2.410 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

Tgt Ion:178 Resp: 19069

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.5	23.3
179	13.2	12.2	18.4

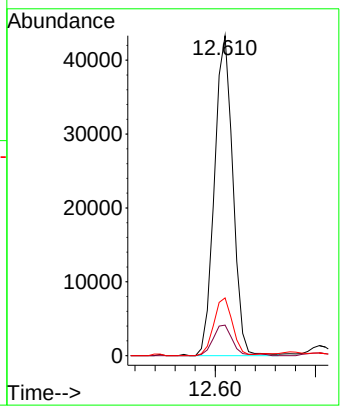




#75
Fluoranthene
Concen: 6.767 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

Tgt Ion:202 Resp: 5531

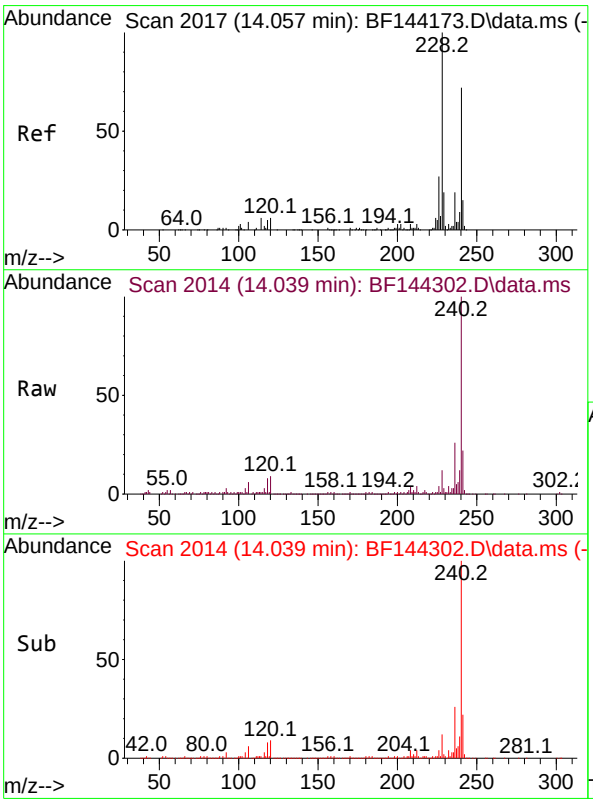
Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	27.9
203	18.0	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
B3-0.0-1.0-20251117

Manual Integrations APPROVED

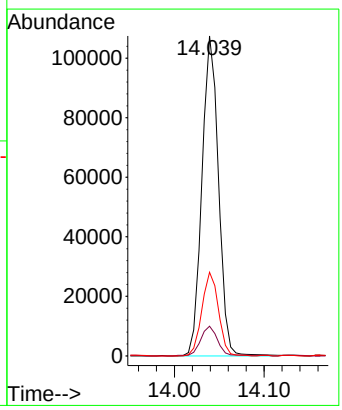
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025

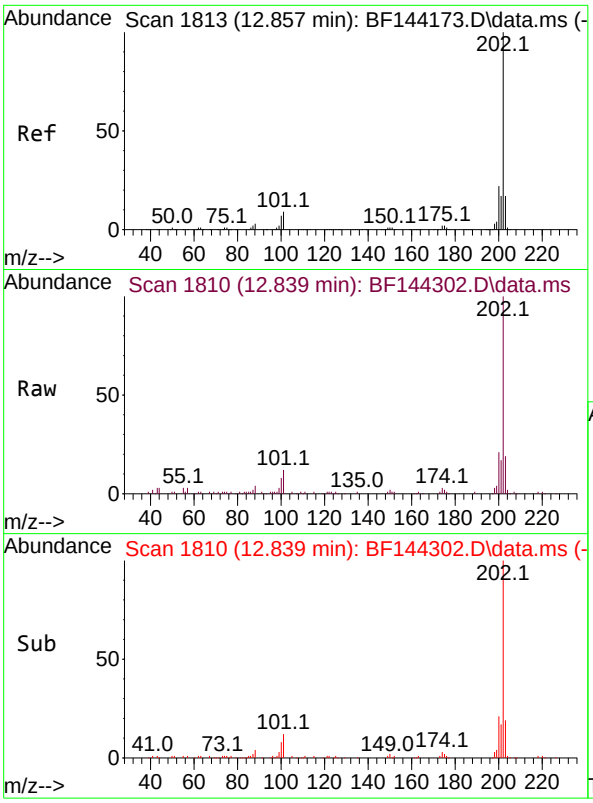


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

Tgt Ion:240 Resp: 137554

Ion	Ratio	Lower	Upper
240	100		
120	9.3	6.6	10.0
236	26.1	21.4	32.2

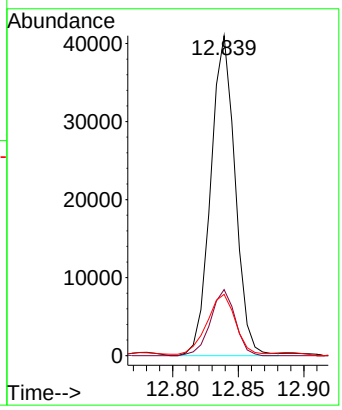




#78
Pyrene
Concen: 4.809 ng
RT: 12.839 min Scan# 18
Delta R.T. -0.012 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

Tgt Ion:202 Resp: 5333

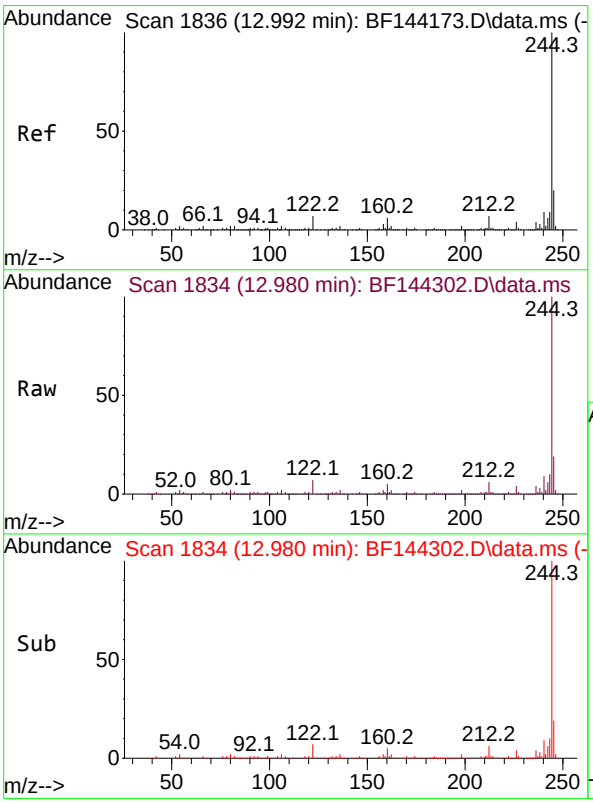
Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.2	25.8
203	19.1	13.7	20.5



Instrument :
BNA_F
ClientSampleId :
B3-0.0-1.0-20251117

Manual Integrations
APPROVED

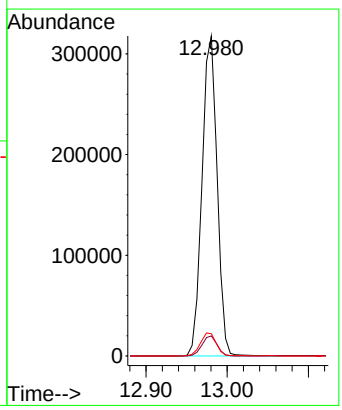
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025

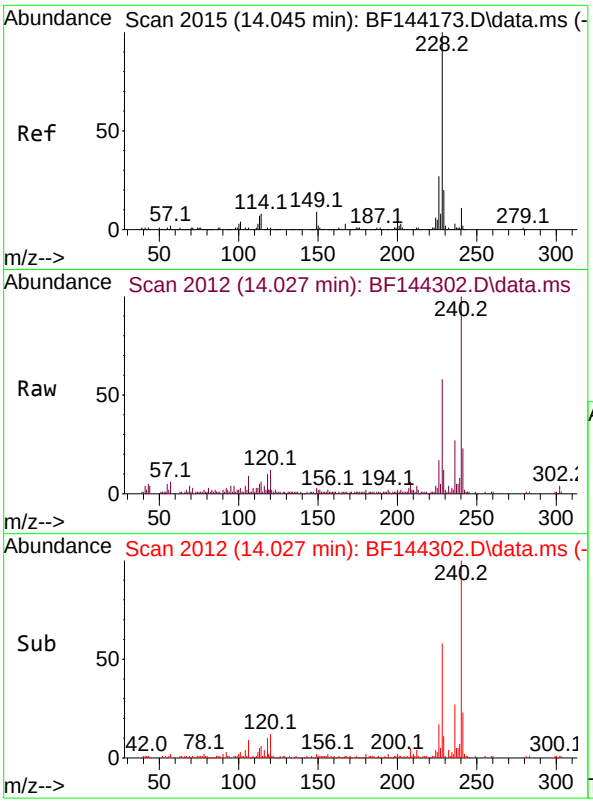


#79
Terphenyl-d14
Concen: 47.485 ng
RT: 12.980 min Scan# 1834
Delta R.T. -0.012 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

Tgt Ion:244 Resp: 411215

Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.3	7.9
122	6.9	5.6	8.4

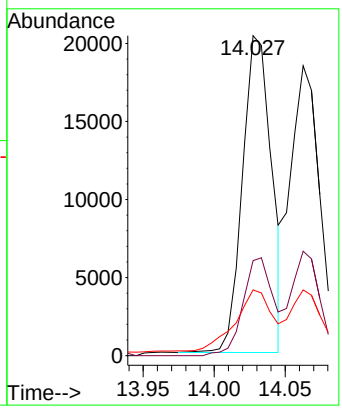




#81
Benzo(a)anthracene
Concen: 3.032 ng
RT: 14.027 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

Tgt Ion:228 Resp: 2890

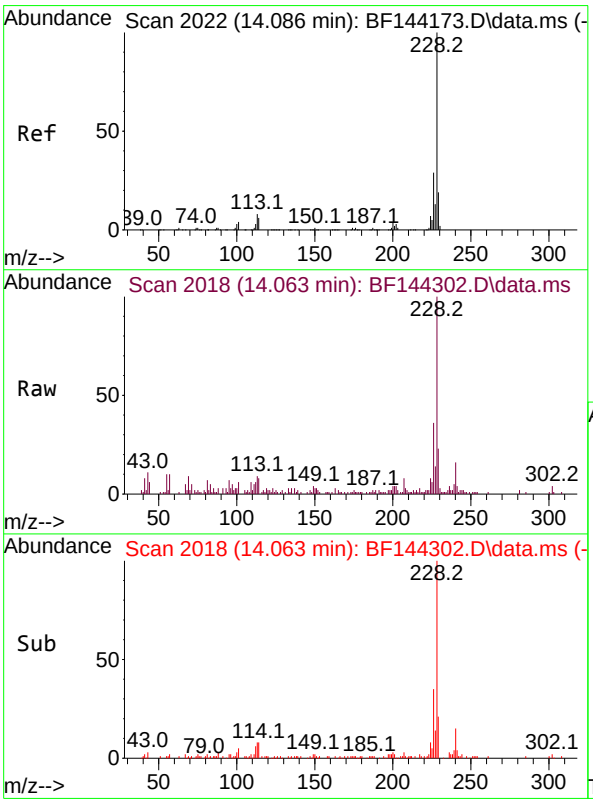
Ion	Ratio	Lower	Upper
228	100		
226	29.7	21.8	32.8
229	20.5	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
B3-0.0-1.0-20251117

Manual Integrations APPROVED

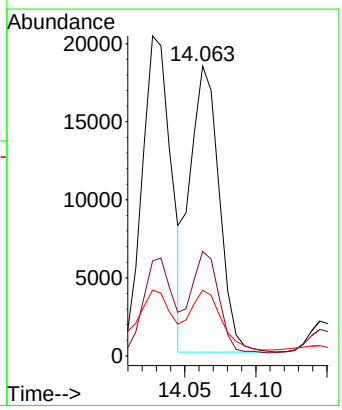
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025

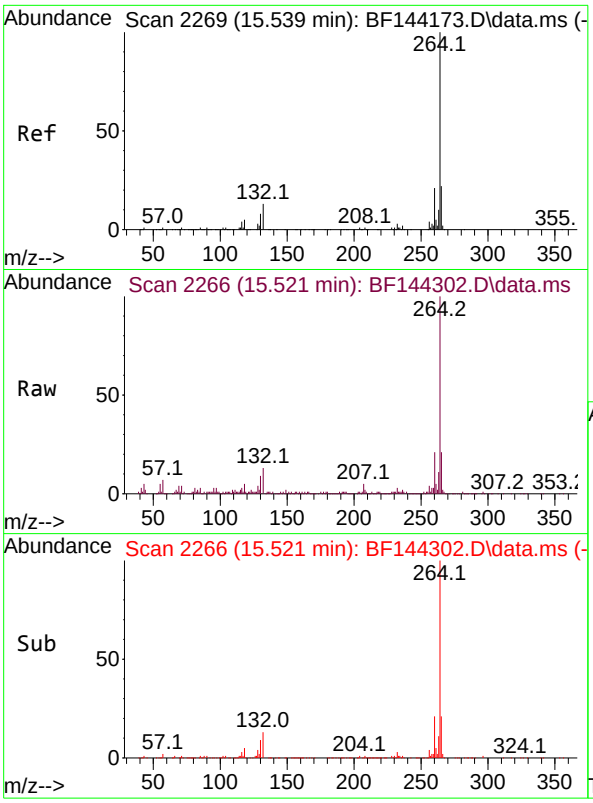


#83
Chrysene
Concen: 2.966 ng m
RT: 14.063 min Scan# 2018
Delta R.T. -0.018 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

Tgt Ion:228 Resp: 26105

Ion	Ratio	Lower	Upper
228	100		
226	36.0	22.9	34.3#
229	22.7	15.0	22.6#

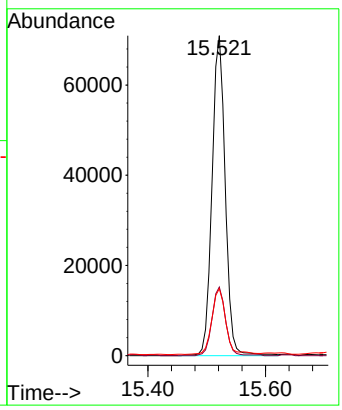




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

Tgt Ion:264 Resp: 110506

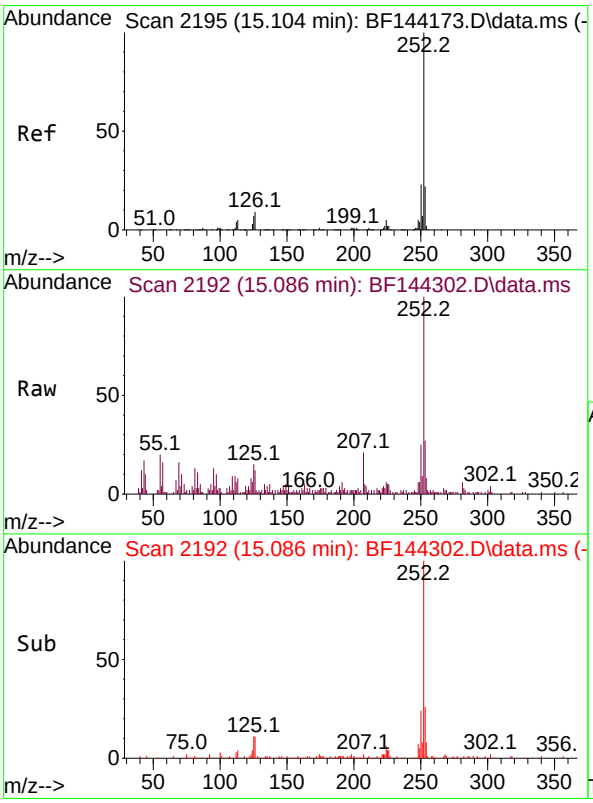
Ion	Ratio	Lower	Upper
264	100		
260	21.4	17.1	25.7
265	20.9	17.4	26.0



Instrument :
BNA_F
ClientSampleId :
B3-0.0-1.0-20251117

Manual Integrations
APPROVED

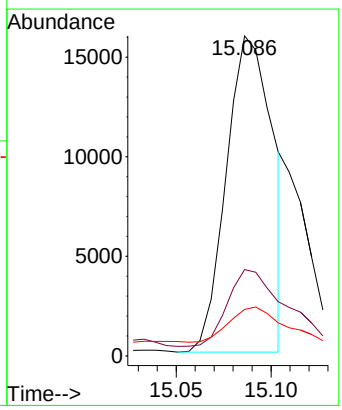
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025

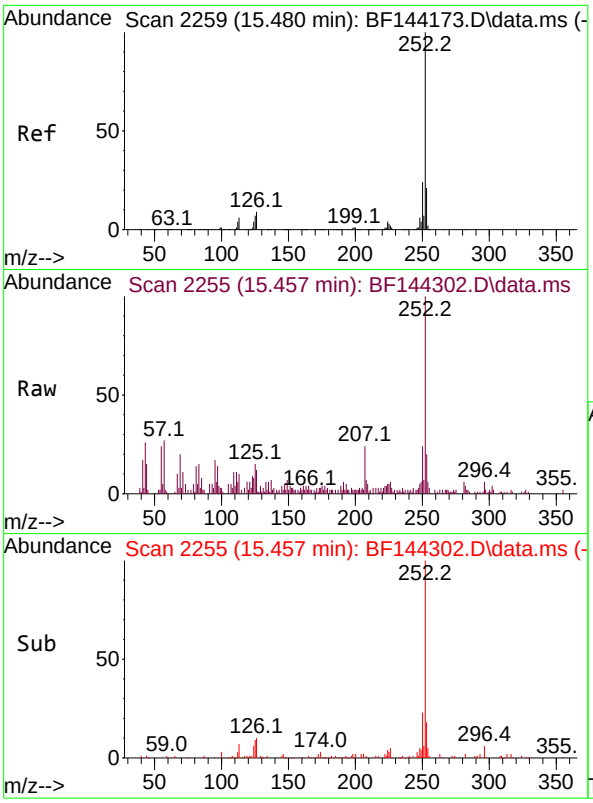


#88
Benzo(b)fluoranthene
Concen: 4.295 ng m
RT: 15.086 min Scan# 2192
Delta R.T. -0.012 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

Tgt Ion:252 Resp: 26983

Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.4	26.2#
125	14.5	5.3	7.9#

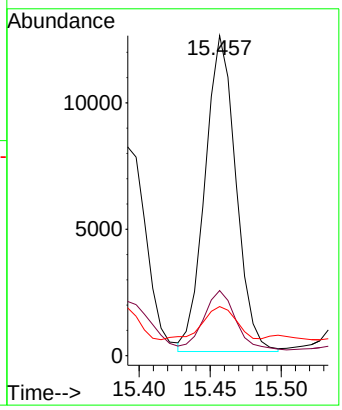




#90
Benzo(a)pyrene
Concen: 3.272 ng
RT: 15.457 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

Tgt Ion:252 Resp: 1896

Ion	Ratio	Lower	Upper
252	100		
253	20.3	16.7	25.1
125	15.4	5.7	8.5#



Instrument :
BNA_F
ClientSampleId :
B3-0.0-1.0-20251117

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025

Sample Results: **BF144302.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
Data File : BF144302.D
Acq On : 20 Nov 2025 18:56
Operator : RC/JU
Sample : Q3662-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B3-0.0-1.0-20251117

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:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF144302.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.075	482	490	502	rBV	178624	259288	25.47%	3.059%
2	5.487	555	560	577	rBV	615413	834531	81.99%	9.846%
3	6.493	726	731	750	rBV	622296	861715	84.66%	10.167%
4	6.863	789	794	799	rBV	219113	267112	26.24%	3.151%
5	7.422	884	889	900	rBV	405960	522578	51.34%	6.165%
6	8.145	1007	1012	1021	rBV	261911	329932	32.42%	3.893%
7	9.216	1189	1194	1204	rBV	724190	942004	92.55%	11.114%
8	9.898	1305	1310	1322	rVB	277614	359734	35.34%	4.244%
9	10.616	1427	1432	1440	rBV	93766	117286	11.52%	1.384%
10	10.692	1440	1445	1455	rBV	450081	580127	57.00%	6.844%
11	11.392	1558	1564	1571	rBV	287955	414877	40.76%	4.895%
12	11.616	1596	1602	1608	rBV5	7627	18111	1.78%	0.214%
13	11.916	1644	1653	1661	rBV2	119957	206054	20.24%	2.431%
14	12.010	1665	1669	1677	rVB3	12107	24857	2.44%	0.293%
15	12.533	1755	1758	1763	rVB5	8333	11121	1.09%	0.131%
16	12.610	1766	1771	1782	rBV	104331	179166	17.60%	2.114%
17	12.698	1782	1786	1795	rVV3	26340	43708	4.29%	0.516%
18	12.839	1803	1810	1813	rBV	89032	135585	13.32%	1.600%
19	12.980	1828	1834	1841	rVB	764590	1017832	100.00%	12.008%
20	13.057	1843	1847	1854	rBV5	7705	12003	1.18%	0.142%
21	13.163	1858	1865	1868	rBV2	14363	30695	3.02%	0.362%
22	13.204	1869	1872	1875	rVB3	8802	11320	1.11%	0.134%
23	13.274	1881	1884	1890	rVB2	7067	10369	1.02%	0.122%
24	13.545	1927	1930	1934	rBV5	9390	14077	1.38%	0.166%
25	13.880	1982	1987	1997	rVB2	68184	115890	11.39%	1.367%
26	14.039	2006	2014	2026	rBV2	312403	537200	52.78%	6.338%
27	14.498	2089	2092	2095	rBV	30927	47391	4.66%	0.559%
28	15.086	2188	2192	2198	rBV	41710	89234	8.77%	1.053%
29	15.145	2198	2202	2206	rVB	60758	84163	8.27%	0.993%
30	15.521	2261	2266	2278	rVB	179797	303321	29.80%	3.579%
31	15.968	2338	2342	2348	rVB	55117	94692	9.30%	1.117%

Sum of corrected areas: 8475973

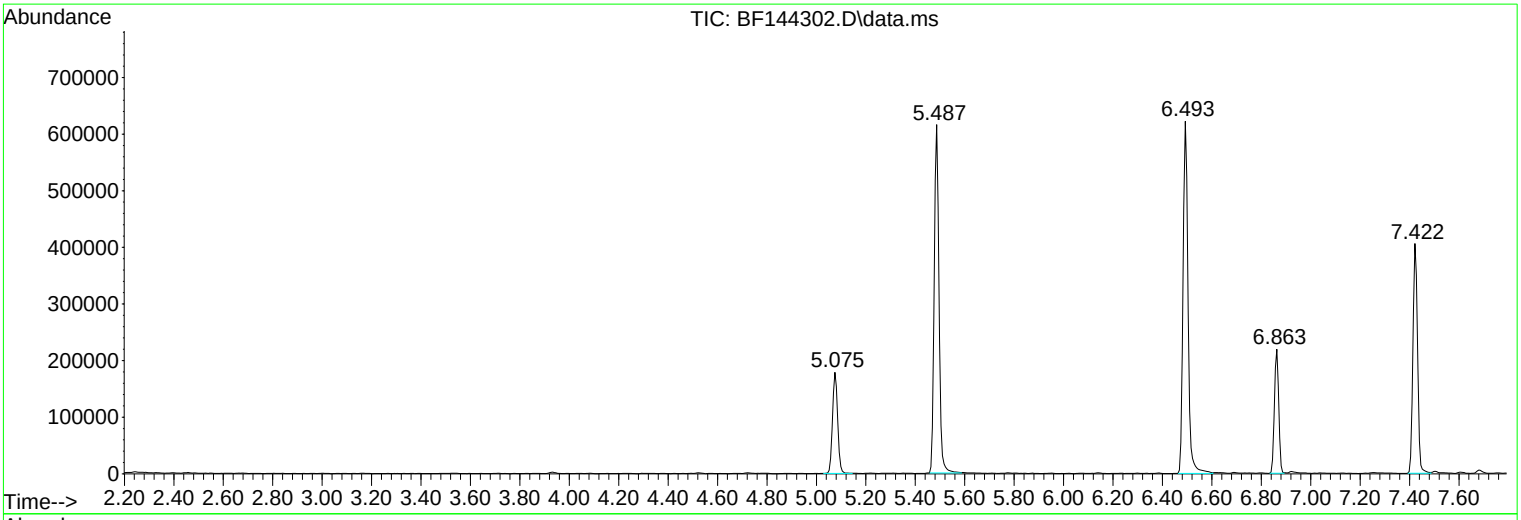
Sample Results: **BF144302.D**

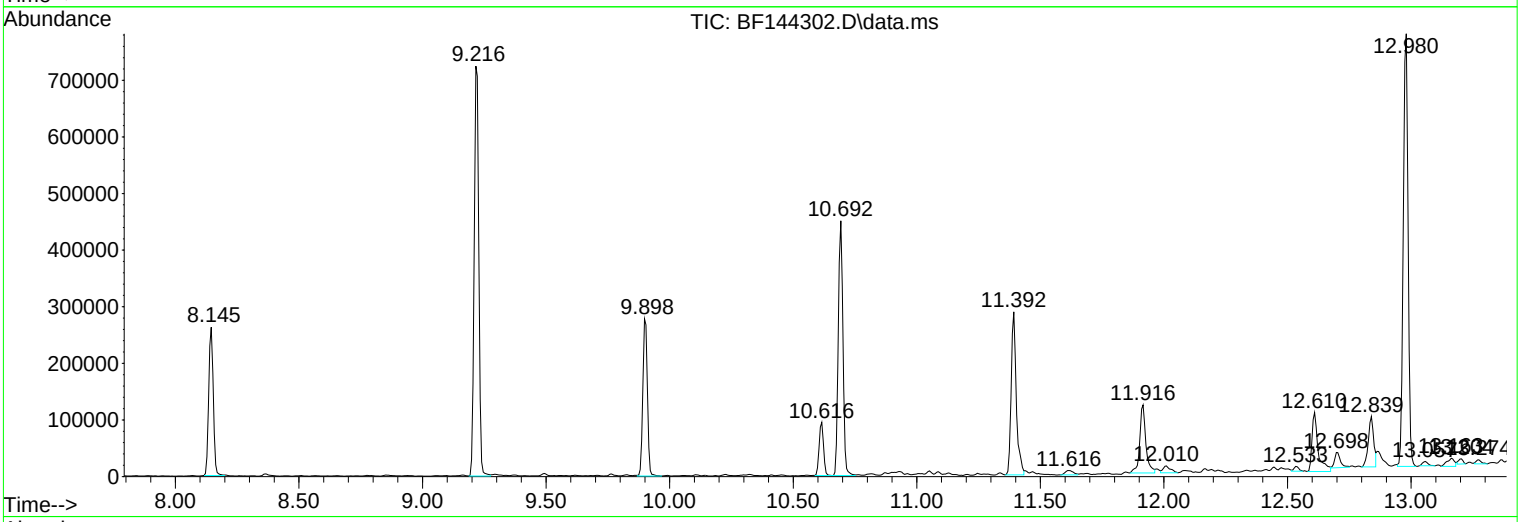
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Data File : BF144302.D
Acq On : 20 Nov 2025 18:56
Operator : RC/JU
Sample : Q3662-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

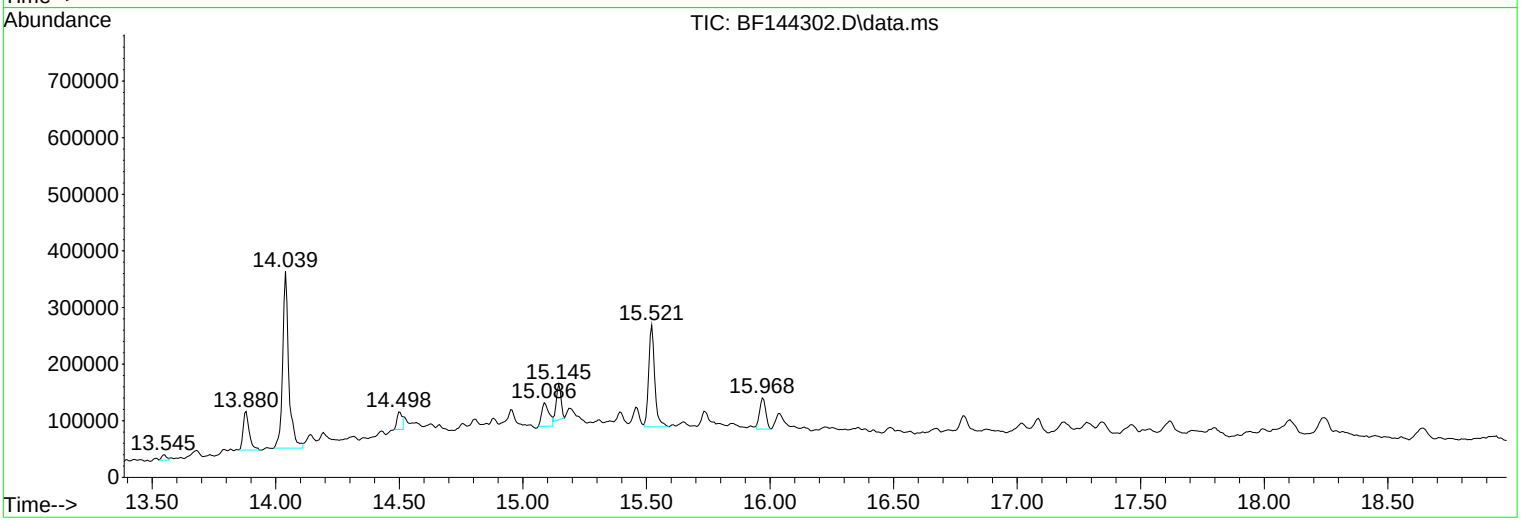
Instrument :
BNA_F
ClientSampleId :
B3-0.0-1.0-20251117

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
Data File : BF144302.D
Acq On : 20 Nov 2025 18:56
Operator : RC/JU
Sample : Q3662-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B3-0.0-1.0-20251117

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

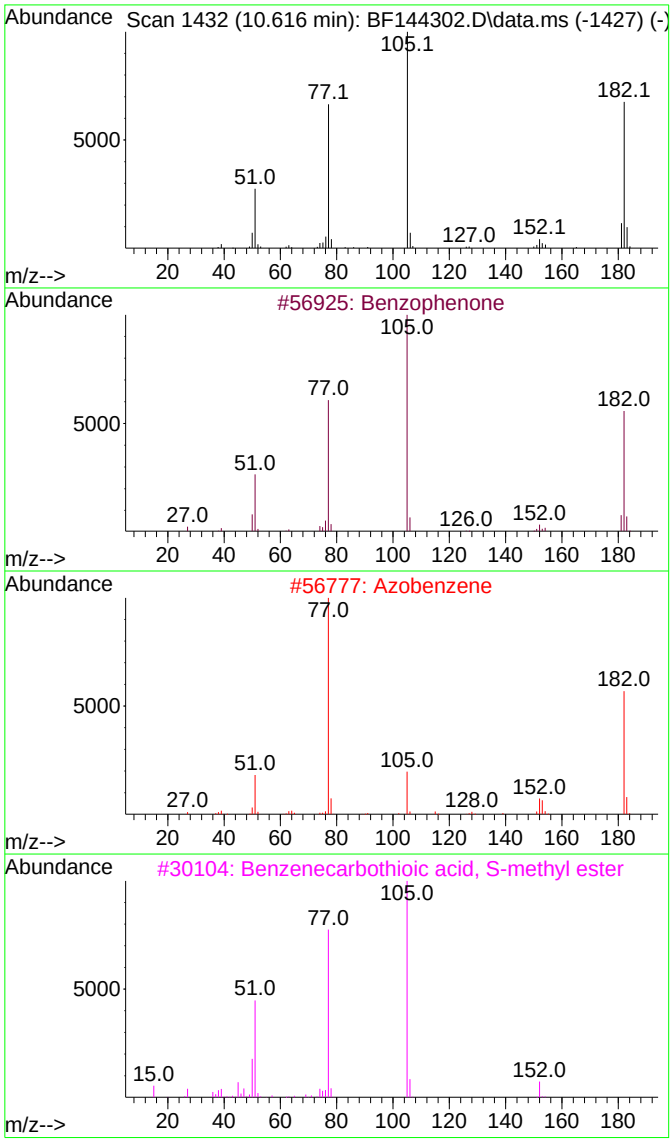
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TIC Integration Parameters: LSCINT.P

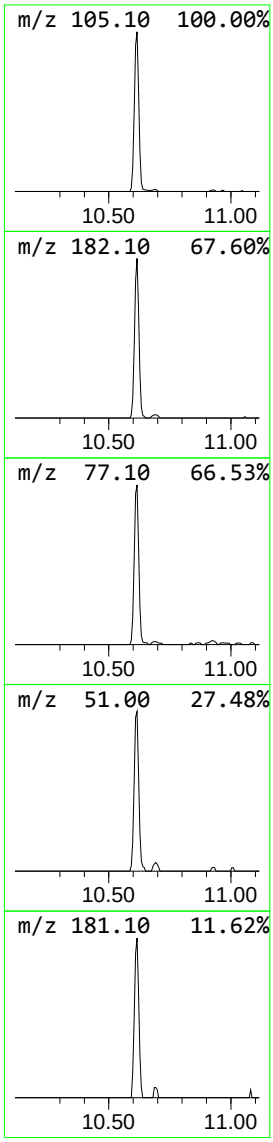
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Peak Number 2 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	6.52 ng	117286	Acenaphthene-d10	9.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene	182	C12H10N2	000103-33-3	47
3	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	43
4	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	43
5	Benzoyl isothiocyanate	163	C8H5NOS	000532-55-8	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
Data File : BF144302.D
Acq On : 20 Nov 2025 18:56
Operator : RC/JU
Sample : Q3662-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B3-0.0-1.0-20251117

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

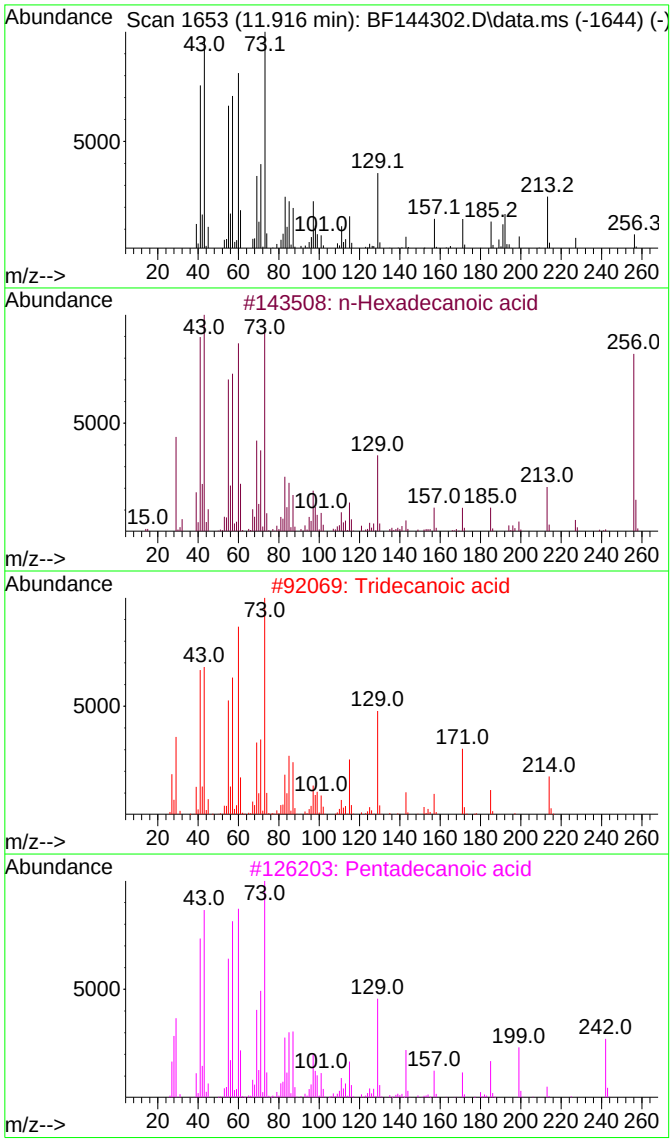
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

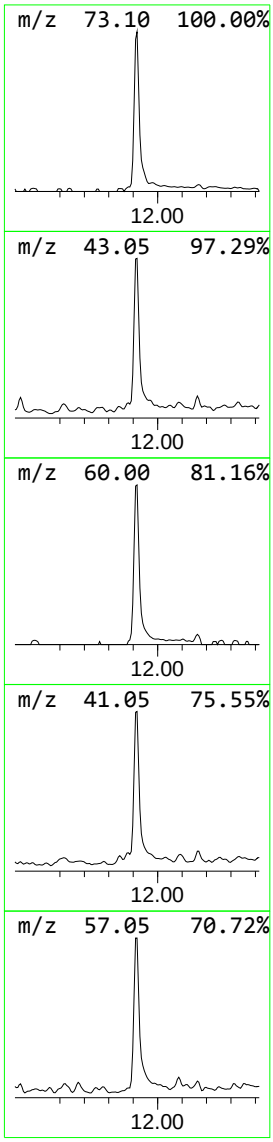
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Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	9.93 ng	206054	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	97
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	68
4	Oxalic acid, allyl hexadecyl ester	354	C21H38O4	1000309-24-4	20
5	1-Dodecanol, 2-octyl-	298	C20H42O	005333-42-6	20





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
Data File : BF144302.D
Acq On : 20 Nov 2025 18:56
Operator : RC/JU
Sample : Q3662-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B3-0.0-1.0-20251117

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

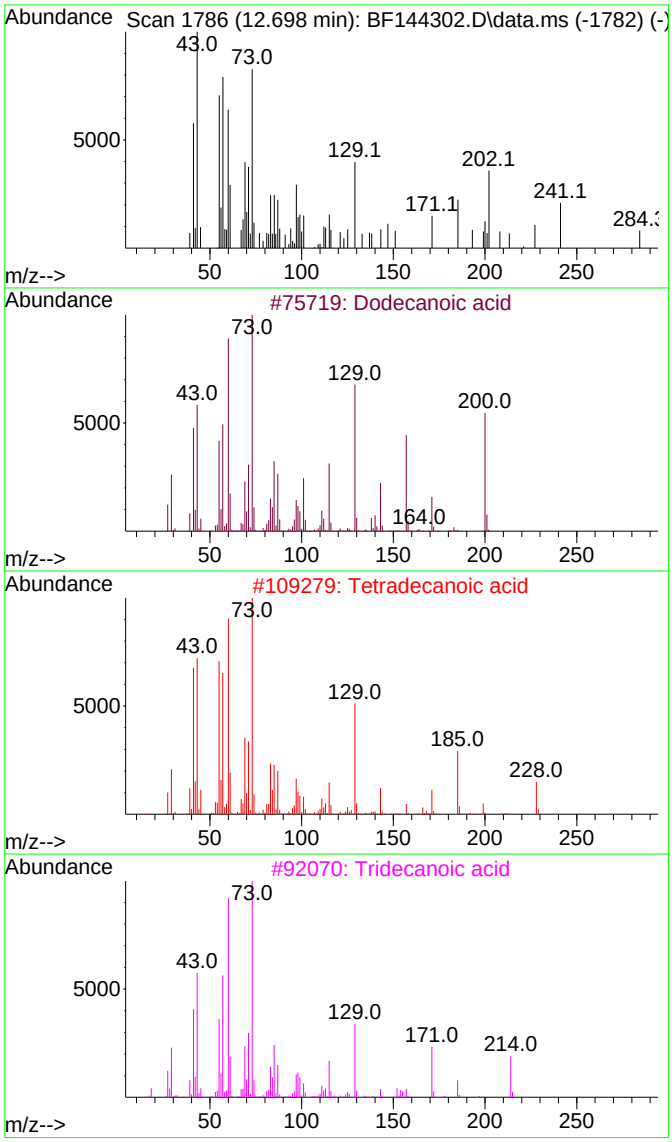
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TIC Integration Parameters: LSCINT.P

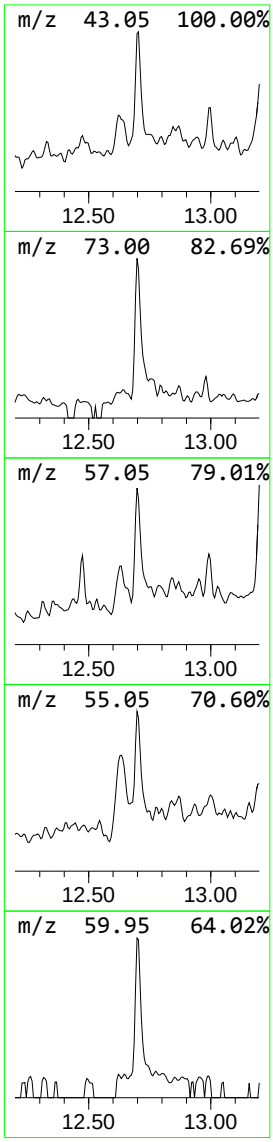
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Peak Number 4 Dodecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.698	2.11 ng	43708	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecanoic acid	200	C12H24O2	000143-07-7	90
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	50
3	Tridecanoic acid	214	C13H26O2	000638-53-9	47
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	43
5	8-Methylnonanoic acid	172	C10H20O2	005963-14-4	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
Data File : BF144302.D
Acq On : 20 Nov 2025 18:56
Operator : RC/JU
Sample : Q3662-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B3-0.0-1.0-20251117

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

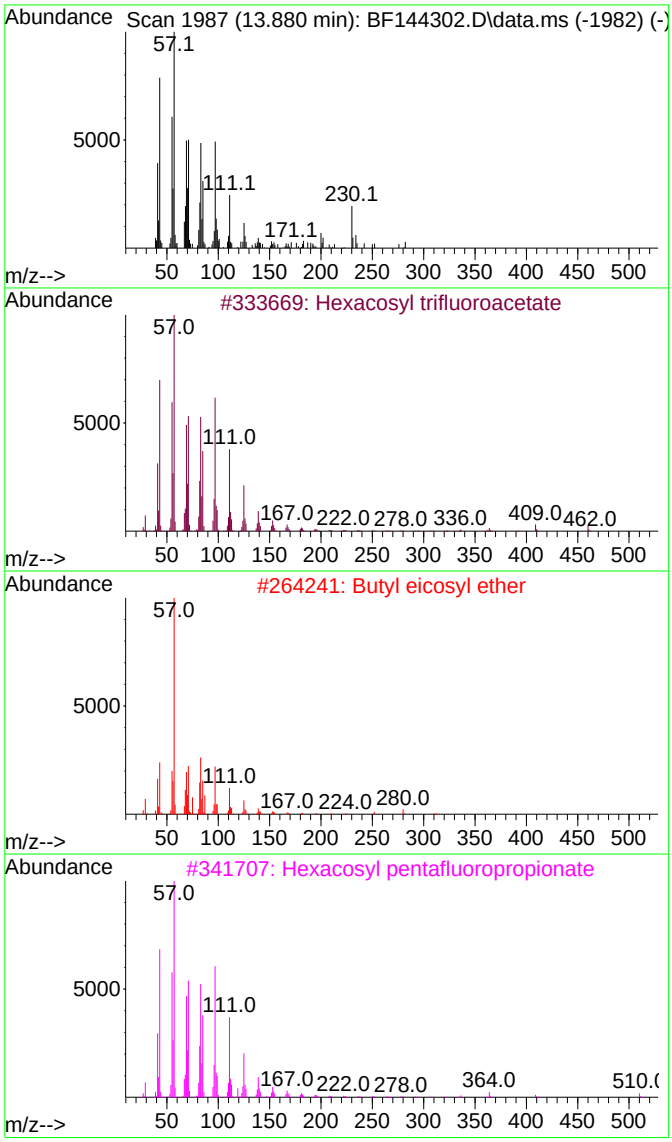
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TIC Integration Parameters: LSCINT.P

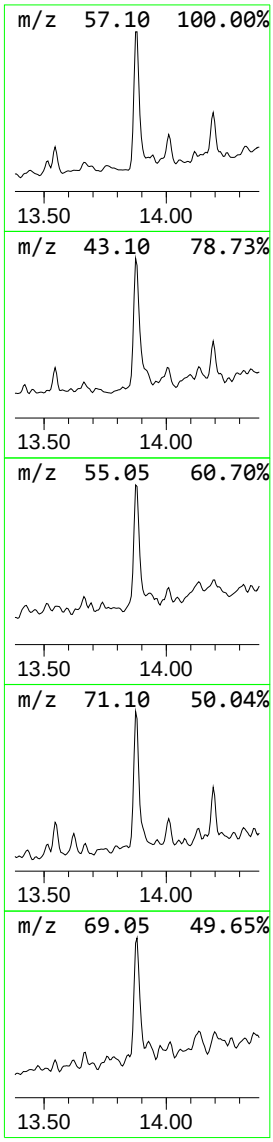
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Peak Number 5 Hexacosyl trifluoroacetate Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.880	4.31 ng	115890	Chrysene-d12	14.039

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosyl trifluoroacetate	478	C28H53F3O2	1000351-75-0	87
2	Butyl eicosyl ether	354	C24H50O	1000406-40-7	87
3	Hexacosyl pentafluoropropionate	528	C29H53F5O2	1000351-81-2	87
4	Butyl docosyl ether	382	C26H54O	1000406-40-8	87
5	Heptacosyl pentafluoropropionate	542	C30H55F5O2	1000351-81-6	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
Data File : BF144302.D
Acq On : 20 Nov 2025 18:56
Operator : RC/JU
Sample : Q3662-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B3-0.0-1.0-20251117

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

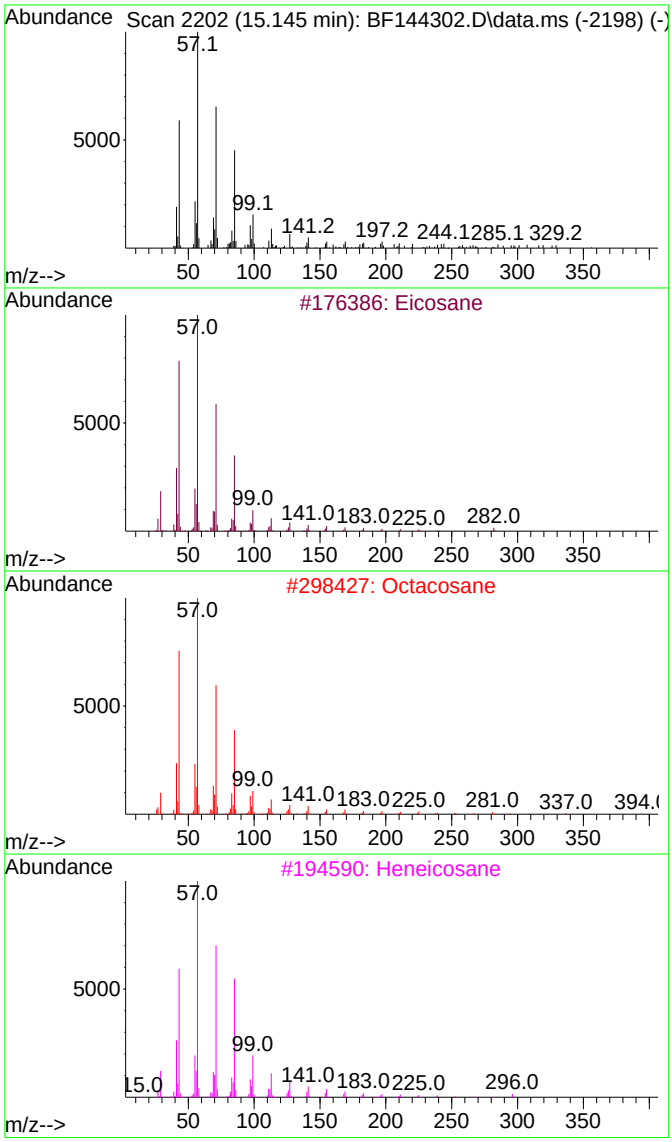
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TIC Integration Parameters: LSCINT.P

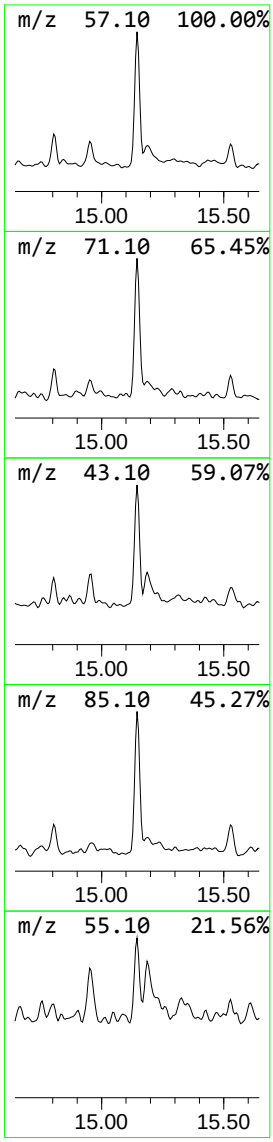
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Peak Number 6 Eicosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.145	5.55 ng	84163	Perylene-d12	15.521

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	93
2	Octacosane	394	C28H58	000630-02-4	90
3	Heneicosane	296	C21H44	000629-94-7	87
4	Docosane, 1-iodo-	436	C22H45I	1000406-31-9	83
5	Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
Data File : BF144302.D
Acq On : 20 Nov 2025 18:56
Operator : RC/JU
Sample : Q3662-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B3-0.0-1.0-20251117

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

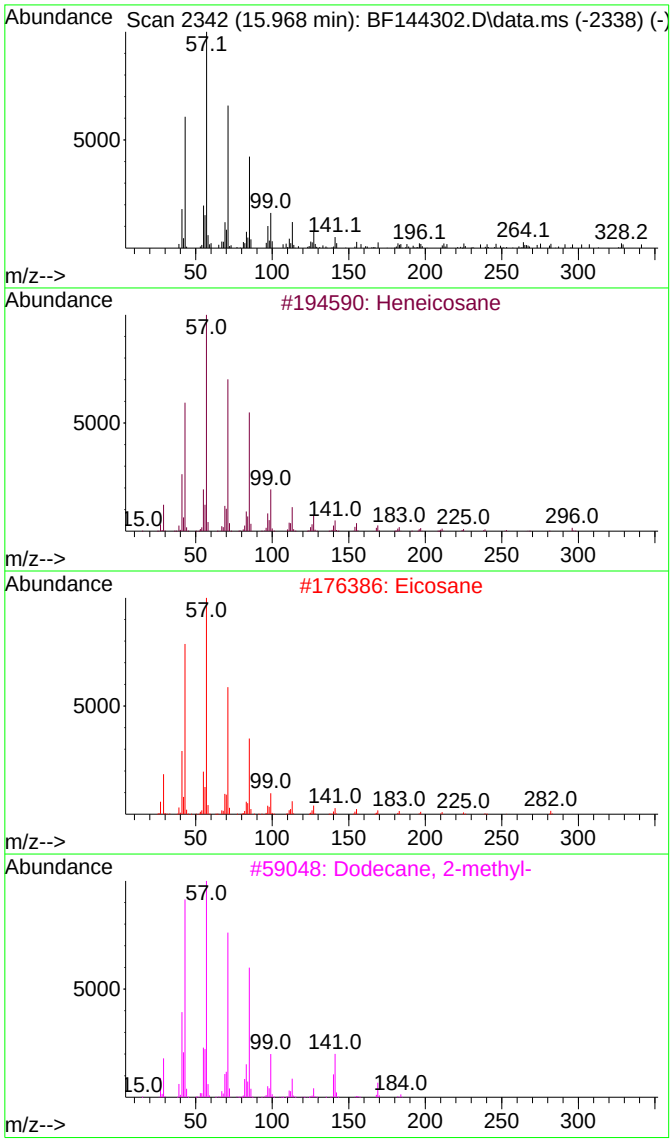
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

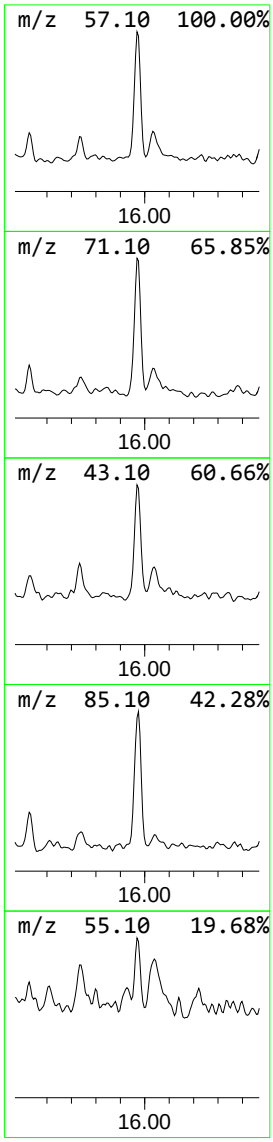
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Peak Number 7 Heneicosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.968	6.24 ng	94692	Perylene-d12	15.521

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	93
2	Eicosane	282	C20H42	000112-95-8	93
3	Dodecane, 2-methyl-	184	C13H28	001560-97-0	90
4	Octacosane	394	C28H58	000630-02-4	90
5	Eicosane, 1-iodo-	408	C20H41I	1000406-31-8	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
Data File : BF144302.D
Acq On : 20 Nov 2025 18:56
Operator : RC/JU
Sample : Q3662-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B3-0.0-1.0-20251117

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzophenone	10.616	6.5	ng	117286	3	9.898	359734	20.0
n-Hexadecanoic ...	11.916	9.9	ng	206054	4	11.392	414877	20.0
Dodecanoic acid	12.698	2.1	ng	43708	4	11.392	414877	20.0
Hexacosyl trifl...	13.880	4.3	ng	115890	5	14.039	537200	20.0
Eicosane	15.145	5.5	ng	84163	6	15.521	303321	20.0
Heneicosane	15.968	6.2	ng	94692	6	15.521	303321	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
Data File : BF144296.D
Acq On : 20 Nov 2025 15:59
Operator : RC/JU
Sample : Q3662-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B1-0.0-1.0-20251117

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025

Quant Time: Nov 20 16:46:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.863	152	39264	20.000	ng		-0.01
21) Naphthalene-d8	8.145	136	131569	20.000	ng		-0.01
39) Acenaphthene-d10	9.898	164	67150	20.000	ng		-0.02
64) Phenanthrene-d10	11.392	188	132298	20.000	ng		-0.01
76) Chrysene-d12	14.039	240	127839	20.000	ng		-0.01
86) Perylene-d12	15.521	264	98400	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	131616	52.456	ng		0.00
7) Phenol-d6	6.493	99	141899	49.912	ng		0.00
23) Nitrobenzene-d5	7.422	82	82868	36.377	ng		-0.01
42) 2,4,6-Tribromophenol	10.692	330	41299	49.011	ng		-0.01
45) 2-Fluorobiphenyl	9.216	172	155815	34.271	ng		-0.01
79) Terphenyl-d14	12.980	244	219505	27.274	ng		-0.01
Target Compounds							Qvalue
49) Acenaphthylene	9.763	152	18793	3.449	ng		98
71) Phenanthrene	11.416	178	93364	14.174	ng		99
72) Anthracene	11.469	178	17264	2.578	ng		97
75) Fluoranthene	12.610	202	219050	32.193	ng		99
78) Pyrene	12.839	202	229746	22.289	ng		99
81) Benzo(a)anthracene	14.033	228	125294	14.141	ng		94
83) Chrysene	14.069	228	132554	16.206	ng		97
87) Indeno(1,2,3-cd)pyrene	17.015	276	44368	6.281	ng		97
88) Benzo(b)fluoranthene	15.092	252	124392m	22.236	ng		
89) Benzo(k)fluoranthene	15.104	252	45623m	8.713	ng		
90) Benzo(a)pyrene	15.457	252	82438	15.974	ng	#	93
91) Dibenzo(a,h)anthracene	17.021	278	11667	2.057	ng	#	80
92) Benzo(g,h,i)perylene	17.468	276	45713	8.160	ng	#	91

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

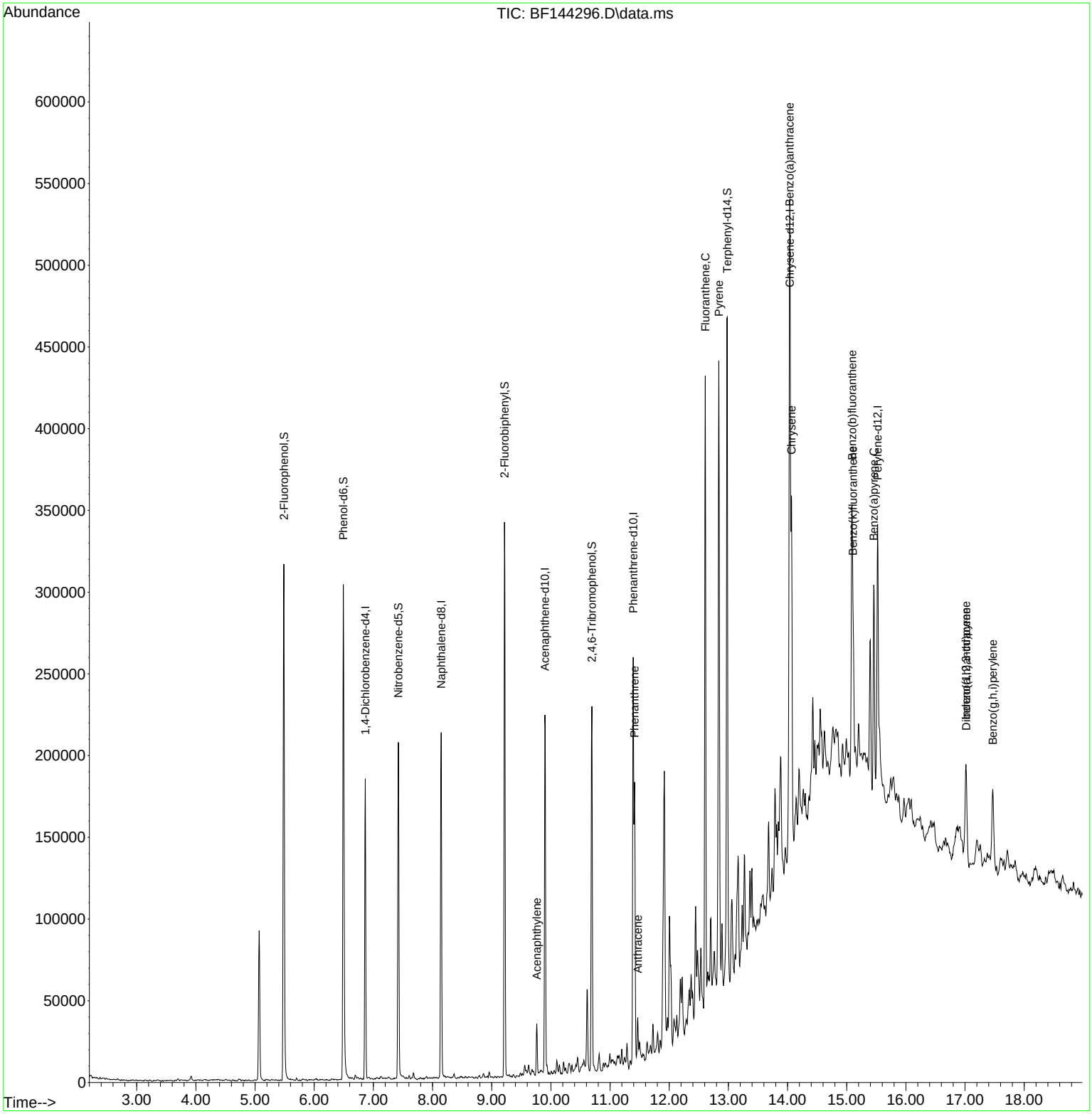
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
Data File : BF144296.D
Acq On : 20 Nov 2025 15:59
Operator : RC/JU
Sample : Q3662-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

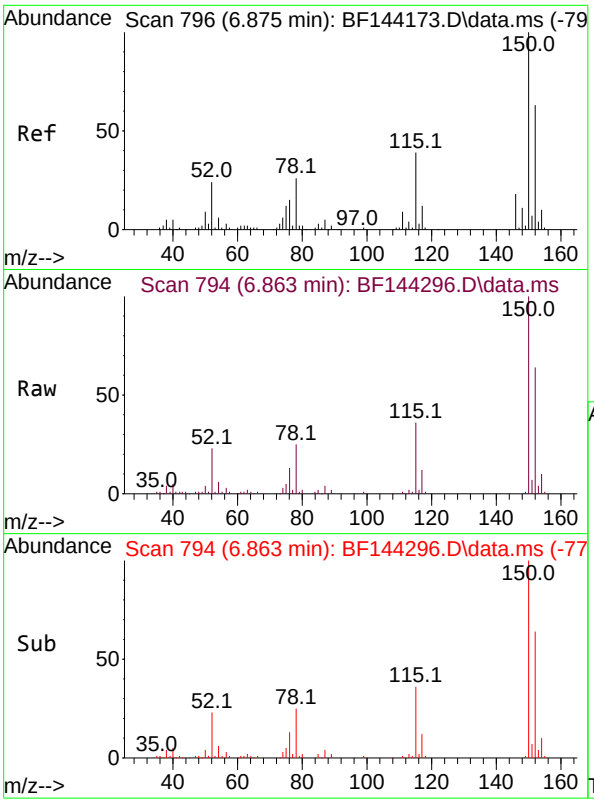
Quant Time: Nov 20 16:46:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B1-0.0-1.0-20251117

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025

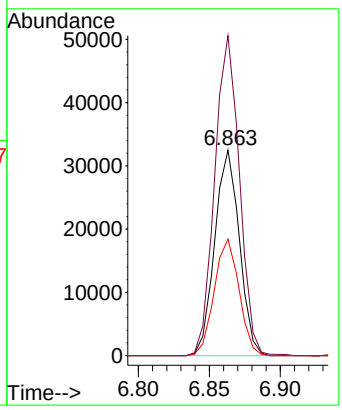




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion:152 Resp: 39264

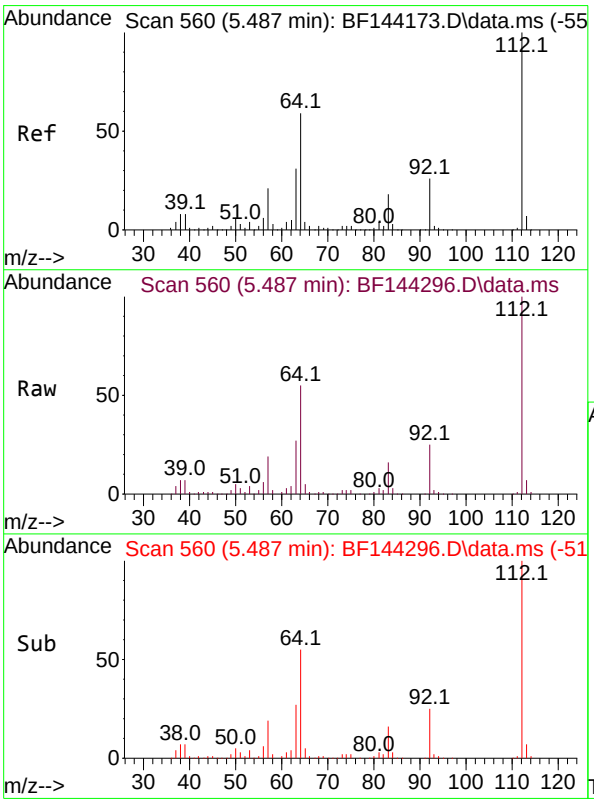
Ion	Ratio	Lower	Upper
152	100		
150	155.7	127.4	191.0
115	56.7	49.5	74.3



Instrument :
BNA_F
ClientSampleId :
B1-0.0-1.0-20251117

Manual Integrations
APPROVED

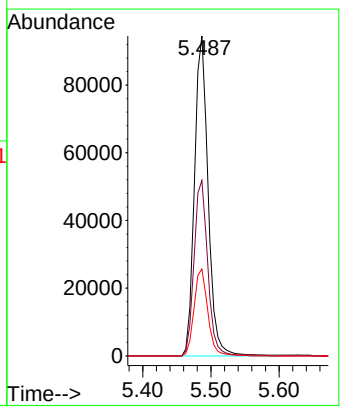
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025

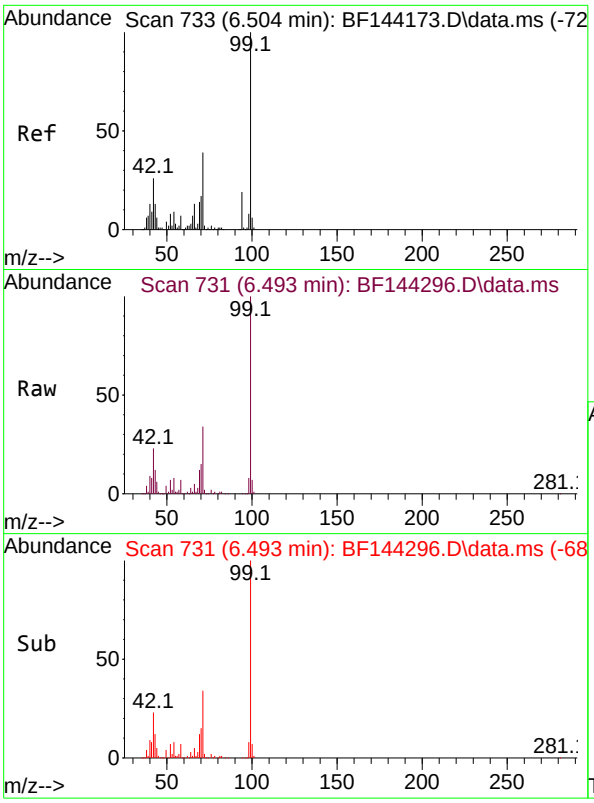


#5
2-Fluorophenol
Concen: 52.456 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion:112 Resp: 131616

Ion	Ratio	Lower	Upper
112	100		
64	54.8	47.2	70.8
63	27.1	24.4	36.6

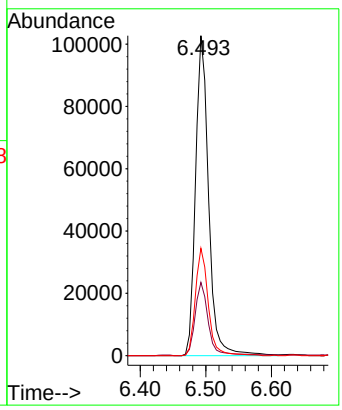




#7
Phenol-d6
Concen: 49.912 ng
RT: 6.493 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion: 99 Resp: 14189

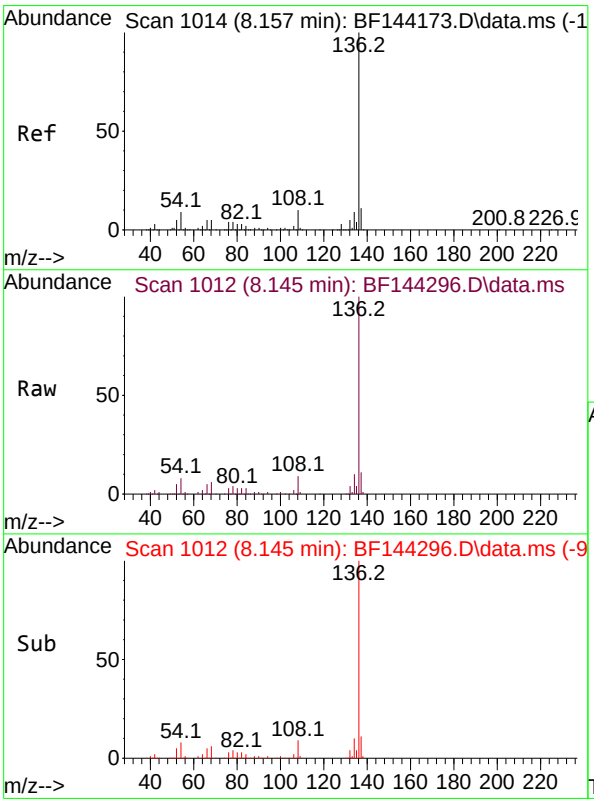
Ion	Ratio	Lower	Upper
99	100		
42	22.9	20.9	31.3
71	33.5	31.4	47.2



Instrument :
BNA_F
ClientSampleId :
B1-0.0-1.0-20251117

Manual Integrations
APPROVED

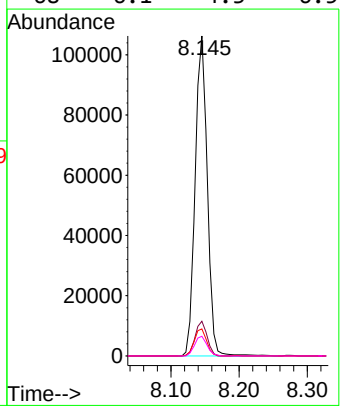
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025

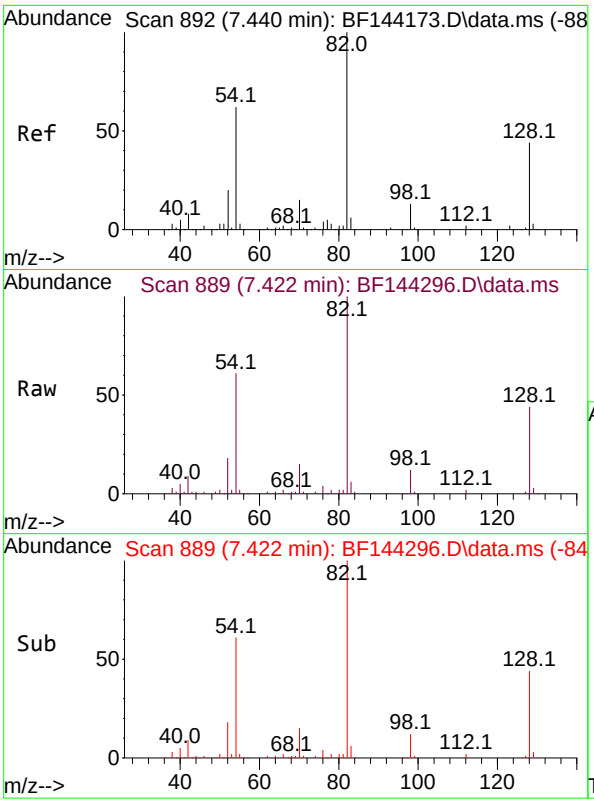


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion:136 Resp: 131569

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.4	7.0	10.6
68	6.1	4.3	6.5

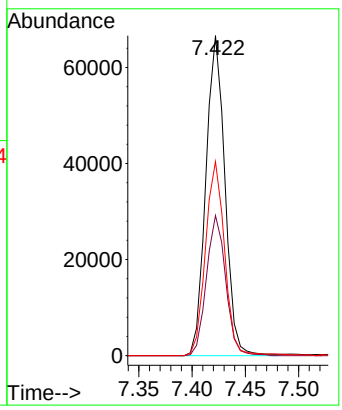




#23
Nitrobenzene-d5
Concen: 36.377 ng
RT: 7.422 min Scan# 88
Delta R.T. -0.012 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion: 82 Resp: 82868

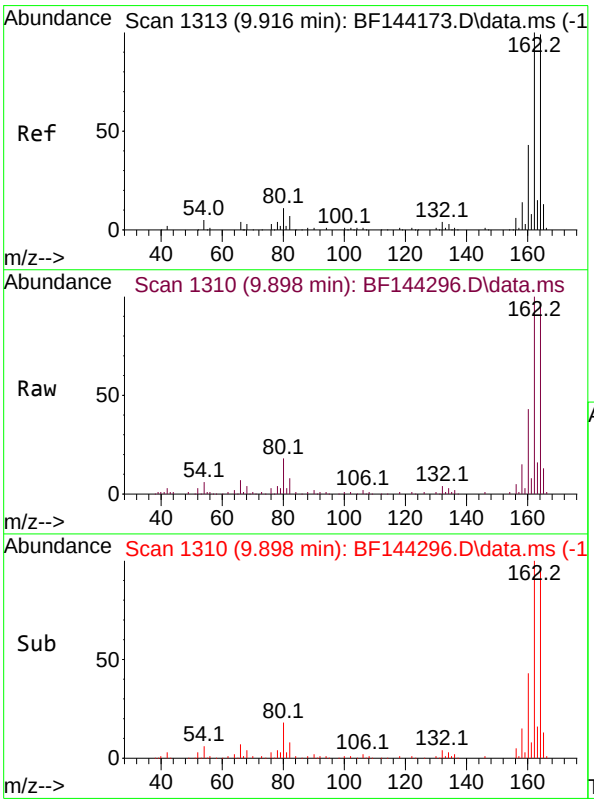
Ion	Ratio	Lower	Upper
82	100		
128	43.8	34.7	52.1
54	60.6	49.5	74.3



Instrument :
BNA_F
ClientSampleId :
B1-0.0-1.0-20251117

Manual Integrations
APPROVED

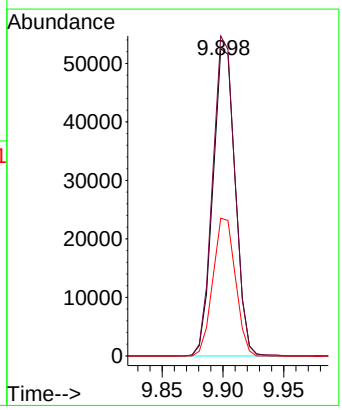
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025

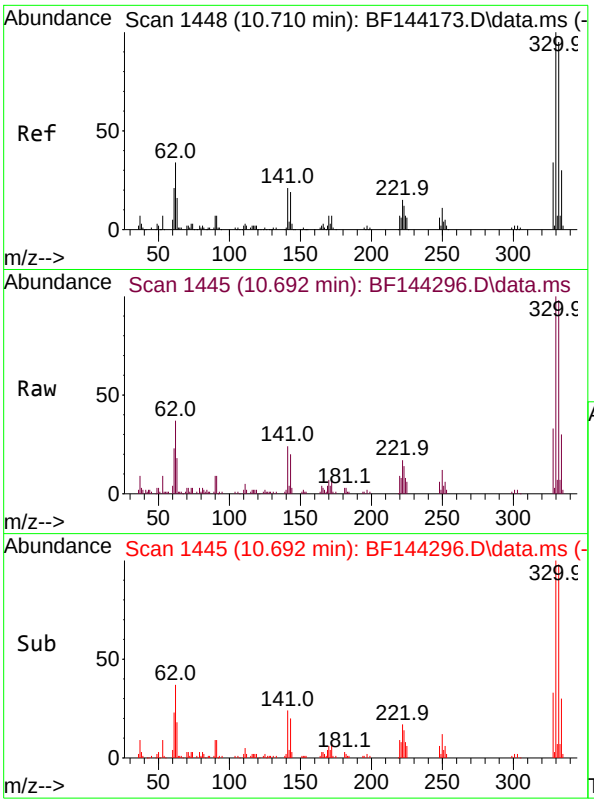


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.018 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion:164 Resp: 67150

Ion	Ratio	Lower	Upper
164	100		
162	104.2	81.1	121.7
160	44.8	34.5	51.7

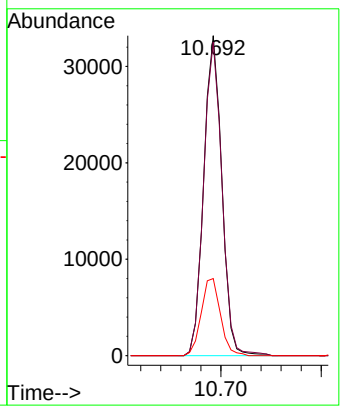




#42
2,4,6-Tribromophenol
Concen: 49.011 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion:330 Resp: 4129

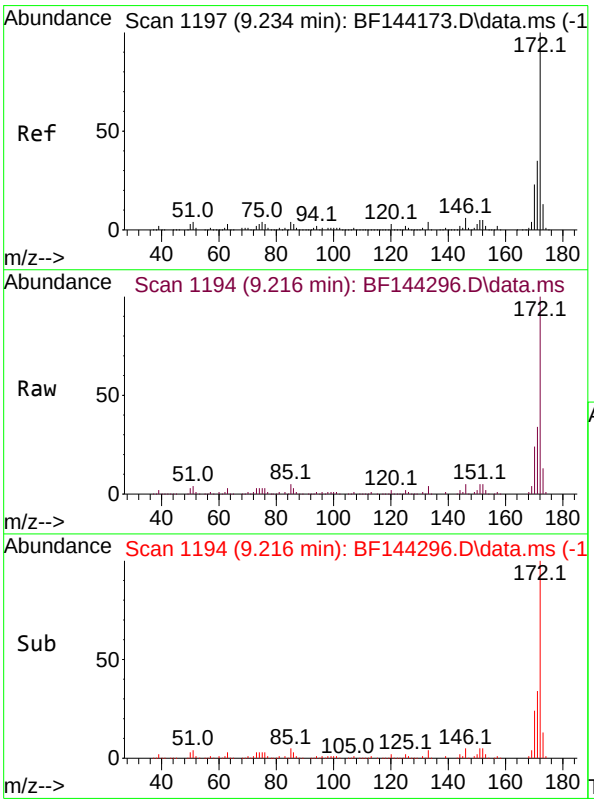
Ion	Ratio	Lower	Upper
330	100		
332	99.6	76.7	115.1
141	25.7	17.8	26.8



Instrument :
BNA_F
ClientSampleId :
B1-0.0-1.0-20251117

Manual Integrations APPROVED

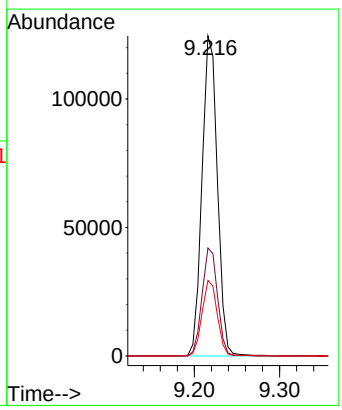
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025

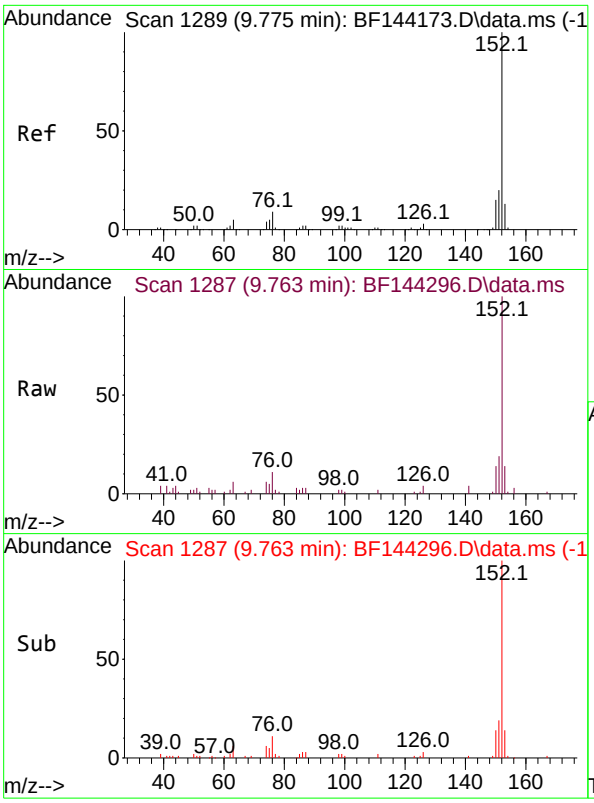


#45
2-Fluorobiphenyl
Concen: 34.271 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion:172 Resp: 155815

Ion	Ratio	Lower	Upper
172	100		
171	33.7	28.1	42.1
170	23.6	18.6	28.0

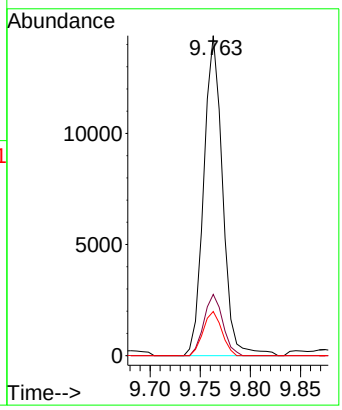




#49
Acenaphthylene
Concen: 3.449 ng
RT: 9.763 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion:152 Resp: 1879

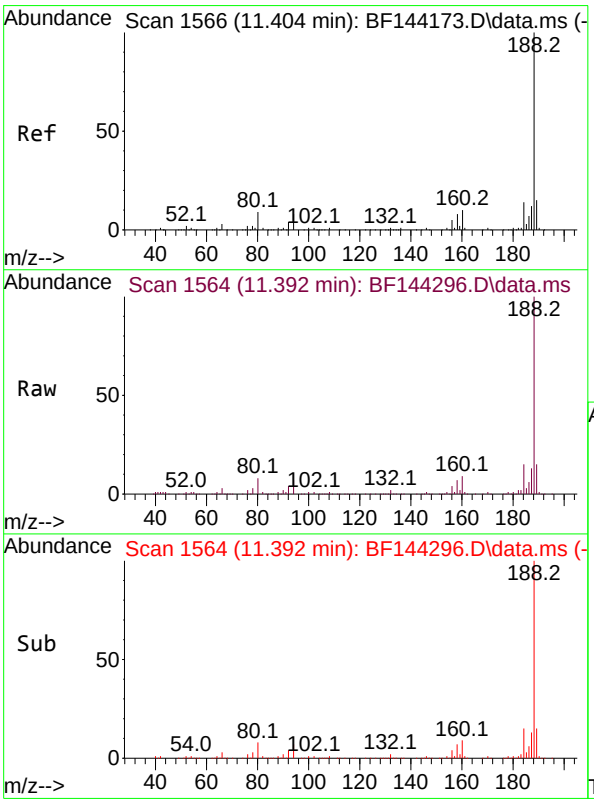
Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.9	23.9
153	13.8	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
B1-0.0-1.0-20251117

Manual Integrations
APPROVED

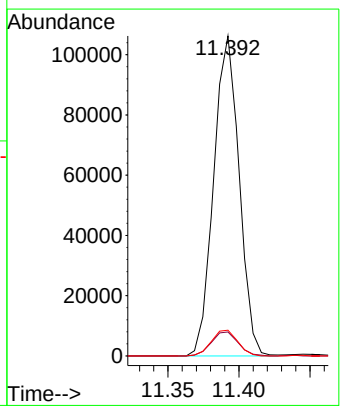
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025

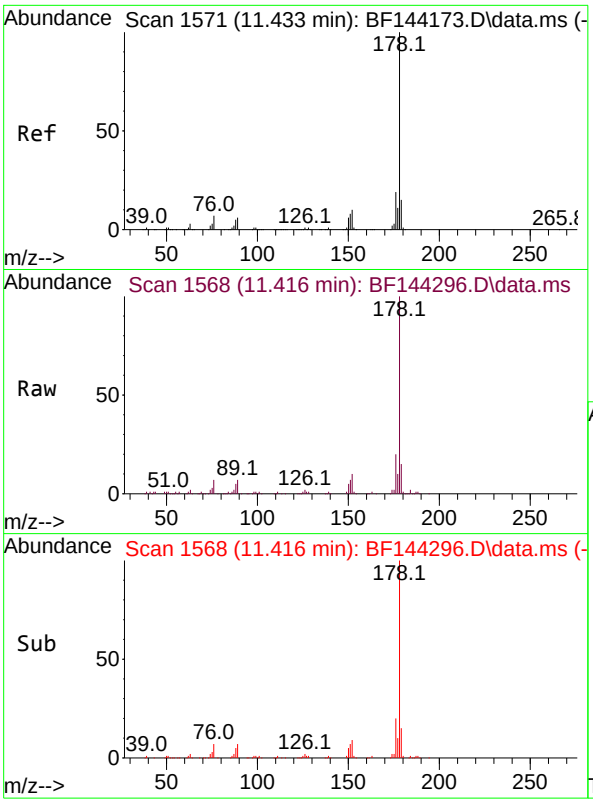


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion:188 Resp: 132298

Ion	Ratio	Lower	Upper
188	100		
94	7.5	6.2	9.2
80	8.0	6.9	10.3

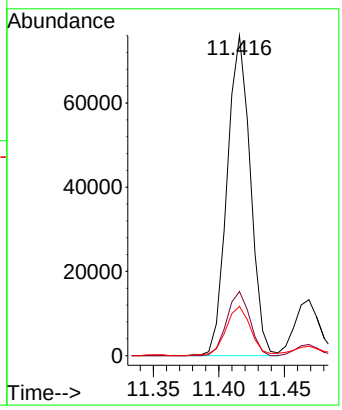




#71
Phenanthrene
Concen: 14.174 ng
RT: 11.416 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion:178 Resp: 9336

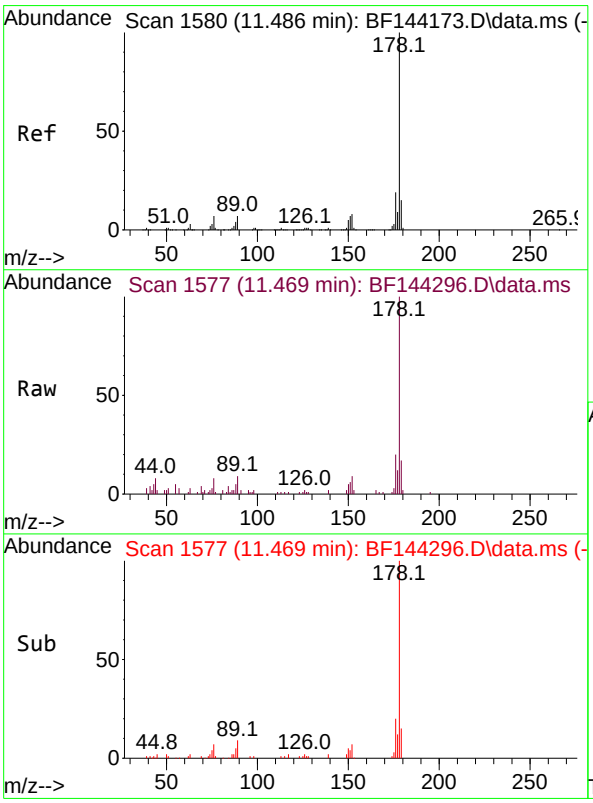
Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.5	23.3
179	15.4	12.2	18.4



Instrument :
BNA_F
ClientSampleId :
B1-0.0-1.0-20251117

Manual Integrations APPROVED

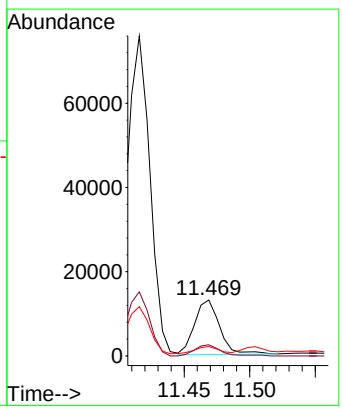
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025

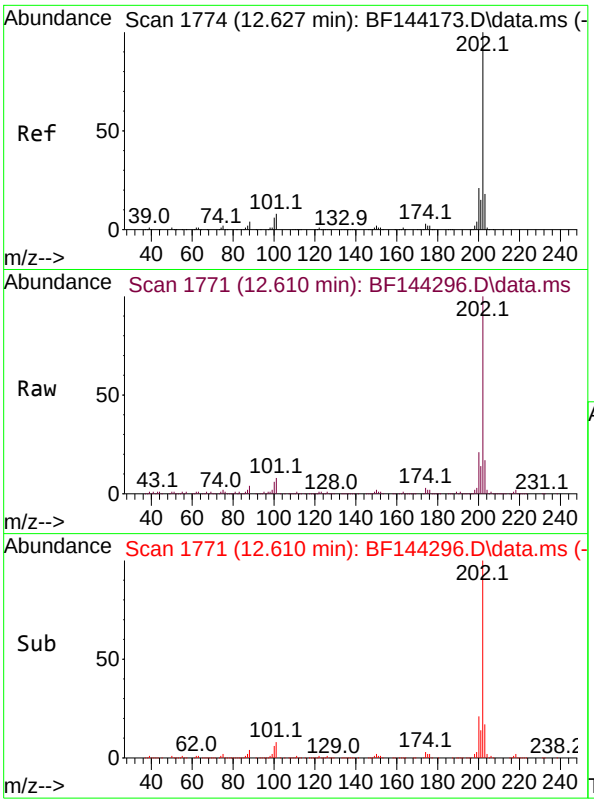


#72
Anthracene
Concen: 2.578 ng
RT: 11.469 min Scan# 1577
Delta R.T. -0.012 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion:178 Resp: 17264

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.3	22.9
179	16.7	12.0	18.0

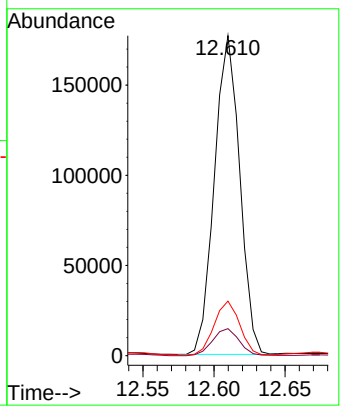




#75
Fluoranthene
Concen: 32.193 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion:202 Resp: 21905

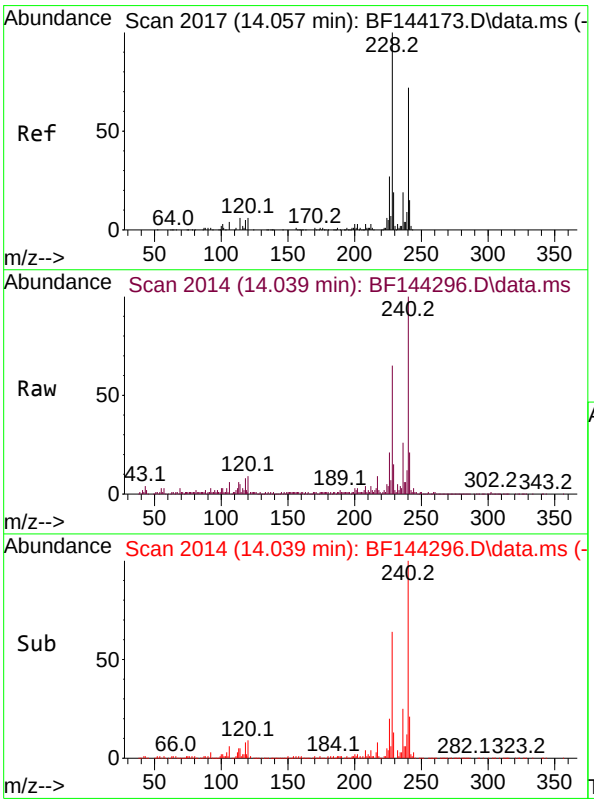
Ion	Ratio	Lower	Upper
202	100		
101	8.4	0.0	27.9
203	17.0	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
B1-0.0-1.0-20251117

Manual Integrations
APPROVED

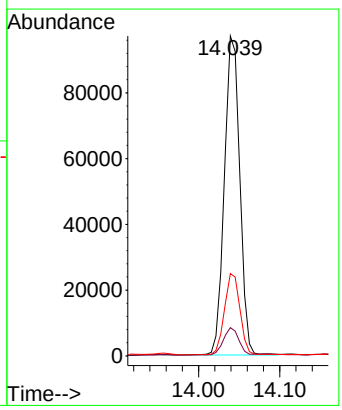
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025

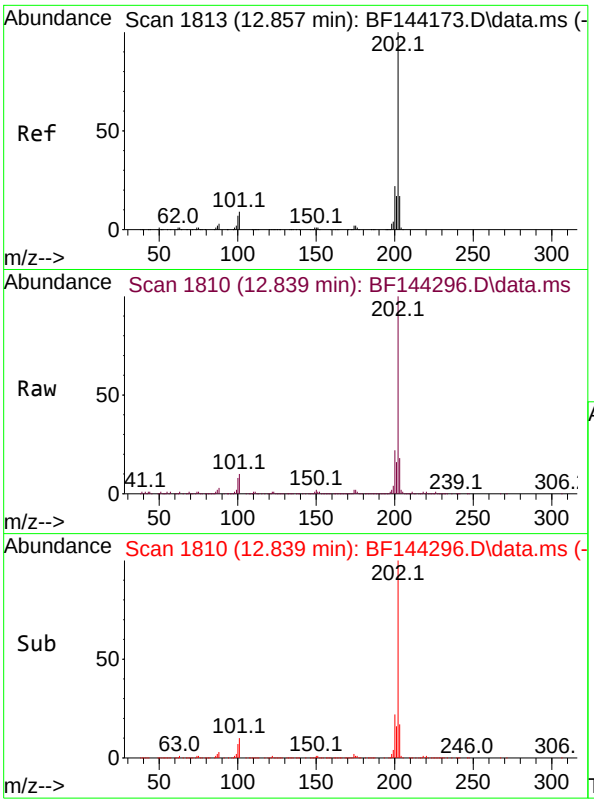


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion:240 Resp: 127839

Ion	Ratio	Lower	Upper
240	100		
120	8.9	6.6	10.0
236	25.7	21.4	32.2

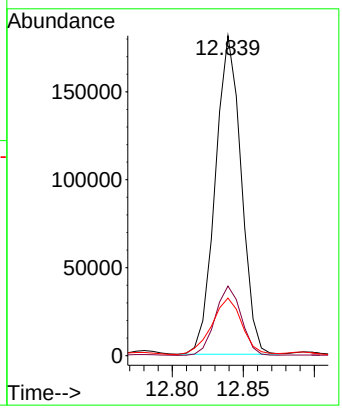




#78
Pyrene
Concen: 22.289 ng
RT: 12.839 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion:202 Resp: 22974

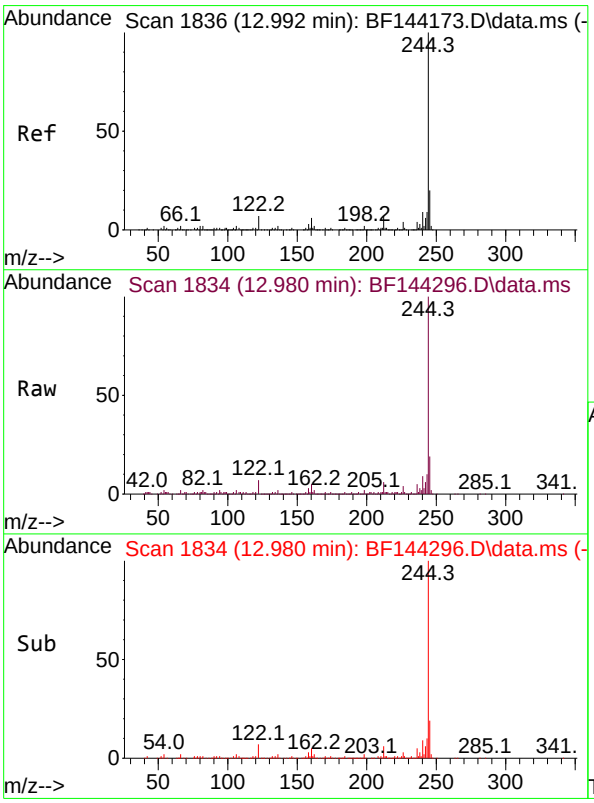
Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.2	25.8
203	18.0	13.7	20.5



Instrument :
BNA_F
ClientSampleId :
B1-0.0-1.0-20251117

Manual Integrations
APPROVED

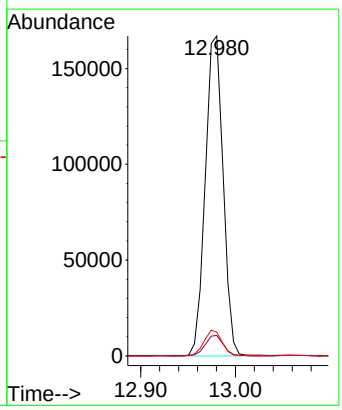
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025

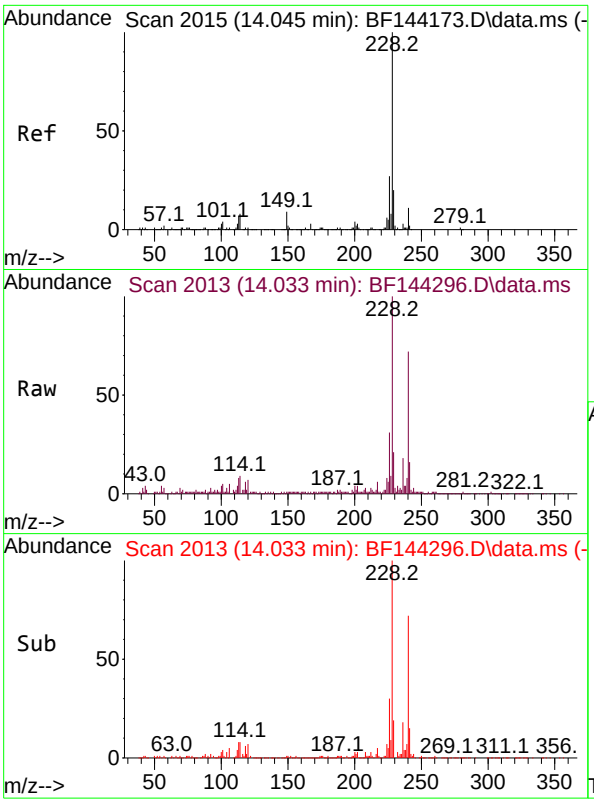


#79
Terphenyl-d14
Concen: 27.274 ng
RT: 12.980 min Scan# 1834
Delta R.T. -0.012 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion:244 Resp: 219505

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.3	7.9
122	7.4	5.6	8.4

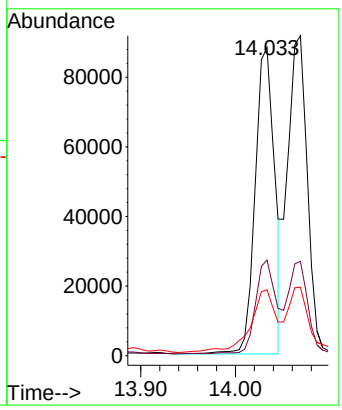




#81
Benzo(a)anthracene
Concen: 14.141 ng
RT: 14.033 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion:228 Resp: 12529

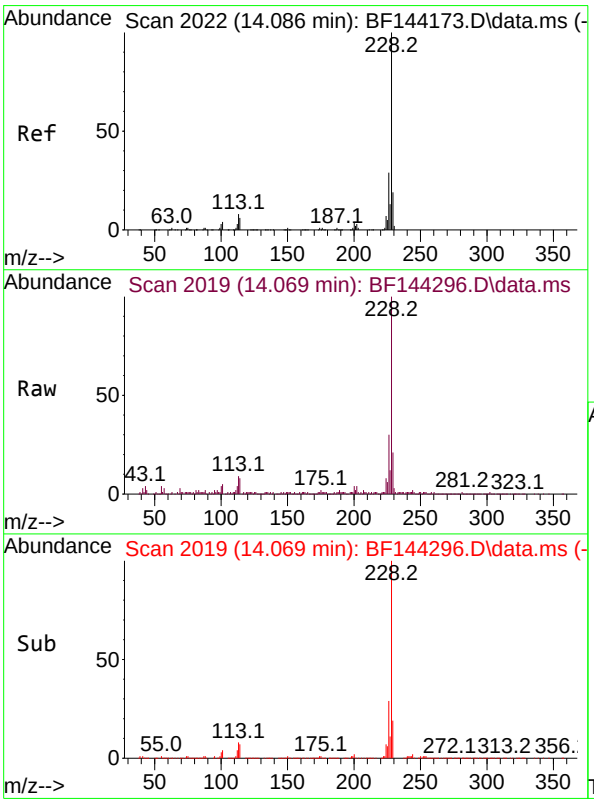
Ion	Ratio	Lower	Upper
228	100		
226	31.0	21.8	32.8
229	21.4	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
B1-0.0-1.0-20251117

Manual Integrations APPROVED

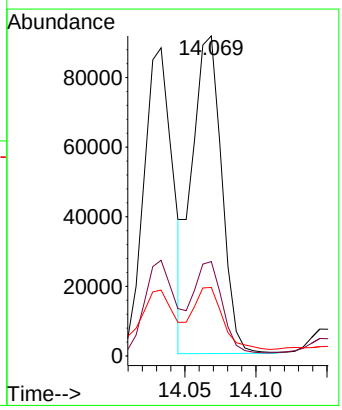
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025

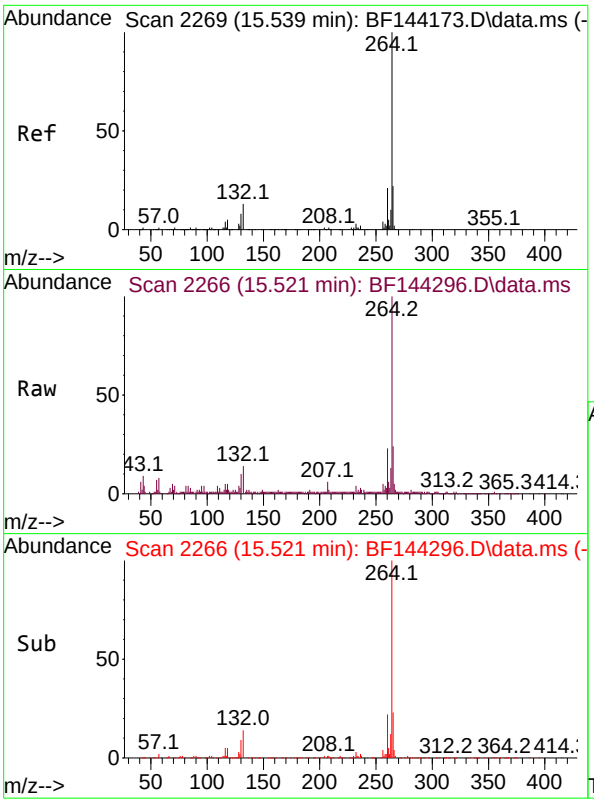


#83
Chrysene
Concen: 16.206 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion:228 Resp: 132554

Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.9	34.3
229	21.4	15.0	22.6

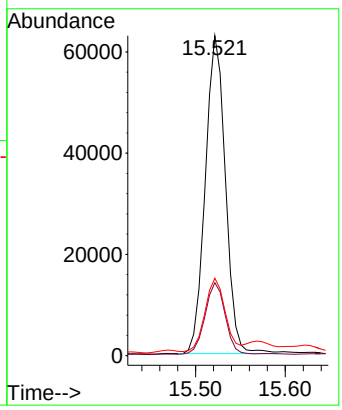




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion:264 Resp: 9840

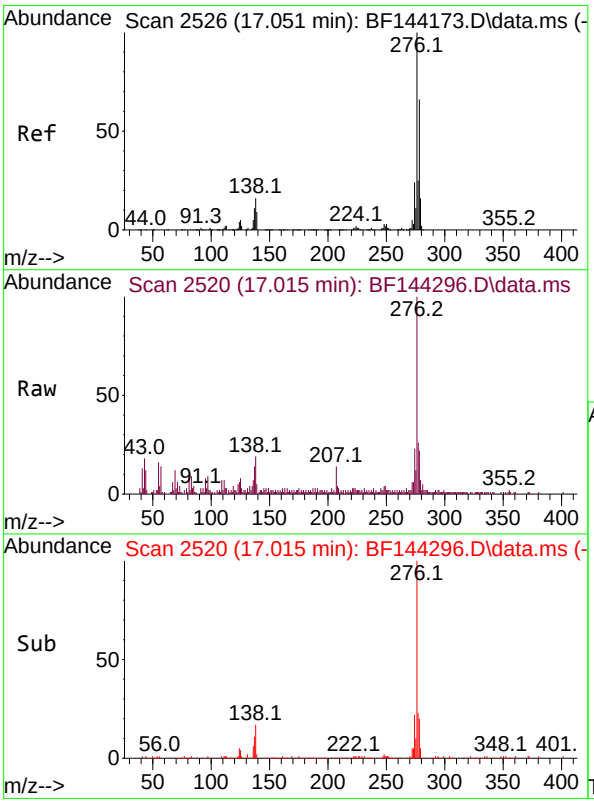
Ion	Ratio	Lower	Upper
264	100		
260	22.8	17.1	25.7
265	24.2	17.4	26.0



Instrument :
BNA_F
ClientSampleId :
B1-0.0-1.0-20251117

Manual Integrations APPROVED

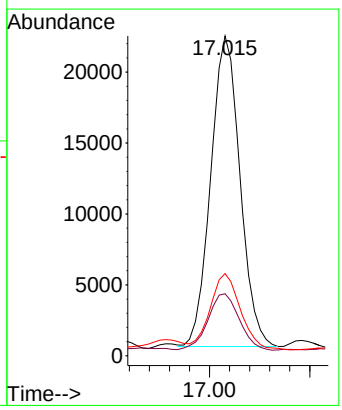
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025

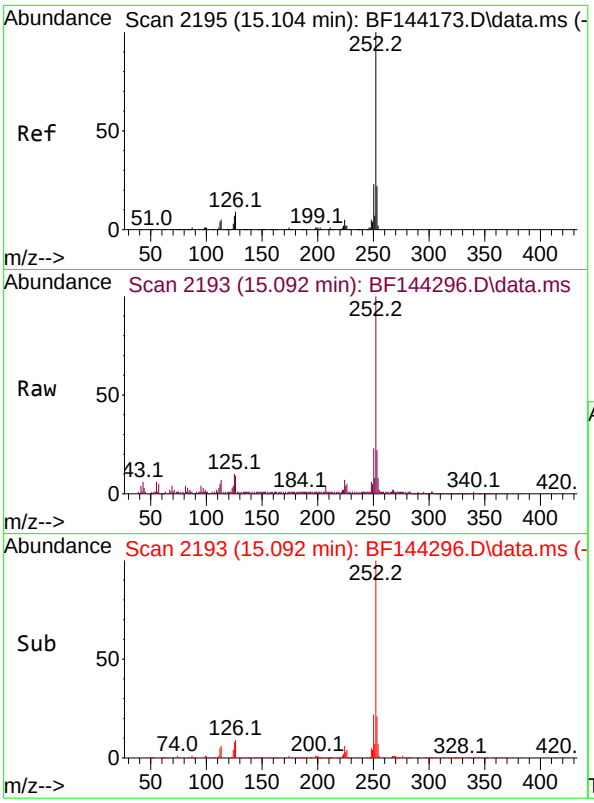


#87
Indeno(1,2,3-cd)pyrene
Concen: 6.281 ng
RT: 17.015 min Scan# 2520
Delta R.T. -0.018 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion:276 Resp: 44368

Ion	Ratio	Lower	Upper
276	100		
138	19.5	13.9	20.9
277	25.5	19.8	29.6

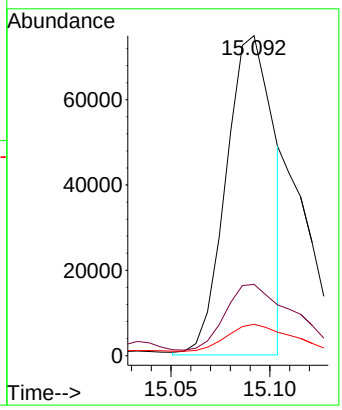




#88
Benzo(b)fluoranthene
Concen: 22.236 ng m
RT: 15.092 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion:252 Resp: 12439

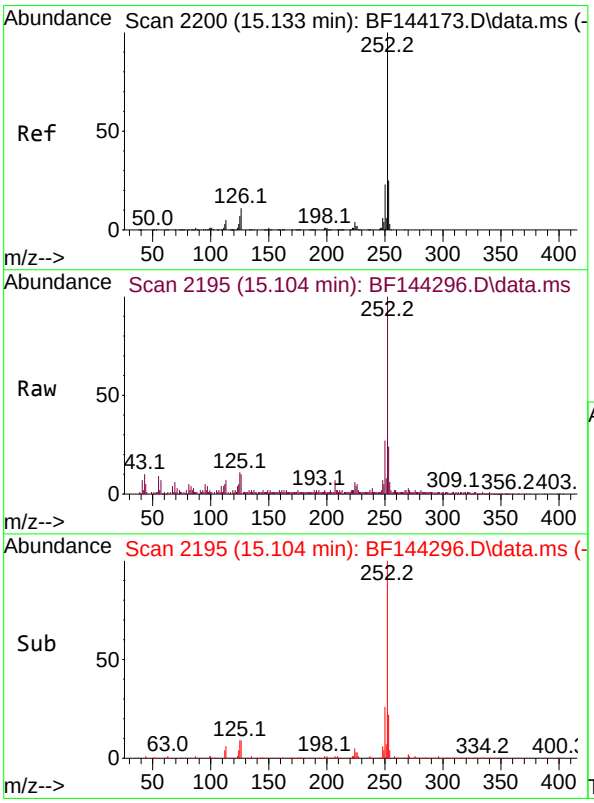
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	9.8	5.3	7.9#



Instrument :
BNA_F
ClientSampleId :
B1-0.0-1.0-20251117

Manual Integrations APPROVED

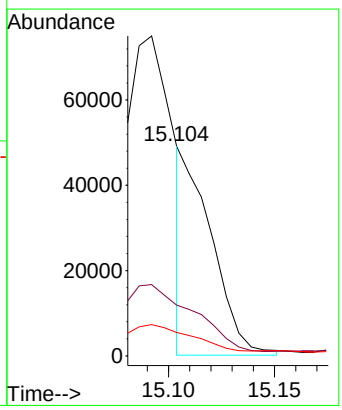
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025

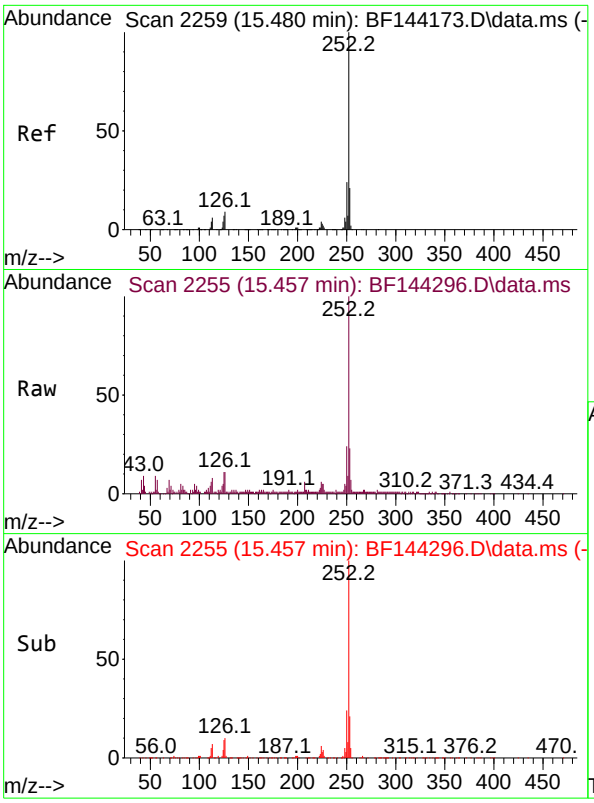


#89
Benzo(k)fluoranthene
Concen: 8.713 ng m
RT: 15.104 min Scan# 2195
Delta R.T. -0.024 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion:252 Resp: 45623

Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.0	27.0
125	11.2	5.4	8.2#

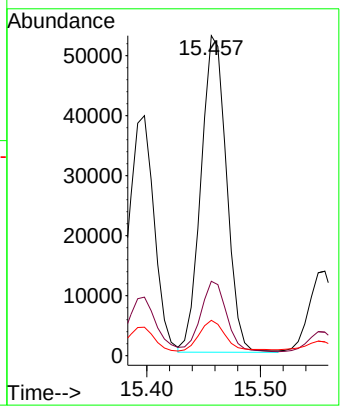




#90
Benzo(a)pyrene
Concen: 15.974 ng
RT: 15.457 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion:252 Resp: 8243

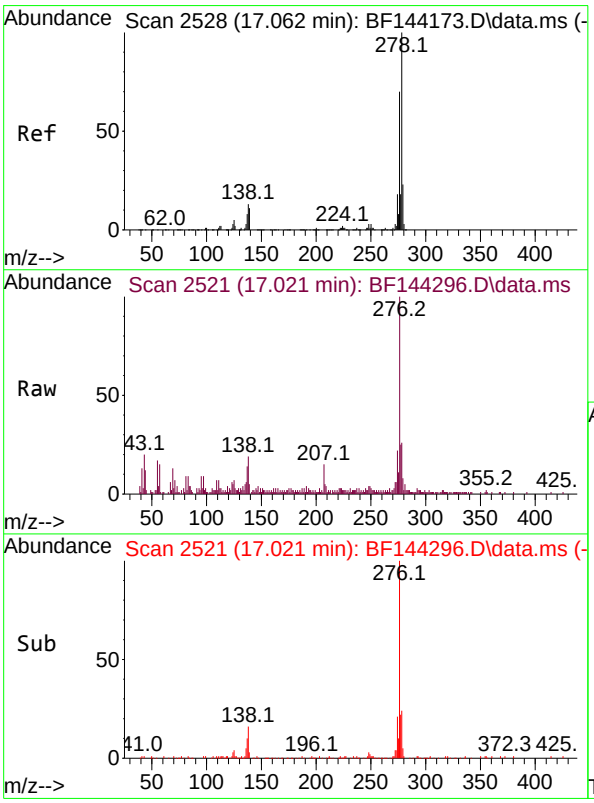
Ion	Ratio	Lower	Upper
252	100		
253	23.2	16.7	25.1
125	11.0	5.7	8.5#



Instrument :
BNA_F
ClientSampleId :
B1-0.0-1.0-20251117

Manual Integrations APPROVED

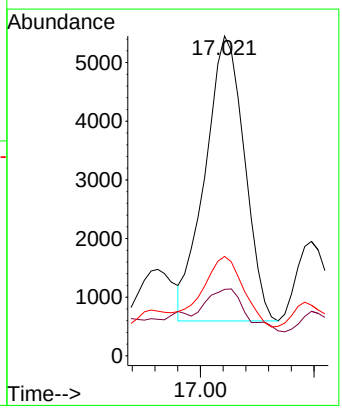
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025

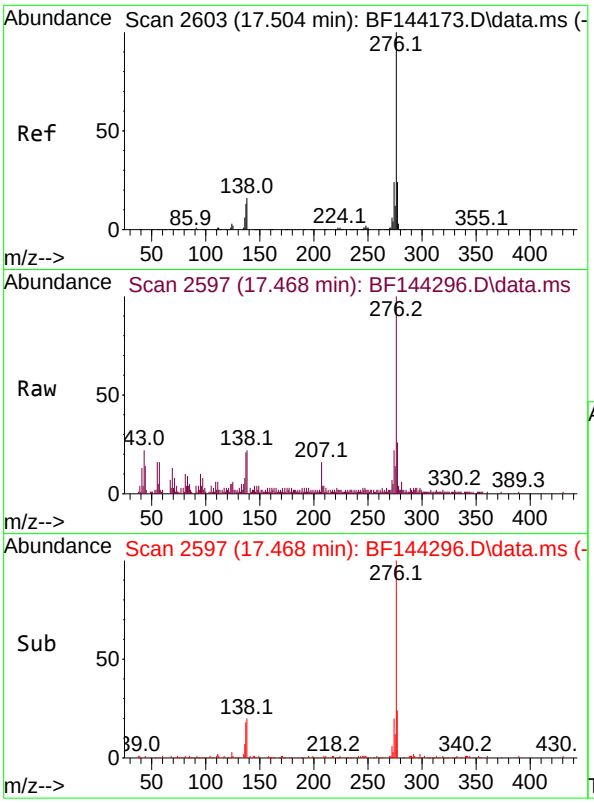


#91
Dibenzo(a,h)anthracene
Concen: 2.057 ng
RT: 17.021 min Scan# 2521
Delta R.T. -0.029 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion:278 Resp: 11667

Ion	Ratio	Lower	Upper
278	100		
139	20.8	9.1	13.7#
279	31.1	18.2	27.4#

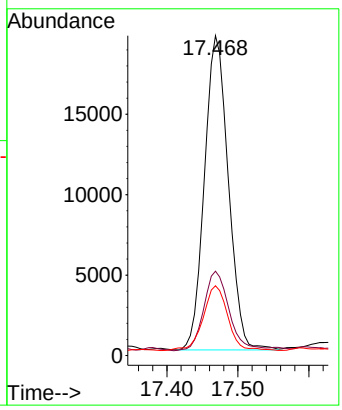




#92
Benzo(g,h,i)perylene
Concen: 8.160 ng
RT: 17.468 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion:276 Resp: 4571

Ion	Ratio	Lower	Upper
276	100		
277	26.4	19.0	28.4
138	21.8	12.9	19.3#



Instrument :
BNA_F
ClientSampleId :
B1-0.0-1.0-20251117

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025

A B C D E F G H I J K

Sample Results: **BF144296.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
Data File : BF144296.D
Acq On : 20 Nov 2025 15:59
Operator : RC/JU
Sample : Q3662-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B1-0.0-1.0-20251117

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:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF144296.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.069	481	489	503	rVB	91747	131154	19.13%	1.532%
2	5.487	555	560	577	rBV	315970	442076	64.48%	5.165%
3	6.493	726	731	748	rBV	302918	420041	61.26%	4.907%
4	6.863	789	794	800	rBV	183896	224519	32.75%	2.623%
5	7.422	884	889	900	rBV	205429	257977	37.63%	3.014%
6	8.145	1007	1012	1019	rBV	210829	260607	38.01%	3.045%
7	9.216	1189	1194	1199	rBV	339366	417882	60.95%	4.882%
8	9.557	1248	1252	1255	rBV3	5907	8699	1.27%	0.102%
9	9.622	1259	1263	1269	rVB3	5948	9360	1.37%	0.109%
10	9.763	1283	1287	1291	rBV	31668	40042	5.84%	0.468%
11	9.898	1305	1310	1315	rBV	218648	280262	40.88%	3.274%
12	10.098	1340	1344	1349	rBV3	8080	11544	1.68%	0.135%
13	10.145	1349	1352	1356	rVB4	5608	7067	1.03%	0.083%
14	10.216	1360	1364	1367	rBV4	7273	10597	1.55%	0.124%
15	10.304	1374	1379	1385	rBV8	6037	13775	2.01%	0.161%
16	10.451	1401	1404	1409	rVB4	8718	12933	1.89%	0.151%
17	10.610	1427	1431	1438	rVB	49709	70791	10.33%	0.827%
18	10.692	1440	1445	1450	rBV	222065	283118	41.29%	3.308%
19	10.816	1461	1466	1472	rVB4	10347	16364	2.39%	0.191%
20	10.998	1493	1497	1500	rBV4	7971	10552	1.54%	0.123%
21	11.128	1515	1519	1521	rBV5	4738	7007	1.02%	0.082%
22	11.198	1527	1531	1535	rVB	9425	10567	1.54%	0.123%
23	11.286	1542	1546	1551	rVB	15602	22462	3.28%	0.262%
24	11.345	1551	1556	1558	rBV6	4954	8264	1.21%	0.097%
25	11.392	1559	1564	1566	rVV	249038	334681	48.81%	3.910%
26	11.416	1566	1568	1573	rVV	171317	186306	27.17%	2.177%
27	11.469	1573	1577	1580	rVV	26133	35504	5.18%	0.415%
28	11.498	1580	1582	1589	rVB6	9628	14556	2.12%	0.170%
29	11.628	1600	1604	1608	rBV2	10519	17771	2.59%	0.208%
30	11.722	1617	1620	1625	rBV	17676	22515	3.28%	0.263%
31	11.804	1631	1634	1638	rVB	12007	15828	2.31%	0.185%
32	11.845	1638	1641	1644	rBV3	7481	10156	1.48%	0.119%
33	11.916	1644	1653	1660	rVV2	170117	354292	51.68%	4.139%
34	11.969	1660	1662	1664	rVV3	17138	20079	2.93%	0.235%
35	12.004	1664	1668	1677	rVB2	78812	166605	24.30%	1.946%
36	12.080	1677	1681	1686	rBV6	16049	33857	4.94%	0.396%

Sample Results: **BF144296.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
Data File : BF144296.D
Acq On : 20 Nov 2025 15:59
Operator : RC/JU
Sample : Q3662-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B1-0.0-1.0-20251117

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:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.127	1686	1689	1692	rVV2	14719	17722	2.58%	0.207%
38	12.192	1696	1700	1702	rVV	35072	54684	7.98%	0.639%
39	12.222	1702	1705	1711	rVB	34935	51411	7.50%	0.601%
40	12.339	1719	1725	1727	rBV2	20708	37119	5.41%	0.434%
41	12.369	1727	1730	1733	rVV	19615	23521	3.43%	0.275%
42	12.445	1739	1743	1746	rBV	67385	91788	13.39%	1.072%
43	12.480	1746	1749	1755	rVV2	35450	65173	9.51%	0.761%
44	12.533	1755	1758	1766	rVB4	36925	58521	8.54%	0.684%
45	12.610	1766	1771	1775	rBV	387018	494041	72.06%	5.772%
46	12.704	1783	1787	1791	rVB2	40964	51863	7.56%	0.606%
47	12.839	1804	1810	1816	rBV	381412	556202	81.12%	6.498%
48	12.892	1816	1819	1823	rVB2	37996	46719	6.81%	0.546%
49	12.980	1828	1834	1841	rVB	406613	598790	87.34%	6.996%
50	13.057	1842	1847	1854	rBV4	50436	97747	14.26%	1.142%
51	13.163	1858	1865	1870	rVB2	67350	140268	20.46%	1.639%
52	13.233	1874	1877	1880	rVV2	29924	37293	5.44%	0.436%
53	13.269	1880	1883	1891	rVB2	58376	93061	13.57%	1.087%
54	13.363	1896	1899	1902	rVV2	38258	49545	7.23%	0.579%
55	13.398	1902	1905	1908	rVB	36190	42595	6.21%	0.498%
56	13.680	1950	1953	1957	rVB	47643	59785	8.72%	0.698%
57	13.786	1967	1971	1974	rBV3	61066	95384	13.91%	1.114%
58	14.039	2008	2014	2017	rBV2	388816	685615	100.00%	8.010%
59	15.092	2188	2193	2200	rBV	160685	346697	50.57%	4.051%
60	15.398	2241	2245	2250	rVB	91835	145272	21.19%	1.697%
61	15.457	2251	2255	2261	rBV	124000	192859	28.13%	2.253%
62	15.521	2262	2266	2271	rBV	147544	235765	34.39%	2.755%

Sum of corrected areas: 8559250

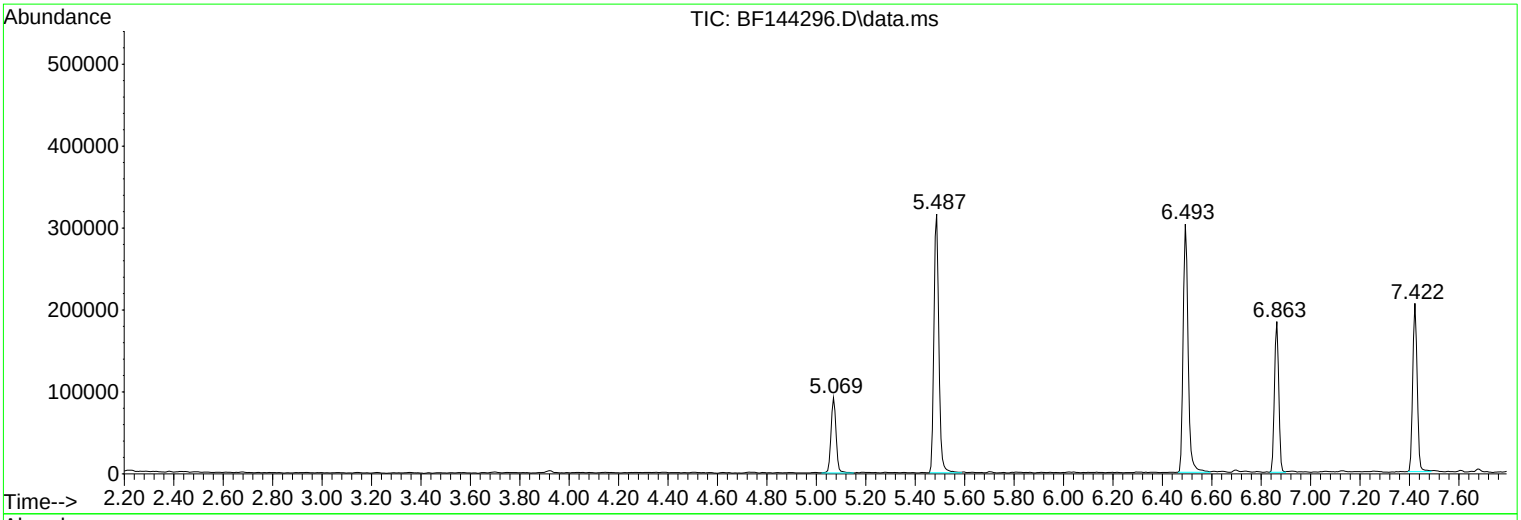
Sample Results: **BF144296.D**

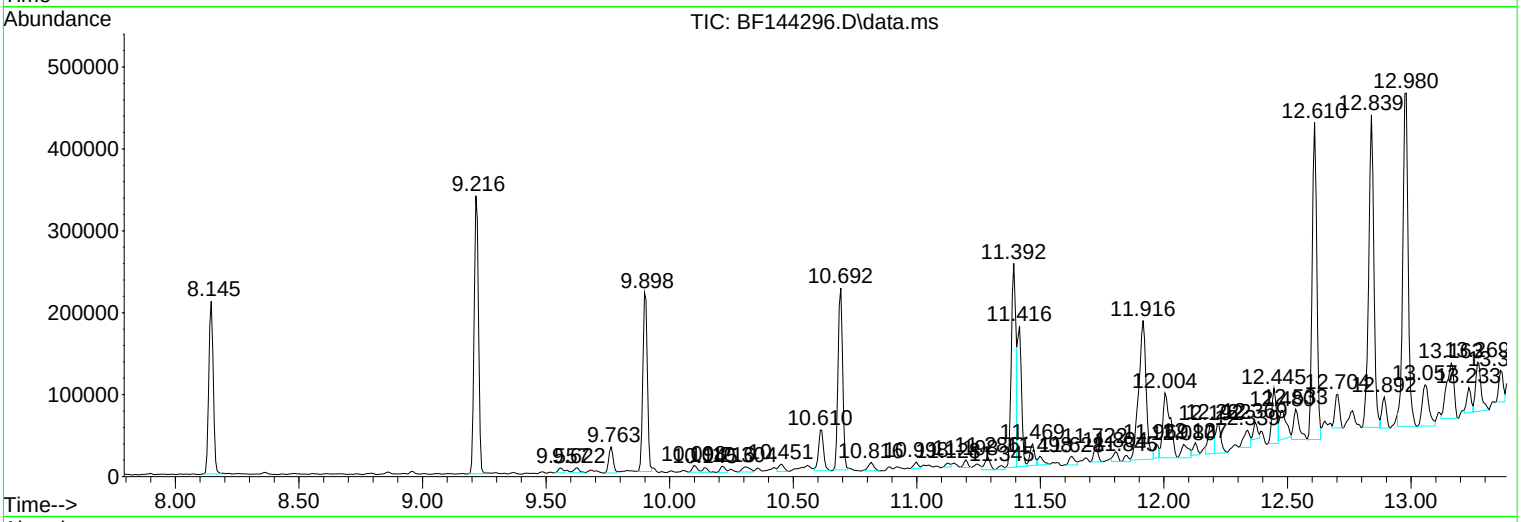
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
Data File : BF144296.D
Acq On : 20 Nov 2025 15:59
Operator : RC/JU
Sample : Q3662-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

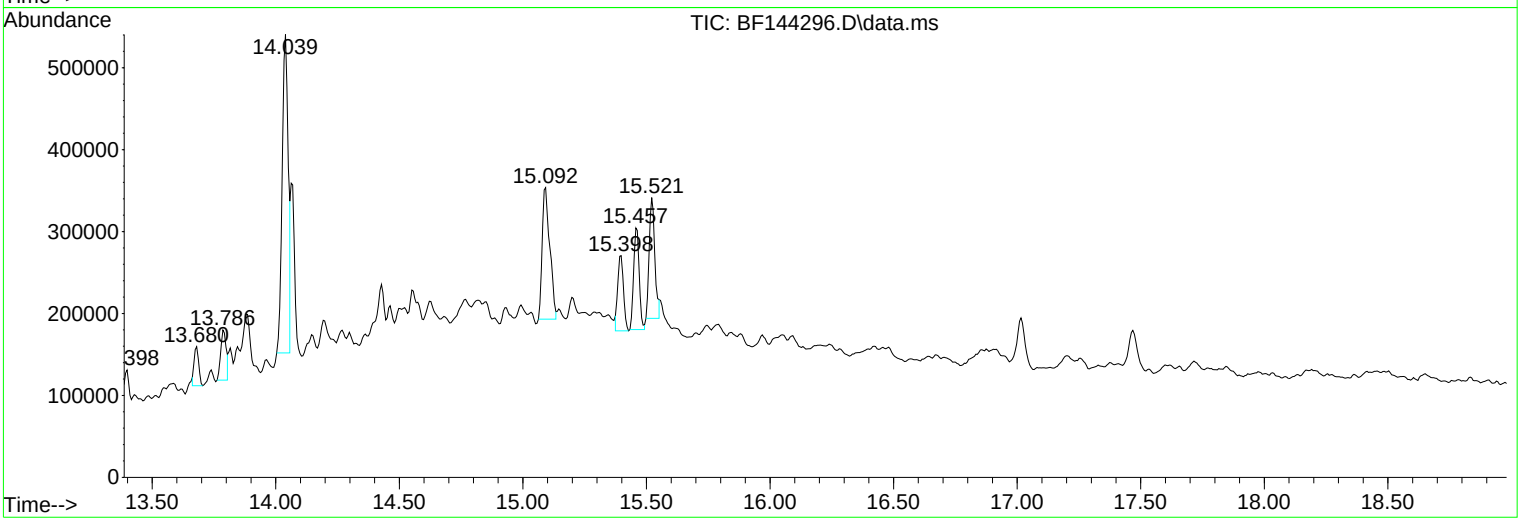
Instrument :
BNA_F
ClientSampleId :
B1-0.0-1.0-20251117

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
Data File : BF144296.D
Acq On : 20 Nov 2025 15:59
Operator : RC/JU
Sample : Q3662-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B1-0.0-1.0-20251117

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

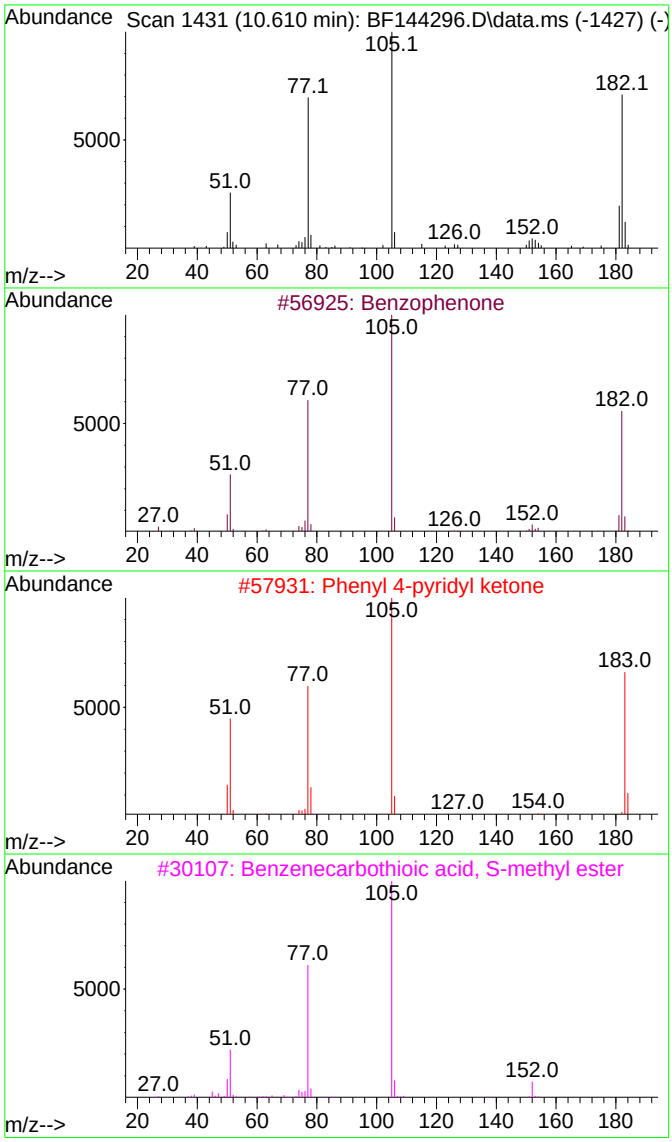
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TIC Integration Parameters: LSCINT.P

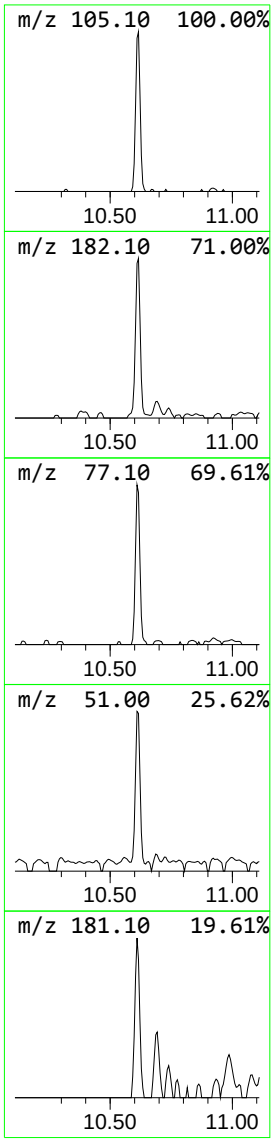
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Peak Number 2 Benzophenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.610	5.05 ng	70791	Acenaphthene-d10	9.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	93
2	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	43
3	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	43
4	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	38
5	Benzoylformic acid	150	C8H6O3	000611-73-4	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
Data File : BF144296.D
Acq On : 20 Nov 2025 15:59
Operator : RC/JU
Sample : Q3662-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B1-0.0-1.0-20251117

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

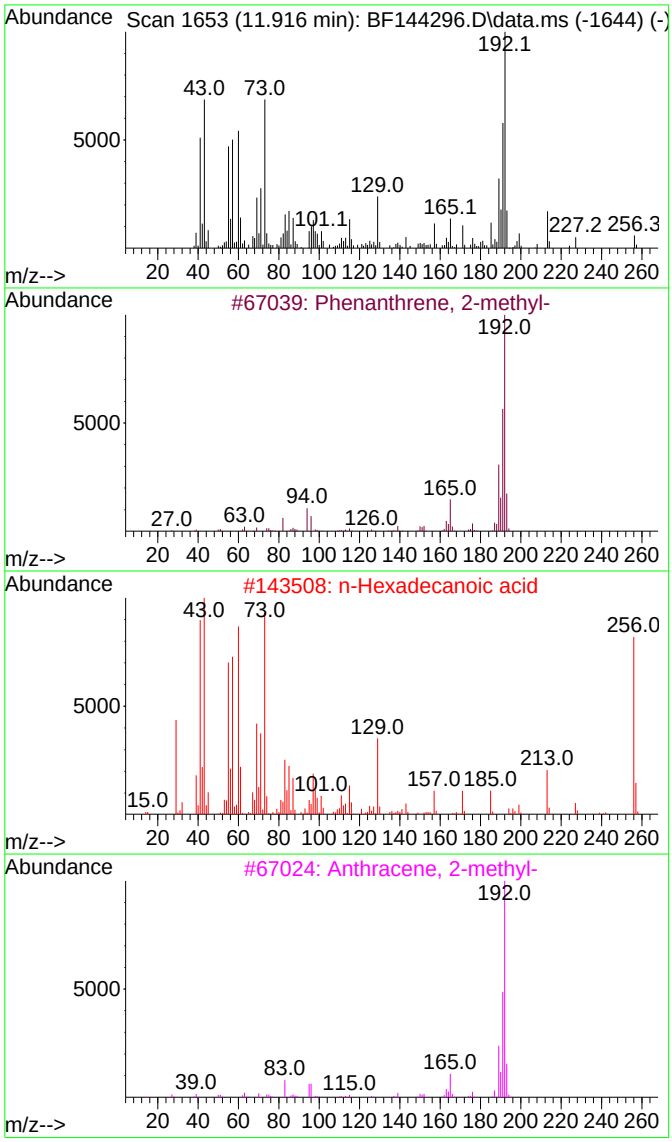
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

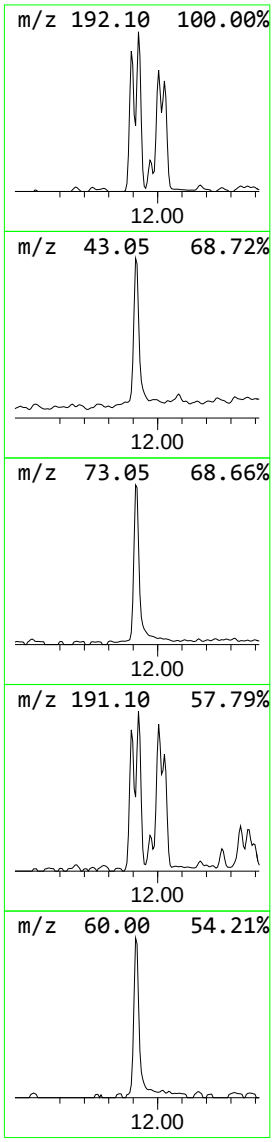
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Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	21.17 ng	354292	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	92
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Tridecanoic acid	214	C13H26O2	000638-53-9	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
Data File : BF144296.D
Acq On : 20 Nov 2025 15:59
Operator : RC/JU
Sample : Q3662-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B1-0.0-1.0-20251117

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

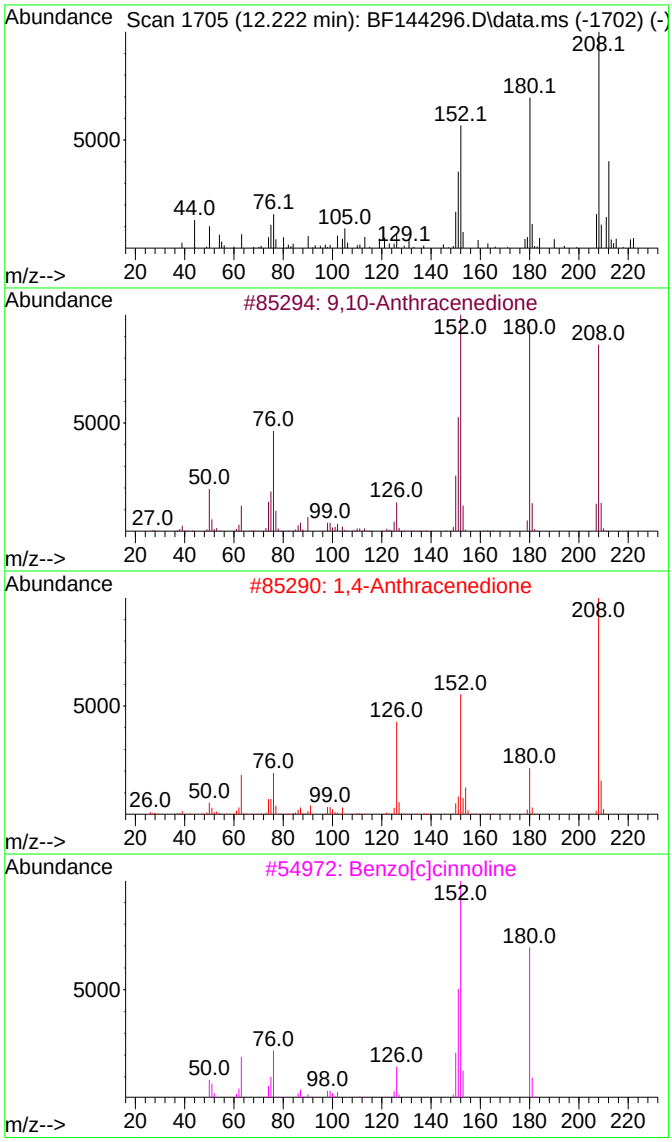
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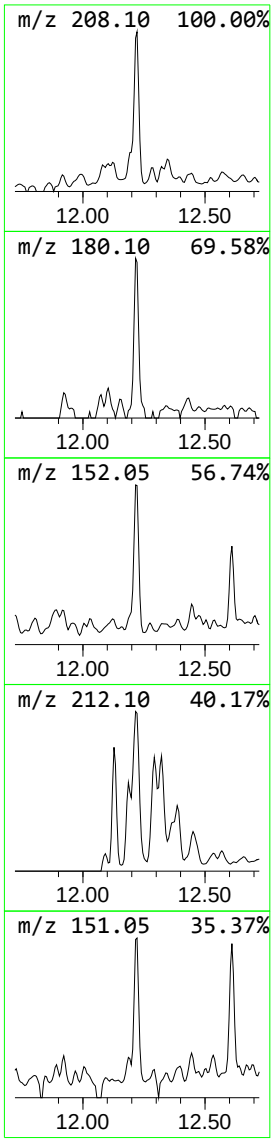
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Peak Number 7 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.222	3.07 ng	51411	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	1,4-Anthracenedione	208	C14H8O2	000635-12-1	43
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	38
4	5,6,7,8-Tetrahydro-1-phenylnapht...	208	C16H16	067064-63-5	38
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
Data File : BF144296.D
Acq On : 20 Nov 2025 15:59
Operator : RC/JU
Sample : Q3662-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B1-0.0-1.0-20251117

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

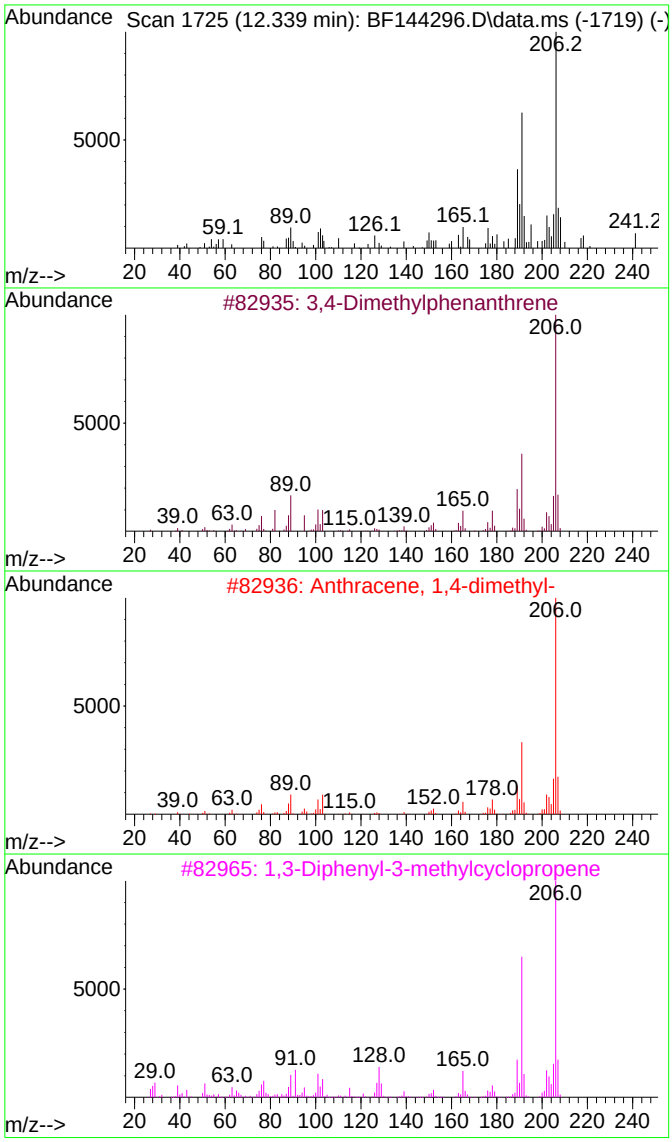
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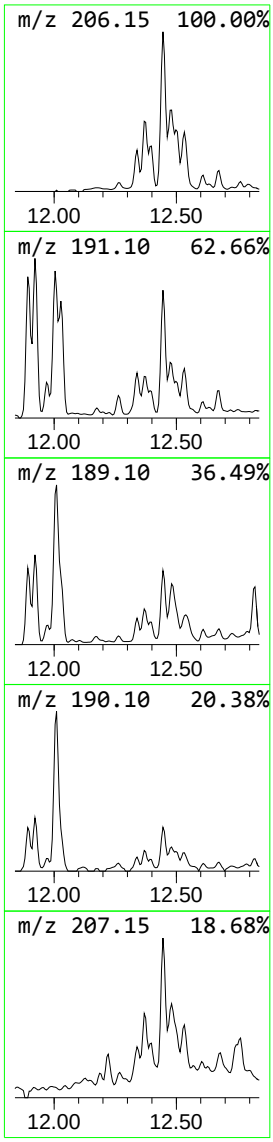
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Peak Number 8 3,4-Dimethylphenanthrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.339	2.22 ng	37119	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	93
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	92
3	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	90
4	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	90
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
Data File : BF144296.D
Acq On : 20 Nov 2025 15:59
Operator : RC/JU
Sample : Q3662-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B1-0.0-1.0-20251117

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

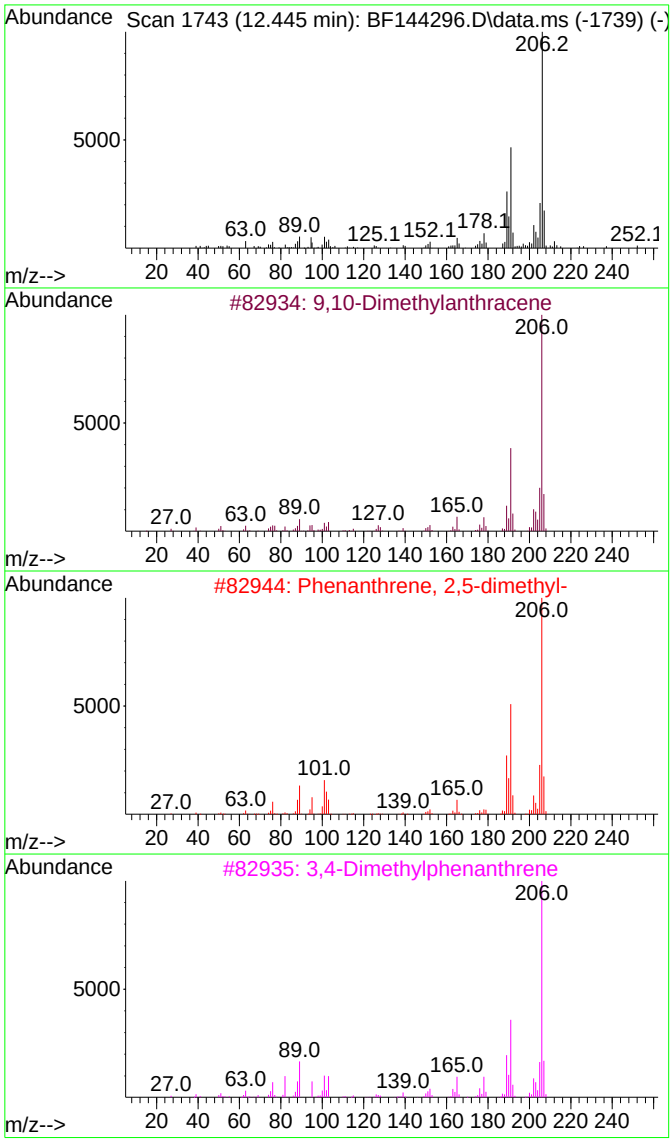
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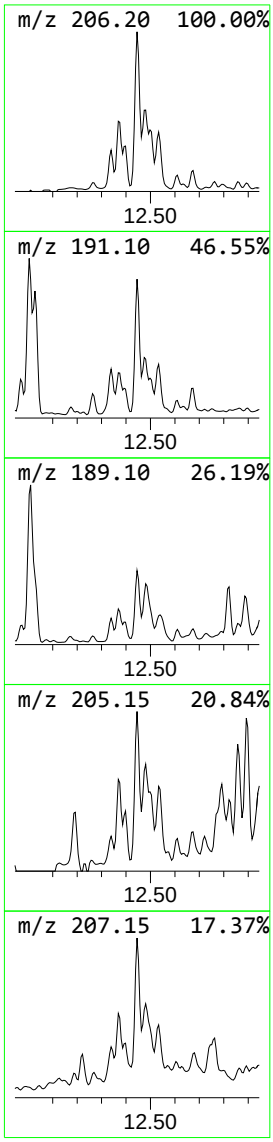
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Peak Number 9 9,10-Dimethylanthracene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.445	5.49 ng	91788	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
3	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
Data File : BF144296.D
Acq On : 20 Nov 2025 15:59
Operator : RC/JU
Sample : Q3662-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B1-0.0-1.0-20251117

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

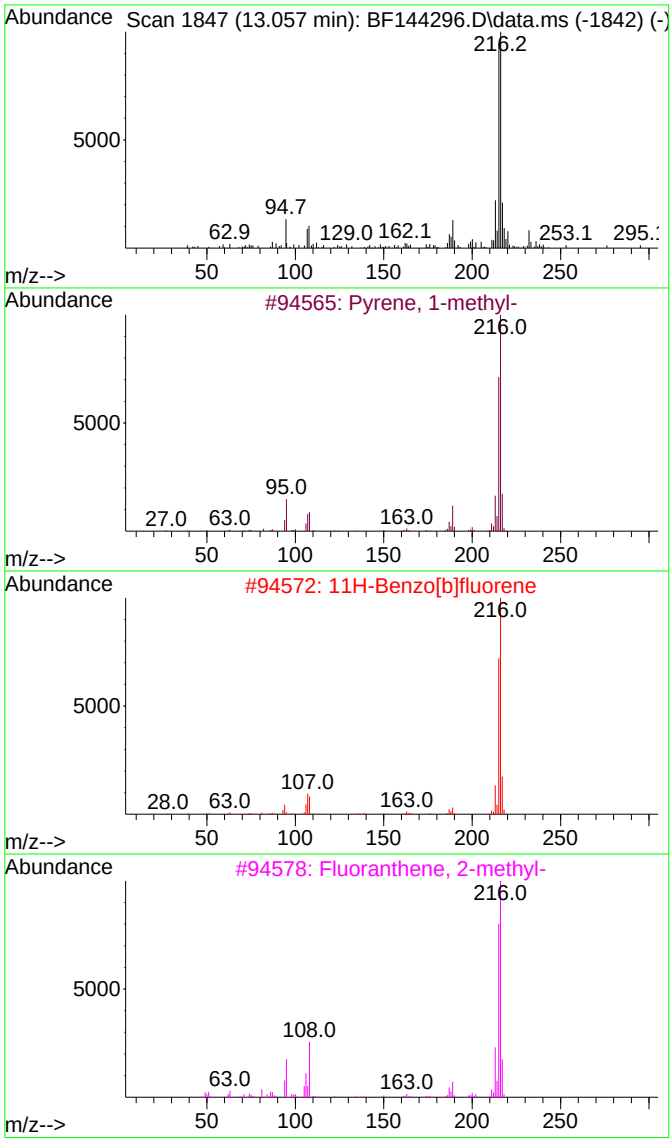
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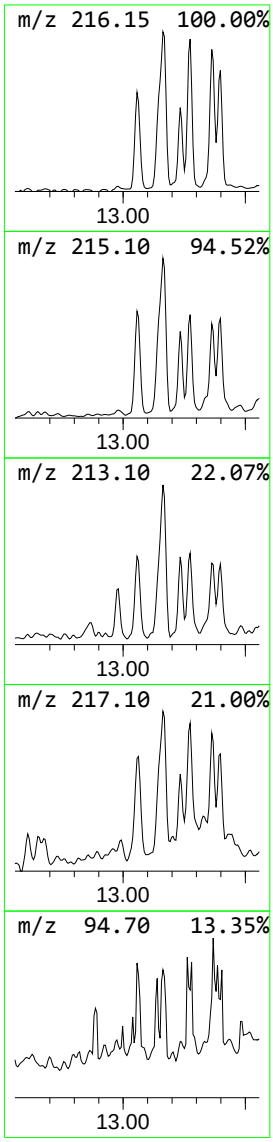
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Peak Number 13 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.057	2.85 ng	97747	Chrysene-d12	14.039

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
Data File : BF144296.D
Acq On : 20 Nov 2025 15:59
Operator : RC/JU
Sample : Q3662-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B1-0.0-1.0-20251117

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

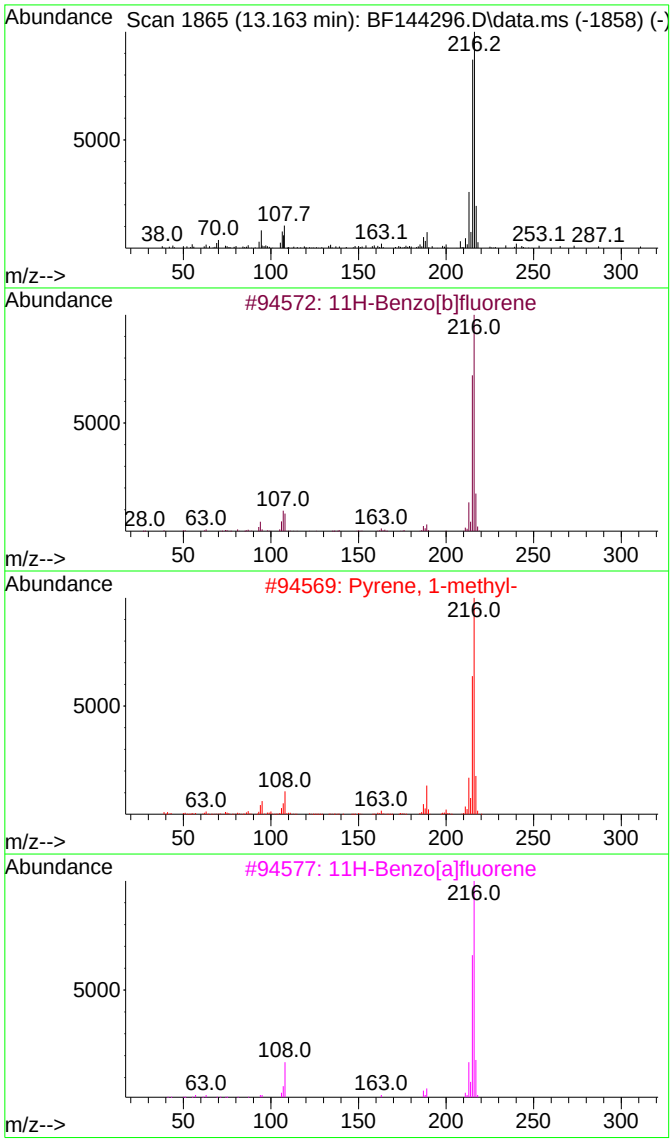
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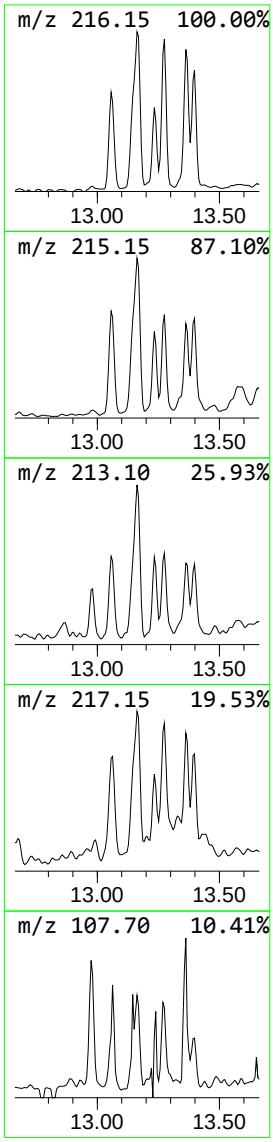
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Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.163	4.09 ng	140268	Chrysene-d12	14.039

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
Data File : BF144296.D
Acq On : 20 Nov 2025 15:59
Operator : RC/JU
Sample : Q3662-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B1-0.0-1.0-20251117

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

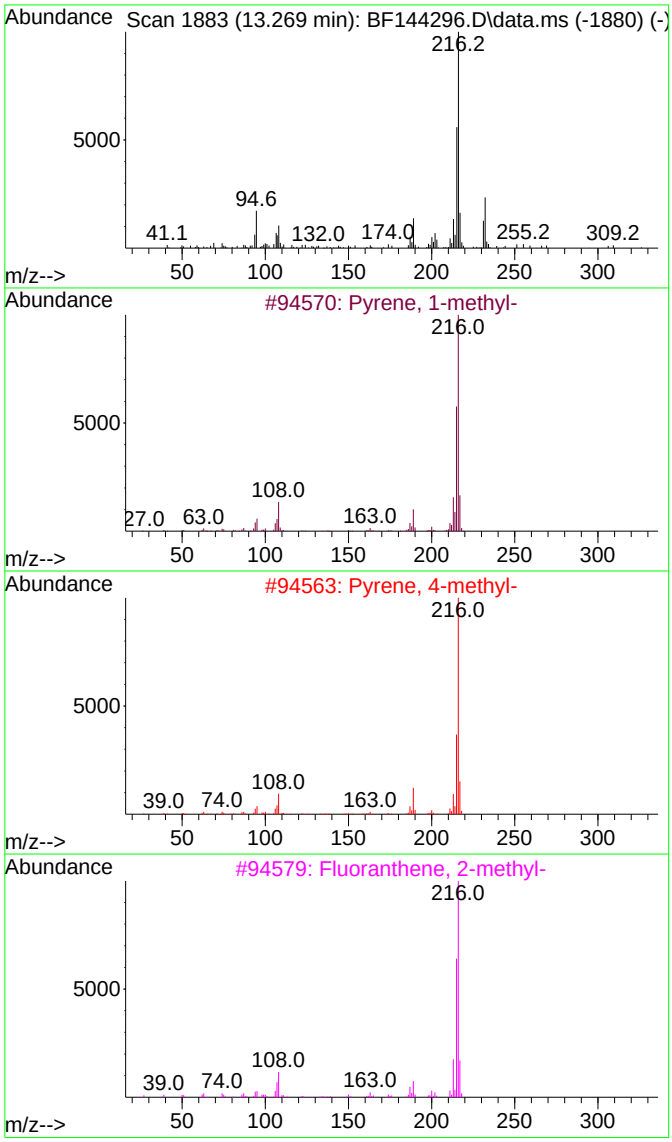
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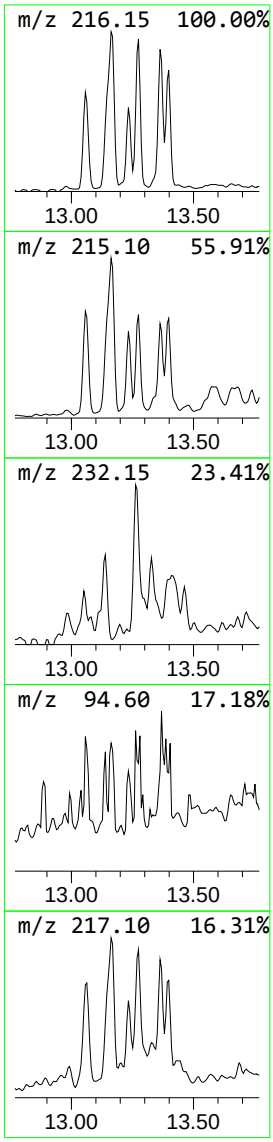
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Peak Number 15 Pyrene, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.269	2.71 ng	93061	Chrysene-d12	14.039

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
Data File : BF144296.D
Acq On : 20 Nov 2025 15:59
Operator : RC/JU
Sample : Q3662-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B1-0.0-1.0-20251117

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

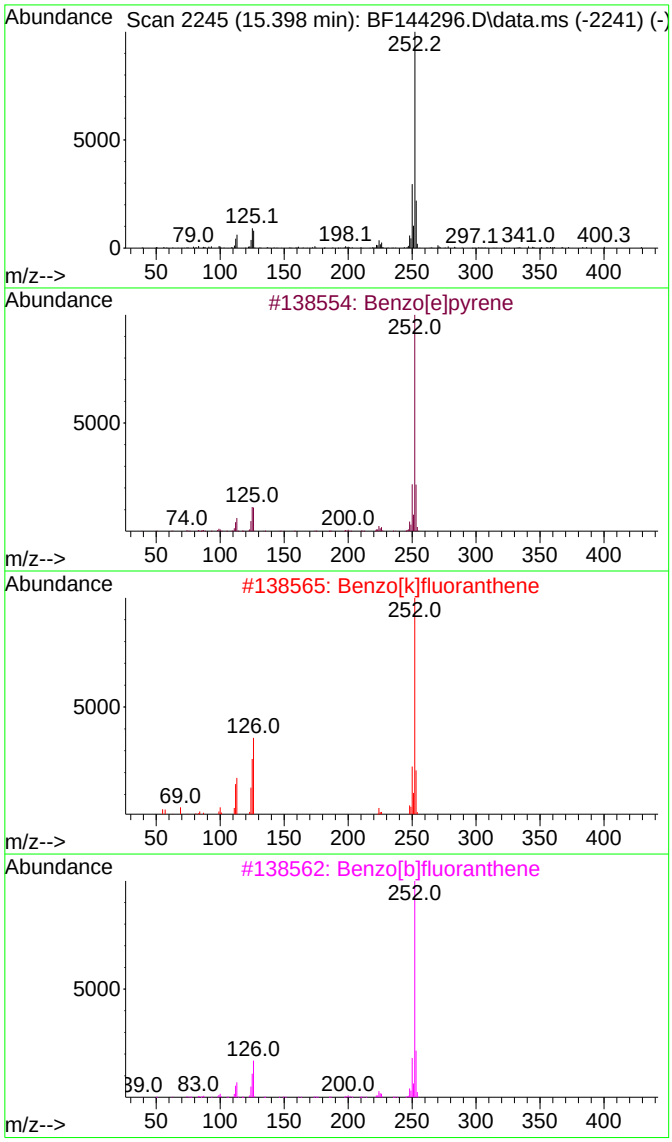
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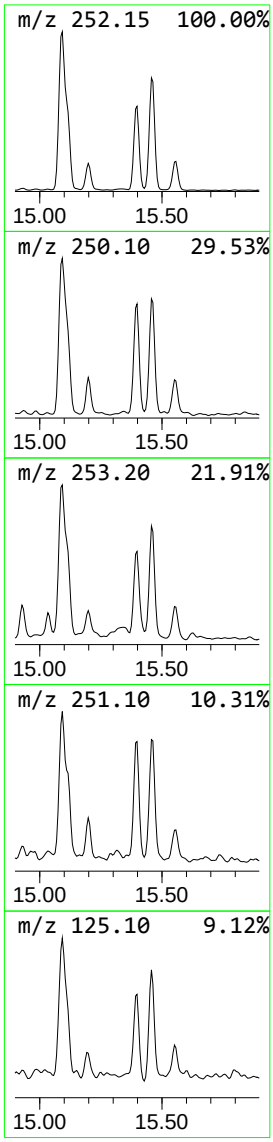
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Peak Number 17 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.398	12.32 ng	145272	Perylene-d12	15.521

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Sample Results: **BF144296.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
Data File : BF144296.D
Acq On : 20 Nov 2025 15:59
Operator : RC/JU
Sample : Q3662-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B1-0.0-1.0-20251117

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzophenone	10.610	5.0	ng	70791	3	9.898	280262	20.0
Phenanthrene, 2...	11.916	21.2	ng	354292	4	11.392	334681	20.0
9,10-Anthracene...	12.222	3.1	ng	51411	4	11.392	334681	20.0
3,4-Dimethylphe...	12.339	2.2	ng	37119	4	11.392	334681	20.0
9,10-Dimethylan...	12.445	5.5	ng	91788	4	11.392	334681	20.0
Pyrene, 1-methyl-	13.057	2.9	ng	97747	5	14.039	685615	20.0
11H-Benzo[b]flu...	13.163	4.1	ng	140268	5	14.039	685615	20.0
Pyrene, 4-methyl-	13.269	2.7	ng	93061	5	14.039	685615	20.0
Benzo[e]pyrene	15.398	12.3	ng	145272	6	15.521	235765	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
Data File : BF144291.D
Acq On : 20 Nov 2025 13:25
Operator : RC/JU
Sample : PB170631BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170631BL

Quant Time: Nov 20 13:44:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

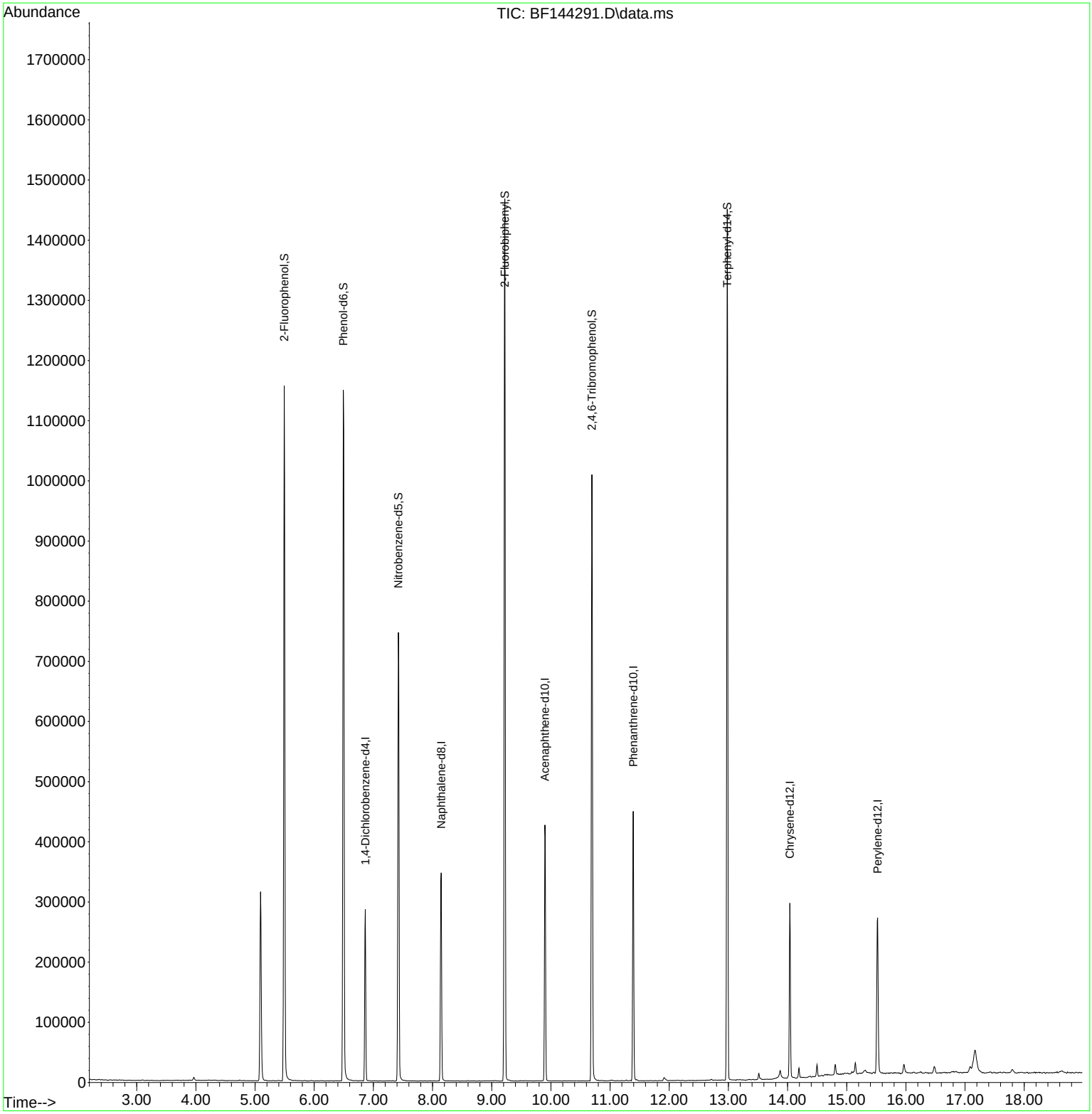
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	60075	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	236262	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	137092	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	248386	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	149201	20.000	ng	-0.01
86) Perylene-d12	15.521	264	167632	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	446789	116.383	ng	0.00
7) Phenol-d6	6.492	99	508633	116.931	ng	0.00
23) Nitrobenzene-d5	7.422	82	327629	80.090	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	208046	120.933	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	713101	76.825	ng	0.00
79) Terphenyl-d14	12.980	244	782498	83.305	ng	-0.01
Target Compounds						Qvalue

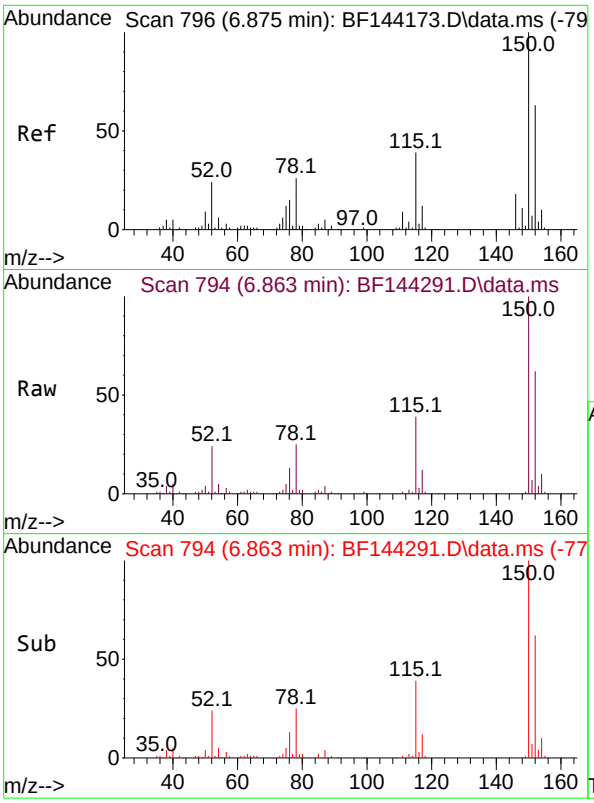
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
Data File : BF144291.D
Acq On : 20 Nov 2025 13:25
Operator : RC/JU
Sample : PB170631BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170631BL

Quant Time: Nov 20 13:44:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration



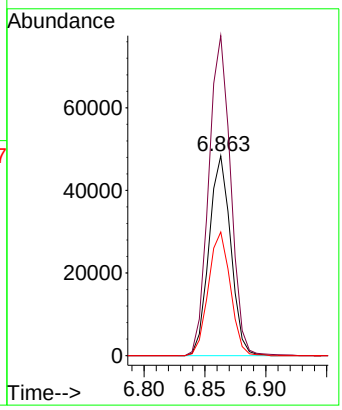


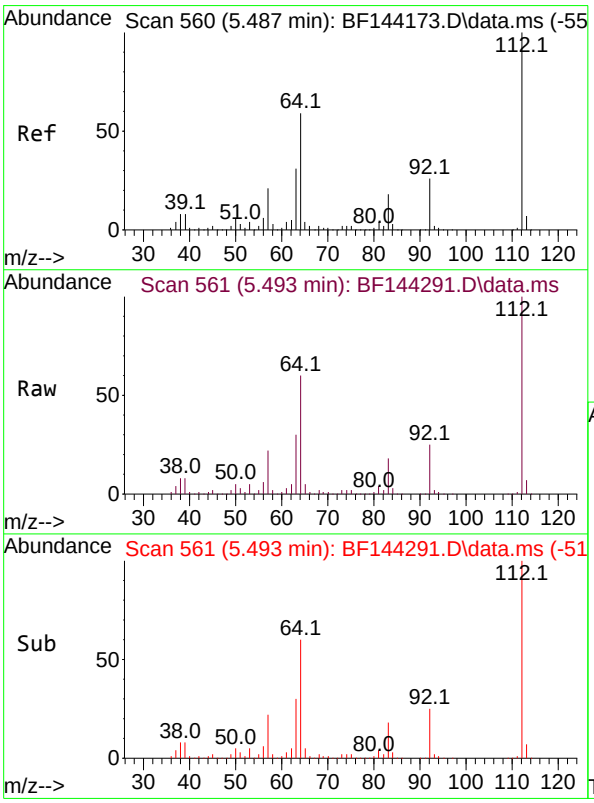
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF144291.D
Acq: 20 Nov 2025 13:25

Instrument :
BNA_F
ClientSampleId :
PB170631BL

Tgt Ion:152 Resp: 60075

Ion	Ratio	Lower	Upper
152	100		
150	160.2	127.4	191.0
115	61.9	49.5	74.3

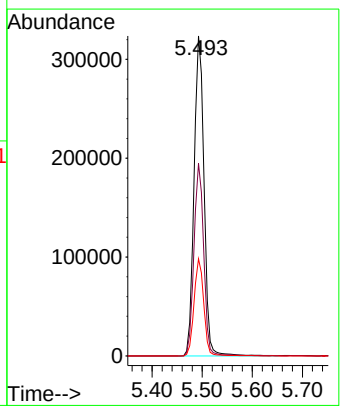


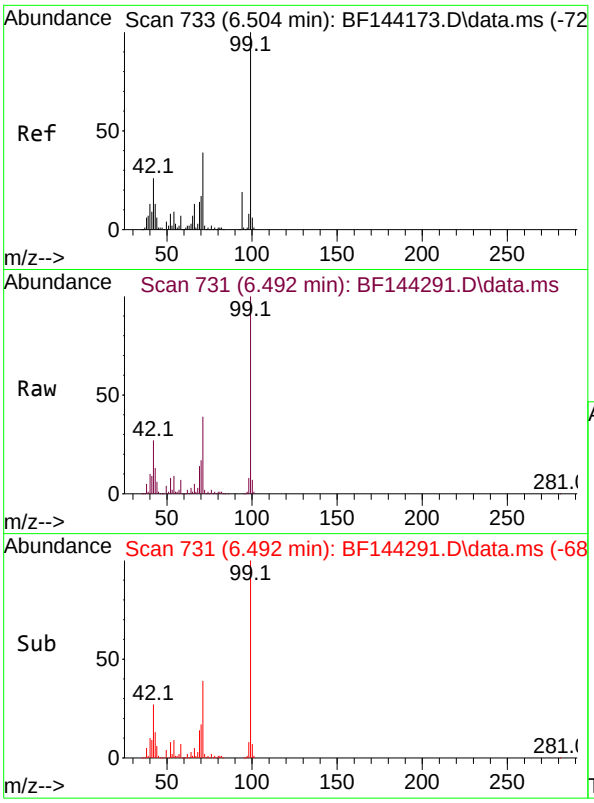


#5
2-Fluorophenol
Concen: 116.383 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.000 min
Lab File: BF144291.D
Acq: 20 Nov 2025 13:25

Tgt Ion:112 Resp: 446789

Ion	Ratio	Lower	Upper
112	100		
64	60.1	47.2	70.8
63	30.3	24.4	36.6



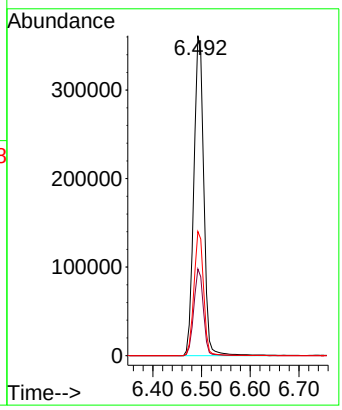


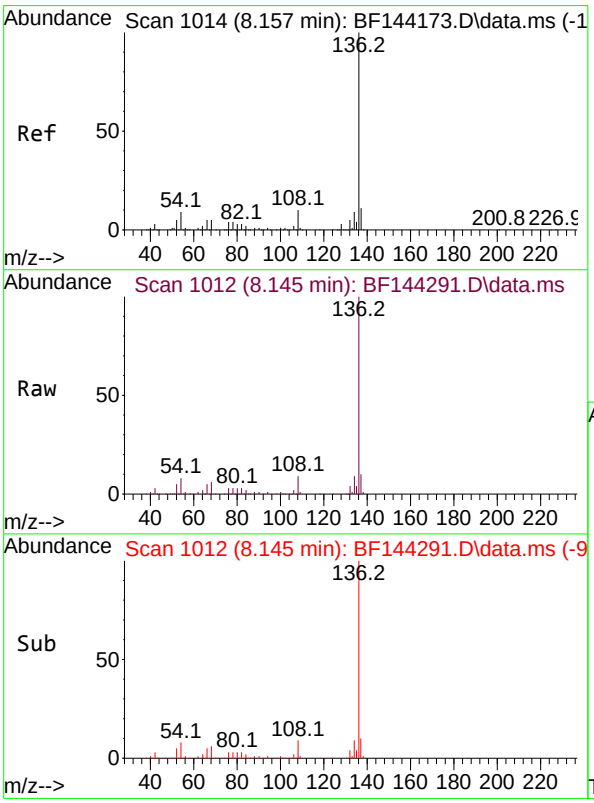
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Phenol-d6
Concen: 116.931 ng
RT: 6.492 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144291.D
Acq: 20 Nov 2025 13:25

Instrument :
BNA_F
ClientSampleId :
PB170631BL

Tgt Ion: 99 Resp: 508633

Ion	Ratio	Lower	Upper
99	100		
42	27.1	20.9	31.3
71	38.8	31.4	47.2

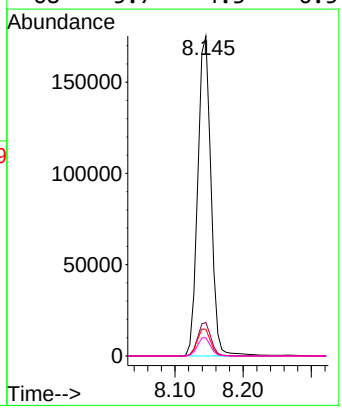


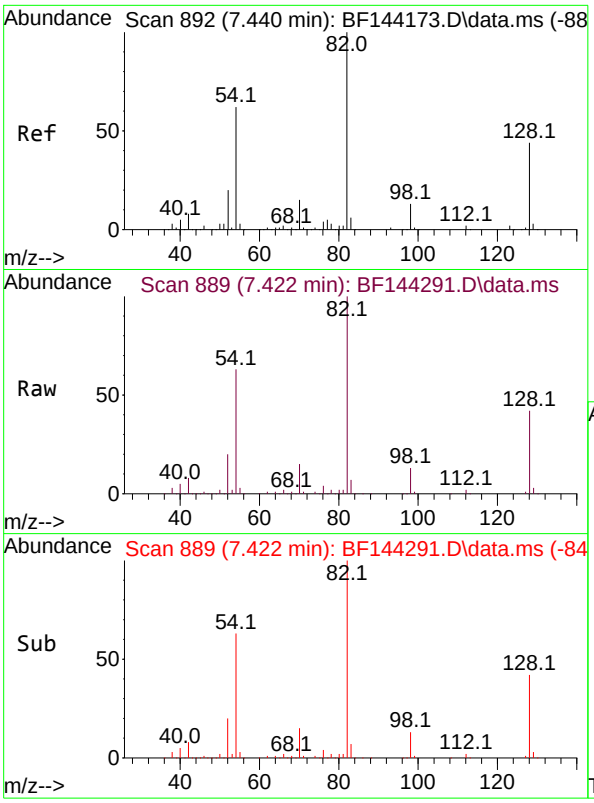


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144291.D
Acq: 20 Nov 2025 13:25

Tgt Ion:136 Resp: 236262

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	13.0
54	8.3	7.0	10.6
68	5.7	4.3	6.5



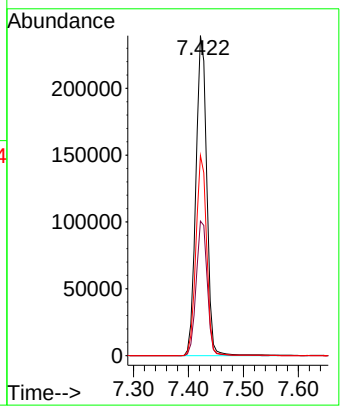


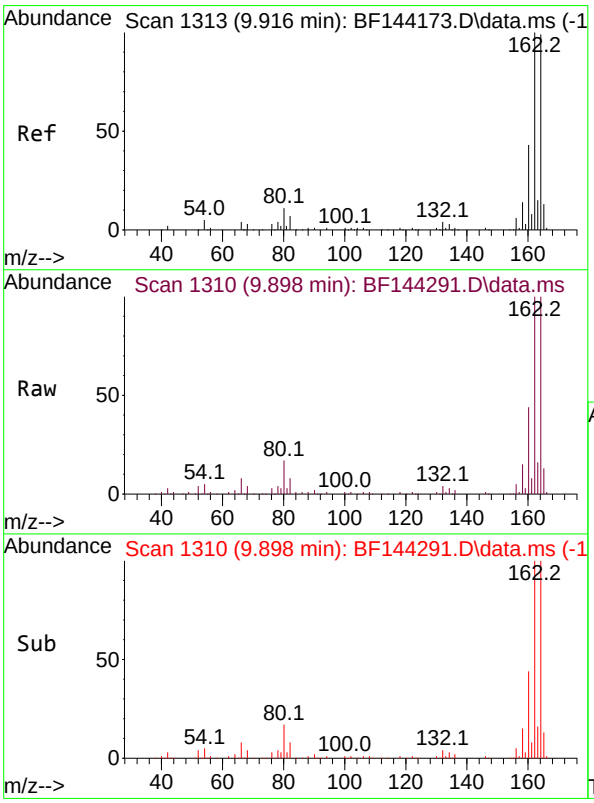
#23
Nitrobenzene-d5
Concen: 80.090 ng
RT: 7.422 min Scan# 88
Delta R.T. -0.012 min
Lab File: BF144291.D
Acq: 20 Nov 2025 13:25

Instrument :
BNA_F
ClientSampleId :
PB170631BL

Tgt Ion: 82 Resp: 327629

Ion	Ratio	Lower	Upper
82	100		
128	42.0	34.7	52.1
54	62.5	49.5	74.3

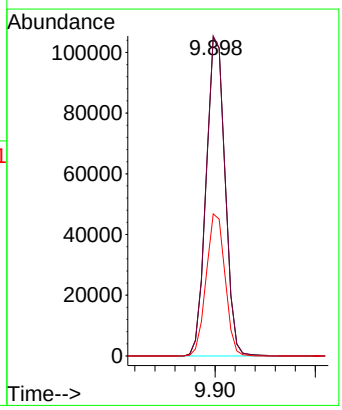


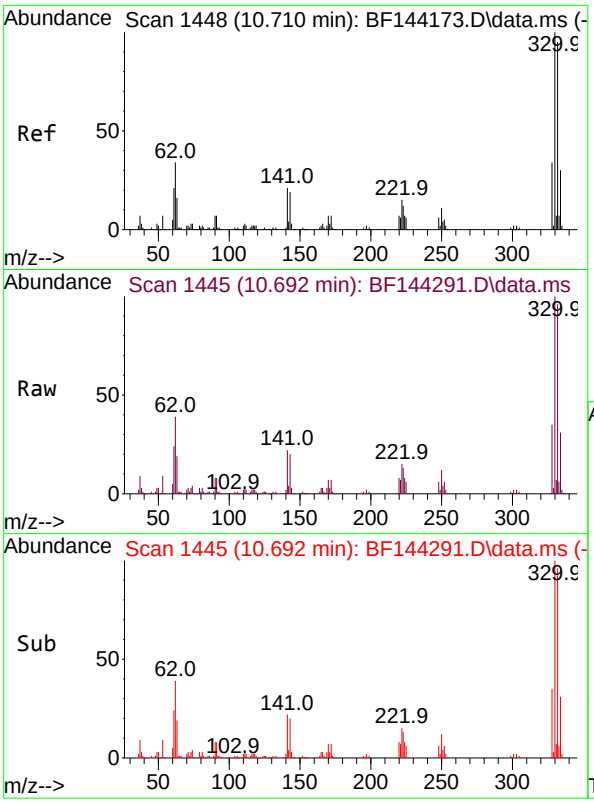


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.018 min
Lab File: BF144291.D
Acq: 20 Nov 2025 13:25

Tgt Ion:164 Resp: 137092

Ion	Ratio	Lower	Upper
164	100		
162	100.4	81.1	121.7
160	44.5	34.5	51.7



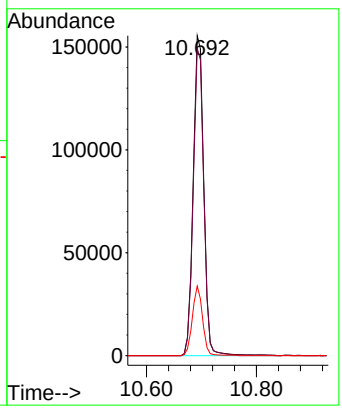


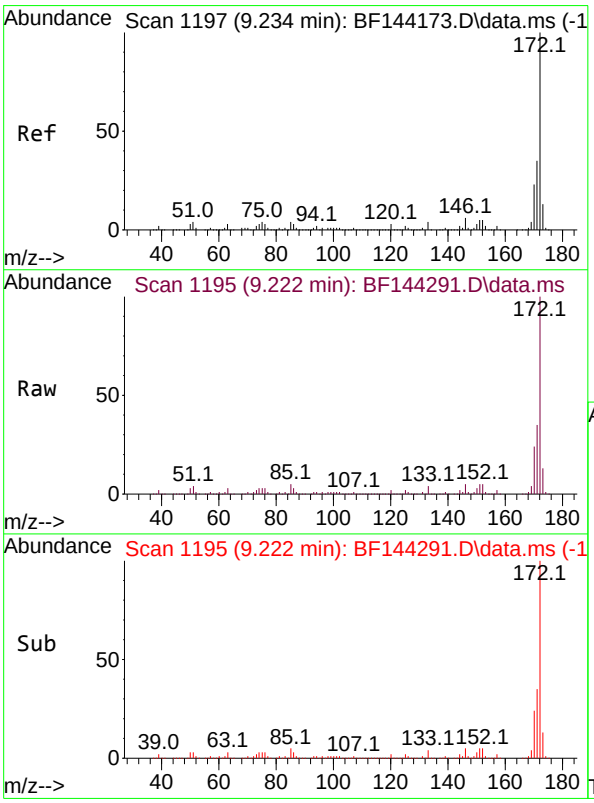
#42
2,4,6-Tribromophenol
Concen: 120.933 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF144291.D
Acq: 20 Nov 2025 13:25

Instrument :
BNA_F
ClientSampleId :
PB170631BL

Tgt Ion:330 Resp: 208046

Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.7	115.1
141	20.9	17.8	26.8

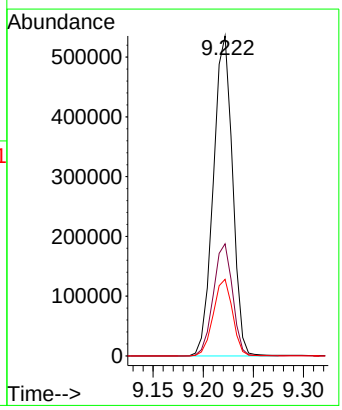


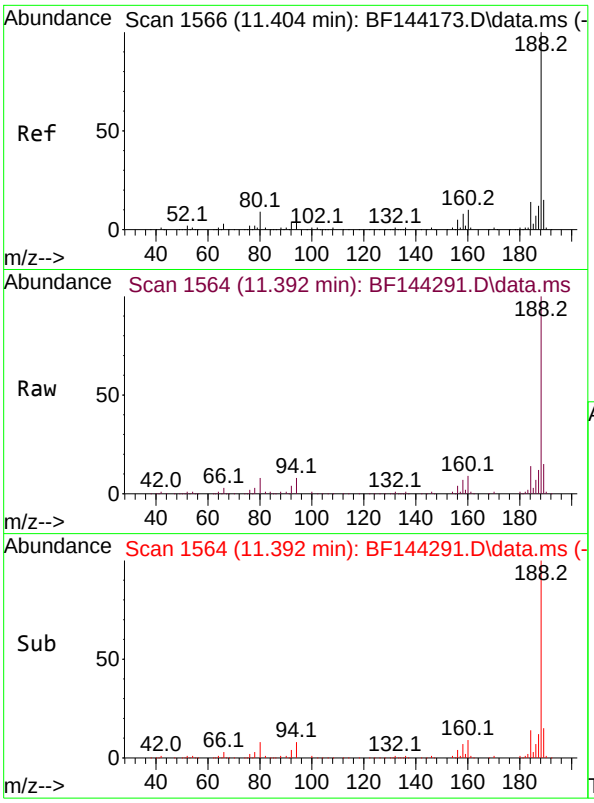


#45
2-Fluorobiphenyl
Concen: 76.825 ng
RT: 9.222 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF144291.D
Acq: 20 Nov 2025 13:25

Tgt Ion:172 Resp: 713101

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.1	42.1
170	23.9	18.6	28.0



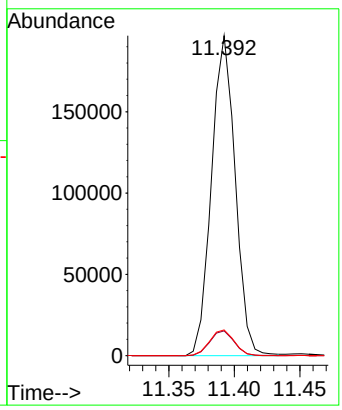


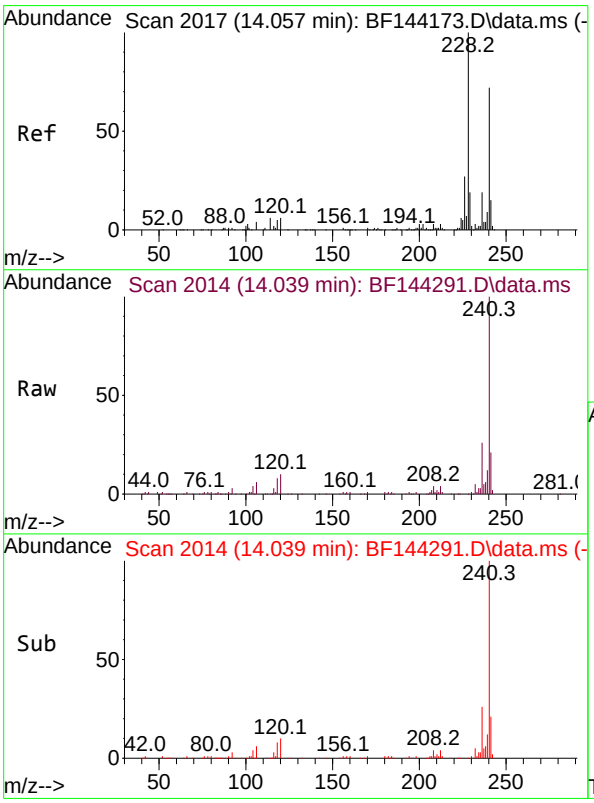
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144291.D
Acq: 20 Nov 2025 13:25

Instrument :
BNA_F
ClientSampleId :
PB170631BL

Tgt Ion:188 Resp: 248386

Ion	Ratio	Lower	Upper
188	100		
94	7.7	6.2	9.2
80	8.0	6.9	10.3

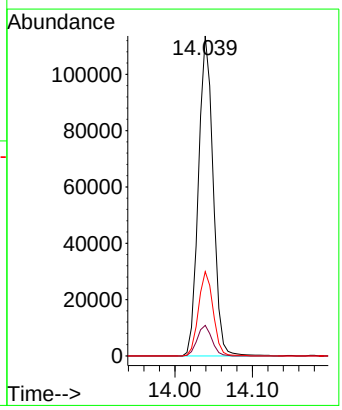


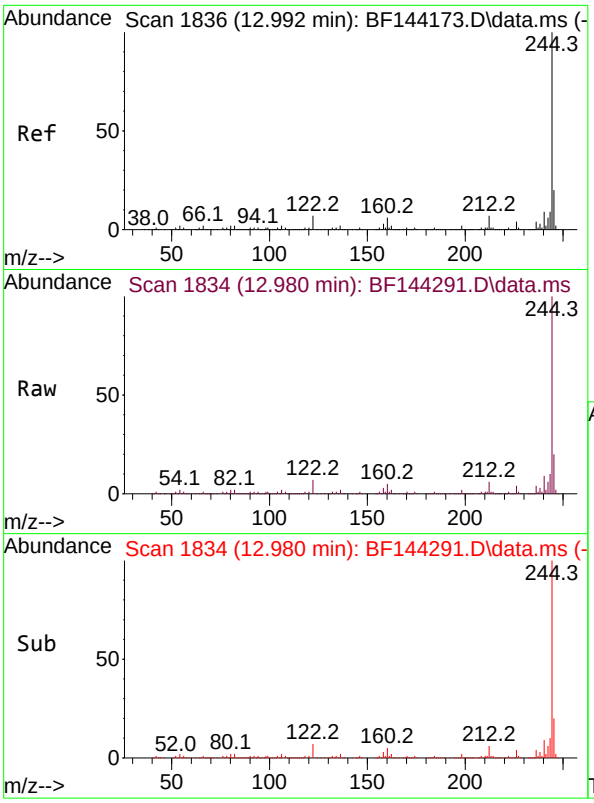


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF144291.D
Acq: 20 Nov 2025 13:25

Tgt Ion:240 Resp: 149201

Ion	Ratio	Lower	Upper
240	100		
120	9.5	6.6	10.0
236	26.3	21.4	32.2



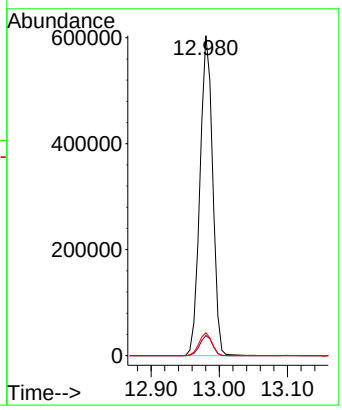


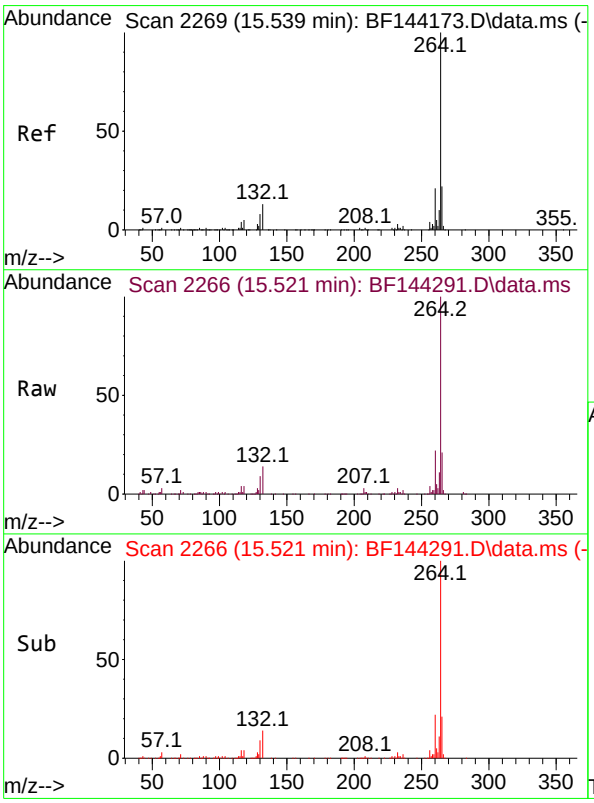
#79
Terphenyl-d14
Concen: 83.305 ng
RT: 12.980 min Scan# 18
Delta R.T. -0.012 min
Lab File: BF144291.D
Acq: 20 Nov 2025 13:25

Instrument :
BNA_F
ClientSampleId :
PB170631BL

Tgt Ion:244 Resp: 782498

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.3	7.9
122	7.1	5.6	8.4

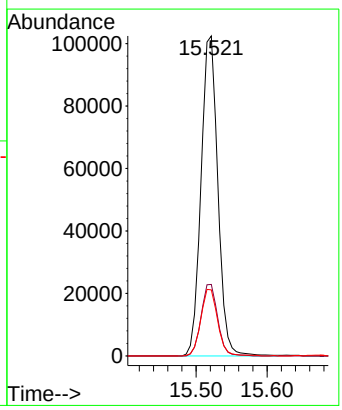




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF144291.D
Acq: 20 Nov 2025 13:25

Tgt Ion:264 Resp: 167632

Ion	Ratio	Lower	Upper
264	100		
260	22.3	17.1	25.7
265	20.6	17.4	26.0



Sample Results: **BF144291.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
Data File : BF144291.D
Acq On : 20 Nov 2025 13:25
Operator : RC/JU
Sample : PB170631BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170631BL

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:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF144291.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.093	487	493	505	rBV	313792	495170	25.43%	3.862%
2	5.493	555	561	577	rBV	1155557	1561487	80.20%	12.178%
3	6.492	725	731	743	rBV	1148039	1584505	81.38%	12.357%
4	6.863	789	794	801	rBV	284748	353774	18.17%	2.759%
5	7.422	883	889	904	rBV	745158	1013119	52.03%	7.901%
6	8.145	1006	1012	1025	rVB	345965	461641	23.71%	3.600%
7	9.222	1188	1195	1200	rBV	1466441	1947046	100.00%	15.185%
8	9.898	1305	1310	1321	rVB	425348	550534	28.28%	4.293%
9	10.692	1440	1445	1461	rBV	1007719	1315931	67.59%	10.263%
10	11.392	1559	1564	1571	rBV	447961	566119	29.08%	4.415%
11	12.980	1828	1834	1839	rBV	1448144	1865637	95.82%	14.550%
12	13.874	1974	1986	1997	rBV3	12943	30365	1.56%	0.237%
13	14.039	2009	2014	2023	rVB	289922	373017	19.16%	2.909%
14	14.192	2035	2040	2044	rBV	15747	20453	1.05%	0.160%
15	14.498	2087	2092	2097	rBV	19830	25955	1.33%	0.202%
16	14.804	2140	2144	2150	rBV	16068	23799	1.22%	0.186%
17	15.145	2198	2202	2209	rVB	18529	27384	1.41%	0.214%
18	15.521	2259	2266	2277	rBV	258473	425639	21.86%	3.319%
19	15.968	2337	2342	2347	rBV3	13922	25268	1.30%	0.197%
20	16.480	2424	2429	2436	rVB5	11276	24291	1.25%	0.189%
21	17.168	2536	2546	2559	rVB3	34452	131374	6.75%	1.025%

Sum of corrected areas: 12822508

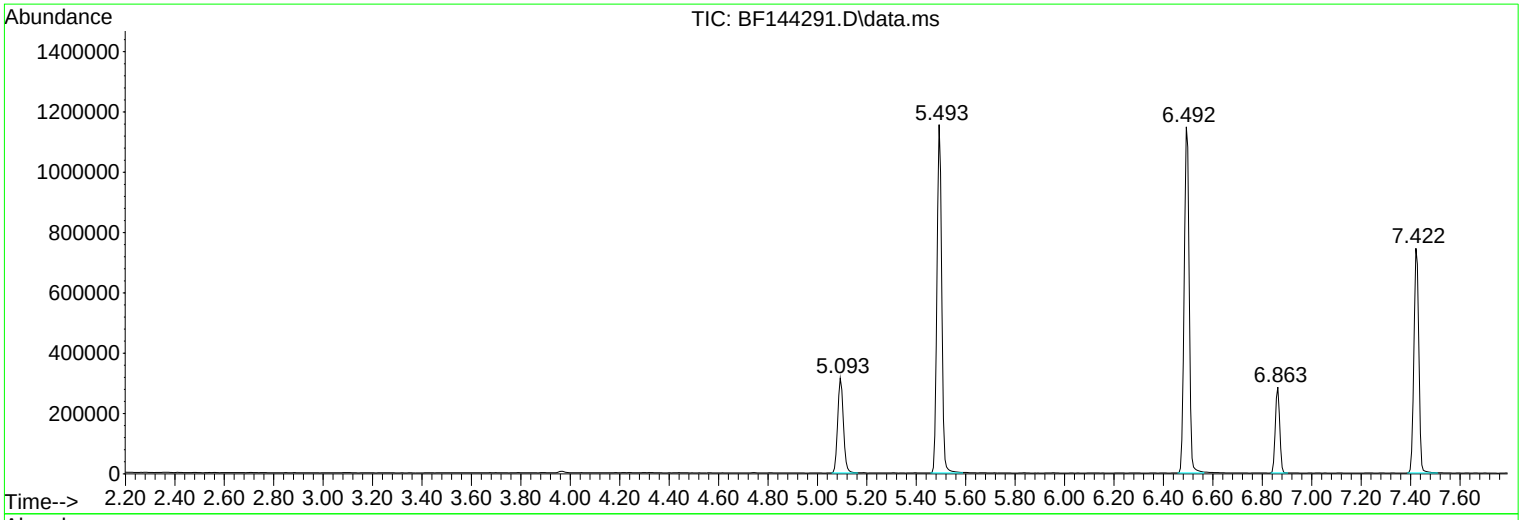
Sample Results: **BF144291.D**

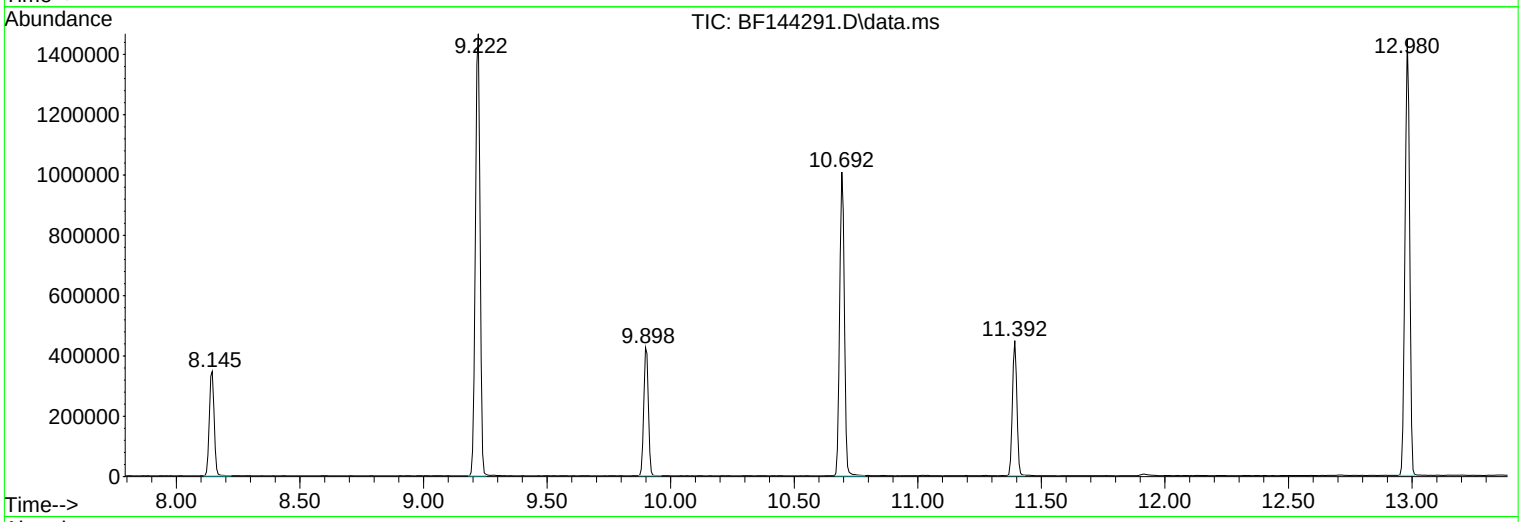
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
Data File : BF144291.D
Acq On : 20 Nov 2025 13:25
Operator : RC/JU
Sample : PB170631BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

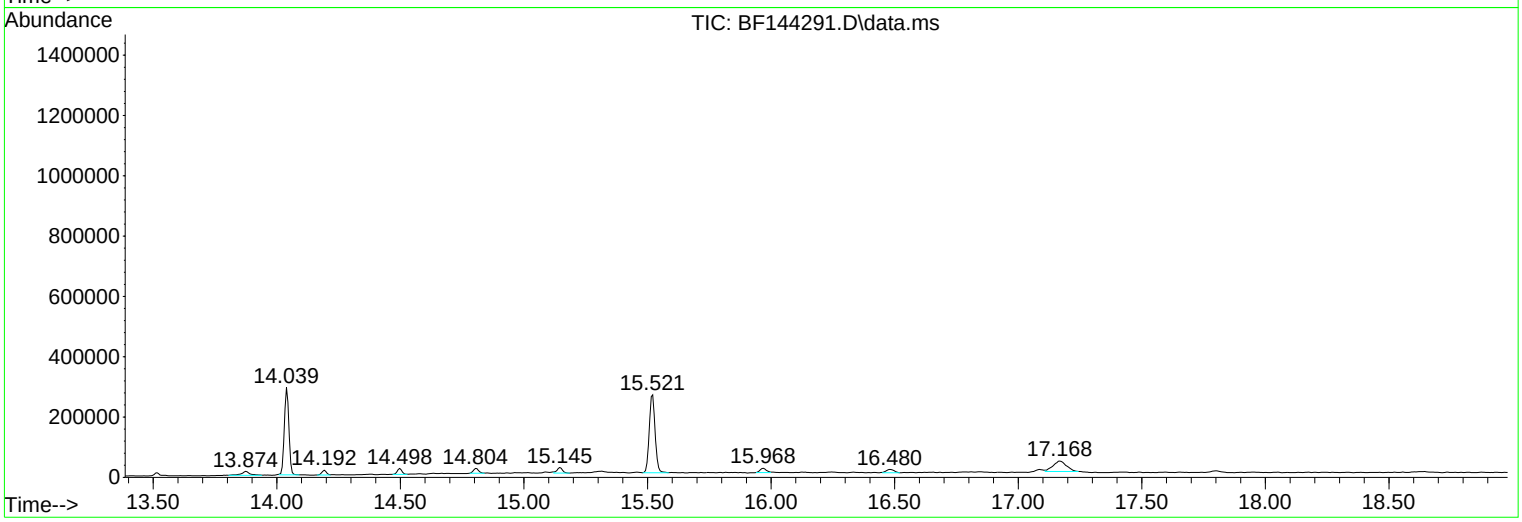
Instrument :
BNA_F
ClientSampleId :
PB170631BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
Data File : BF144291.D
Acq On : 20 Nov 2025 13:25
Operator : RC/JU
Sample : PB170631BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170631BL

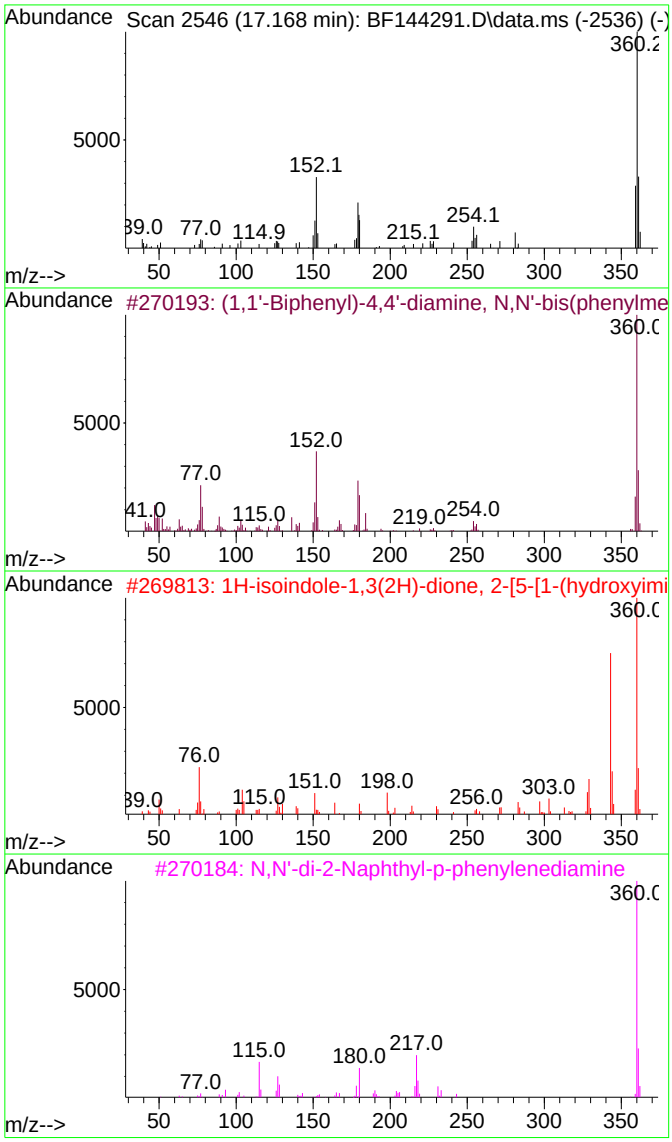
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

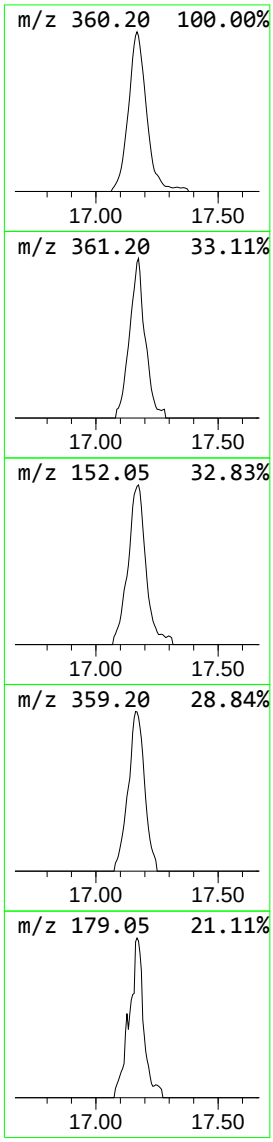
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (1,1'-Biphenyl)-4,4'-diamin... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.168	6.17 ng	131374	Perylene-d12	15.521

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1,1'-Biphenyl)-4,4'-diamine, N,...	360	C26H20N2	006311-48-4	87
2	1H-isoindole-1,3(2H)-dione, 2-[5...	360	C21H16N2O4	1000398-48-8	47
3	N,N'-di-2-Naphthyl-p-phenylenedi...	360	C26H20N2	000093-46-9	38
4	3-[4-(Methoxymethyl)phenyl]-2-(2...	360	C23H20O2S	1000458-33-8	38
5	1,10-Phenanthroline, 2,9-dimethy...	360	C26H20N2	004733-39-5	37





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
Data File : BF144291.D
Acq On : 20 Nov 2025 13:25
Operator : RC/JU
Sample : PB170631BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170631BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(1,1'-Biphenyl)...	17.168	6.2	ng	131374	6	15.521	425639	20.0

Sample Results: **BF144292.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
Data File : BF144292.D
Acq On : 20 Nov 2025 13:54
Operator : RC/JU
Sample : PB170631BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 20 14:18:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB170631BS

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.863	152	64956	20.000	ng		-0.01
21) Naphthalene-d8	8.145	136	256491	20.000	ng		-0.01
39) Acenaphthene-d10	9.904	164	147675	20.000	ng		-0.01
64) Phenanthrene-d10	11.392	188	246268	20.000	ng		-0.01
76) Chrysene-d12	14.045	240	145057	20.000	ng		0.00
86) Perylene-d12	15.521	264	168439	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.492	112	470733	113.406	ng		0.00
7) Phenol-d6	6.498	99	545318	115.944	ng		0.00
23) Nitrobenzene-d5	7.428	82	350945	79.024	ng		0.00
42) 2,4,6-Tribromophenol	10.698	330	217640	117.443	ng		0.00
45) 2-Fluorobiphenyl	9.222	172	759358	75.945	ng		0.00
79) Terphenyl-d14	12.980	244	767648	84.059	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.687	88	66630	38.827	ng		100
3) Pyridine	3.457	79	172131	35.953	ng		98
4) n-Nitrosodimethylamine	3.398	42	107324	42.915	ng		93
6) Aniline	6.528	93	209370	31.244	ng	#	86
8) 2-Chlorophenol	6.651	128	173619	42.651	ng		99
9) Benzaldehyde	6.416	77	65954	24.834	ng		99
10) Phenol	6.516	94	233571	40.646	ng		86
11) bis(2-Chloroethyl)ether	6.598	93	183970	43.936	ng		99
12) 1,3-Dichlorobenzene	6.804	146	206809	41.171	ng		99
13) 1,4-Dichlorobenzene	6.881	146	213099	42.346	ng		98
14) 1,2-Dichlorobenzene	7.034	146	203406	42.170	ng		99
15) Benzyl Alcohol	7.010	79	168811	45.328	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.139	45	339051	43.971	ng		99
17) 2-Methylphenol	7.122	107	141706	43.758	ng		95
18) Hexachloroethane	7.375	117	68501	40.972	ng		99
19) n-Nitroso-di-n-propyla...	7.275	70	130426	42.125	ng		93
20) 3+4-Methylphenols	7.275	107	164001	42.960	ng		93
22) Acetophenone	7.275	105	250774	45.576	ng		97
24) Nitrobenzene	7.445	77	199168	41.305	ng		99
25) Isophorone	7.686	82	373814	44.500	ng		99
26) 2-Nitrophenol	7.763	139	103624	43.413	ng		97
27) 2,4-Dimethylphenol	7.798	122	168863	47.200	ng		97
28) bis(2-Chloroethoxy)met...	7.892	93	230384	43.919	ng		99
29) 2,4-Dichlorophenol	8.004	162	174696	42.367	ng		99
30) 1,2,4-Trichlorobenzene	8.086	180	179426	42.376	ng		98
31) Naphthalene	8.169	128	500681	41.036	ng		99
32) Benzoic acid	7.939	122	140381	53.531	ng		93
33) 4-Chloroaniline	8.216	127	117376	26.377	ng		99
34) Hexachlorobutadiene	8.281	225	126366	39.600	ng		99
35) Caprolactam	8.592	113	54749m	48.464	ng		
36) 4-Chloro-3-methylphenol	8.704	107	164164	44.423	ng		99
37) 2-Methylnaphthalene	8.857	142	316647	38.817	ng		100
38) 1-Methylnaphthalene	8.957	142	317678	40.360	ng		98
40) 1,2,4,5-Tetrachloroben...	9.028	216	206268	42.619	ng		99
41) Hexachlorocyclopentadiene	9.010	237	139695	75.578	ng		97
43) 2,4,6-Trichlorophenol	9.139	196	138394	42.013	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
Data File : BF144292.D
Acq On : 20 Nov 2025 13:54
Operator : RC/JU
Sample : PB170631BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 20 14:18:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB170631BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	147482	41.542	ng	98
46) 1,1'-Biphenyl	9.322	154	468833	45.482	ng	99
47) 2-Chloronaphthalene	9.351	162	356498	40.543	ng	99
48) 2-Nitroaniline	9.451	65	111786	44.061	ng	94
49) Acenaphthylene	9.769	152	548624	45.786	ng	99
50) Dimethylphthalate	9.627	163	431866	44.144	ng	99
51) 2,6-Dinitrotoluene	9.692	165	91017	45.958	ng	97
52) Acenaphthene	9.939	154	309875	38.672	ng	99
53) 3-Nitroaniline	9.863	138	71538	33.044	ng	96
54) 2,4-Dinitrophenol	9.975	184	107086	89.545	ng	98
55) Dibenzofuran	10.110	168	457873	40.800	ng	99
56) 4-Nitrophenol	10.033	139	125541	80.166	ng	98
57) 2,4-Dinitrotoluene	10.098	165	120677	45.518	ng	94
58) Fluorene	10.457	166	359964	42.188	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	112290	44.705	ng	97
60) Diethylphthalate	10.327	149	402192	44.596	ng	99
61) 4-Chlorophenyl-phenyle...	10.445	204	200437	41.240	ng	98
62) 4-Nitroaniline	10.480	138	89447	43.385	ng	96
63) Azobenzene	10.604	77	371851	44.303	ng	99
65) 4,6-Dinitro-2-methylph...	10.510	198	74303	44.413	ng	99
66) n-Nitrosodiphenylamine	10.563	169	358438	45.254	ng	99
67) 4-Bromophenyl-phenylether	10.933	248	133783	42.560	ng	97
68) Hexachlorobenzene	11.004	284	156941	42.388	ng	97
69) Atrazine	11.092	200	121432	48.208	ng	97
70) Pentachlorophenol	11.204	266	163403	88.628	ng	98
71) Phenanthrene	11.421	178	533588	43.518	ng	99
72) Anthracene	11.474	178	528976	42.428	ng	99
73) Carbazole	11.627	167	454949	42.913	ng	98
74) Di-n-butylphthalate	11.951	149	595563	46.469	ng	100
75) Fluoranthene	12.610	202	526871	41.597	ng	100
77) Benzidine	12.733	184	81512	18.997	ng	100
78) Pyrene	12.839	202	517997	44.289	ng	99
80) Butylbenzylphthalate	13.457	149	191861	47.331	ng	97
81) Benzo(a)anthracene	14.033	228	451245	44.884	ng	99
82) 3,3'-Dichlorobenzidine	13.992	252	122492	35.545	ng	96
83) Chrysene	14.068	228	414304	44.641	ng	99
84) Bis(2-ethylhexyl)phtha...	14.010	149	252215	45.451	ng	99
85) Di-n-octyl phthalate	14.627	149	420561	43.927	ng	99
87) Indeno(1,2,3-cd)pyrene	17.021	276	479577	39.663	ng	98
88) Benzo(b)fluoranthene	15.086	252	484028	50.545	ng	100
89) Benzo(k)fluoranthene	15.121	252	429632	47.933	ng	98
90) Benzo(a)pyrene	15.457	252	439597	49.760	ng	99
91) Dibenzo(a,h)anthracene	17.033	278	395045	40.682	ng	98
92) Benzo(g,h,i)perylene	17.474	276	373437	38.943	ng	99

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

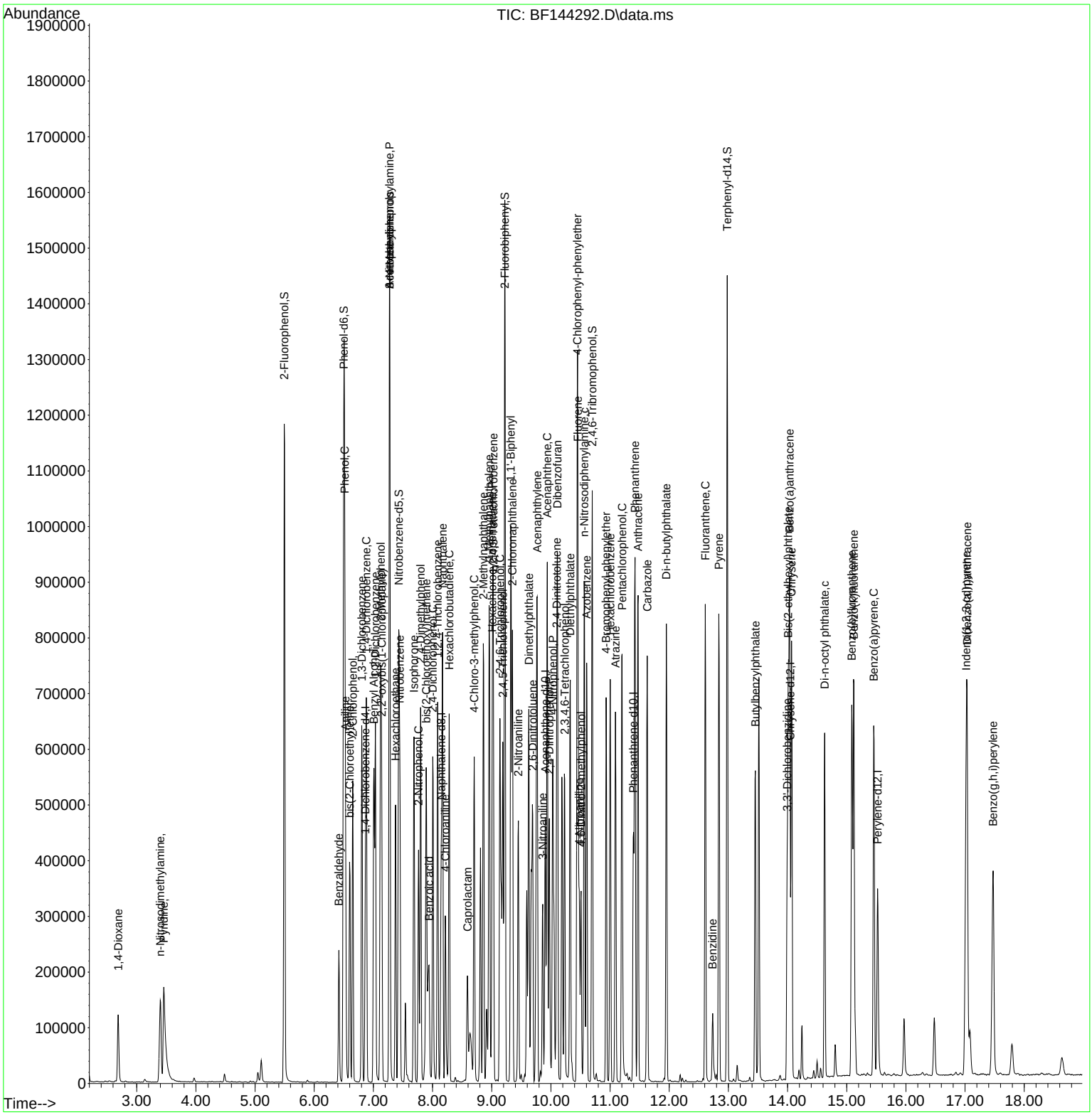
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
Data File : BF144292.D
Acq On : 20 Nov 2025 13:54
Operator : RC/JU
Sample : PB170631BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 20 14:18:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB170631BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
Data File : BF144303.D
Acq On : 20 Nov 2025 19:26
Operator : RC/JU
Sample : Q3662-02MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B3-0.0-1.0-20251117MS

Quant Time: Nov 20 23:59:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.863	152	47796	20.000	ng		-0.01
21) Naphthalene-d8	8.145	136	175247	20.000	ng		-0.01
39) Acenaphthene-d10	9.904	164	88326	20.000	ng		-0.01
64) Phenanthrene-d10	11.392	188	153411	20.000	ng		-0.01
76) Chrysene-d12	14.045	240	129309	20.000	ng		0.00
86) Perylene-d12	15.521	264	103273	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.493	112	215853	70.672	ng		0.00
7) Phenol-d6	6.498	99	242523	70.078	ng		0.00
23) Nitrobenzene-d5	7.428	82	148501	48.940	ng		0.00
42) 2,4,6-Tribromophenol	10.698	330	72543	65.449	ng		0.00
45) 2-Fluorobiphenyl	9.222	172	301591	50.430	ng		0.00
79) Terphenyl-d14	12.980	244	342368	42.056	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.669	88	63317	50.143	ng		98
3) Pyridine	3.434	79	164219	46.615	ng		97
4) n-Nitrosodimethylamine	3.381	42	90534	49.199	ng		91
6) Aniline	6.528	93	67950	13.781	ng	#	85
8) 2-Chlorophenol	6.651	128	135084	45.098	ng		98
9) Benzaldehyde	6.416	77	73252	37.484	ng		98
10) Phenol	6.510	94	184062	43.531	ng		96
11) bis(2-Chloroethyl)ether	6.598	93	144683	46.959	ng		98
12) 1,3-Dichlorobenzene	6.804	146	171695	46.453	ng		98
13) 1,4-Dichlorobenzene	6.881	146	172341	46.542	ng		98
14) 1,2-Dichlorobenzene	7.034	146	165526	46.637	ng		98
15) Benzyl Alcohol	7.004	79	126922	46.316	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.139	45	260222	45.864	ng		99
17) 2-Methylphenol	7.122	107	107301	45.030	ng		98
18) Hexachloroethane	7.375	117	52802	42.920	ng		97
19) n-Nitroso-di-n-propyla...	7.275	70	102677	45.068	ng		98
20) 3+4-Methylphenols	7.275	107	125726	44.758	ng	#	89
22) Acetophenone	7.275	105	178429	47.462	ng		97
24) Nitrobenzene	7.445	77	151066	45.853	ng		99
25) Isophorone	7.686	82	267312	46.574	ng		99
26) 2-Nitrophenol	7.763	139	63205	38.755	ng		97
27) 2,4-Dimethylphenol	7.798	122	122563	50.140	ng		99
28) bis(2-Chloroethoxy)met...	7.892	93	167606	46.764	ng		97
29) 2,4-Dichlorophenol	8.010	162	120659	42.827	ng		98
30) 1,2,4-Trichlorobenzene	8.086	180	133419	46.118	ng		96
31) Naphthalene	8.169	128	374098	44.876	ng		99
32) Benzoic acid	7.910	122	60596	33.819	ng		96
33) 4-Chloroaniline	8.222	127	34485	11.342	ng		98
34) Hexachlorobutadiene	8.281	225	91710	42.063	ng		97
35) Caprolactam	8.586	113	34548	44.759	ng		93
36) 4-Chloro-3-methylphenol	8.704	107	104964	41.571	ng		99
37) 2-Methylnaphthalene	8.857	142	224064	40.201	ng		98
38) 1-Methylnaphthalene	8.957	142	220613	41.022	ng		100
40) 1,2,4,5-Tetrachloroben...	9.028	216	134695	46.531	ng		99
41) Hexachlorocyclopentadiene	9.010	237	24125	29.996	ng		96
43) 2,4,6-Trichlorophenol	9.139	196	87192	44.255	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
Data File : BF144303.D
Acq On : 20 Nov 2025 19:26
Operator : RC/JU
Sample : Q3662-02MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B3-0.0-1.0-20251117MS

Quant Time: Nov 20 23:59:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

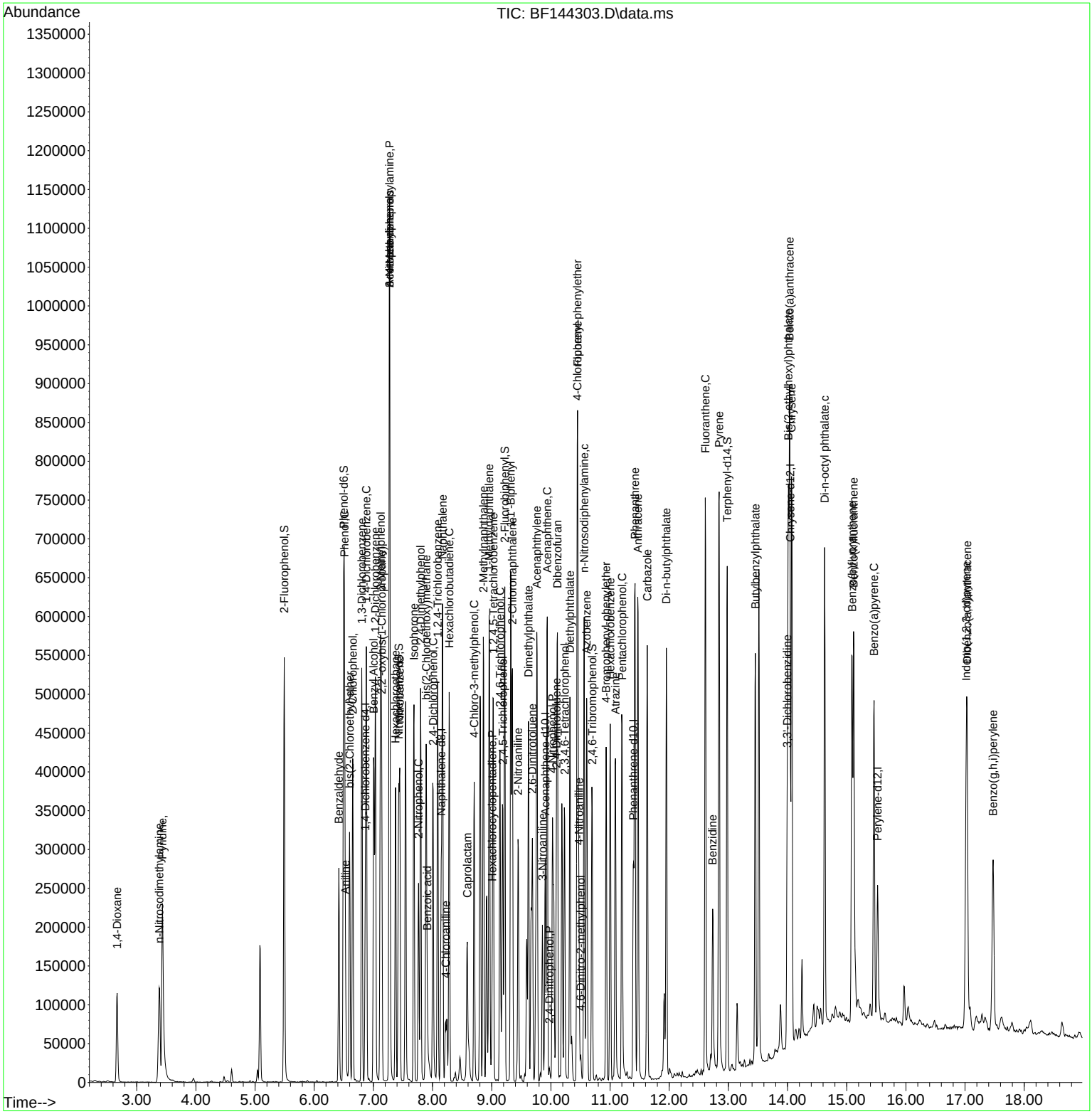
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	92551	43.586	ng		99
46) 1,1'-Biphenyl	9.322	154	290901	47.183	ng		100
47) 2-Chloronaphthalene	9.351	162	237319	45.125	ng		99
48) 2-Nitroaniline	9.445	65	75092	49.486	ng		99
49) Acenaphthylene	9.763	152	364796	50.901	ng		100
50) Dimethylphthalate	9.622	163	282211	48.229	ng		100
51) 2,6-Dinitrotoluene	9.686	165	57819	48.812	ng		95
52) Acenaphthene	9.939	154	194937	40.675	ng		99
53) 3-Nitroaniline	9.857	138	43949	33.941	ng		100
54) 2,4-Dinitrophenol	9.975	184	5029	7.031	ng		93
55) Dibenzofuran	10.110	168	301970	44.988	ng		100
56) 4-Nitrophenol	10.028	139	84871	90.611	ng		94
57) 2,4-Dinitrotoluene	10.092	165	73241	46.188	ng	#	99
58) Fluorene	10.451	166	234298	45.911	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	70902	47.194	ng		100
60) Diethylphthalate	10.322	149	256137	47.485	ng		99
61) 4-Chlorophenyl-phenyle...	10.445	204	126225	43.421	ng		99
62) 4-Nitroaniline	10.475	138	58579	47.505	ng		95
63) Azobenzene	10.604	77	246183	49.039	ng		95
65) 4,6-Dinitro-2-methylph...	10.504	198	5944	5.703	ng		98
66) n-Nitrosodiphenylamine	10.563	169	225030	45.607	ng		100
67) 4-Bromophenyl-phenylether	10.933	248	82595	42.180	ng		97
68) Hexachlorobenzene	11.004	284	99968	43.343	ng		96
69) Atrazine	11.092	200	75460	48.090	ng		98
70) Pentachlorophenol	11.204	266	97266	84.688	ng		97
71) Phenanthrene	11.422	178	364570	47.730	ng		99
72) Anthracene	11.469	178	364256	46.900	ng		100
73) Carbazole	11.627	167	333099	50.437	ng		99
74) Di-n-butylphthalate	11.951	149	392037	49.104	ng		99
75) Fluoranthene	12.610	202	455093	57.678	ng		99
77) Benzidine	12.733	184	133834	34.990	ng		97
78) Pyrene	12.845	202	471853	45.257	ng		100
80) Butylbenzylphthalate	13.457	149	177107	49.012	ng		97
81) Benzo(a)anthracene	14.033	228	436124	48.663	ng		99
82) 3,3'-Dichlorobenzidine	13.992	252	105242	34.259	ng		97
83) Chrysene	14.068	228	402572	48.660	ng		99
84) Bis(2-ethylhexyl)phtha...	14.015	149	247104	49.953	ng		97
85) Di-n-octyl phthalate	14.627	149	409575	47.989	ng		100
87) Indeno(1,2,3-cd)pyrene	17.021	276	280692	37.863	ng		98
88) Benzo(b)fluoranthene	15.092	252	338864	57.716	ng		99
89) Benzo(k)fluoranthene	15.115	252	292518	53.229	ng		99
90) Benzo(a)pyrene	15.462	252	276440	51.037	ng		97
91) Dibenzo(a,h)anthracene	17.033	278	223389	37.521	ng		98
92) Benzo(g,h,i)perylene	17.474	276	218137	37.102	ng		99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
Data File : BF144303.D
Acq On : 20 Nov 2025 19:26
Operator : RC/JU
Sample : Q3662-02MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B3-0.0-1.0-20251117MS

Quant Time: Nov 20 23:59:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
Data File : BF144304.D
Acq On : 20 Nov 2025 19:56
Operator : RC/JU
Sample : Q3662-02MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B3-0.0-1.0-20251117MSD

Quant Time: Nov 21 00:00:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.863	152	44073	20.000	ng		-0.01
21) Naphthalene-d8	8.145	136	159722	20.000	ng		-0.01
39) Acenaphthene-d10	9.904	164	80476	20.000	ng		-0.01
64) Phenanthrene-d10	11.392	188	143551	20.000	ng		-0.01
76) Chrysene-d12	14.045	240	118518	20.000	ng		0.00
86) Perylene-d12	15.521	264	95287	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.492	112	216046	76.710	ng		0.00
7) Phenol-d6	6.498	99	237752	74.502	ng		0.00
23) Nitrobenzene-d5	7.428	82	145188	52.500	ng		0.00
42) 2,4,6-Tribromophenol	10.698	330	71402	70.703	ng		0.00
45) 2-Fluorobiphenyl	9.222	172	288328	52.915	ng		0.00
79) Terphenyl-d14	12.980	244	336714	45.127	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.669	88	62924	54.041	ng		100
3) Pyridine	3.434	79	161142	49.605	ng		99
4) n-Nitrosodimethylamine	3.387	42	91656	54.016	ng		94
6) Aniline	6.528	93	63599	13.988	ng	#	77
8) 2-Chlorophenol	6.651	128	134540	48.711	ng		97
9) Benzaldehyde	6.416	77	75790	42.059	ng		97
10) Phenol	6.510	94	183480	47.059	ng		96
11) bis(2-Chloroethyl)ether	6.598	93	145578	51.241	ng		99
12) 1,3-Dichlorobenzene	6.804	146	170495	50.025	ng		99
13) 1,4-Dichlorobenzene	6.881	146	171549	50.241	ng		99
14) 1,2-Dichlorobenzene	7.034	146	161736	49.419	ng		98
15) Benzyl Alcohol	7.004	79	125227	49.558	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.134	45	255861	48.905	ng		90
17) 2-Methylphenol	7.122	107	103587	47.143	ng		95
18) Hexachloroethane	7.375	117	50922	44.889	ng		99
19) n-Nitroso-di-n-propyla...	7.275	70	99491	47.359	ng		97
20) 3+4-Methylphenols	7.275	107	121115	46.759	ng	#	89
22) Acetophenone	7.269	105	178859	52.200	ng		99
24) Nitrobenzene	7.445	77	149955	49.940	ng		98
25) Isophorone	7.686	82	260987	49.892	ng		98
26) 2-Nitrophenol	7.763	139	63088	42.444	ng		96
27) 2,4-Dimethylphenol	7.798	122	121255	54.427	ng		97
28) bis(2-Chloroethoxy)met...	7.892	93	167610	51.311	ng		99
29) 2,4-Dichlorophenol	8.004	162	116177	45.245	ng		97
30) 1,2,4-Trichlorobenzene	8.086	180	131220	49.767	ng		98
31) Naphthalene	8.169	128	365391	48.092	ng		99
32) Benzoic acid	7.910	122	60719	37.181	ng		93
33) 4-Chloroaniline	8.222	127	35395	12.773	ng		99
34) Hexachlorobutadiene	8.281	225	91193	45.892	ng		99
35) Caprolactam	8.586	113	33639	47.818	ng		94
36) 4-Chloro-3-methylphenol	8.704	107	101868	44.267	ng		98
37) 2-Methylnaphthalene	8.857	142	216643	42.648	ng		99
38) 1-Methylnaphthalene	8.957	142	219367	44.755	ng		100
40) 1,2,4,5-Tetrachloroben...	9.028	216	130774	49.583	ng		99
41) Hexachlorocyclopentadiene	9.010	237	24474	32.525	ng		96
43) 2,4,6-Trichlorophenol	9.139	196	88455	49.276	ng		97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
Data File : BF144304.D
Acq On : 20 Nov 2025 19:56
Operator : RC/JU
Sample : Q3662-02MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B3-0.0-1.0-20251117MSD

Quant Time: Nov 21 00:00:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

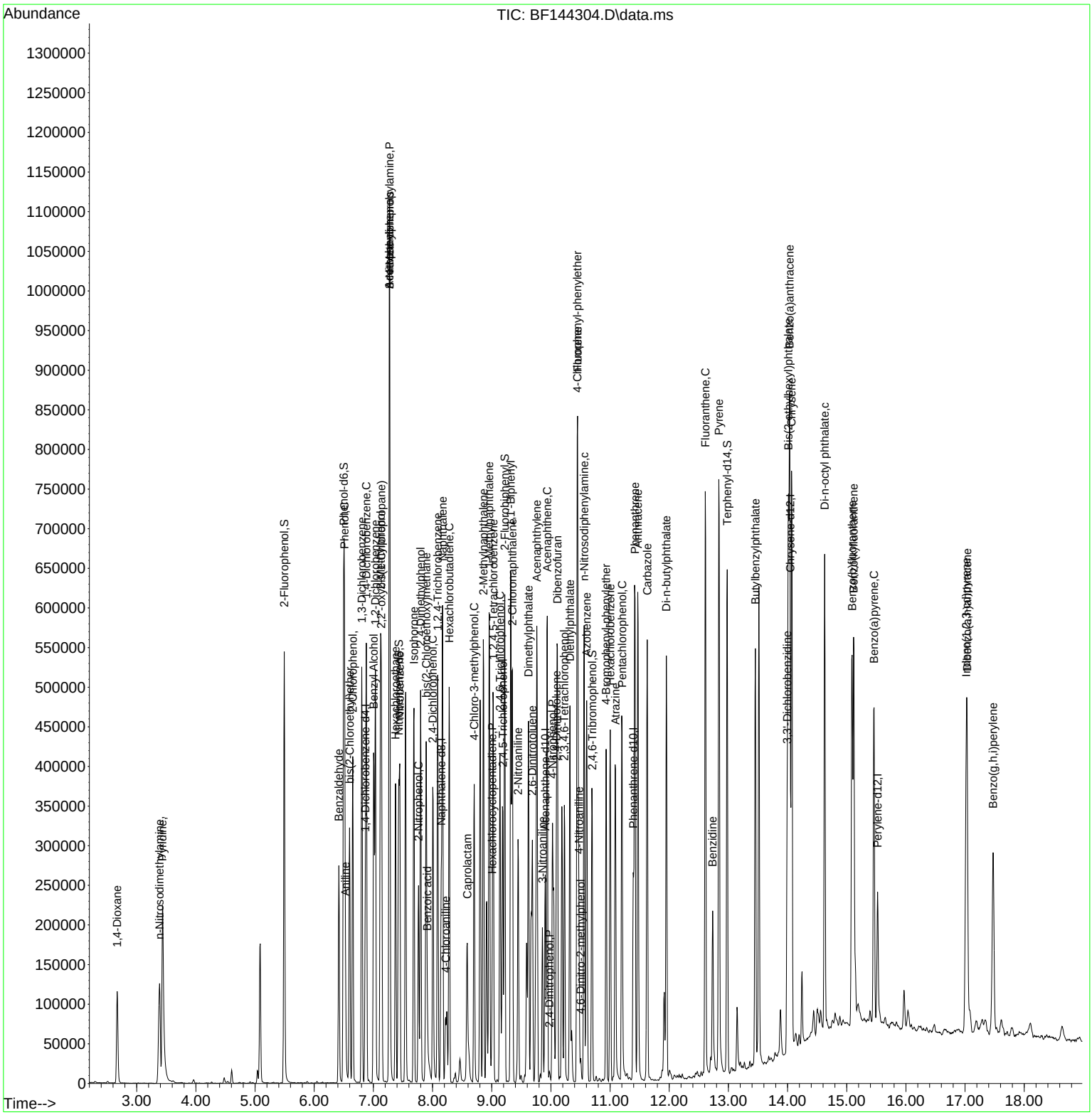
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	88549	45.769	ng		99
46) 1,1'-Biphenyl	9.322	154	286108	50.932	ng		98
47) 2-Chloronaphthalene	9.351	162	234340	48.905	ng		99
48) 2-Nitroaniline	9.445	65	73544	53.193	ng		96
49) Acenaphthylene	9.763	152	354918	54.353	ng		100
50) Dimethylphthalate	9.622	163	276955	51.948	ng		100
51) 2,6-Dinitrotoluene	9.686	165	53802	49.852	ng		97
52) Acenaphthene	9.939	154	188975	43.277	ng		98
53) 3-Nitroaniline	9.857	138	41951	35.559	ng		98
54) 2,4-Dinitrophenol	9.975	184	3170	4.864	ng	#	77
55) Dibenzofuran	10.110	168	289563	47.348	ng		99
56) 4-Nitrophenol	10.027	139	81615	95.634	ng		94
57) 2,4-Dinitrotoluene	10.092	165	71296	49.347	ng		99
58) Fluorene	10.451	166	230887	49.656	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.227	232	68953	50.374	ng		99
60) Diethylphthalate	10.322	149	248556	50.574	ng		99
61) 4-Chlorophenyl-phenyle...	10.445	204	122013	46.067	ng		98
62) 4-Nitroaniline	10.475	138	56885	50.631	ng		91
63) Azobenzene	10.604	77	238195	52.076	ng		94
65) 4,6-Dinitro-2-methylph...	10.504	198	5198	5.330	ng		94
66) n-Nitrosodiphenylamine	10.563	169	221308	47.933	ng		99
67) 4-Bromophenyl-phenylether	10.933	248	77760	42.439	ng		96
68) Hexachlorobenzene	11.004	284	97531	45.191	ng		96
69) Atrazine	11.092	200	71134	48.446	ng		98
70) Pentachlorophenol	11.204	266	93796	87.276	ng		96
71) Phenanthrene	11.422	178	358878	50.212	ng		100
72) Anthracene	11.469	178	358424	49.319	ng		99
73) Carbazole	11.627	167	324871	52.570	ng		99
74) Di-n-butylphthalate	11.951	149	378182	50.622	ng		99
75) Fluoranthene	12.610	202	448484	60.745	ng		99
77) Benzidine	12.733	184	130966	37.358	ng		99
78) Pyrene	12.839	202	464531	48.612	ng		99
80) Butylbenzylphthalate	13.457	149	176348	53.245	ng		96
81) Benzo(a)anthracene	14.033	228	429096	52.238	ng		100
82) 3,3'-Dichlorobenzidine	13.992	252	102915	36.552	ng		98
83) Chrysene	14.068	228	393684	51.918	ng		99
84) Bis(2-ethylhexyl)phtha...	14.015	149	243198	53.640	ng		99
85) Di-n-octyl phthalate	14.627	149	400302	51.173	ng		100
87) Indeno(1,2,3-cd)pyrene	17.021	276	275395	40.262	ng		98
88) Benzo(b)fluoranthene	15.092	252	331622	61.216	ng		99
89) Benzo(k)fluoranthene	15.115	252	286930	56.588	ng		98
90) Benzo(a)pyrene	15.462	252	272478	54.521	ng		99
91) Dibenzo(a,h)anthracene	17.033	278	216932	39.490	ng		98
92) Benzo(g,h,i)perylene	17.474	276	224326	41.353	ng		98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
Data File : BF144304.D
Acq On : 20 Nov 2025 19:56
Operator : RC/JU
Sample : Q3662-02MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B3-0.0-1.0-20251117MSD

Quant Time: Nov 21 00:00:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration



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Manual Integration Report

Sequence:	BF110525	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF144170.D	Benzo(b)fluoranthene	rahul	11/6/2025 8:43:08 AM	Jagrut	11/6/2025 10:21:01 AM	Peak Integrated by Software
SSTDICV040	BF144177.D	Benzoic acid	rahul	11/6/2025 8:43:11 AM	Jagrut	11/6/2025 10:21:04 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF112025	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB170631BS	BF144292.D	Caprolactam	Jagrut	11/21/2025 3:34:34 PM	mohammad	11/22/2025 12:06:20 AM	Peak Integrated by Software
Q3662-04	BF144296.D	Benzo(b)fluoranthene	Jagrut	11/21/2025 3:34:42 PM	mohammad	11/22/2025 12:06:20 AM	Peak Integrated by Software
Q3662-04	BF144296.D	Benzo(k)fluoranthene	Jagrut	11/21/2025 3:34:42 PM	mohammad	11/22/2025 12:06:20 AM	Peak Integrated by Software
Q3662-02	BF144302.D	Benzo(b)fluoranthene	Jagrut	11/21/2025 3:34:46 PM	mohammad	11/22/2025 12:06:20 AM	Peak Integrated by Software
Q3662-02	BF144302.D	Chrysene	Jagrut	11/21/2025 3:34:46 PM	mohammad	11/22/2025 12:06:20 AM	Peak Integrated by Software

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF110525

Review By	rahul	Review On	11/5/2025 2:56:50 PM		
Supervise By	Jagrut	Supervise On	11/6/2025 10:21:33 AM		
SubDirectory	BF110525	HP Acquire Method	BNA_F	HP Processing Method	BF110525

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13181,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF144168.D	05 Nov 2025 12:21	RC/JU	Ok
2	SSTDICC2.5	BF144169.D	05 Nov 2025 12:50	RC/JU	Ok
3	SSTDICC005	BF144170.D	05 Nov 2025 13:20	RC/JU	Ok,M
4	SSTDICC010	BF144171.D	05 Nov 2025 13:50	RC/JU	Ok
5	SSTDICC020	BF144172.D	05 Nov 2025 14:20	RC/JU	Ok
6	SSTDICCC040	BF144173.D	05 Nov 2025 14:50	RC/JU	Ok
7	SSTDICC050	BF144174.D	05 Nov 2025 15:49	RC/JU	Ok
8	SSTDICC060	BF144175.D	05 Nov 2025 16:19	RC/JU	Ok
9	SSTDICC080	BF144176.D	05 Nov 2025 16:49	RC/JU	Ok
10	SSTDICV040	BF144177.D	05 Nov 2025 17:21	RC/JU	Ok,M
11	PB170372BL	BF144178.D	05 Nov 2025 18:10	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112025

Review By	Jagrut	Review On	11/21/2025 3:35:02 PM				
Supervise By	mohammad	Supervise On	11/22/2025 12:06:20 AM				
SubDirectory	BF112025	HP Acquire Method	BNA_F		HP Processing Method	BF110525	

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13183,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF144289.D	20 Nov 2025 12:03	RC/JU	Ok
2	SSTDCCC040	BF144290.D	20 Nov 2025 12:32	RC/JU	Ok
3	PB170631BL	BF144291.D	20 Nov 2025 13:25	RC/JU	Ok
4	PB170631BS	BF144292.D	20 Nov 2025 13:54	RC/JU	Ok,M
5	PB170652BL	BF144293.D	20 Nov 2025 14:24	RC/JU	Ok
6	PB170652BS	BF144294.D	20 Nov 2025 14:54	RC/JU	Ok,M
7	Q3669-01	BF144295.D	20 Nov 2025 15:30	RC/JU	Ok,M
8	Q3662-04	BF144296.D	20 Nov 2025 15:59	RC/JU	Ok,M
9	Q3667-01	BF144297.D	20 Nov 2025 16:28	RC/JU	Ok
10	Q3667-05	BF144298.D	20 Nov 2025 16:58	RC/JU	Ok
11	Q3681-01	BF144299.D	20 Nov 2025 17:27	RC/JU	Ok,M
12	Q3681-01MS	BF144300.D	20 Nov 2025 17:57	RC/JU	Ok
13	Q3681-01MSD	BF144301.D	20 Nov 2025 18:27	RC/JU	Ok
14	Q3662-02	BF144302.D	20 Nov 2025 18:56	RC/JU	Ok,M
15	Q3662-02MS	BF144303.D	20 Nov 2025 19:26	RC/JU	Ok
16	Q3662-02MSD	BF144304.D	20 Nov 2025 19:56	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF110525

Review By	rahul	Review On	11/5/2025 2:56:50 PM		
Supervise By	Jagrut	Supervise On	11/6/2025 10:21:33 AM		
SubDirectory	BF110525	HP Acquire Method	BNA_F	HP Processing Method	BF110525

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13181,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF144168.D	05 Nov 2025 12:21		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF144169.D	05 Nov 2025 12:50		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF144170.D	05 Nov 2025 13:20		RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BF144171.D	05 Nov 2025 13:50		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF144172.D	05 Nov 2025 14:20		RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF144173.D	05 Nov 2025 14:50	Compound #41 kept on QR	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF144174.D	05 Nov 2025 15:49		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF144175.D	05 Nov 2025 16:19		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF144176.D	05 Nov 2025 16:49		RC/JU	Ok
10	SSTDICV040	ICVBF110525	BF144177.D	05 Nov 2025 17:21		RC/JU	Ok,M
11	PB170372BL	PB170372BL	BF144178.D	05 Nov 2025 18:10		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112025

Review By	Jagrut	Review On	11/21/2025 3:35:02 PM		
Supervise By	mohammad	Supervise On	11/22/2025 12:06:20 AM		
SubDirectory	BF112025	HP Acquire Method	BNA_F	HP Processing Method	BF110525

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13183,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF144289.D	20 Nov 2025 12:03		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF144290.D	20 Nov 2025 12:32		RC/JU	Ok
3	PB170631BL	PB170631BL	BF144291.D	20 Nov 2025 13:25		RC/JU	Ok
4	PB170631BS	PB170631BS	BF144292.D	20 Nov 2025 13:54		RC/JU	Ok,M
5	PB170652BL	PB170652BL	BF144293.D	20 Nov 2025 14:24		RC/JU	Ok
6	PB170652BS	PB170652BS	BF144294.D	20 Nov 2025 14:54		RC/JU	Ok,M
7	Q3669-01	EO-01-11182025	BF144295.D	20 Nov 2025 15:30		RC/JU	Ok,M
8	Q3662-04	B1-0.0-1.0-20251117	BF144296.D	20 Nov 2025 15:59		RC/JU	Ok,M
9	Q3667-01	RIGHT-SIDE-WALL	BF144297.D	20 Nov 2025 16:28		RC/JU	Ok
10	Q3667-05	LEFT-SIDE-FLOOR	BF144298.D	20 Nov 2025 16:58		RC/JU	Ok
11	Q3681-01	ETGI-354	BF144299.D	20 Nov 2025 17:27		RC/JU	Ok,M
12	Q3681-01MS	ETGI-354MS	BF144300.D	20 Nov 2025 17:57	Comp. #54 recovery is zero, Need noncon	RC/JU	Ok
13	Q3681-01MSD	ETGI-354MSD	BF144301.D	20 Nov 2025 18:27	Comp. #54 recovery is zero, Need noncon	RC/JU	Ok
14	Q3662-02	B3-0.0-1.0-20251117	BF144302.D	20 Nov 2025 18:56		RC/JU	Ok,M
15	Q3662-02MS	B3-0.0-1.0-20251117MS	BF144303.D	20 Nov 2025 19:26		RC/JU	Ok
16	Q3662-02MSD	B3-0.0-1.0-20251117MS	BF144304.D	20 Nov 2025 19:56	Comp. #54 recovery is zero, Need noncon	RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB170631

SOP ID:	M3541-ASE Extraction-15				
Clean Up SOP #:	N/A			**Extraction Start Date :**	11/19/2025
Matrix :	Solid			**Extraction Start Time :**	09:25
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	11/19/2025
Balance check:	EH	**Filter By:**	RJ	**Extraction End Time :**	12:30
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	50/100 PPM	SP6895
Surrogate	1.0ML	100/150 PPM	SP6918
MDL	1.0ML	~~N/A~~ 4 PPM	SP6920
MDL	1.0ML	~~N/A~~ 8PPM	SP6922
N/A	N/A	N/A	N/A

RJ 11/19

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2659
Baked Na2SO4	N/A	EP2655
Sand	N/A	E3951
Methylene Chloride	N/A	E3986
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
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210443.

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

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/19/25	RS (Ext-lab)	RC/SVOC
12:35	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB170631

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 11/19/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170631BL	SBLK631	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1			U1-1
PB170631BS	SLCS631	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			2
Q3530-03	MDL-SOIL-03-QT4-2025 4 PPM	SVOC-Chemtech Full -25	30.01	N/A	ritesh	Evelyn	1			3
Q3662-02	B3-0.0-1.0-20251117	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	A		4
Q3662-02MS	B3-0.0-1.0-20251117MS	SVOC-TCL BNA -20	30.08	N/A	ritesh	Evelyn	1	A		5
Q3662-02MSD	B3-0.0-1.0-20251117MSD	SVOC-TCL BNA -20	30.07	N/A	ritesh	Evelyn	1	A		6
Q3662-04	B3-0.0-1.0-20251117	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	A		U2-1
Q3664-01	ARS20-0001	SVOC-TCL BNA -20	50.08	N/A	ritesh	Evelyn	1	E	Concrete	2
Q3664-03	ARS20-0013	SVOC-TCL BNA -20	50.01	N/A	ritesh	Evelyn	1	E	Concrete	3
Q3664-05	291399	SVOC-TCL BNA -20	50.03	N/A	ritesh	Evelyn	1	E	Concrete	4
Q3668-01	2015	SVOC-PAH	50.03	N/A	ritesh	Evelyn	1	A	Concrete	5
Q3669-01	EO-01-11182025	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	F		6
Q3530-03	MDL-SOIL-03-QT4-2025 8PPM	SVOC-Chemtech Full-25	30.04	1	1	1	1			U3-1

RS 11/19

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

170631
9:25

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3662 **WorkList ID :** 193211 **Department :** Extraction **Date :** 11-19-2025 08:40:49

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3530-03	MDL-SOIL-03-QT4-2025	Solid	SVOC-Chemtech Full -25	Cool 4 deg C	ALLI03	QA Of	11/03/2025	8270E
Q3662-02	B3-0.0-1.0-20251117	Solid	SVOC-TCL BNA -20	Cool 4 deg C	HDRI08	D41	11/17/2025	8270E
Q3662-04	B3-0.0-1.0-20251117	Solid	SVOC-TCL BNA -20	Cool 4 deg C	HDRI08	D41	11/17/2025	8270E
Q3664-01	ARS20-0001	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D31	11/18/2025	8270E
Q3664-03	ARS20-0013	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D31	11/18/2025	8270E
Q3664-05	291399	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D31	11/18/2025	8270E
Q3668-01	2015	Solid	SVOC-PAH	Cool 4 deg C	PSEG03	D41	11/18/2025	8270E
Q3669-01	EO-01-11182025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	D41	11/18/2025	8270E

Date/Time 11/19/25 9:20
Raw Sample Received by: RJ (EXT lab)
Raw Sample Relinquished by:

Date/Time 11/19/25 9:40
Raw Sample Received by:
Raw Sample Relinquished by: RJ (EXT lab)

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LAB CHRONICLE

OrderID:	Q3662	**OrderDate:**	11/18/2025 11:14:00 AM
Client:	HDR, Inc.	**Project:**	PVWC Linear Construction
Contact:	Andrew Wadden	**Location:**	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3662-02	**B3-0.0-1.0-20251117**	**SOIL**			**11/17/25**			**11/18/25**
			SVOC-TCL BNA -20	8270E		11/19/25	11/20/25	
Q3662-04	**B1-0.0-1.0-20251117**	**SOIL**			**11/17/25**			**11/18/25**
			SVOC-TCL BNA -20	8270E		11/19/25	11/20/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3662 **Order ID:** Q3662

Client: HDR, Inc. **Project ID:** PVWC Linear Construction

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : B3-0.0-1.0-20251117								
Q3662-02	B3-0.0-1.0-20251117	SOIL	4,4-DDE	0.36	J	0.17	2.00	ug/kg
Q3662-02	B3-0.0-1.0-20251117	SOIL	4,4-DDT	0.79	JP	0.17	2.00	ug/kg
			Total Concentration:	**1.150**				
Client ID : B1-0.0-1.0-20251117								
Q3662-04	B1-0.0-1.0-20251117	SOIL	4,4-DDE	0.53	JP	0.16	1.90	ug/kg
Q3662-04	B1-0.0-1.0-20251117	SOIL	4,4-DDT	1.20	JP	0.16	1.90	ug/kg
Q3662-04	B1-0.0-1.0-20251117	SOIL	alpha-Chlordane	6.80	P	0.14	1.90	ug/kg
Q3662-04	B1-0.0-1.0-20251117	SOIL	gamma-Chlordane	2.50	P	0.17	1.90	ug/kg
			Total Concentration:	**11.030**				

SAMPLE DATA

Raw Data: **PD091278.D**

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Fax : 908 789 8922

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/17/25
Project:	PVWC Linear Construction	Date Received:	11/18/25
Client Sample ID:	B3-0.0-1.0-20251117	SDG No.:	Q3662
Lab Sample ID:	Q3662-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	84.7
Sample Wt/Vol:	30.01 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541B Prep Date: 11/19/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.15	U	1	0.15	2.00	ug/kg	11/19/25 16:24	PB170628
319-85-7	beta-BHC	0.21	U	1	0.21	2.00	ug/kg	11/19/25 16:24	PB170628
319-86-8	delta-BHC	0.46	U	1	0.46	2.00	ug/kg	11/19/25 16:24	PB170628
58-89-9	gamma-BHC (Lindane)	0.17	U	1	0.17	2.00	ug/kg	11/19/25 16:24	PB170628
76-44-8	Heptachlor	0.14	U	1	0.14	2.00	ug/kg	11/19/25 16:24	PB170628
309-00-2	Aldrin	0.14	U	1	0.14	2.00	ug/kg	11/19/25 16:24	PB170628
1024-57-3	Heptachlor epoxide	0.22	U	1	0.22	2.00	ug/kg	11/19/25 16:24	PB170628
959-98-8	Endosulfan I	0.17	U	1	0.17	2.00	ug/kg	11/19/25 16:24	PB170628
60-57-1	Dieldrin	0.17	U	1	0.17	2.00	ug/kg	11/19/25 16:24	PB170628
72-55-9	4,4-DDE	0.36	J	1	0.17	2.00	ug/kg	11/19/25 16:24	PB170628
72-20-8	Endrin	0.17	U	1	0.17	2.00	ug/kg	11/19/25 16:24	PB170628
33213-65-9	Endosulfan II	0.34	U	1	0.34	2.00	ug/kg	11/19/25 16:24	PB170628
72-54-8	4,4-DDD	0.18	U	1	0.18	2.00	ug/kg	11/19/25 16:24	PB170628
1031-07-8	Endosulfan Sulfate	0.15	U	1	0.15	2.00	ug/kg	11/19/25 16:24	PB170628
50-29-3	4,4-DDT	0.79	JP	1	0.17	2.00	ug/kg	11/19/25 16:24	PB170628
72-43-5	Methoxychlor	0.44	U	1	0.44	2.00	ug/kg	11/19/25 16:24	PB170628
53494-70-5	Endrin ketone	0.22	U	1	0.22	2.00	ug/kg	11/19/25 16:24	PB170628
7421-93-4	Endrin aldehyde	0.44	U	1	0.44	2.00	ug/kg	11/19/25 16:24	PB170628
5103-71-9	alpha-Chlordane	0.14	U	1	0.14	2.00	ug/kg	11/19/25 16:24	PB170628
5103-74-2	gamma-Chlordane	0.18	U	1	0.18	2.00	ug/kg	11/19/25 16:24	PB170628
8001-35-2	Toxaphene	6.40	U	1	6.40	38.9	ug/kg	11/19/25 16:24	PB170628
SURROGATES									
2051-24-3	Decachlorobiphenyl	12.6			30 (10) - 150 (143)	63%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	17.1			30 (10) - 150 (131)	85%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Raw Data: **PD091281.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/17/25
Project:	PVWC Linear Construction	Date Received:	11/18/25
Client Sample ID:	B1-0.0-1.0-20251117	SDG No.:	Q3662
Lab Sample ID:	Q3662-04	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	88.1
Sample Wt/Vol:	30.04 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541B Prep Date: 11/19/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.15	U	1	0.15	1.90	ug/kg	11/19/25 17:05	PB170628
319-85-7	beta-BHC	0.20	U	1	0.20	1.90	ug/kg	11/19/25 17:05	PB170628
319-86-8	delta-BHC	0.44	U	1	0.44	1.90	ug/kg	11/19/25 17:05	PB170628
58-89-9	gamma-BHC (Lindane)	0.16	U	1	0.16	1.90	ug/kg	11/19/25 17:05	PB170628
76-44-8	Heptachlor	0.14	U	1	0.14	1.90	ug/kg	11/19/25 17:05	PB170628
309-00-2	Aldrin	0.14	U	1	0.14	1.90	ug/kg	11/19/25 17:05	PB170628
1024-57-3	Heptachlor epoxide	0.22	U	1	0.22	1.90	ug/kg	11/19/25 17:05	PB170628
959-98-8	Endosulfan I	0.16	U	1	0.16	1.90	ug/kg	11/19/25 17:05	PB170628
60-57-1	Dieldrin	0.16	U	1	0.16	1.90	ug/kg	11/19/25 17:05	PB170628
72-55-9	4,4-DDE	0.53	JP	1	0.16	1.90	ug/kg	11/19/25 17:05	PB170628
72-20-8	Endrin	0.16	U	1	0.16	1.90	ug/kg	11/19/25 17:05	PB170628
33213-65-9	Endosulfan II	0.33	U	1	0.33	1.90	ug/kg	11/19/25 17:05	PB170628
72-54-8	4,4-DDD	0.17	U	1	0.17	1.90	ug/kg	11/19/25 17:05	PB170628
1031-07-8	Endosulfan Sulfate	0.15	U	1	0.15	1.90	ug/kg	11/19/25 17:05	PB170628
50-29-3	4,4-DDT	1.20	JP	1	0.16	1.90	ug/kg	11/19/25 17:05	PB170628
72-43-5	Methoxychlor	0.42	U	1	0.42	1.90	ug/kg	11/19/25 17:05	PB170628
53494-70-5	Endrin ketone	0.22	U	1	0.22	1.90	ug/kg	11/19/25 17:05	PB170628
7421-93-4	Endrin aldehyde	0.42	U	1	0.42	1.90	ug/kg	11/19/25 17:05	PB170628
5103-71-9	alpha-Chlordane	6.80	P	1	0.14	1.90	ug/kg	11/19/25 17:05	PB170628
5103-74-2	gamma-Chlordane	2.50	P	1	0.17	1.90	ug/kg	11/19/25 17:05	PB170628
8001-35-2	Toxaphene	6.10	U	1	6.10	37.4	ug/kg	11/19/25 17:05	PB170628
SURROGATES									
2051-24-3	Decachlorobiphenyl	8.09			30 (10) - 150 (143)	40%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	10.3			30 (10) - 150 (131)	52%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

QC SUMMARY

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

Surrogate Summary

SDG No.: Q3662

Client: HDR, Inc.

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PD091193.D	PIBLK-PD091193.D	Decachlorobiphen	1	20	20.8	104		30 (31)	150 (149)
		Tetrachloro-m-xyl	1	20	19.5	98		30 (41)	150 (134)
		Decachlorobiphen	2	20	20.1	100		30 (31)	150 (149)
		Tetrachloro-m-xyl	2	20	20.0	100		30 (41)	150 (134)
I.BLK-PD091264.D	PIBLK-PD091264.D	Decachlorobiphen	1	20	22.3	111		30 (31)	150 (149)
		Tetrachloro-m-xyl	1	20	21.8	109		30 (41)	150 (134)
		Decachlorobiphen	2	20	24.5	123		30 (31)	150 (149)
		Tetrachloro-m-xyl	2	20	23.6	118		30 (41)	150 (134)
PB170628BL	PB170628BL	Decachlorobiphen	1	20	17.8	89		30 (10)	150 (143)
		Tetrachloro-m-xyl	1	20	17.2	86		30 (10)	150 (131)
		Decachlorobiphen	2	20	19.3	97		30 (10)	150 (143)
		Tetrachloro-m-xyl	2	20	18.4	92		30 (10)	150 (131)
I.BLK-PD091275.D	PIBLK-PD091275.D	Decachlorobiphen	1	20	16.0	80		30 (31)	150 (149)
		Tetrachloro-m-xyl	1	20	16.5	83		30 (41)	150 (134)
		Decachlorobiphen	2	20	13.9	69		30 (31)	150 (149)
		Tetrachloro-m-xyl	2	20	18.1	90		30 (41)	150 (134)
Q3662-02	B3-0.0-1.0-20251117	Decachlorobiphen	1	20	12.6	63		30 (10)	150 (143)
		Tetrachloro-m-xyl	1	20	16.1	81		30 (10)	150 (131)
		Decachlorobiphen	2	20	11.0	55		30 (10)	150 (143)
		Tetrachloro-m-xyl	2	20	17.1	85		30 (10)	150 (131)
Q3662-02MS	B3-0.0-1.0-20251117MS	Decachlorobiphen	1	20	11.0	55		30 (10)	150 (143)
		Tetrachloro-m-xyl	1	20	14.4	72		30 (10)	150 (131)
		Decachlorobiphen	2	20	9.10	46		30 (10)	150 (143)
		Tetrachloro-m-xyl	2	20	14.7	74		30 (10)	150 (131)
Q3662-02MSD	B3-0.0-1.0-20251117MSD	Decachlorobiphen	1	20	10.7	53		30 (10)	150 (143)
		Tetrachloro-m-xyl	1	20	14.1	70		30 (10)	150 (131)
		Decachlorobiphen	2	20	9.75	49		30 (10)	150 (143)
		Tetrachloro-m-xyl	2	20	15.3	77		30 (10)	150 (131)
Q3662-04	B1-0.0-1.0-20251117	Decachlorobiphen	1	20	8.09	40		30 (10)	150 (143)
		Tetrachloro-m-xyl	1	20	9.96	50		30 (10)	150 (131)
		Decachlorobiphen	2	20	6.09	30		30 (10)	150 (143)
		Tetrachloro-m-xyl	2	20	10.3	52		30 (10)	150 (131)
I.BLK-PD091285.D	PIBLK-PD091285.D	Decachlorobiphen	1	20	16.4	82		30 (31)	150 (149)
		Tetrachloro-m-xyl	1	20	16.6	83		30 (41)	150 (134)
		Decachlorobiphen	2	20	15.2	76		30 (31)	150 (149)
		Tetrachloro-m-xyl	2	20	17.5	88		30 (41)	150 (134)
I.BLK-PD091328.D	PIBLK-PD091328.D	Decachlorobiphen	1	20	21.8	109		30 (31)	150 (149)
		Tetrachloro-m-xyl	1	20	20.3	101		30 (41)	150 (134)
		Decachlorobiphen	2	20	23.8	119		30 (31)	150 (149)
		Tetrachloro-m-xyl	2	20	22.9	115		30 (41)	150 (134)
PB170628BS	PB170628BS	Decachlorobiphen	1	20	20.7	104		30 (10)	150 (143)

( ) = LABORATORY INHOUSE LIMIT

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

Surrogate Summary

SDG No.: Q3662

Client: HDR, Inc.

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
PB170628BS	PB170628BS	Tetrachloro-m-xyl	1	20	20.6	103		30 (10)	150 (131)
		Decachlorobiphen	2	20	23.8	119		30 (10)	150 (143)
		Tetrachloro-m-xyl	2	20	22.1	111		30 (10)	150 (131)
I.BLK-PD091345.D	PIBLK-PD091345.D	Decachlorobiphen	1	20	19.4	97		30 (31)	150 (149)
		Tetrachloro-m-xyl	1	20	19.1	95		30 (41)	150 (134)
		Decachlorobiphen	2	20	19.3	96		30 (31)	150 (149)
		Tetrachloro-m-xyl	2	20	21.2	106		30 (41)	150 (134)

( ) = LABORATORY INHOUSE LIMIT

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3662 **Analytical Method:** 8081B

Client: HDR, Inc. **DataFile :** PD091279.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: **Q3662-02MS (Column 1)**	**Client Sample ID:**		**B3-0.0-1.0-20251117MS**								
alpha-BHC	19.64	0	16.3	ug/kg	83				30 (60)	150 (144)	
beta-BHC	19.64	0	17.2	ug/kg	88				30 (54)	150 (143)	
delta-BHC	19.64	0	14.0	ug/kg	71				30 (47)	150 (129)	
gamma-BHC (Lindane)	19.64	0	15.7	ug/kg	80				30 (39)	150 (136)	
Heptachlor	19.64	0	9.20	ug/kg	47				30 (33)	150 (148)	
Aldrin	19.64	0	17.4	ug/kg	89				30 (38)	150 (139)	
Heptachlor epoxide	19.64	0	17.1	ug/kg	87				30 (23)	150 (155)	
Endosulfan I	19.64	0	15.2	ug/kg	77				30 (30)	150 (142)	
Dieldrin	19.64	0	16.7	ug/kg	85				30 (32)	150 (140)	
4,4'-DDE	19.64	0.26	17.5	ug/kg	88				30 (20)	150 (156)	
Endrin	19.64	0	17.4	ug/kg	89				30 (57)	150 (139)	
Endosulfan II	19.64	0	15.0	ug/kg	76				30 (41)	150 (125)	
4,4'-DDD	19.64	0	14.4	ug/kg	73				30 (47)	150 (163)	
Endosulfan sulfate	19.64	0	11.8	ug/kg	60				30 (43)	150 (125)	
4,4'-DDT	19.64	0.21	8.40	ug/kg	42				30 (25)	150 (149)	
Methoxychlor	19.64	0	8.20	ug/kg	42				30 (32)	150 (132)	
Endrin ketone	19.64	0	9.40	ug/kg	48				30 (27)	150 (142)	
Endrin aldehyde	19.64	0	6.40	ug/kg	33				30 (19)	150 (148)	
alpha-Chlordane	19.64	0	18.0	ug/kg	92				30 (26)	150 (147)	
gamma-Chlordane	19.64	0	17.9	ug/kg	91				30 (30)	150 (142)	
Lab Sample ID: **Q3662-02MS (Column 2)**	**Client Sample ID:**		**B3-0.0-1.0-20251117MS**								
alpha-BHC	19.64	0	16.7	ug/kg	85				30 (60)	150 (144)	
beta-BHC	19.64	0	17.7	ug/kg	90				30 (54)	150 (143)	
delta-BHC	19.64	0	14.0	ug/kg	71				30 (47)	150 (129)	
gamma-BHC (Lindane)	19.64	0	15.8	ug/kg	80				30 (39)	150 (136)	
Heptachlor	19.64	0	9.80	ug/kg	50				30 (33)	150 (148)	
Aldrin	19.64	0	17.9	ug/kg	91				30 (38)	150 (139)	
Heptachlor epoxide	19.64	0	17.4	ug/kg	89				30 (23)	150 (155)	
Endosulfan I	19.64	0	14.7	ug/kg	75				30 (30)	150 (142)	
Dieldrin	19.64	0	17.8	ug/kg	91				30 (32)	150 (140)	
4,4'-DDE	19.64	0.36	18.1	ug/kg	90				30 (20)	150 (156)	
Endrin	19.64	0	16.2	ug/kg	82				30 (57)	150 (139)	
Endosulfan II	19.64	0	15.2	ug/kg	77				30 (41)	150 (125)	
4,4'-DDD	19.64	0	12.9	ug/kg	66				30 (47)	150 (163)	
Endosulfan sulfate	19.64	0	11.3	ug/kg	58				30 (43)	150 (125)	

( ) = LABORATORY INHOUSE LIMIT

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3662 **Analytical Method:** 8081B

Client: HDR, Inc. **DataFile :** PD091279.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
4,4'-DDT	19.64	0.79	9.10	ug/kg	42				30 (25)	150 (149)	
Methoxychlor	19.64	0	7.80	ug/kg	40				30 (32)	150 (132)	
Endrin ketone	19.64	0	8.80	ug/kg	45				30 (27)	150 (142)	
Endrin aldehyde	19.64	0	6.30	ug/kg	32				30 (19)	150 (148)	
alpha-Chlordane	19.64	0	18.1	ug/kg	92				30 (26)	150 (147)	
gamma-Chlordane	19.64	0	20.5	ug/kg	104				30 (30)	150 (142)	

( ) = LABORATORY INHOUSE LIMIT

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3662 **Analytical Method:** 8081B

Client: HDR, Inc. **DataFile :** PD091280.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID:	**Q3662-02MSD (Column 1)**	**Client Sample ID:**		**B3-0.0-1.0-20251117MSD**								
	alpha-BHC	19.63	0	17.6	ug/kg	90		8		30 (60)	150 (144)	30 (15)
	beta-BHC	19.63	0	17.2	ug/kg	88		0		30 (54)	150 (143)	30 (15)
	delta-BHC	19.63	0	16.7	ug/kg	85		18		30 (47)	150 (129)	30 (20)
	gamma-BHC (Lindane)	19.63	0	17.2	ug/kg	88		10		30 (39)	150 (136)	30 (30)
	Heptachlor	19.63	0	10.3	ug/kg	52		10		30 (33)	150 (148)	30 (20)
	Aldrin	19.63	0	17.5	ug/kg	89		0		30 (38)	150 (139)	30 (30)
	Heptachlor epoxide	19.63	0	16.9	ug/kg	86		1		30 (23)	150 (155)	30 (16)
	Endosulfan I	19.63	0	16.4	ug/kg	84		9		30 (30)	150 (142)	30 (15)
	Dieldrin	19.63	0	16.9	ug/kg	86		1		30 (32)	150 (140)	30 (20)
	4,4'-DDE	19.63	0.26	17.1	ug/kg	86		2		30 (20)	150 (156)	30 (16)
	Endrin	19.63	0	17.7	ug/kg	90		1		30 (57)	150 (139)	30 (16)
	Endosulfan II	19.63	0	16.2	ug/kg	83		9		30 (41)	150 (125)	30 (15)
	4,4'-DDD	19.63	0	15.5	ug/kg	79		8		30 (47)	150 (163)	30 (20)
	Endosulfan sulfate	19.63	0	14.2	ug/kg	72		18		30 (43)	150 (125)	30 (15)
	4,4'-DDT	19.63	0.21	11.6	ug/kg	58		32	*	30 (25)	150 (149)	30 (15)
	Methoxychlor	19.63	0	10.2	ug/kg	52		21		30 (32)	150 (132)	30 (20)
	Endrin ketone	19.63	0	13.4	ug/kg	68		34	*	30 (27)	150 (142)	30 (15)
	Endrin aldehyde	19.63	0	10.0	ug/kg	51		43	*	30 (19)	150 (148)	30 (15)
	alpha-Chlordane	19.63	0	17.6	ug/kg	90		2		30 (26)	150 (147)	30 (20)
	gamma-Chlordane	19.63	0	17.5	ug/kg	89		2		30 (30)	150 (142)	30 (15)
Lab Sample ID:	**Q3662-02MSD (Column 2)**	**Client Sample ID:**		**B3-0.0-1.0-20251117MSD**								
	alpha-BHC	19.63	0	17.9	ug/kg	91		7		30 (60)	150 (144)	30 (15)
	beta-BHC	19.63	0	18.0	ug/kg	92		2		30 (54)	150 (143)	30 (15)
	delta-BHC	19.63	0	16.7	ug/kg	85		18		30 (47)	150 (129)	30 (20)
	gamma-BHC (Lindane)	19.63	0	17.3	ug/kg	88		10		30 (39)	150 (136)	30 (30)
	Heptachlor	19.63	0	11.0	ug/kg	56		11		30 (33)	150 (148)	30 (20)
	Aldrin	19.63	0	18.0	ug/kg	92		1		30 (38)	150 (139)	30 (30)
	Heptachlor epoxide	19.63	0	17.6	ug/kg	90		1		30 (23)	150 (155)	30 (16)
	Endosulfan I	19.63	0	15.9	ug/kg	81		8		30 (30)	150 (142)	30 (15)
	Dieldrin	19.63	0	17.7	ug/kg	90		1		30 (32)	150 (140)	30 (20)
	4,4'-DDE	19.63	0.36	17.8	ug/kg	89		1		30 (20)	150 (156)	30 (16)
	Endrin	19.63	0	16.7	ug/kg	85		4		30 (57)	150 (139)	30 (16)
	Endosulfan II	19.63	0	16.3	ug/kg	83		8		30 (41)	150 (125)	30 (15)
	4,4'-DDD	19.63	0	14.0	ug/kg	71		7		30 (47)	150 (163)	30 (20)
	Endosulfan sulfate	19.63	0	13.6	ug/kg	69		17		30 (43)	150 (125)	30 (15)

( ) = LABORATORY INHOUSE LIMIT

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3662 **Analytical Method:** 8081B

Client: HDR, Inc. **DataFile :** PD091280.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
4,4'-DDT	19.63	0.79	11.5	ug/kg	55		27		30 (25)	150 (149)	30 (15)
Methoxychlor	19.63	0	9.50	ug/kg	48		18		30 (32)	150 (132)	30 (20)
Endrin ketone	19.63	0	11.8	ug/kg	60		29		30 (27)	150 (142)	30 (15)
Endrin aldehyde	19.63	0	9.90	ug/kg	50		44	*	30 (19)	150 (148)	30 (15)
alpha-Chlordane	19.63	0	18.1	ug/kg	92		0		30 (26)	150 (147)	30 (20)
gamma-Chlordane	19.63	0	20.2	ug/kg	103		1		30 (30)	150 (142)	30 (15)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3662 **Analytical Method:** 8081B

Client: HDR, Inc. **Datafile :** PD091334.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170628BS (Column 1)	alpha-BHC	16.66	14.2	ug/kg	85				40 (84)	140 (123)	
	beta-BHC	16.66	14.1	ug/kg	85				40 (82)	140 (123)	
	delta-BHC	16.66	13.4	ug/kg	80				40 (83)	140 (126)	
	gamma-BHC (Lindane)	16.66	14.5	ug/kg	87				40 (83)	140 (125)	
	Heptachlor	16.66	14.7	ug/kg	88				40 (83)	140 (122)	
	Aldrin	16.66	14.7	ug/kg	88				40 (82)	140 (124)	
	Heptachlor epoxide	16.66	14.6	ug/kg	88				40 (83)	140 (120)	
	Endosulfan I	16.66	14.5	ug/kg	87				40 (81)	140 (124)	
	Dieldrin	16.66	14.6	ug/kg	88				40 (85)	140 (121)	
	4,4'-DDE	16.66	14.3	ug/kg	86				40 (81)	140 (123)	
	Endrin	16.66	15.6	ug/kg	94				40 (76)	140 (130)	
	Endosulfan II	16.66	14.9	ug/kg	89				40 (80)	140 (125)	
	4,4'-DDD	16.66	14.2	ug/kg	85				40 (80)	140 (131)	
	Endosulfan sulfate	16.66	14.4	ug/kg	86				40 (81)	140 (122)	
	4,4'-DDT	16.66	16.1	ug/kg	97				40 (70)	140 (129)	
	Methoxychlor	16.66	16.2	ug/kg	97				40 (60)	140 (119)	
	Endrin ketone	16.66	14.7	ug/kg	88				40 (77)	140 (132)	
	Endrin aldehyde	16.66	15.3	ug/kg	92				40 (79)	140 (124)	
	alpha-Chlordane	16.66	13.8	ug/kg	83				40 (84)	140 (120)	
	gamma-Chlordane	16.66	14.5	ug/kg	87				40 (83)	140 (122)	
PB170628BS (Column 2)	alpha-BHC	16.66	15.4	ug/kg	92				40 (84)	140 (123)	
	beta-BHC	16.66	15.7	ug/kg	94				40 (82)	140 (123)	
	delta-BHC	16.66	14.6	ug/kg	88				40 (83)	140 (126)	
	gamma-BHC (Lindane)	16.66	15.7	ug/kg	94				40 (83)	140 (125)	
	Heptachlor	16.66	16.1	ug/kg	97				40 (83)	140 (122)	
	Aldrin	16.66	16.4	ug/kg	98				40 (82)	140 (124)	
	Heptachlor epoxide	16.66	16.2	ug/kg	97				40 (83)	140 (120)	
	Endosulfan I	16.66	15.5	ug/kg	93				40 (81)	140 (124)	
	Dieldrin	16.66	16.4	ug/kg	98				40 (85)	140 (121)	
	4,4'-DDE	16.66	16.4	ug/kg	98				40 (81)	140 (123)	
	Endrin	16.66	18.1	ug/kg	109				40 (76)	140 (130)	
	Endosulfan II	16.66	16.4	ug/kg	98				40 (80)	140 (125)	
	4,4'-DDD	16.66	15.7	ug/kg	94				40 (80)	140 (131)	
	Endosulfan sulfate	16.66	16.4	ug/kg	98				40 (81)	140 (122)	
	4,4'-DDT	16.66	18.5	ug/kg	111				40 (70)	140 (129)	
	Methoxychlor	16.66	18.3	ug/kg	110				40 (60)	140 (119)	
	Endrin ketone	16.66	18.0	ug/kg	108				40 (77)	140 (132)	
	Endrin aldehyde	16.66	17.2	ug/kg	103				40 (79)	140 (124)	
	alpha-Chlordane	16.66	16.3	ug/kg	98				40 (84)	140 (120)	
	gamma-Chlordane	16.66	16.4	ug/kg	98				40 (83)	140 (122)	

( ) = LABORATORY INHOUSE LIMIT

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4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB170628BL

Lab Name: Alliance | Contract: HDRI08

Lab Code: ACE | SDG NO.: Q3662

Lab Sample ID: PB170628BL | Lab File ID: PD091270.D

Matrix: (soil/water) Solid | Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N | Date Extracted: 11/19/2025

Date Analyzed (1): 11/19/2025 | Date Analyzed (2): 11/19/2025

Time Analyzed (1): 14:07 | Time Analyzed (2): 14:07

Instrument ID (1): ECD_D | Instrument ID (2): ECD_D

GC Column (1): ZB-MR1 ID: 0.32 (mm) | GC Column (2): ZB-MR2 ID: 0.32 (mm)

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
B3-0.0-1.0-20251117	Q3662-02	PD091278.D	11/19/2025	11/19/2025
B3-0.0-1.0-20251117MS	Q3662-02MS	PD091279.D	11/19/2025	11/19/2025
B3-0.0-1.0-20251117MSD	Q3662-02MSD	PD091280.D	11/19/2025	11/19/2025
B1-0.0-1.0-20251117	Q3662-04	PD091281.D	11/19/2025	11/19/2025
PB170628BS	PB170628BS	PD091334.D	11/21/2025	11/21/2025

COMMENTS:

QC SAMPLE DATA

Raw Data: **PD091270.D**

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	
Project:	PVWC Linear Construction	Date Received:	
Client Sample ID:	PB170628BL	SDG No.:	Q3662
Lab Sample ID:	PB170628BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol: 10000 uL	Test: Pesticide-TCL
Prep Method:	SW3541B	Prep Date: 11/19/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.13	U	1	0.13	1.70	ug/kg	11/19/25 14:07	PB170628
319-85-7	beta-BHC	0.18	U	1	0.18	1.70	ug/kg	11/19/25 14:07	PB170628
319-86-8	delta-BHC	0.39	U	1	0.39	1.70	ug/kg	11/19/25 14:07	PB170628
58-89-9	gamma-BHC (Lindane)	0.14	U	1	0.14	1.70	ug/kg	11/19/25 14:07	PB170628
76-44-8	Heptachlor	0.12	U	1	0.12	1.70	ug/kg	11/19/25 14:07	PB170628
309-00-2	Aldrin	0.12	U	1	0.12	1.70	ug/kg	11/19/25 14:07	PB170628
1024-57-3	Heptachlor epoxide	0.19	U	1	0.19	1.70	ug/kg	11/19/25 14:07	PB170628
959-98-8	Endosulfan I	0.14	U	1	0.14	1.70	ug/kg	11/19/25 14:07	PB170628
60-57-1	Dieldrin	0.14	U	1	0.14	1.70	ug/kg	11/19/25 14:07	PB170628
72-55-9	4,4-DDE	0.14	U	1	0.14	1.70	ug/kg	11/19/25 14:07	PB170628
72-20-8	Endrin	0.14	U	1	0.14	1.70	ug/kg	11/19/25 14:07	PB170628
33213-65-9	Endosulfan II	0.29	U	1	0.29	1.70	ug/kg	11/19/25 14:07	PB170628
72-54-8	4,4-DDD	0.15	U	1	0.15	1.70	ug/kg	11/19/25 14:07	PB170628
1031-07-8	Endosulfan Sulfate	0.13	U	1	0.13	1.70	ug/kg	11/19/25 14:07	PB170628
50-29-3	4,4-DDT	0.14	U	1	0.14	1.70	ug/kg	11/19/25 14:07	PB170628
72-43-5	Methoxychlor	0.37	U	1	0.37	1.70	ug/kg	11/19/25 14:07	PB170628
53494-70-5	Endrin ketone	0.19	U	1	0.19	1.70	ug/kg	11/19/25 14:07	PB170628
7421-93-4	Endrin aldehyde	0.37	U	1	0.37	1.70	ug/kg	11/19/25 14:07	PB170628
5103-71-9	alpha-Chlordane	0.12	U	1	0.12	1.70	ug/kg	11/19/25 14:07	PB170628
5103-74-2	gamma-Chlordane	0.15	U	1	0.15	1.70	ug/kg	11/19/25 14:07	PB170628
8001-35-2	Toxaphene	5.40	U	1	5.40	33.0	ug/kg	11/19/25 14:07	PB170628
SURROGATES									
2051-24-3	Decachlorobiphenyl	19.3			30 (10) - 150 (143)	97%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	18.4			30 (10) - 150 (131)	92%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	PIBLK-PD091193.D	SDG No.:	Q3662
Lab Sample ID:	I.BLK-PD091193.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	3510C Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.0039	U	1	0.0039	0.050	ug/L	11/14/25	PD111525
319-85-7	beta-BHC	0.0049	U	1	0.0049	0.050	ug/L	11/14/25	PD111525
319-86-8	delta-BHC	0.011	U	1	0.011	0.050	ug/L	11/14/25	PD111525
58-89-9	gamma-BHC (Lindane)	0.0037	U	1	0.0037	0.050	ug/L	11/14/25	PD111525
76-44-8	Heptachlor	0.0027	U	1	0.0027	0.050	ug/L	11/14/25	PD111525
309-00-2	Aldrin	0.0036	U	1	0.0036	0.050	ug/L	11/14/25	PD111525
1024-57-3	Heptachlor epoxide	0.0096	U	1	0.0096	0.050	ug/L	11/14/25	PD111525
959-98-8	Endosulfan I	0.0031	U	1	0.0031	0.050	ug/L	11/14/25	PD111525
60-57-1	Dieldrin	0.0036	U	1	0.0036	0.050	ug/L	11/14/25	PD111525
72-55-9	4,4-DDE	0.0037	U	1	0.0037	0.050	ug/L	11/14/25	PD111525
72-20-8	Endrin	0.0032	U	1	0.0032	0.050	ug/L	11/14/25	PD111525
33213-65-9	Endosulfan II	0.0079	U	1	0.0079	0.050	ug/L	11/14/25	PD111525
72-54-8	4,4-DDD	0.0071	U	1	0.0071	0.050	ug/L	11/14/25	PD111525
1031-07-8	Endosulfan Sulfate	0.0037	U	1	0.0037	0.050	ug/L	11/14/25	PD111525
50-29-3	4,4-DDT	0.0035	U	1	0.0035	0.050	ug/L	11/14/25	PD111525
72-43-5	Methoxychlor	0.011	U	1	0.011	0.050	ug/L	11/14/25	PD111525
53494-70-5	Endrin ketone	0.0093	U	1	0.0093	0.050	ug/L	11/14/25	PD111525
7421-93-4	Endrin aldehyde	0.011	U	1	0.011	0.050	ug/L	11/14/25	PD111525
5103-71-9	alpha-Chlordane	0.0035	U	1	0.0035	0.050	ug/L	11/14/25	PD111525
5103-74-2	gamma-Chlordane	0.0039	U	1	0.0039	0.050	ug/L	11/14/25	PD111525
8001-35-2	Toxaphene	0.17	U	1	0.17	1.00	ug/L	11/14/25	PD111525
SURROGATES									
2051-24-3	Decachlorobiphenyl	20.8			30 (31) - 150 (149)	104%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	20.0			30 (41) - 150 (134)	100%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/19/25
Project:	PVWC Linear Construction	Date Received:	11/19/25
Client Sample ID:	PIBLK-PD091264.D	SDG No.:	Q3662
Lab Sample ID:	I.BLK-PD091264.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	3510C Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.0039	U	1	0.0039	0.050	ug/L	11/19/25	PD111925
319-85-7	beta-BHC	0.0049	U	1	0.0049	0.050	ug/L	11/19/25	PD111925
319-86-8	delta-BHC	0.011	U	1	0.011	0.050	ug/L	11/19/25	PD111925
58-89-9	gamma-BHC (Lindane)	0.0037	U	1	0.0037	0.050	ug/L	11/19/25	PD111925
76-44-8	Heptachlor	0.0027	U	1	0.0027	0.050	ug/L	11/19/25	PD111925
309-00-2	Aldrin	0.0036	U	1	0.0036	0.050	ug/L	11/19/25	PD111925
1024-57-3	Heptachlor epoxide	0.0096	U	1	0.0096	0.050	ug/L	11/19/25	PD111925
959-98-8	Endosulfan I	0.0031	U	1	0.0031	0.050	ug/L	11/19/25	PD111925
60-57-1	Dieldrin	0.0036	U	1	0.0036	0.050	ug/L	11/19/25	PD111925
72-55-9	4,4-DDE	0.0037	U	1	0.0037	0.050	ug/L	11/19/25	PD111925
72-20-8	Endrin	0.0032	U	1	0.0032	0.050	ug/L	11/19/25	PD111925
33213-65-9	Endosulfan II	0.0079	U	1	0.0079	0.050	ug/L	11/19/25	PD111925
72-54-8	4,4-DDD	0.0071	U	1	0.0071	0.050	ug/L	11/19/25	PD111925
1031-07-8	Endosulfan Sulfate	0.0037	U	1	0.0037	0.050	ug/L	11/19/25	PD111925
50-29-3	4,4-DDT	0.0035	U	1	0.0035	0.050	ug/L	11/19/25	PD111925
72-43-5	Methoxychlor	0.011	U	1	0.011	0.050	ug/L	11/19/25	PD111925
53494-70-5	Endrin ketone	0.0093	U	1	0.0093	0.050	ug/L	11/19/25	PD111925
7421-93-4	Endrin aldehyde	0.011	U	1	0.011	0.050	ug/L	11/19/25	PD111925
5103-71-9	alpha-Chlordane	0.0035	U	1	0.0035	0.050	ug/L	11/19/25	PD111925
5103-74-2	gamma-Chlordane	0.0039	U	1	0.0039	0.050	ug/L	11/19/25	PD111925
8001-35-2	Toxaphene	0.17	U	1	0.17	1.00	ug/L	11/19/25	PD111925
SURROGATES									
2051-24-3	Decachlorobiphenyl	24.5			30 (31) - 150 (149)	123%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	23.6			30 (41) - 150 (134)	118%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/19/25
Project:	PVWC Linear Construction	Date Received:	11/19/25
Client Sample ID:	PIBLK-PD091275.D	SDG No.:	Q3662
Lab Sample ID:	I.BLK-PD091275.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	3510C Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.0039	U	1	0.0039	0.050	ug/L	11/19/25	pd111925
319-85-7	beta-BHC	0.0049	U	1	0.0049	0.050	ug/L	11/19/25	pd111925
319-86-8	delta-BHC	0.011	U	1	0.011	0.050	ug/L	11/19/25	pd111925
58-89-9	gamma-BHC (Lindane)	0.0037	U	1	0.0037	0.050	ug/L	11/19/25	pd111925
76-44-8	Heptachlor	0.0027	U	1	0.0027	0.050	ug/L	11/19/25	pd111925
309-00-2	Aldrin	0.0036	U	1	0.0036	0.050	ug/L	11/19/25	pd111925
1024-57-3	Heptachlor epoxide	0.0096	U	1	0.0096	0.050	ug/L	11/19/25	pd111925
959-98-8	Endosulfan I	0.0031	U	1	0.0031	0.050	ug/L	11/19/25	pd111925
60-57-1	Dieldrin	0.0036	U	1	0.0036	0.050	ug/L	11/19/25	pd111925
72-55-9	4,4-DDE	0.0037	U	1	0.0037	0.050	ug/L	11/19/25	pd111925
72-20-8	Endrin	0.0032	U	1	0.0032	0.050	ug/L	11/19/25	pd111925
33213-65-9	Endosulfan II	0.0079	U	1	0.0079	0.050	ug/L	11/19/25	pd111925
72-54-8	4,4-DDD	0.0071	U	1	0.0071	0.050	ug/L	11/19/25	pd111925
1031-07-8	Endosulfan Sulfate	0.0037	U	1	0.0037	0.050	ug/L	11/19/25	pd111925
50-29-3	4,4-DDT	0.0035	U	1	0.0035	0.050	ug/L	11/19/25	pd111925
72-43-5	Methoxychlor	0.011	U	1	0.011	0.050	ug/L	11/19/25	pd111925
53494-70-5	Endrin ketone	0.0093	U	1	0.0093	0.050	ug/L	11/19/25	pd111925
7421-93-4	Endrin aldehyde	0.011	U	1	0.011	0.050	ug/L	11/19/25	pd111925
5103-71-9	alpha-Chlordane	0.0035	U	1	0.0035	0.050	ug/L	11/19/25	pd111925
5103-74-2	gamma-Chlordane	0.0039	U	1	0.0039	0.050	ug/L	11/19/25	pd111925
8001-35-2	Toxaphene	0.17	U	1	0.17	1.00	ug/L	11/19/25	pd111925
SURROGATES									
2051-24-3	Decachlorobiphenyl	16.0			30 (31) - 150 (149)	80%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	18.1			30 (41) - 150 (134)	90%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/19/25
Project:	PVWC Linear Construction	Date Received:	11/19/25
Client Sample ID:	PIBLK-PD091285.D	SDG No.:	Q3662
Lab Sample ID:	I.BLK-PD091285.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	3510C Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.0039	U	1	0.0039	0.050	ug/L	11/19/25	pd111925
319-85-7	beta-BHC	0.0049	U	1	0.0049	0.050	ug/L	11/19/25	pd111925
319-86-8	delta-BHC	0.011	U	1	0.011	0.050	ug/L	11/19/25	pd111925
58-89-9	gamma-BHC (Lindane)	0.0037	U	1	0.0037	0.050	ug/L	11/19/25	pd111925
76-44-8	Heptachlor	0.0027	U	1	0.0027	0.050	ug/L	11/19/25	pd111925
309-00-2	Aldrin	0.0036	U	1	0.0036	0.050	ug/L	11/19/25	pd111925
1024-57-3	Heptachlor epoxide	0.0096	U	1	0.0096	0.050	ug/L	11/19/25	pd111925
959-98-8	Endosulfan I	0.0031	U	1	0.0031	0.050	ug/L	11/19/25	pd111925
60-57-1	Dieldrin	0.0036	U	1	0.0036	0.050	ug/L	11/19/25	pd111925
72-55-9	4,4-DDE	0.0037	U	1	0.0037	0.050	ug/L	11/19/25	pd111925
72-20-8	Endrin	0.0032	U	1	0.0032	0.050	ug/L	11/19/25	pd111925
33213-65-9	Endosulfan II	0.0079	U	1	0.0079	0.050	ug/L	11/19/25	pd111925
72-54-8	4,4-DDD	0.0071	U	1	0.0071	0.050	ug/L	11/19/25	pd111925
1031-07-8	Endosulfan Sulfate	0.0037	U	1	0.0037	0.050	ug/L	11/19/25	pd111925
50-29-3	4,4-DDT	0.0035	U	1	0.0035	0.050	ug/L	11/19/25	pd111925
72-43-5	Methoxychlor	0.011	U	1	0.011	0.050	ug/L	11/19/25	pd111925
53494-70-5	Endrin ketone	0.0093	U	1	0.0093	0.050	ug/L	11/19/25	pd111925
7421-93-4	Endrin aldehyde	0.011	U	1	0.011	0.050	ug/L	11/19/25	pd111925
5103-71-9	alpha-Chlordane	0.0035	U	1	0.0035	0.050	ug/L	11/19/25	pd111925
5103-74-2	gamma-Chlordane	0.0039	U	1	0.0039	0.050	ug/L	11/19/25	pd111925
8001-35-2	Toxaphene	0.17	U	1	0.17	1.00	ug/L	11/19/25	pd111925
SURROGATES									
2051-24-3	Decachlorobiphenyl	16.4			30 (31) - 150 (149)	82%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	17.5			30 (41) - 150 (134)	88%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/21/25
Project:	PVWC Linear Construction	Date Received:	11/21/25
Client Sample ID:	PIBLK-PD091328.D	SDG No.:	Q3662
Lab Sample ID:	I.BLK-PD091328.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	3510C Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.0039	U	1	0.0039	0.050	ug/L	11/21/25	pd112125
319-85-7	beta-BHC	0.0049	U	1	0.0049	0.050	ug/L	11/21/25	pd112125
319-86-8	delta-BHC	0.011	U	1	0.011	0.050	ug/L	11/21/25	pd112125
58-89-9	gamma-BHC (Lindane)	0.0037	U	1	0.0037	0.050	ug/L	11/21/25	pd112125
76-44-8	Heptachlor	0.0027	U	1	0.0027	0.050	ug/L	11/21/25	pd112125
309-00-2	Aldrin	0.0036	U	1	0.0036	0.050	ug/L	11/21/25	pd112125
1024-57-3	Heptachlor epoxide	0.0096	U	1	0.0096	0.050	ug/L	11/21/25	pd112125
959-98-8	Endosulfan I	0.0031	U	1	0.0031	0.050	ug/L	11/21/25	pd112125
60-57-1	Dieldrin	0.0036	U	1	0.0036	0.050	ug/L	11/21/25	pd112125
72-55-9	4,4-DDE	0.0037	U	1	0.0037	0.050	ug/L	11/21/25	pd112125
72-20-8	Endrin	0.0032	U	1	0.0032	0.050	ug/L	11/21/25	pd112125
33213-65-9	Endosulfan II	0.0079	U	1	0.0079	0.050	ug/L	11/21/25	pd112125
72-54-8	4,4-DDD	0.0071	U	1	0.0071	0.050	ug/L	11/21/25	pd112125
1031-07-8	Endosulfan Sulfate	0.0037	U	1	0.0037	0.050	ug/L	11/21/25	pd112125
50-29-3	4,4-DDT	0.0035	U	1	0.0035	0.050	ug/L	11/21/25	pd112125
72-43-5	Methoxychlor	0.011	U	1	0.011	0.050	ug/L	11/21/25	pd112125
53494-70-5	Endrin ketone	0.0093	U	1	0.0093	0.050	ug/L	11/21/25	pd112125
7421-93-4	Endrin aldehyde	0.011	U	1	0.011	0.050	ug/L	11/21/25	pd112125
5103-71-9	alpha-Chlordane	0.0035	U	1	0.0035	0.050	ug/L	11/21/25	pd112125
5103-74-2	gamma-Chlordane	0.0039	U	1	0.0039	0.050	ug/L	11/21/25	pd112125
8001-35-2	Toxaphene	0.17	U	1	0.17	1.00	ug/L	11/21/25	pd112125
SURROGATES									
2051-24-3	Decachlorobiphenyl	23.8			30 (31) - 150 (149)	119%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	22.9			30 (41) - 150 (134)	115%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/21/25
Project:	PVWC Linear Construction	Date Received:	11/21/25
Client Sample ID:	PIBLK-PD091345.D	SDG No.:	Q3662
Lab Sample ID:	I.BLK-PD091345.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	3510C Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.0039	U	1	0.0039	0.050	ug/L	11/21/25	pd112125
319-85-7	beta-BHC	0.0049	U	1	0.0049	0.050	ug/L	11/21/25	pd112125
319-86-8	delta-BHC	0.011	U	1	0.011	0.050	ug/L	11/21/25	pd112125
58-89-9	gamma-BHC (Lindane)	0.0037	U	1	0.0037	0.050	ug/L	11/21/25	pd112125
76-44-8	Heptachlor	0.0027	U	1	0.0027	0.050	ug/L	11/21/25	pd112125
309-00-2	Aldrin	0.0036	U	1	0.0036	0.050	ug/L	11/21/25	pd112125
1024-57-3	Heptachlor epoxide	0.0096	U	1	0.0096	0.050	ug/L	11/21/25	pd112125
959-98-8	Endosulfan I	0.0031	U	1	0.0031	0.050	ug/L	11/21/25	pd112125
60-57-1	Dieldrin	0.0036	U	1	0.0036	0.050	ug/L	11/21/25	pd112125
72-55-9	4,4-DDE	0.0037	U	1	0.0037	0.050	ug/L	11/21/25	pd112125
72-20-8	Endrin	0.0032	U	1	0.0032	0.050	ug/L	11/21/25	pd112125
33213-65-9	Endosulfan II	0.0079	U	1	0.0079	0.050	ug/L	11/21/25	pd112125
72-54-8	4,4-DDD	0.0071	U	1	0.0071	0.050	ug/L	11/21/25	pd112125
1031-07-8	Endosulfan Sulfate	0.0037	U	1	0.0037	0.050	ug/L	11/21/25	pd112125
50-29-3	4,4-DDT	0.0035	U	1	0.0035	0.050	ug/L	11/21/25	pd112125
72-43-5	Methoxychlor	0.011	U	1	0.011	0.050	ug/L	11/21/25	pd112125
53494-70-5	Endrin ketone	0.0093	U	1	0.0093	0.050	ug/L	11/21/25	pd112125
7421-93-4	Endrin aldehyde	0.011	U	1	0.011	0.050	ug/L	11/21/25	pd112125
5103-71-9	alpha-Chlordane	0.0035	U	1	0.0035	0.050	ug/L	11/21/25	pd112125
5103-74-2	gamma-Chlordane	0.0039	U	1	0.0039	0.050	ug/L	11/21/25	pd112125
8001-35-2	Toxaphene	0.17	U	1	0.17	1.00	ug/L	11/21/25	pd112125
SURROGATES									
2051-24-3	Decachlorobiphenyl	19.4			30 (31) - 150 (149)	97%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	21.2			30 (41) - 150 (134)	106%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Raw Data: **PD091334.D**

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	HDR, Inc.	Date Collected:	
Project:	PVWC Linear Construction	Date Received:	
Client Sample ID:	PB170628BS	SDG No.:	Q3662
Lab Sample ID:	PB170628BS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol: 10000 uL	Test: Pesticide-TCL
Prep Method:	SW3541B	Prep Date: 11/19/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	15.4		1	0.13	1.70	ug/kg	11/21/25 11:38	PB170628
319-85-7	beta-BHC	15.7		1	0.18	1.70	ug/kg	11/21/25 11:38	PB170628
319-86-8	delta-BHC	14.6		1	0.39	1.70	ug/kg	11/21/25 11:38	PB170628
58-89-9	gamma-BHC (Lindane)	15.7		1	0.14	1.70	ug/kg	11/21/25 11:38	PB170628
76-44-8	Heptachlor	16.1		1	0.12	1.70	ug/kg	11/21/25 11:38	PB170628
309-00-2	Aldrin	16.4		1	0.12	1.70	ug/kg	11/21/25 11:38	PB170628
1024-57-3	Heptachlor epoxide	16.2		1	0.19	1.70	ug/kg	11/21/25 11:38	PB170628
959-98-8	Endosulfan I	15.5		1	0.14	1.70	ug/kg	11/21/25 11:38	PB170628
60-57-1	Dieldrin	16.4		1	0.14	1.70	ug/kg	11/21/25 11:38	PB170628
72-55-9	4,4-DDE	16.4		1	0.14	1.70	ug/kg	11/21/25 11:38	PB170628
72-20-8	Endrin	18.1		1	0.14	1.70	ug/kg	11/21/25 11:38	PB170628
33213-65-9	Endosulfan II	16.4		1	0.29	1.70	ug/kg	11/21/25 11:38	PB170628
72-54-8	4,4-DDD	15.7		1	0.15	1.70	ug/kg	11/21/25 11:38	PB170628
1031-07-8	Endosulfan Sulfate	16.4		1	0.13	1.70	ug/kg	11/21/25 11:38	PB170628
50-29-3	4,4-DDT	18.5		1	0.14	1.70	ug/kg	11/21/25 11:38	PB170628
72-43-5	Methoxychlor	18.3		1	0.37	1.70	ug/kg	11/21/25 11:38	PB170628
53494-70-5	Endrin ketone	18.0		1	0.19	1.70	ug/kg	11/21/25 11:38	PB170628
7421-93-4	Endrin aldehyde	17.2		1	0.37	1.70	ug/kg	11/21/25 11:38	PB170628
5103-71-9	alpha-Chlordane	16.3		1	0.12	1.70	ug/kg	11/21/25 11:38	PB170628
5103-74-2	gamma-Chlordane	16.4		1	0.15	1.70	ug/kg	11/21/25 11:38	PB170628
8001-35-2	Toxaphene	5.40	U	1	5.40	33.0	ug/kg	11/21/25 11:38	PB170628
SURROGATES									
2051-24-3	Decachlorobiphenyl	23.8			30 (10) - 150 (143)	119%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	22.1			30 (10) - 150 (131)	111%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Raw Data: **PD091279.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/17/25
Project:	PVWC Linear Construction	Date Received:	11/18/25
Client Sample ID:	B3-0.0-1.0-20251117MS	SDG No.:	Q3662
Lab Sample ID:	Q3662-02MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	84.7
Sample Wt/Vol:	30.05 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541B Prep Date: 11/19/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	16.7		1	0.15	2.00	ug/kg	11/19/25 16:37	PB170628
319-85-7	beta-BHC	17.7		1	0.21	2.00	ug/kg	11/19/25 16:37	PB170628
319-86-8	delta-BHC	14.0		1	0.46	2.00	ug/kg	11/19/25 16:37	PB170628
58-89-9	gamma-BHC (Lindane)	15.8		1	0.17	2.00	ug/kg	11/19/25 16:37	PB170628
76-44-8	Heptachlor	9.80		1	0.14	2.00	ug/kg	11/19/25 16:37	PB170628
309-00-2	Aldrin	17.9		1	0.14	2.00	ug/kg	11/19/25 16:37	PB170628
1024-57-3	Heptachlor epoxide	17.4		1	0.22	2.00	ug/kg	11/19/25 16:37	PB170628
959-98-8	Endosulfan I	15.2		1	0.17	2.00	ug/kg	11/19/25 16:37	PB170628
60-57-1	Dieldrin	17.8		1	0.17	2.00	ug/kg	11/19/25 16:37	PB170628
72-55-9	4,4-DDE	18.1		1	0.17	2.00	ug/kg	11/19/25 16:37	PB170628
72-20-8	Endrin	17.4		1	0.17	2.00	ug/kg	11/19/25 16:37	PB170628
33213-65-9	Endosulfan II	15.2		1	0.34	2.00	ug/kg	11/19/25 16:37	PB170628
72-54-8	4,4-DDD	14.4		1	0.18	2.00	ug/kg	11/19/25 16:37	PB170628
1031-07-8	Endosulfan Sulfate	11.8		1	0.15	2.00	ug/kg	11/19/25 16:37	PB170628
50-29-3	4,4-DDT	9.10		1	0.17	2.00	ug/kg	11/19/25 16:37	PB170628
72-43-5	Methoxychlor	8.20		1	0.44	2.00	ug/kg	11/19/25 16:37	PB170628
53494-70-5	Endrin ketone	9.40		1	0.22	2.00	ug/kg	11/19/25 16:37	PB170628
7421-93-4	Endrin aldehyde	6.40		1	0.44	2.00	ug/kg	11/19/25 16:37	PB170628
5103-71-9	alpha-Chlordane	18.1		1	0.14	2.00	ug/kg	11/19/25 16:37	PB170628
5103-74-2	gamma-Chlordane	20.5		1	0.18	2.00	ug/kg	11/19/25 16:37	PB170628
8001-35-2	Toxaphene	6.40	U	1	6.40	38.9	ug/kg	11/19/25 16:37	PB170628
SURROGATES									
2051-24-3	Decachlorobiphenyl	11.0			30 (10) - 150 (143)	55%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	14.7			30 (10) - 150 (131)	74%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Raw Data: **PD091280.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/17/25
Project:	PVWC Linear Construction	Date Received:	11/18/25
Client Sample ID:	B3-0.0-1.0-20251117MSD	SDG No.:	Q3662
Lab Sample ID:	Q3662-02MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	84.7
Sample Wt/Vol:	30.08 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541B Prep Date: 11/19/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	17.9		1	0.15	2.00	ug/kg	11/19/25 16:51	PB170628
319-85-7	beta-BHC	18.0		1	0.21	2.00	ug/kg	11/19/25 16:51	PB170628
319-86-8	delta-BHC	16.7		1	0.46	2.00	ug/kg	11/19/25 16:51	PB170628
58-89-9	gamma-BHC (Lindane)	17.3		1	0.16	2.00	ug/kg	11/19/25 16:51	PB170628
76-44-8	Heptachlor	11.0		1	0.14	2.00	ug/kg	11/19/25 16:51	PB170628
309-00-2	Aldrin	18.0		1	0.14	2.00	ug/kg	11/19/25 16:51	PB170628
1024-57-3	Heptachlor epoxide	17.6		1	0.22	2.00	ug/kg	11/19/25 16:51	PB170628
959-98-8	Endosulfan I	16.4		1	0.16	2.00	ug/kg	11/19/25 16:51	PB170628
60-57-1	Dieldrin	17.7		1	0.16	2.00	ug/kg	11/19/25 16:51	PB170628
72-55-9	4,4-DDE	17.8		1	0.16	2.00	ug/kg	11/19/25 16:51	PB170628
72-20-8	Endrin	17.7		1	0.16	2.00	ug/kg	11/19/25 16:51	PB170628
33213-65-9	Endosulfan II	16.3		1	0.34	2.00	ug/kg	11/19/25 16:51	PB170628
72-54-8	4,4-DDD	15.5		1	0.18	2.00	ug/kg	11/19/25 16:51	PB170628
1031-07-8	Endosulfan Sulfate	14.2		1	0.15	2.00	ug/kg	11/19/25 16:51	PB170628
50-29-3	4,4-DDT	11.6		1	0.16	2.00	ug/kg	11/19/25 16:51	PB170628
72-43-5	Methoxychlor	10.2		1	0.44	2.00	ug/kg	11/19/25 16:51	PB170628
53494-70-5	Endrin ketone	13.4		1	0.22	2.00	ug/kg	11/19/25 16:51	PB170628
7421-93-4	Endrin aldehyde	10.0		1	0.44	2.00	ug/kg	11/19/25 16:51	PB170628
5103-71-9	alpha-Chlordane	18.1		1	0.14	2.00	ug/kg	11/19/25 16:51	PB170628
5103-74-2	gamma-Chlordane	20.2		1	0.18	2.00	ug/kg	11/19/25 16:51	PB170628
8001-35-2	Toxaphene	6.40	U	1	6.40	38.9	ug/kg	11/19/25 16:51	PB170628
SURROGATES									
2051-24-3	Decachlorobiphenyl	10.7			30 (10) - 150 (143)	53%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	15.3			30 (10) - 150 (131)	77%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CALIBRATION SUMMARY

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Contract: HDRI08
Lab Code: ACE
SDG NO.: Q3662
Instrument ID: ECD_D
Calibration Date(s): 11/14/2025 11/14/2025
Calibration Times: 20:56 21:51

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID: RT 100 = PD091196.D RT 075 = PD091197.D
RT 050 = PD091198.D RT 025 = PD091199.D RT 005 = PD091200.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	6.70	6.70	6.70	6.70	6.70	6.70	6.60	6.80
4,4'-DDE	6.19	6.19	6.19	6.19	6.19	6.19	6.09	6.29
4,4'-DDT	7.01	7.02	7.01	7.02	7.01	7.01	6.91	7.11
Aldrin	5.26	5.26	5.26	5.26	5.26	5.26	5.16	5.36
alpha-BHC	3.99	3.99	3.99	3.99	3.99	3.99	3.89	4.09
alpha-Chlordane	6.02	6.02	6.02	6.02	6.02	6.02	5.92	6.12
beta-BHC	4.51	4.51	4.51	4.51	4.51	4.51	4.41	4.61
Decachlorobiphenyl	9.06	9.06	9.06	9.07	9.06	9.06	8.96	9.16
delta-BHC	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Dieldrin	6.34	6.34	6.34	6.34	6.34	6.34	6.24	6.44
Endosulfan I	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Endosulfan II	6.78	6.78	6.78	6.78	6.78	6.78	6.68	6.88
Endosulfan sulfate	7.14	7.14	7.14	7.14	7.14	7.14	7.04	7.24
Endrin	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
Endrin aldehyde	6.91	6.91	6.91	6.91	6.91	6.91	6.81	7.01
Endrin ketone	7.62	7.63	7.62	7.62	7.62	7.62	7.52	7.72
gamma-BHC (Lindane)	4.32	4.32	4.32	4.32	4.32	4.32	4.22	4.42
gamma-Chlordane	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Heptachlor	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Heptachlor epoxide	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Methoxychlor	7.49	7.49	7.49	7.49	7.49	7.49	7.39	7.59
Tetrachloro-m-xylene	3.54	3.54	3.54	3.54	3.54	3.54	3.44	3.64

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D
Contract: HDRI08
SDG NO.: Q3662
Calibration Date(s): 11/14/2025 11/14/2025
Calibration Times: 20:56 21:51

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 100 = PD091196.D RT 075 = PD091197.D
RT 050 = PD091198.D RT 025 = PD091199.D RT 005 = PD091200.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	5.92	5.92	5.92	5.92	5.92	5.92	5.82	6.02
4,4'-DDE	5.36	5.36	5.36	5.36	5.36	5.36	5.26	5.46
4,4'-DDT	6.17	6.17	6.17	6.17	6.17	6.17	6.07	6.27
Aldrin	4.36	4.36	4.36	4.36	4.36	4.36	4.26	4.46
alpha-BHC	3.39	3.39	3.39	3.39	3.39	3.39	3.29	3.49
alpha-Chlordane	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
beta-BHC	4.02	4.02	4.02	4.02	4.02	4.02	3.92	4.12
Decachlorobiphenyl	8.06	8.06	8.06	8.06	8.06	8.06	7.96	8.16
delta-BHC	4.25	4.25	4.25	4.25	4.25	4.25	4.15	4.35
Dieldrin	5.50	5.50	5.50	5.50	5.50	5.50	5.40	5.60
Endosulfan I	5.24	5.24	5.24	5.24	5.24	5.24	5.14	5.34
Endosulfan II	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Endosulfan sulfate	6.47	6.47	6.47	6.47	6.47	6.47	6.37	6.57
Endrin	5.78	5.78	5.78	5.78	5.78	5.78	5.68	5.88
Endrin aldehyde	6.25	6.25	6.25	6.25	6.25	6.25	6.15	6.35
Endrin ketone	6.98	6.98	6.98	6.98	6.98	6.98	6.88	7.08
gamma-BHC (Lindane)	3.72	3.72	3.72	3.72	3.72	3.72	3.62	3.82
gamma-Chlordane	5.11	5.11	5.11	5.12	5.11	5.11	5.01	5.21
Heptachlor	4.07	4.07	4.07	4.07	4.07	4.07	3.97	4.17
Heptachlor epoxide	4.86	4.86	4.86	4.86	4.86	4.86	4.76	4.96
Methoxychlor	6.74	6.74	6.74	6.74	6.74	6.74	6.64	6.84
Tetrachloro-m-xylene	2.87	2.87	2.87	2.87	2.87	2.87	2.77	2.97

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D

Contract: HDRI08
SDG NO.: Q3662
Calibration Date(s): 11/14/2025 11/14/2025
Calibration Times: 20:56 21:51

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 100 =** PD091196.D **CF 075 =** PD091197.D
CF 050 = PD091198.D **CF 025 =** PD091199.D **CF 005 =** PD091200.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	4592720000	4750410000	4706670000	4762630000	5745110000	4911510000	10
4,4'-DDE	5537410000	5724420000	5594750000	5596930000	6543500000	5799400000	7
4,4'-DDT	4033900000	4103640000	4023370000	3973800000	4542840000	4135510000	6
Aldrin	6913630000	7108360000	6994820000	7033330000	8231840000	7256400000	8
alpha-BHC	7991490000	8120730000	7870330000	7613270000	8381750000	7995510000	4
alpha-Chlordane	6168980000	6320470000	6262210000	6530520000	9131880000	6882810000	18
beta-BHC	2584470000	2701070000	2721620000	2850470000	3669860000	2905500000	15
Decachlorobiphenyl	4266550000	4520270000	4633000000	4951710000	6537810000	4981870000	18
delta-BHC	7343040000	7477970000	7279360000	7082560000	7977500000	7432080000	5
Dieldrin	6112350000	6323390000	6220240000	6264150000	7404460000	6464920000	8
Endosulfan I	5622190000	5847020000	5809210000	5991120000	7445430000	6142990000	12
Endosulfan II	5022110000	5221970000	5253890000	5419940000	6878740000	5559330000	14
Endosulfan sulfate	4635330000	4824080000	4867360000	5023730000	6373440000	5144790000	14
Endrin	4763010000	4861760000	4775160000	4762720000	5654790000	4963490000	8
Endrin aldehyde	3642590000	3820110000	3882150000	4087850000	5397480000	4166040000	17
Endrin ketone	5131250000	5317460000	5324710000	5507230000	6887120000	5633560000	13
gamma-BHC (Lindane)	7349570000	7492470000	7318000000	7162850000	8041460000	7472870000	5
gamma-Chlordane	6123460000	6343120000	6211230000	6313670000	7512390000	6500770000	9
Heptachlor	6873030000	7051630000	6922840000	6902860000	8058350000	7161740000	7
Heptachlor epoxide	6045880000	6198590000	6197710000	6327850000	7713630000	6496730000	11
Methoxychlor	1967810000	2033910000	2048060000	2143440000	2678460000	2174340000	13
Tetrachloro-m-xylene	3100550000	3224630000	3262160000	3454950000	4200860000	3448630000	13

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D

Contract: HDRI08
SDG NO.: Q3662
Calibration Date(s): 11/14/2025 11/14/2025
Calibration Times: 20:56 21:51

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 100 =** PD091196.D **CF 075 =** PD091197.D
CF 050 = PD091198.D **CF 025 =** PD091199.D **CF 005 =** PD091200.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	42169800000	44652200000	46098100000	48914200000	62508300000	48868500000	16
4,4'-DDE	46784900000	49153600000	50413800000	53041500000	67816900000	53442100000	16
4,4'-DDT	36565400000	37844700000	38225900000	38748200000	44278500000	39132500000	8
Aldrin	49756900000	52224800000	53642000000	56183400000	70485000000	56458400000	14
alpha-BHC	57081100000	59401300000	60005600000	62092800000	77433200000	63202800000	13
alpha-Chlordane	46162300000	48496400000	49694800000	52042000000	65261400000	52331400000	14
beta-BHC	20855800000	21963600000	22629700000	23880400000	30805800000	24027100000	16
Decachlorobiphenyl	35391500000	36530600000	37125400000	38755300000	50071600000	39574900000	15
delta-BHC	51951800000	54520500000	55333700000	57523500000	73056200000	58477100000	14
Dieldrin	47342900000	49974500000	51581700000	54390600000	68265900000	54311100000	15
Endosulfan I	41219300000	43810000000	45334200000	48114600000	60781000000	47851800000	16
Endosulfan II	40233600000	42630400000	44155200000	46739900000	59639900000	46679800000	16
Endosulfan sulfate	38807500000	40991800000	42555300000	44718700000	57101400000	44834900000	16
Endrin	39723100000	41747800000	43010100000	44994600000	56487600000	45192700000	15
Endrin aldehyde	29904600000	31738200000	33159100000	35293100000	46350200000	35289100000	18
Endrin ketone	43743400000	46381200000	48213200000	51142400000	65299300000	50955900000	17
gamma-BHC (Lindane)	52036700000	54159800000	54955200000	56993600000	70961400000	57821300000	13
gamma-Chlordane	48541600000	50822000000	51970500000	54222400000	67580500000	54627400000	14
Heptachlor	48452800000	51096600000	52341200000	55061200000	69095300000	55209400000	15
Heptachlor epoxide	43794700000	46344600000	48042100000	50883900000	65728100000	50958700000	17
Methoxychlor	17875100000	18763500000	19368600000	20213700000	24036200000	20051400000	12
Tetrachloro-m-xylene	32274400000	33875900000	34577100000	36418900000	46004800000	36630200000	15

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

Instrument ID: ECD_D **Date(s) Analyzed:** 11/14/2025 11/14/2025

GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	6.23	6.13	6.33	42812100
		2	6.44	6.34	6.54	68979500
		3	7.14	7.04	7.24	112624000
		4	7.56	7.46	7.66	130712000
		5	7.92	7.82	8.02	79291700

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

Instrument ID: ECD_D **Date(s) Analyzed:** 11/14/2025 11/14/2025

GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	5.46	5.36	5.56	348471000
		2	5.64	5.54	5.74	231072000
		3	6.74	6.64	6.84	1091020000
		4	7.19	7.09	7.29	705058000
		5	7.32	7.22	7.42	442502000

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

Continuing Calib Date: 11/19/2025 **Initial Calibration Date(s):** 11/14/2025 11/14/2025

Continuing Calib Time: 12:24 **Initial Calibration Time(s):** 20:56 21:51

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.06	8.96	9.16	-0.01
Tetrachloro-m-xylene	3.55	3.54	3.44	3.64	-0.01
alpha-BHC	4.00	3.99	3.89	4.09	-0.01
beta-BHC	4.52	4.51	4.41	4.61	-0.01
delta-BHC	4.77	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.33	4.32	4.22	4.42	-0.01
Heptachlor	4.93	4.92	4.82	5.02	-0.01
Aldrin	5.27	5.26	5.16	5.36	-0.01
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.34	6.24	6.44	-0.01
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.79	6.78	6.68	6.88	0.00
4,4'-DDD	6.71	6.70	6.60	6.80	0.00
Endosulfan sulfate	7.15	7.14	7.04	7.24	-0.01
4,4'-DDT	7.02	7.01	6.91	7.11	-0.01
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.62	7.52	7.72	-0.01
Endrin aldehyde	6.92	6.91	6.81	7.01	0.00
alpha-Chlordane	6.03	6.02	5.92	6.12	-0.01
gamma-Chlordane	5.95	5.94	5.84	6.04	-0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

Continuing Calib Date: 11/19/2025 **Initial Calibration Date(s):** 11/14/2025 11/14/2025

Continuing Calib Time: 12:24 **Initial Calibration Time(s):** 20:56 21:51

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.87	2.87	2.77	2.97	0.00
alpha-BHC	3.38	3.39	3.29	3.49	0.01
beta-BHC	4.02	4.02	3.92	4.12	0.01
delta-BHC	4.25	4.25	4.15	4.35	0.00
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.07	4.07	3.97	4.17	0.00
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.86	4.86	4.76	4.96	0.00
Endosulfan I	5.23	5.24	5.14	5.34	0.01
Dieldrin	5.50	5.50	5.40	5.60	0.00
4,4'-DDE	5.36	5.36	5.26	5.46	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.07	5.97	6.17	0.00
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.47	6.47	6.37	6.57	0.00
4,4'-DDT	6.17	6.17	6.07	6.27	0.00
Methoxychlor	6.74	6.74	6.64	6.84	0.00
Endrin ketone	6.98	6.98	6.88	7.08	0.00
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.18	5.18	5.08	5.28	0.00
gamma-Chlordane	5.11	5.11	5.01	5.21	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/14/2025 11/14/2025

Client Sample No.: CCAL01 **Date Analyzed:** 11/19/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD091266.D **Time Analyzed:** 12:24

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.705	6.599	6.799	45.400	50.000	-9.2
4,4'-DDE	6.195	6.089	6.289	46.480	50.000	-7.0
4,4'-DDT	7.021	6.914	7.114	53.560	50.000	7.1
Aldrin	5.268	5.163	5.363	46.770	50.000	-6.5
alpha-BHC	3.998	3.893	4.093	48.290	50.000	-3.4
alpha-Chlordane	6.025	5.919	6.119	43.990	50.000	-12.0
beta-BHC	4.517	4.411	4.611	45.910	50.000	-8.2
Decachlorobiphenyl	9.071	8.963	9.163	44.220	50.000	-11.6
delta-BHC	4.765	4.660	4.860	47.940	50.000	-4.1
Dieldrin	6.346	6.239	6.439	46.820	50.000	-6.4
Endosulfan I	6.073	5.966	6.166	46.120	50.000	-7.8
Endosulfan II	6.785	6.679	6.879	46.670	50.000	-6.7
Endosulfan sulfate	7.150	7.043	7.243	45.880	50.000	-8.2
Endrin	6.573	6.466	6.666	51.290	50.000	2.6
Endrin aldehyde	6.915	6.808	7.008	45.340	50.000	-9.3
Endrin ketone	7.630	7.524	7.724	45.460	50.000	-9.1
gamma-BHC (Lindane)	4.329	4.224	4.424	47.900	50.000	-4.2
gamma-Chlordane	5.945	5.838	6.038	46.620	50.000	-6.8
Heptachlor	4.927	4.821	5.021	48.920	50.000	-2.2
Heptachlor epoxide	5.689	5.582	5.782	46.910	50.000	-6.2
Methoxychlor	7.494	7.387	7.587	51.700	50.000	3.4
Tetrachloro-m-xylene	3.549	3.444	3.644	45.820	50.000	-8.4

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/14/2025 11/14/2025

Client Sample No.: CCAL01 **Date Analyzed:** 11/19/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD091266.D **Time Analyzed:** 12:24

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.917	5.817	6.017	44.410	50.000	-11.2
4,4'-DDE	5.362	5.263	5.463	49.640	50.000	-0.7
4,4'-DDT	6.170	6.071	6.271	56.810	50.000	13.6
Aldrin	4.355	4.258	4.458	49.040	50.000	-1.9
alpha-BHC	3.382	3.286	3.486	48.820	50.000	-2.4
alpha-Chlordane	5.177	5.079	5.279	48.910	50.000	-2.2
beta-BHC	4.015	3.918	4.118	47.690	50.000	-4.6
Decachlorobiphenyl	8.058	7.958	8.158	51.120	50.000	2.2
delta-BHC	4.251	4.153	4.353	48.320	50.000	-3.4
Dieldrin	5.499	5.401	5.601	48.080	50.000	-3.8
Endosulfan I	5.234	5.135	5.335	45.950	50.000	-8.1
Endosulfan II	6.068	5.969	6.169	48.860	50.000	-2.3
Endosulfan sulfate	6.470	6.371	6.571	49.740	50.000	-0.5
Endrin	5.776	5.678	5.878	50.960	50.000	1.9
Endrin aldehyde	6.246	6.148	6.348	48.150	50.000	-3.7
Endrin ketone	6.979	6.880	7.080	47.730	50.000	-4.5
gamma-BHC (Lindane)	3.718	3.621	3.821	48.750	50.000	-2.5
gamma-Chlordane	5.112	5.014	5.214	49.450	50.000	-1.1
Heptachlor	4.070	3.973	4.173	46.100	50.000	-7.8
Heptachlor epoxide	4.860	4.762	4.962	47.970	50.000	-4.1
Methoxychlor	6.741	6.641	6.841	52.480	50.000	5.0
Tetrachloro-m-xylene	2.870	2.774	2.974	48.490	50.000	-3.0

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

Continuing Calib Date: 11/19/2025 **Initial Calibration Date(s):** 11/14/2025 11/14/2025

Continuing Calib Time: 15:55 **Initial Calibration Time(s):** 20:56 21:51

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.06	8.96	9.16	-0.01
Tetrachloro-m-xylene	3.55	3.54	3.44	3.64	-0.01
alpha-BHC	4.00	3.99	3.89	4.09	-0.01
beta-BHC	4.52	4.51	4.41	4.61	-0.01
delta-BHC	4.77	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.33	4.32	4.22	4.42	-0.01
Heptachlor	4.93	4.92	4.82	5.02	-0.01
Aldrin	5.27	5.26	5.16	5.36	-0.01
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.79	6.78	6.68	6.88	0.00
4,4'-DDD	6.70	6.70	6.60	6.80	0.00
Endosulfan sulfate	7.15	7.14	7.04	7.24	-0.01
4,4'-DDT	7.02	7.01	6.91	7.11	-0.01
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.62	7.52	7.72	-0.01
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

Continuing Calib Date: 11/19/2025 **Initial Calibration Date(s):** 11/14/2025 11/14/2025

Continuing Calib Time: 15:55 **Initial Calibration Time(s):** 20:56 21:51

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.87	2.87	2.77	2.97	0.00
alpha-BHC	3.38	3.39	3.29	3.49	0.01
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.25	4.25	4.15	4.35	0.00
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.07	4.07	3.97	4.17	0.00
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.86	4.86	4.76	4.96	0.00
Endosulfan I	5.23	5.24	5.14	5.34	0.01
Dieldrin	5.50	5.50	5.40	5.60	0.00
4,4'-DDE	5.36	5.36	5.26	5.46	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.07	5.97	6.17	0.00
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.47	6.47	6.37	6.57	0.00
4,4'-DDT	6.17	6.17	6.07	6.27	0.00
Methoxychlor	6.74	6.74	6.64	6.84	0.00
Endrin ketone	6.98	6.98	6.88	7.08	0.00
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.18	5.18	5.08	5.28	0.00
gamma-Chlordane	5.11	5.11	5.01	5.21	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/14/2025 11/14/2025

Client Sample No.: CCAL02 **Date Analyzed:** 11/19/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD091276.D **Time Analyzed:** 15:55

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.704	6.599	6.799	47.550	50.000	-4.9
4,4'-DDE	6.194	6.089	6.289	46.550	50.000	-6.9
4,4'-DDT	7.019	6.914	7.114	54.200	50.000	8.4
Aldrin	5.267	5.163	5.363	48.720	50.000	-2.6
alpha-BHC	3.998	3.893	4.093	50.750	50.000	1.5
alpha-Chlordane	6.024	5.919	6.119	44.430	50.000	-11.1
beta-BHC	4.517	4.411	4.611	46.810	50.000	-6.4
Decachlorobiphenyl	9.068	8.963	9.163	44.010	50.000	-12.0
delta-BHC	4.765	4.660	4.860	49.270	50.000	-1.5
Dieldrin	6.344	6.239	6.439	46.650	50.000	-6.7
Endosulfan I	6.072	5.966	6.166	46.560	50.000	-6.9
Endosulfan II	6.785	6.679	6.879	46.960	50.000	-6.1
Endosulfan sulfate	7.148	7.043	7.243	44.370	50.000	-11.3
Endrin	6.572	6.466	6.666	51.800	50.000	3.6
Endrin aldehyde	6.914	6.808	7.008	46.090	50.000	-7.8
Endrin ketone	7.629	7.524	7.724	44.830	50.000	-10.3
gamma-BHC (Lindane)	4.329	4.224	4.424	49.790	50.000	-0.4
gamma-Chlordane	5.943	5.838	6.038	47.790	50.000	-4.4
Heptachlor	4.926	4.821	5.021	50.800	50.000	1.6
Heptachlor epoxide	5.688	5.582	5.782	46.570	50.000	-6.9
Methoxychlor	7.492	7.387	7.587	50.800	50.000	1.6
Tetrachloro-m-xylene	3.548	3.444	3.644	47.810	50.000	-4.4

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/14/2025 11/14/2025

Client Sample No.: CCAL02 **Date Analyzed:** 11/19/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD091276.D **Time Analyzed:** 15:55

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.917	5.817	6.017	44.380	50.000	-11.2
4,4'-DDE	5.362	5.263	5.463	49.930	50.000	-0.1
4,4'-DDT	6.171	6.071	6.271	55.040	50.000	10.1
Aldrin	4.357	4.258	4.458	50.440	50.000	0.9
alpha-BHC	3.383	3.286	3.486	50.650	50.000	1.3
alpha-Chlordane	5.178	5.079	5.279	49.970	50.000	-0.1
beta-BHC	4.016	3.918	4.118	49.450	50.000	-1.1
Decachlorobiphenyl	8.058	7.958	8.158	42.460	50.000	-15.1
delta-BHC	4.252	4.153	4.353	50.080	50.000	0.2
Dieldrin	5.500	5.401	5.601	48.390	50.000	-3.2
Endosulfan I	5.234	5.135	5.335	46.250	50.000	-7.5
Endosulfan II	6.068	5.969	6.169	46.940	50.000	-6.1
Endosulfan sulfate	6.471	6.371	6.571	47.030	50.000	-5.9
Endrin	5.777	5.678	5.878	52.790	50.000	5.6
Endrin aldehyde	6.247	6.148	6.348	46.090	50.000	-7.8
Endrin ketone	6.980	6.880	7.080	44.040	50.000	-11.9
gamma-BHC (Lindane)	3.719	3.621	3.821	50.650	50.000	1.3
gamma-Chlordane	5.113	5.014	5.214	50.420	50.000	0.8
Heptachlor	4.071	3.973	4.173	51.390	50.000	2.8
Heptachlor epoxide	4.861	4.762	4.962	49.360	50.000	-1.3
Methoxychlor	6.742	6.641	6.841	52.170	50.000	4.3
Tetrachloro-m-xylene	2.871	2.774	2.974	49.650	50.000	-0.7

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

Continuing Calib Date: 11/19/2025 **Initial Calibration Date(s):** 11/14/2025 11/14/2025

Continuing Calib Time: 18:40 **Initial Calibration Time(s):** 20:56 21:51

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	3.99	3.99	3.89	4.09	0.00
beta-BHC	4.51	4.51	4.41	4.61	0.00
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.32	4.32	4.22	4.42	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.06	6.07	5.97	6.17	0.01
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.01
Endrin	6.56	6.57	6.47	6.67	0.01
Endosulfan II	6.78	6.78	6.68	6.88	0.00
4,4'-DDD	6.70	6.70	6.60	6.80	0.00
Endosulfan sulfate	7.14	7.14	7.04	7.24	0.00
4,4'-DDT	7.01	7.01	6.91	7.11	0.00
Methoxychlor	7.48	7.49	7.39	7.59	0.01
Endrin ketone	7.62	7.62	7.52	7.72	0.00
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

Continuing Calib Date: 11/19/2025 **Initial Calibration Date(s):** 11/14/2025 11/14/2025

Continuing Calib Time: 18:40 **Initial Calibration Time(s):** 20:56 21:51

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.87	2.87	2.77	2.97	0.00
alpha-BHC	3.38	3.39	3.29	3.49	0.01
beta-BHC	4.02	4.02	3.92	4.12	0.01
delta-BHC	4.25	4.25	4.15	4.35	0.00
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.07	4.07	3.97	4.17	0.00
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.86	4.86	4.76	4.96	0.00
Endosulfan I	5.23	5.24	5.14	5.34	0.01
Dieldrin	5.50	5.50	5.40	5.60	0.00
4,4'-DDE	5.36	5.36	5.26	5.46	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.07	5.97	6.17	0.00
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.47	6.47	6.37	6.57	0.00
4,4'-DDT	6.17	6.17	6.07	6.27	0.00
Methoxychlor	6.74	6.74	6.64	6.84	0.00
Endrin ketone	6.98	6.98	6.88	7.08	0.00
Endrin aldehyde	6.25	6.25	6.15	6.35	0.01
alpha-Chlordane	5.18	5.18	5.08	5.28	0.00
gamma-Chlordane	5.11	5.11	5.01	5.21	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/14/2025 11/14/2025

Client Sample No.: CCAL03 **Date Analyzed:** 11/19/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD091287.D **Time Analyzed:** 18:40

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.696	6.599	6.799	47.400	50.000	-5.2
4,4'-DDE	6.185	6.089	6.289	49.020	50.000	-2.0
4,4'-DDT	7.011	6.914	7.114	45.410	50.000	-9.2
Aldrin	5.260	5.163	5.363	49.910	50.000	-0.2
alpha-BHC	3.991	3.893	4.093	51.290	50.000	2.6
alpha-Chlordane	6.016	5.919	6.119	46.580	50.000	-6.8
beta-BHC	4.509	4.411	4.611	49.050	50.000	-1.9
Decachlorobiphenyl	9.058	8.963	9.163	45.850	50.000	-8.3
delta-BHC	4.757	4.660	4.860	51.080	50.000	2.2
Dieldrin	6.336	6.239	6.439	49.260	50.000	-1.5
Endosulfan I	6.063	5.966	6.166	48.840	50.000	-2.3
Endosulfan II	6.775	6.679	6.879	47.600	50.000	-4.8
Endosulfan sulfate	7.140	7.043	7.243	46.220	50.000	-7.6
Endrin	6.563	6.466	6.666	52.600	50.000	5.2
Endrin aldehyde	6.905	6.808	7.008	47.120	50.000	-5.8
Endrin ketone	7.620	7.524	7.724	44.920	50.000	-10.2
gamma-BHC (Lindane)	4.321	4.224	4.424	50.760	50.000	1.5
gamma-Chlordane	5.935	5.838	6.038	50.120	50.000	0.2
Heptachlor	4.918	4.821	5.021	43.060	50.000	-13.9
Heptachlor epoxide	5.679	5.582	5.782	49.690	50.000	-0.6
Methoxychlor	7.484	7.387	7.587	40.550	50.000	-18.9
Tetrachloro-m-xylene	3.541	3.444	3.644	49.280	50.000	-1.4

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/14/2025 11/14/2025

Client Sample No.: CCAL03 **Date Analyzed:** 11/19/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD091287.D **Time Analyzed:** 18:40

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.916	5.817	6.017	46.580	50.000	-6.8
4,4'-DDE	5.359	5.263	5.463	50.570	50.000	1.1
4,4'-DDT	6.169	6.071	6.271	47.190	50.000	-5.6
Aldrin	4.356	4.258	4.458	52.190	50.000	4.4
alpha-BHC	3.383	3.286	3.486	50.530	50.000	1.1
alpha-Chlordane	5.177	5.079	5.279	50.730	50.000	1.5
beta-BHC	4.015	3.918	4.118	49.340	50.000	-1.3
Decachlorobiphenyl	8.055	7.958	8.158	45.000	50.000	-10.0
delta-BHC	4.251	4.153	4.353	50.440	50.000	0.9
Dieldrin	5.498	5.401	5.601	50.270	50.000	0.5
Endosulfan I	5.233	5.135	5.335	41.550	50.000	-16.9
Endosulfan II	6.067	5.969	6.169	49.210	50.000	-1.6
Endosulfan sulfate	6.468	6.371	6.571	47.980	50.000	-4.0
Endrin	5.775	5.678	5.878	52.990	50.000	6.0
Endrin aldehyde	6.245	6.148	6.348	47.600	50.000	-4.8
Endrin ketone	6.977	6.880	7.080	45.870	50.000	-8.3
gamma-BHC (Lindane)	3.719	3.621	3.821	50.140	50.000	0.3
gamma-Chlordane	5.112	5.014	5.214	51.550	50.000	3.1
Heptachlor	4.070	3.973	4.173	44.190	50.000	-11.6
Heptachlor epoxide	4.860	4.762	4.962	50.100	50.000	0.2
Methoxychlor	6.739	6.641	6.841	43.340	50.000	-13.3
Tetrachloro-m-xylene	2.872	2.774	2.974	50.050	50.000	0.1

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

Continuing Calib Date: 11/21/2025 **Initial Calibration Date(s):** 11/14/2025 11/14/2025

Continuing Calib Time: 09:59 **Initial Calibration Time(s):** 20:56 21:51

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.06	8.96	9.16	-0.01
Tetrachloro-m-xylene	3.55	3.54	3.44	3.64	-0.01
alpha-BHC	4.00	3.99	3.89	4.09	-0.01
beta-BHC	4.52	4.51	4.41	4.61	0.00
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.33	4.32	4.22	4.42	-0.01
Heptachlor	4.93	4.92	4.82	5.02	-0.01
Aldrin	5.27	5.26	5.16	5.36	-0.01
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.78	6.78	6.68	6.88	0.00
4,4'-DDD	6.70	6.70	6.60	6.80	0.00
Endosulfan sulfate	7.15	7.14	7.04	7.24	-0.01
4,4'-DDT	7.02	7.01	6.91	7.11	-0.01
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.62	7.52	7.72	-0.01
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

Continuing Calib Date: 11/21/2025 **Initial Calibration Date(s):** 11/14/2025 11/14/2025

Continuing Calib Time: 09:59 **Initial Calibration Time(s):** 20:56 21:51

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.87	2.87	2.77	2.97	0.00
alpha-BHC	3.38	3.39	3.29	3.49	0.01
beta-BHC	4.02	4.02	3.92	4.12	0.01
delta-BHC	4.25	4.25	4.15	4.35	0.00
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.07	4.07	3.97	4.17	0.00
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.86	4.86	4.76	4.96	0.00
Endosulfan I	5.23	5.24	5.14	5.34	0.01
Dieldrin	5.50	5.50	5.40	5.60	0.00
4,4'-DDE	5.36	5.36	5.26	5.46	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.07	5.97	6.17	0.00
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.47	6.47	6.37	6.57	0.00
4,4'-DDT	6.17	6.17	6.07	6.27	0.00
Methoxychlor	6.74	6.74	6.64	6.84	0.00
Endrin ketone	6.98	6.98	6.88	7.08	0.00
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.18	5.18	5.08	5.28	0.00
gamma-Chlordane	5.11	5.11	5.01	5.21	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/14/2025 11/14/2025

Client Sample No.: CCAL04 **Date Analyzed:** 11/21/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD091330.D **Time Analyzed:** 09:59

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.703	6.599	6.799	46.950	50.000	-6.1
4,4'-DDE	6.192	6.089	6.289	45.660	50.000	-8.7
4,4'-DDT	7.018	6.914	7.114	51.500	50.000	3.0
Aldrin	5.266	5.163	5.363	46.580	50.000	-6.8
alpha-BHC	3.996	3.893	4.093	47.740	50.000	-4.5
alpha-Chlordane	6.022	5.919	6.119	43.730	50.000	-12.5
beta-BHC	4.515	4.411	4.611	45.540	50.000	-8.9
Decachlorobiphenyl	9.067	8.963	9.163	44.580	50.000	-10.8
delta-BHC	4.763	4.660	4.860	46.810	50.000	-6.4
Dieldrin	6.343	6.239	6.439	46.540	50.000	-6.9
Endosulfan I	6.070	5.966	6.166	46.000	50.000	-8.0
Endosulfan II	6.783	6.679	6.879	47.840	50.000	-4.3
Endosulfan sulfate	7.147	7.043	7.243	45.010	50.000	-10.0
Endrin	6.570	6.466	6.666	49.740	50.000	-0.5
Endrin aldehyde	6.912	6.808	7.008	45.750	50.000	-8.5
Endrin ketone	7.627	7.524	7.724	45.390	50.000	-9.2
gamma-BHC (Lindane)	4.327	4.224	4.424	47.550	50.000	-4.9
gamma-Chlordane	5.942	5.838	6.038	46.700	50.000	-6.6
Heptachlor	4.925	4.821	5.021	47.780	50.000	-4.4
Heptachlor epoxide	5.686	5.582	5.782	45.660	50.000	-8.7
Methoxychlor	7.490	7.387	7.587	49.380	50.000	-1.2
Tetrachloro-m-xylene	3.547	3.444	3.644	46.760	50.000	-6.5

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/14/2025 11/14/2025

Client Sample No.: CCAL04 **Date Analyzed:** 11/21/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD091330.D **Time Analyzed:** 09:59

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.916	5.817	6.017	47.560	50.000	-4.9
4,4'-DDE	5.361	5.263	5.463	52.100	50.000	4.2
4,4'-DDT	6.170	6.071	6.271	57.520	50.000	15.0
Aldrin	4.355	4.258	4.458	51.390	50.000	2.8
alpha-BHC	3.382	3.286	3.486	49.980	50.000	0.0
alpha-Chlordane	5.177	5.079	5.279	51.010	50.000	2.0
beta-BHC	4.015	3.918	4.118	48.850	50.000	-2.3
Decachlorobiphenyl	8.057	7.958	8.158	53.570	50.000	7.1
delta-BHC	4.251	4.153	4.353	50.060	50.000	0.1
Dieldrin	5.499	5.401	5.601	50.690	50.000	1.4
Endosulfan I	5.233	5.135	5.335	46.120	50.000	-7.8
Endosulfan II	6.068	5.969	6.169	50.500	50.000	1.0
Endosulfan sulfate	6.470	6.371	6.571	51.030	50.000	2.1
Endrin	5.776	5.678	5.878	54.950	50.000	9.9
Endrin aldehyde	6.246	6.148	6.348	50.390	50.000	0.8
Endrin ketone	6.979	6.880	7.080	50.620	50.000	1.2
gamma-BHC (Lindane)	3.718	3.621	3.821	50.120	50.000	0.2
gamma-Chlordane	5.112	5.014	5.214	51.320	50.000	2.6
Heptachlor	4.070	3.973	4.173	50.340	50.000	0.7
Heptachlor epoxide	4.859	4.762	4.962	50.450	50.000	0.9
Methoxychlor	6.741	6.641	6.841	55.330	50.000	10.7
Tetrachloro-m-xylene	2.870	2.774	2.974	50.920	50.000	1.8

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

Continuing Calib Date: 11/21/2025 **Initial Calibration Date(s):** 11/14/2025 11/14/2025

Continuing Calib Time: 15:02 **Initial Calibration Time(s):** 20:56 21:51

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	3.99	3.99	3.89	4.09	0.00
beta-BHC	4.51	4.51	4.41	4.61	0.00
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.32	4.32	4.22	4.42	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.56	6.57	6.47	6.67	0.01
Endosulfan II	6.78	6.78	6.68	6.88	0.00
4,4'-DDD	6.70	6.70	6.60	6.80	0.00
Endosulfan sulfate	7.14	7.14	7.04	7.24	0.00
4,4'-DDT	7.01	7.01	6.91	7.11	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.62	7.62	7.52	7.72	0.00
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

Continuing Calib Date: 11/21/2025 **Initial Calibration Date(s):** 11/14/2025 11/14/2025

Continuing Calib Time: 15:02 **Initial Calibration Time(s):** 20:56 21:51

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.87	2.87	2.77	2.97	0.00
alpha-BHC	3.38	3.39	3.29	3.49	0.01
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.25	4.25	4.15	4.35	0.00
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.07	4.07	3.97	4.17	0.00
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.86	4.86	4.76	4.96	0.00
Endosulfan I	5.23	5.24	5.14	5.34	0.01
Dieldrin	5.50	5.50	5.40	5.60	0.00
4,4'-DDE	5.36	5.36	5.26	5.46	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.07	5.97	6.17	0.00
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.47	6.47	6.37	6.57	0.00
4,4'-DDT	6.17	6.17	6.07	6.27	0.00
Methoxychlor	6.74	6.74	6.64	6.84	0.00
Endrin ketone	6.98	6.98	6.88	7.08	0.00
Endrin aldehyde	6.25	6.25	6.15	6.35	0.01
alpha-Chlordane	5.18	5.18	5.08	5.28	0.00
gamma-Chlordane	5.11	5.11	5.01	5.21	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/14/2025 11/14/2025

Client Sample No.: CCAL05 **Date Analyzed:** 11/21/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD091346.D **Time Analyzed:** 15:02

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.697	6.599	6.799	44.820	50.000	-10.4
4,4'-DDE	6.187	6.089	6.289	45.120	50.000	-9.8
4,4'-DDT	7.012	6.914	7.114	46.980	50.000	-6.0
Aldrin	5.261	5.163	5.363	47.090	50.000	-5.8
alpha-BHC	3.991	3.893	4.093	49.170	50.000	-1.7
alpha-Chlordane	6.017	5.919	6.119	43.570	50.000	-12.9
beta-BHC	4.510	4.411	4.611	46.650	50.000	-6.7
Decachlorobiphenyl	9.060	8.963	9.163	44.030	50.000	-11.9
delta-BHC	4.757	4.660	4.860	47.890	50.000	-4.2
Dieldrin	6.337	6.239	6.439	45.950	50.000	-8.1
Endosulfan I	6.065	5.966	6.166	45.640	50.000	-8.7
Endosulfan II	6.778	6.679	6.879	46.130	50.000	-7.7
Endosulfan sulfate	7.141	7.043	7.243	43.990	50.000	-12.0
Endrin	6.564	6.466	6.666	48.220	50.000	-3.6
Endrin aldehyde	6.907	6.808	7.008	44.300	50.000	-11.4
Endrin ketone	7.622	7.524	7.724	44.590	50.000	-10.8
gamma-BHC (Lindane)	4.322	4.224	4.424	48.670	50.000	-2.7
gamma-Chlordane	5.936	5.838	6.038	46.560	50.000	-6.9
Heptachlor	4.920	4.821	5.021	47.020	50.000	-6.0
Heptachlor epoxide	5.681	5.582	5.782	46.060	50.000	-7.9
Methoxychlor	7.485	7.387	7.587	45.250	50.000	-9.5
Tetrachloro-m-xylene	3.542	3.444	3.644	48.720	50.000	-2.6

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/14/2025 11/14/2025

Client Sample No.: CCAL05 **Date Analyzed:** 11/21/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD091346.D **Time Analyzed:** 15:02

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.916	5.817	6.017	46.710	50.000	-6.6
4,4'-DDE	5.361	5.263	5.463	51.760	50.000	3.5
4,4'-DDT	6.169	6.071	6.271	51.010	50.000	2.0
Aldrin	4.356	4.258	4.458	51.780	50.000	3.6
alpha-BHC	3.383	3.286	3.486	50.870	50.000	1.7
alpha-Chlordane	5.177	5.079	5.279	50.680	50.000	1.4
beta-BHC	4.016	3.918	4.118	49.500	50.000	-1.0
Decachlorobiphenyl	8.057	7.958	8.158	46.720	50.000	-6.6
delta-BHC	4.252	4.153	4.353	50.400	50.000	0.8
Dieldrin	5.499	5.401	5.601	49.980	50.000	0.0
Endosulfan I	5.233	5.135	5.335	45.700	50.000	-8.6
Endosulfan II	6.068	5.969	6.169	48.430	50.000	-3.1
Endosulfan sulfate	6.469	6.371	6.571	47.930	50.000	-4.1
Endrin	5.776	5.678	5.878	52.950	50.000	5.9
Endrin aldehyde	6.245	6.148	6.348	47.330	50.000	-5.3
Endrin ketone	6.978	6.880	7.080	47.250	50.000	-5.5
gamma-BHC (Lindane)	3.720	3.621	3.821	50.920	50.000	1.8
gamma-Chlordane	5.112	5.014	5.214	51.090	50.000	2.2
Heptachlor	4.071	3.973	4.173	50.530	50.000	1.1
Heptachlor epoxide	4.859	4.762	4.962	50.040	50.000	0.1
Methoxychlor	6.740	6.641	6.841	48.840	50.000	-2.3
Tetrachloro-m-xylene	2.872	2.774	2.974	51.680	50.000	3.4

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/14/2025 11/14/2025

Client Sample No. (PEM): PEM - PD091194.D **Date Analyzed:** 11/14/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 20:15

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.064	8.960	9.160	20.170	20.000	0.9
Tetrachloro-m-xylene	3.544	3.490	3.590	19.500	20.000	-2.5
alpha-BHC	3.993	3.940	4.040	8.250	10.000	-17.5
beta-BHC	4.511	4.460	4.560	9.240	10.000	-7.6
gamma-BHC (Lindane)	4.324	4.270	4.370	8.450	10.000	-15.5
Endrin	6.567	6.500	6.640	44.390	50.000	-11.2
4,4'-DDT	7.015	6.940	7.090	88.290	100.000	-11.7
Methoxychlor	7.487	7.420	7.560	207.040	250.000	-17.2

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/14/2025 11/14/2025

Client Sample No. (PEM): PEM - PD091194.D **Date Analyzed:** 11/14/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 20:15

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.059	7.960	8.160	19.620	20.000	-1.9
Tetrachloro-m-xylene	2.874	2.820	2.920	19.370	20.000	-3.2
alpha-BHC	3.385	3.330	3.440	9.380	10.000	-6.2
beta-BHC	4.018	3.970	4.070	9.530	10.000	-4.7
gamma-BHC (Lindane)	3.721	3.670	3.770	9.460	10.000	-5.4
Endrin	5.779	5.710	5.850	45.450	50.000	-9.1
4,4'-DDT	6.172	6.100	6.240	89.340	100.000	-10.7
Methoxychlor	6.742	6.670	6.810	186.630	250.000	-25.3

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/14/2025 11/14/2025

Client Sample No. (PEM): PEM - PD091265.D **Date Analyzed:** 11/19/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:19

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.059	8.960	9.160	17.850	20.000	-10.8
Tetrachloro-m-xylene	3.541	3.490	3.590	18.480	20.000	-7.6
alpha-BHC	3.990	3.940	4.040	7.760	10.000	-22.4
beta-BHC	4.509	4.460	4.560	9.000	10.000	-10.0
gamma-BHC (Lindane)	4.321	4.270	4.370	8.120	10.000	-18.8
Endrin	6.564	6.490	6.630	45.570	50.000	-8.9
4,4'-DDT	7.012	6.940	7.080	94.380	100.000	-5.6
Methoxychlor	7.485	7.410	7.560	217.780	250.000	-12.9

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/14/2025 11/14/2025

Client Sample No. (PEM): PEM - PD091265.D **Date Analyzed:** 11/19/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:19

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.054	7.950	8.150	20.630	20.000	3.2
Tetrachloro-m-xylene	2.871	2.820	2.920	19.510	20.000	-2.5
alpha-BHC	3.382	3.330	3.430	9.470	10.000	-5.3
beta-BHC	4.015	3.960	4.070	9.800	10.000	-2.0
gamma-BHC (Lindane)	3.718	3.670	3.770	9.630	10.000	-3.7
Endrin	5.774	5.700	5.840	48.970	50.000	-2.1
4,4'-DDT	6.168	6.100	6.240	104.260	100.000	4.3
Methoxychlor	6.738	6.670	6.810	207.550	250.000	-17.0

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/14/2025 11/14/2025

Client Sample No. (PEM): PEM - PD091329.D **Date Analyzed:** 11/21/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:25

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.061	8.960	9.160	20.200	20.000	1.0
Tetrachloro-m-xylene	3.542	3.490	3.590	19.870	20.000	-0.7
alpha-BHC	3.991	3.940	4.040	8.450	10.000	-15.5
beta-BHC	4.509	4.460	4.560	9.670	10.000	-3.3
gamma-BHC (Lindane)	4.322	4.270	4.370	8.700	10.000	-13.0
Endrin	6.564	6.490	6.630	48.110	50.000	-3.8
4,4'-DDT	7.012	6.940	7.080	96.830	100.000	-3.2
Methoxychlor	7.485	7.410	7.560	223.950	250.000	-10.4

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/14/2025 11/14/2025

Client Sample No. (PEM): PEM - PD091329.D **Date Analyzed:** 11/21/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:25

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.055	7.950	8.160	23.100	20.000	15.5
Tetrachloro-m-xylene	2.871	2.820	2.920	21.540	20.000	7.7
alpha-BHC	3.382	3.330	3.430	10.420	10.000	4.2
beta-BHC	4.015	3.960	4.070	10.650	10.000	6.5
gamma-BHC (Lindane)	3.718	3.670	3.770	10.590	10.000	5.9
Endrin	5.775	5.700	5.850	52.460	50.000	4.9
4,4'-DDT	6.169	6.100	6.240	108.340	100.000	8.3
Methoxychlor	6.739	6.670	6.810	216.520	250.000	-13.4

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Analytical Sequence

Client: HDR, Inc. **SDG No.:** Q3662

Project: PVWC Linear Construction **Instrument ID:** ECD_D

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 11/14/2025 11/14/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	11/14/2025	20:01	PD091193.D	9.06	3.54
PEM	PEM	11/14/2025	20:15	PD091194.D	9.06	3.54
RESCHK	RESCHK	11/14/2025	20:43	PD091195.D	9.06	3.54
PSTDICC100	PSTDICC100	11/14/2025	20:56	PD091196.D	9.06	3.54
PSTDICC075	PSTDICC075	11/14/2025	21:10	PD091197.D	9.06	3.54
PSTDICC050	PSTDICC050	11/14/2025	21:24	PD091198.D	9.06	3.54
PSTDICC025	PSTDICC025	11/14/2025	21:37	PD091199.D	9.07	3.54
PSTDICC005	PSTDICC005	11/14/2025	21:51	PD091200.D	9.06	3.54
PCHLORICC500	PCHLORICC500	11/14/2025	22:32	PD091203.D	9.06	3.54
PTOXICC500	PTOXICC500	11/14/2025	23:40	PD091208.D	9.06	3.54
I.BLK	I.BLK	11/19/2025	09:05	PD091264.D	9.06	3.54
PEM	PEM	11/19/2025	09:19	PD091265.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/19/2025	12:24	PD091266.D	9.07	3.55
PB170628BL	PB170628BL	11/19/2025	14:07	PD091270.D	9.06	3.54
I.BLK	I.BLK	11/19/2025	15:16	PD091275.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/19/2025	15:55	PD091276.D	9.07	3.55
B3-0.0-1.0-20251117	Q3662-02	11/19/2025	16:24	PD091278.D	9.06	3.54
B3-0.0-1.0-20251117MS	Q3662-02MS	11/19/2025	16:37	PD091279.D	9.06	3.54
B3-0.0-1.0-20251117MSD	Q3662-02MSD	11/19/2025	16:51	PD091280.D	9.06	3.54
B1-0.0-1.0-20251117	Q3662-04	11/19/2025	17:05	PD091281.D	9.06	3.54
I.BLK	I.BLK	11/19/2025	17:59	PD091285.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/19/2025	18:40	PD091287.D	9.06	3.54
I.BLK	I.BLK	11/21/2025	09:11	PD091328.D	9.07	3.55
PEM	PEM	11/21/2025	09:25	PD091329.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/21/2025	09:59	PD091330.D	9.07	3.55
PB170628BS	PB170628BS	11/21/2025	11:38	PD091334.D	9.06	3.54
I.BLK	I.BLK	11/21/2025	14:48	PD091345.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/21/2025	15:02	PD091346.D	9.06	3.54

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Analytical Sequence

Client: HDR, Inc. **SDG No.:** Q3662

Project: PVWC Linear Construction **Instrument ID:** ECD_D

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 11/14/2025 11/14/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	11/14/2025	20:01	PD091193.D	8.06	2.88
PEM	PEM	11/14/2025	20:15	PD091194.D	8.06	2.87
RESCHK	RESCHK	11/14/2025	20:43	PD091195.D	8.06	2.87
PSTDICC100	PSTDICC100	11/14/2025	20:56	PD091196.D	8.06	2.87
PSTDICC075	PSTDICC075	11/14/2025	21:10	PD091197.D	8.06	2.87
PSTDICC050	PSTDICC050	11/14/2025	21:24	PD091198.D	8.06	2.87
PSTDICC025	PSTDICC025	11/14/2025	21:37	PD091199.D	8.06	2.87
PSTDICC005	PSTDICC005	11/14/2025	21:51	PD091200.D	8.06	2.87
PCHLORICC500	PCHLORICC500	11/14/2025	22:32	PD091203.D	8.06	2.87
PTOXICC500	PTOXICC500	11/14/2025	23:40	PD091208.D	8.06	2.87
I.BLK	I.BLK	11/19/2025	09:05	PD091264.D	8.06	2.87
PEM	PEM	11/19/2025	09:19	PD091265.D	8.05	2.87
PSTDCCC050	PSTDCCC050	11/19/2025	12:24	PD091266.D	8.06	2.87
PB170628BL	PB170628BL	11/19/2025	14:07	PD091270.D	8.06	2.87
I.BLK	I.BLK	11/19/2025	15:16	PD091275.D	8.06	2.87
PSTDCCC050	PSTDCCC050	11/19/2025	15:55	PD091276.D	8.06	2.87
B3-0.0-1.0-20251117	Q3662-02	11/19/2025	16:24	PD091278.D	8.06	2.87
B3-0.0-1.0-20251117MS	Q3662-02MS	11/19/2025	16:37	PD091279.D	8.06	2.87
B3-0.0-1.0-20251117MSD	Q3662-02MSD	11/19/2025	16:51	PD091280.D	8.05	2.87
B1-0.0-1.0-20251117	Q3662-04	11/19/2025	17:05	PD091281.D	8.06	2.87
I.BLK	I.BLK	11/19/2025	17:59	PD091285.D	8.06	2.87
PSTDCCC050	PSTDCCC050	11/19/2025	18:40	PD091287.D	8.06	2.87
I.BLK	I.BLK	11/21/2025	09:11	PD091328.D	8.06	2.87
PEM	PEM	11/21/2025	09:25	PD091329.D	8.06	2.87
PSTDCCC050	PSTDCCC050	11/21/2025	09:59	PD091330.D	8.06	2.87
PB170628BS	PB170628BS	11/21/2025	11:38	PD091334.D	8.06	2.87
I.BLK	I.BLK	11/21/2025	14:48	PD091345.D	8.06	2.87
PSTDCCC050	PSTDCCC050	11/21/2025	15:02	PD091346.D	8.06	2.87

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

B1-0.0-1.0-20251117

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

Lab Sample ID: Q3662-04 **Date(s) Analyzed:** 11/19/2025 11/19/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
gamma-Chlordane	1	5.94	5.89	5.99	2.50	142.1
	2	5.11	5.06	5.16	0.42	
alpha-Chlordane	1	6.03	5.98	6.08	6.80	140
	2	5.18	5.13	5.23	1.20	
4,4'-DDE	1	6.19	6.14	6.24	0.34	41.7
	2	5.36	5.31	5.41	0.53	
4,4'-DDT	1	7.01	6.96	7.06	0.50	81.9
	2	6.17	6.12	6.22	1.20	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

B3-0.0-1.0-20251117

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

Lab Sample ID: Q3662-02 **Date(s) Analyzed:** 11/19/2025 11/19/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDT	1	7.01	6.96	7.06	0.21	116.2
	2	6.17	6.12	6.22	0.79	
4,4'-DDE	1	6.19	6.14	6.24	0.26	32.9
	2	5.36	5.31	5.41	0.36	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

B3-0.0-1.0-20251117MS

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

Lab Sample ID: Q3662-02MS **Date(s) Analyzed:** 11/19/2025 11/19/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.78	6.73	6.83	15.0	1.3
	2	6.07	6.02	6.12	15.2	
4,4'-DDD	1	6.70	6.65	6.75	14.4	11
	2	5.92	5.87	5.97	12.9	
4,4'-DDT	1	7.01	6.96	7.06	8.40	8
	2	6.17	6.12	6.22	9.10	
Endrin aldehyde	1	6.91	6.86	6.96	6.40	1.6
	2	6.25	6.20	6.30	6.30	
Endosulfan sulfate	1	7.14	7.09	7.19	11.8	4.3
	2	6.47	6.42	6.52	11.3	
Methoxychlor	1	7.49	7.44	7.54	8.20	5
	2	6.74	6.69	6.79	7.80	
Endrin ketone	1	7.62	7.57	7.67	9.40	6.6
	2	6.98	6.93	7.03	8.80	
alpha-BHC	1	3.99	3.94	4.04	16.3	2.4
	2	3.38	3.33	3.43	16.7	
gamma-BHC (Lindane)	1	4.32	4.27	4.37	15.7	0.6
	2	3.72	3.67	3.77	15.8	
Heptachlor	1	4.92	4.87	4.97	9.20	6.3
	2	4.07	4.02	4.12	9.80	
Aldrin	1	5.26	5.21	5.31	17.4	2.8
	2	4.36	4.31	4.41	17.9	
beta-BHC	1	4.51	4.46	4.56	17.2	2.9
	2	4.02	3.97	4.07	17.7	
delta-BHC	1	4.76	4.71	4.81	14.0	0
	2	4.25	4.20	4.30	14.0	
Heptachlor epoxide	1	5.68	5.63	5.73	17.1	1.7
	2	4.86	4.81	4.91	17.4	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

B3-0.0-1.0-20251117MS

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

Lab Sample ID: Q3662-02MS **Date(s) Analyzed:** 11/19/2025 11/19/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan I	1	6.06	6.01	6.11	15.2	3.3
	2	5.23	5.18	5.28	14.7	
gamma-Chlordane	1	5.93	5.88	5.98	17.9	13.5
	2	5.11	5.06	5.16	20.5	
alpha-Chlordane	1	6.02	5.97	6.07	18.0	0.6
	2	5.18	5.13	5.23	18.1	
4,4'-DDE	1	6.19	6.14	6.24	17.5	3.4
	2	5.36	5.31	5.41	18.1	
Dieldrin	1	6.34	6.29	6.39	16.7	6.4
	2	5.50	5.45	5.55	17.8	
Endrin	1	6.56	6.51	6.61	17.4	7.1
	2	5.78	5.73	5.83	16.2	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

B3-0.0-1.0-20251117MSD

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

Lab Sample ID: Q3662-02MSD **Date(s) Analyzed:** 11/19/2025 11/19/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.78	6.73	6.83	16.2	0.6
	2	6.07	6.02	6.12	16.3	
4,4'-DDD	1	6.70	6.65	6.75	15.5	10.2
	2	5.92	5.87	5.97	14.0	
4,4'-DDT	1	7.01	6.96	7.06	11.6	0.9
	2	6.17	6.12	6.22	11.5	
Endrin aldehyde	1	6.91	6.86	6.96	10.0	1
	2	6.25	6.20	6.30	9.90	
Endosulfan sulfate	1	7.14	7.09	7.19	14.2	4.3
	2	6.47	6.42	6.52	13.6	
Methoxychlor	1	7.48	7.43	7.53	10.2	7.1
	2	6.74	6.69	6.79	9.50	
Endrin ketone	1	7.62	7.57	7.67	13.4	12.7
	2	6.98	6.93	7.03	11.8	
alpha-BHC	1	3.99	3.94	4.04	17.6	1.7
	2	3.38	3.33	3.43	17.9	
gamma-BHC (Lindane)	1	4.32	4.27	4.37	17.2	0.6
	2	3.72	3.67	3.77	17.3	
Heptachlor	1	4.92	4.87	4.97	10.3	6.6
	2	4.07	4.02	4.12	11.0	
Aldrin	1	5.26	5.21	5.31	17.5	2.8
	2	4.36	4.31	4.41	18.0	
beta-BHC	1	4.51	4.46	4.56	17.2	4.5
	2	4.02	3.97	4.07	18.0	
delta-BHC	1	4.76	4.71	4.81	16.7	0
	2	4.25	4.20	4.30	16.7	
Heptachlor epoxide	1	5.68	5.63	5.73	16.9	4.1
	2	4.86	4.81	4.91	17.6	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

B3-0.0-1.0-20251117MSD

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

Lab Sample ID: Q3662-02MSD **Date(s) Analyzed:** 11/19/2025 11/19/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan I	1	6.06	6.01	6.11	16.4	3.1
	2	5.23	5.18	5.28	15.9	
gamma-Chlordane	1	5.93	5.88	5.98	17.5	14.3
	2	5.11	5.06	5.16	20.2	
alpha-Chlordane	1	6.02	5.97	6.07	17.6	2.8
	2	5.18	5.13	5.23	18.1	
4,4'-DDE	1	6.19	6.14	6.24	17.1	4
	2	5.36	5.31	5.41	17.8	
Dieldrin	1	6.34	6.29	6.39	16.9	4.6
	2	5.50	5.45	5.55	17.7	
Endrin	1	6.56	6.51	6.61	17.7	5.8
	2	5.78	5.73	5.83	16.7	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170628BS

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

Lab Sample ID: PB170628BS **Date(s) Analyzed:** 11/21/2025 11/21/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.78	6.73	6.83	14.9	9.6
	2	6.07	6.02	6.12	16.4	
4,4'-DDD	1	6.70	6.65	6.75	14.2	10
	2	5.92	5.87	5.97	15.7	
4,4'-DDT	1	7.01	6.96	7.06	16.1	13.9
	2	6.17	6.12	6.22	18.5	
Endrin aldehyde	1	6.91	6.86	6.96	15.3	11.7
	2	6.25	6.20	6.30	17.2	
Endosulfan sulfate	1	7.14	7.09	7.19	14.4	13
	2	6.47	6.42	6.52	16.4	
alpha-BHC	1	3.99	3.94	4.04	14.2	8.1
	2	3.38	3.33	3.43	15.4	
Aldrin	1	5.26	5.21	5.31	14.7	10.9
	2	4.36	4.31	4.41	16.4	
beta-BHC	1	4.51	4.46	4.56	14.1	10.7
	2	4.02	3.97	4.07	15.7	
delta-BHC	1	4.76	4.71	4.81	13.4	8.6
	2	4.25	4.20	4.30	14.6	
Endosulfan I	1	6.07	6.02	6.12	14.5	6.7
	2	5.23	5.18	5.28	15.5	
alpha-Chlordane	1	6.02	5.97	6.07	13.8	16.6
	2	5.18	5.13	5.23	16.3	
4,4'-DDE	1	6.19	6.14	6.24	14.3	13.7
	2	5.36	5.31	5.41	16.4	
Dieldrin	1	6.34	6.29	6.39	14.6	11.6
	2	5.50	5.45	5.55	16.4	
Endrin	1	6.56	6.51	6.61	15.6	14.8
	2	5.78	5.73	5.83	18.1	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170628BS

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

Lab Sample ID: PB170628BS **Date(s) Analyzed:** 11/21/2025 11/21/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Methoxychlor	1	7.49	7.44	7.54	16.2	12.2
	2	6.74	6.69	6.79	18.3	
Endrin ketone	1	7.62	7.57	7.67	14.7	20.2
	2	6.98	6.93	7.03	18.0	
gamma-BHC (Lindane)	1	4.32	4.27	4.37	14.5	7.9
	2	3.72	3.67	3.77	15.7	
Heptachlor	1	4.92	4.87	4.97	14.7	9.1
	2	4.07	4.02	4.12	16.1	
Heptachlor epoxide	1	5.68	5.63	5.73	14.6	10.4
	2	4.86	4.81	4.91	16.2	
gamma-Chlordane	1	5.94	5.89	5.99	14.5	12.3
	2	5.11	5.06	5.16	16.4	

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111925\
Data File : PD091278.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2025 16:24
Operator : AR\AJ
Sample : Q3662-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
B3-0.0-1.0-20251117

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 01:30:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD111525.M
Quant Title : GC Extractables
QLast Update : Sat Nov 15 04:46:13 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.542	2.871	55602506	625.6E6	16.123m	17.080
28)	SA Decachlor...	9.060	8.056	62597456	434.4E6	12.565m	10.978
	Target Compounds						
8)	B Heptachlo...	5.681	4.858	2712645	24647689	0.418	0.484m
12)	B 4,4'-DDE	6.187	5.360	3829327	49093467	0.660m	0.919m#
17)	MA 4,4'-DDT	7.012	6.166	2186367	78175974	0.529m	1.998 #

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

Sample Results: **PD091278.D**

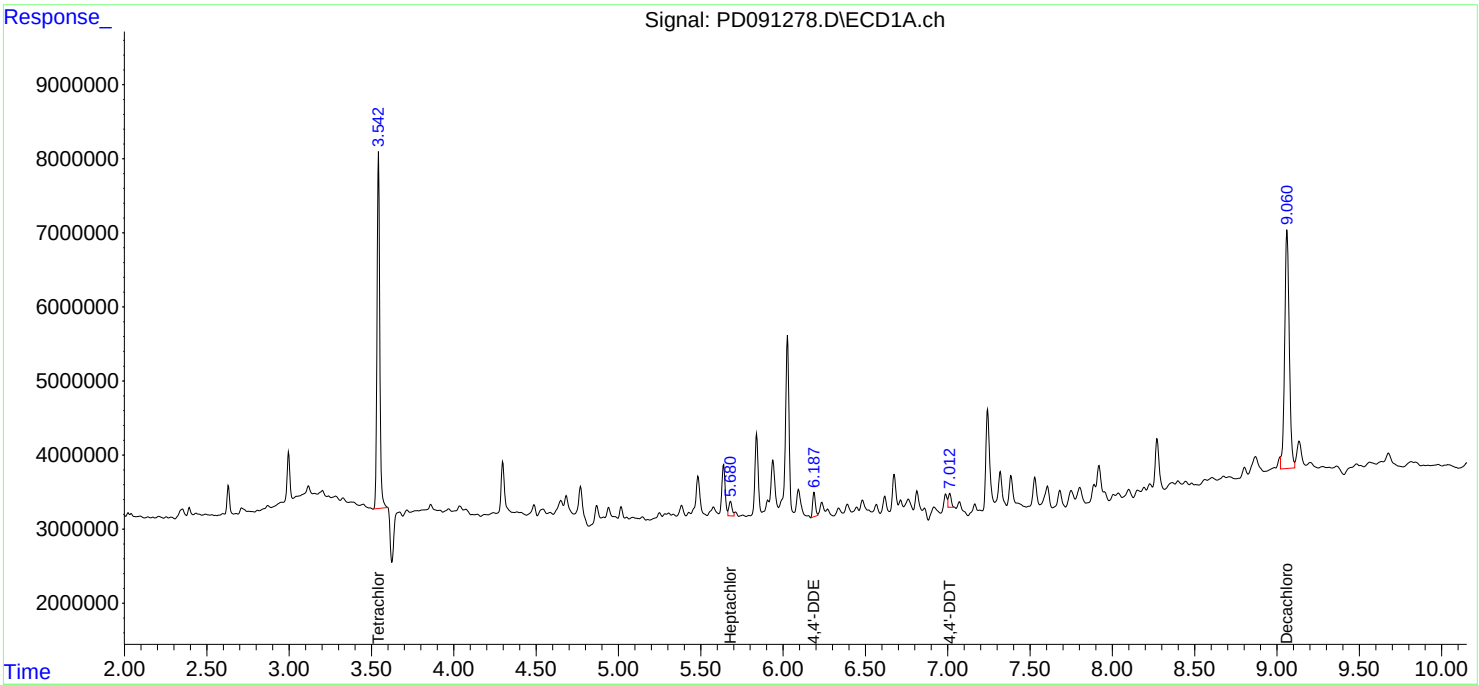
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111925\
Data File : PD091278.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2025 16:24
Operator : AR\AJ
Sample : Q3662-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

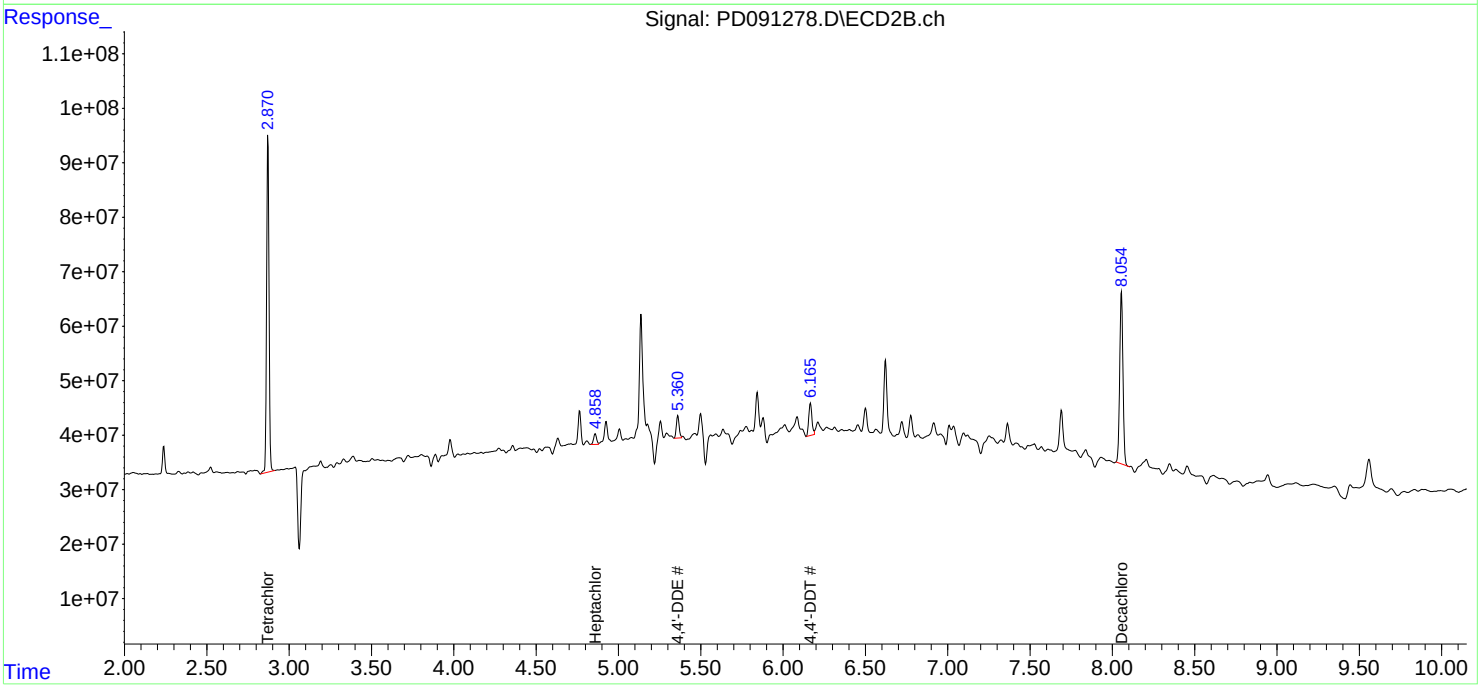
Instrument :
ECD_D
ClientSampleId :
B3-0.0-1.0-20251117

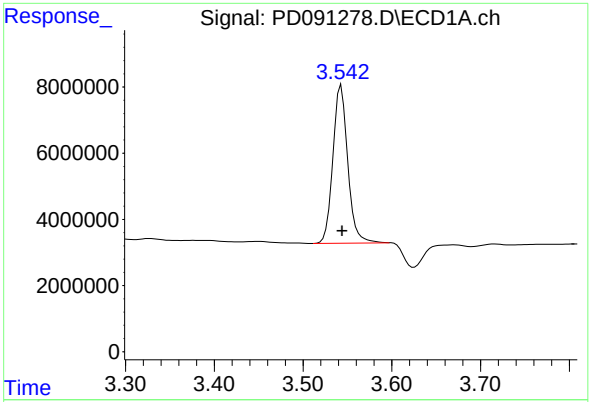
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 01:30:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD111525.M
Quant Title : GC Extractables
QLast Update : Sat Nov 15 04:46:13 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm







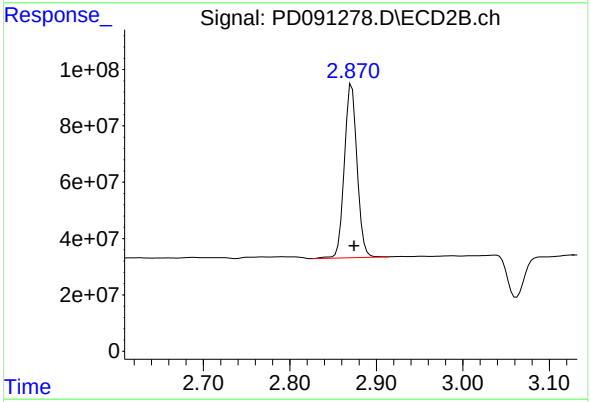
#1 Tetrachloro-m-xylene

R.T.: 3.542 min
Delta R.T.: -0.002 min
Response: 55602506
Conc: 16.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
B3-0.0-1.0-20251117

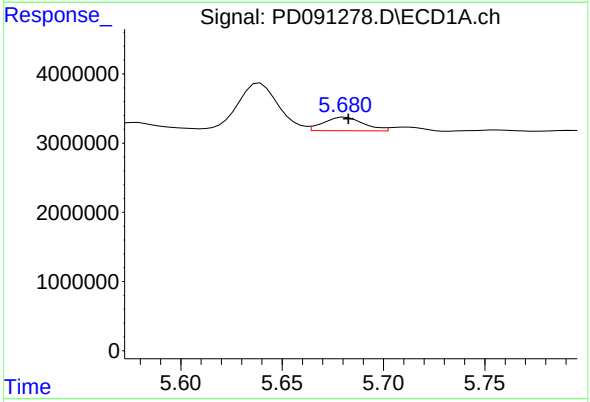
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025



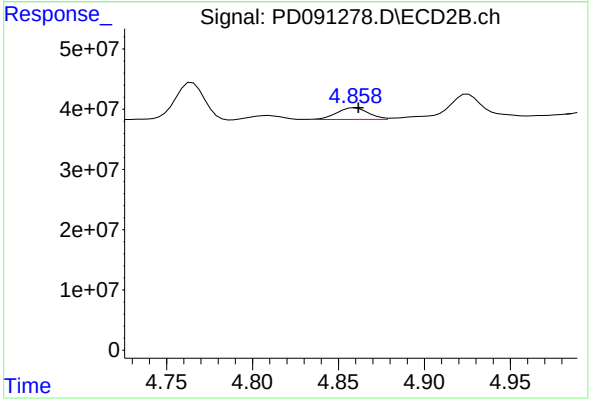
#1 Tetrachloro-m-xylene

R.T.: 2.871 min
Delta R.T.: -0.003 min
Response: 625627191
Conc: 17.08 ng/ml



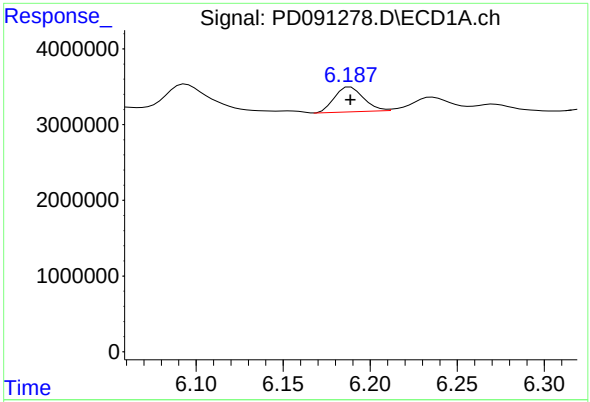
#8 Heptachlor epoxide

R.T.: 5.681 min
Delta R.T.: -0.001 min
Response: 2712645
Conc: 0.42 ng/ml



#8 Heptachlor epoxide

R.T.: 4.858 min
Delta R.T.: -0.003 min
Response: 24647689
Conc: 0.48 ng/ml m



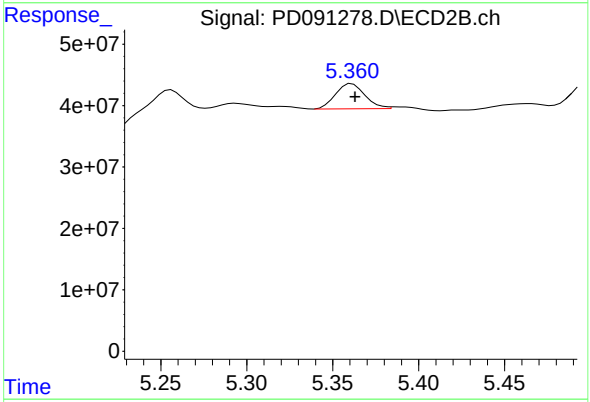
#12 4,4'-DDE

R.T.: 6.187 min
Delta R.T.: -0.001 min
Response: 3829327
Conc: 0.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
B3-0.0-1.0-20251117

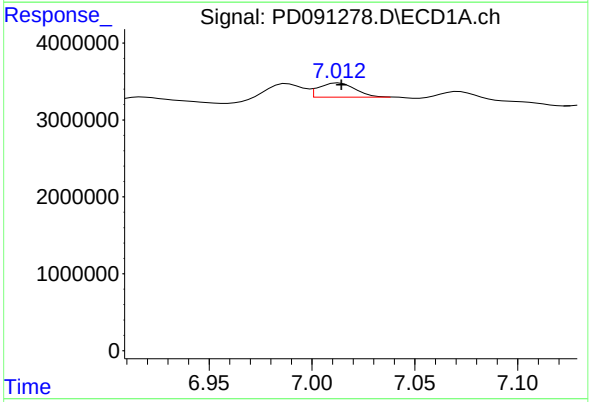
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025



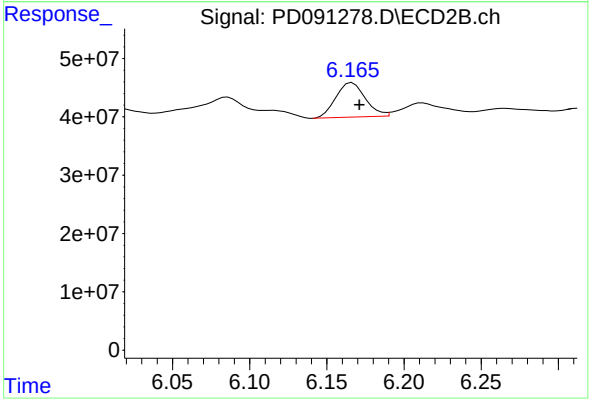
#12 4,4'-DDE

R.T.: 5.360 min
Delta R.T.: -0.003 min
Response: 49093467
Conc: 0.92 ng/ml m



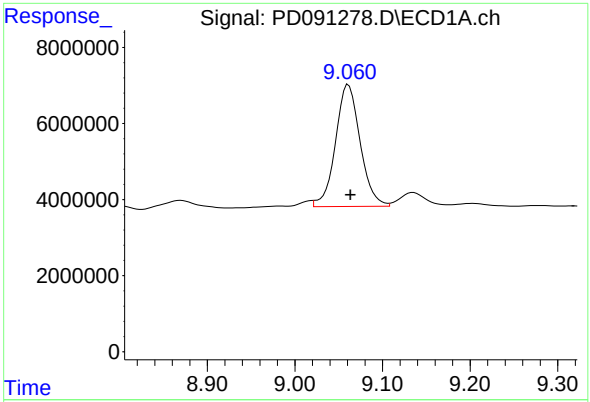
#17 4,4'-DDT

R.T.: 7.012 min
Delta R.T.: -0.002 min
Response: 2186367
Conc: 0.53 ng/ml m



#17 4,4'-DDT

R.T.: 6.166 min
Delta R.T.: -0.005 min
Response: 78175974
Conc: 2.00 ng/ml



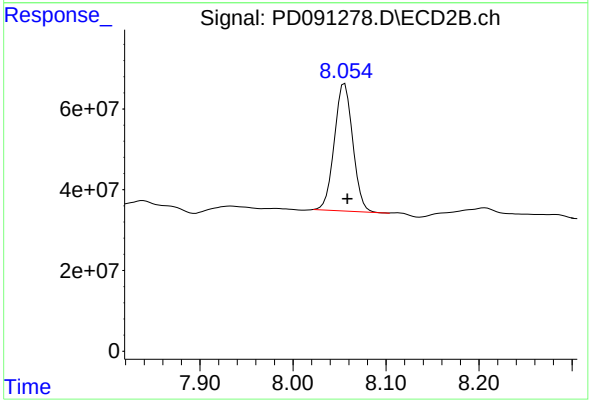
#28 Decachlorobiphenyl

R.T.: 9.060 min
Delta R.T.: -0.004 min
Response: 62597456
Conc: 12.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
B3-0.0-1.0-20251117

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025



#28 Decachlorobiphenyl

R.T.: 8.056 min
Delta R.T.: -0.003 min
Response: 434433998
Conc: 10.98 ng/ml

Sample Results: **PD091281.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111925\
Data File : PD091281.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2025 17:05
Operator : AR\AJ
Sample : Q3662-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
B1-0.0-1.0-20251117

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 01:31:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD111525.M
Quant Title : GC Extractables
QLast Update : Sat Nov 15 04:46:13 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.542	2.872	34335384	379.1E6	9.956	10.349
28)	SA Decachlor...	9.059	8.056	40284888	241.1E6	8.086	6.093
	Target Compounds						
10)	B gamma-Chl...	5.938	5.113	43300040	61206424	6.661	1.120m#
11)	B alpha-Chl...	6.025	5.175	124.3E6	168.4E6	18.062	3.218m#
12)	B 4,4'-DDE	6.187	5.361	5268953	74282946	0.909m	1.390 #
17)	MA 4,4'-DDT	7.010	6.166	5495018	127.6E6	1.329m	3.261 #

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

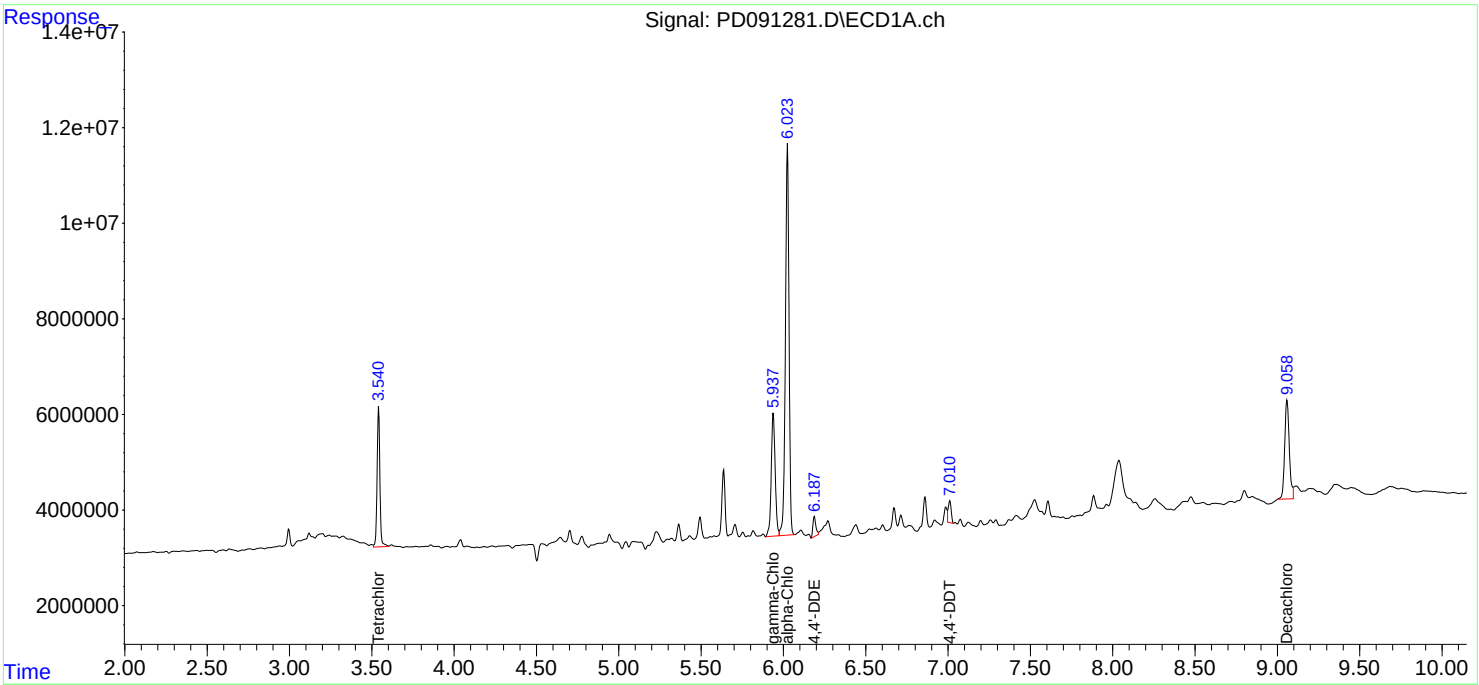
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111925\
Data File : PD091281.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2025 17:05
Operator : AR\AJ
Sample : Q3662-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

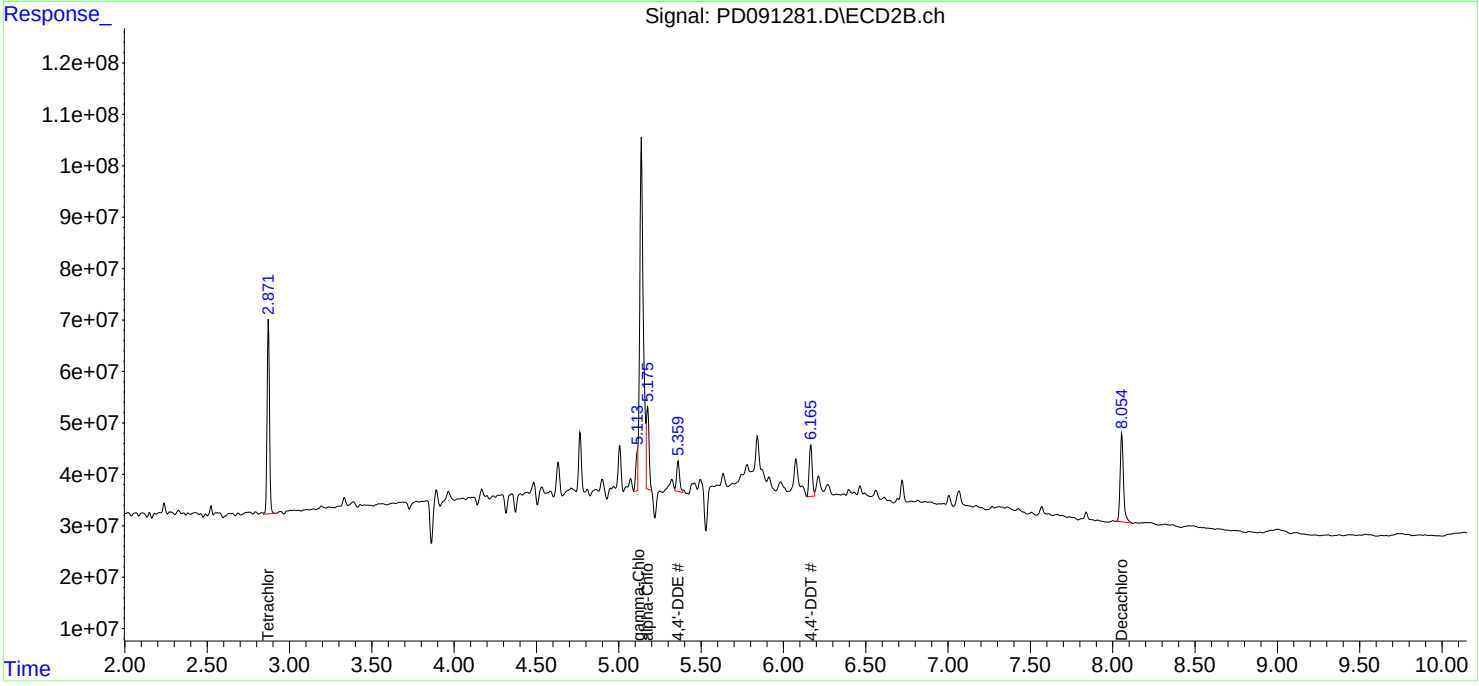
Instrument :
ECD_D
ClientSampleId :
B1-0.0-1.0-20251117

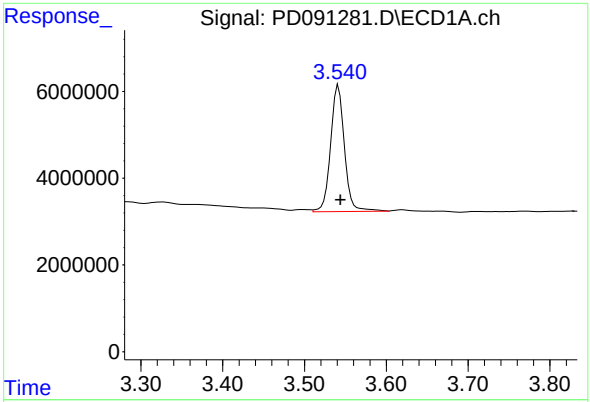
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 01:31:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD111525.M
Quant Title : GC Extractables
QLast Update : Sat Nov 15 04:46:13 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm







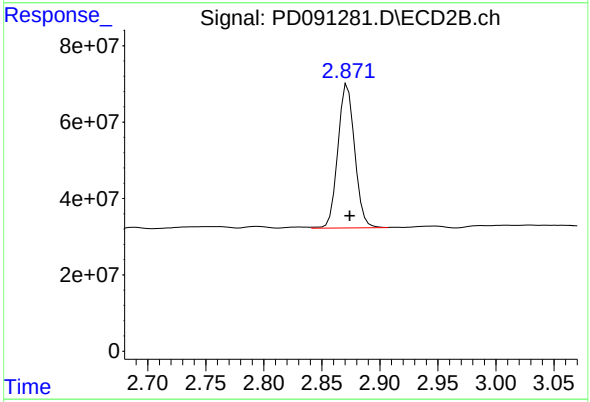
#1 Tetrachloro-m-xylene

R.T.: 3.542 min
Delta R.T.: -0.002 min
Response: 34335384
Conc: 9.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
B1-0.0-1.0-20251117

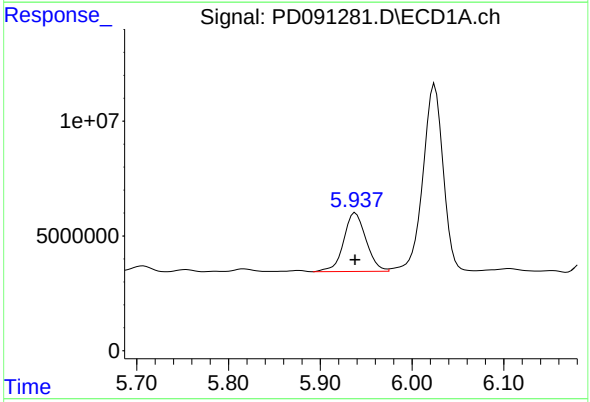
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025



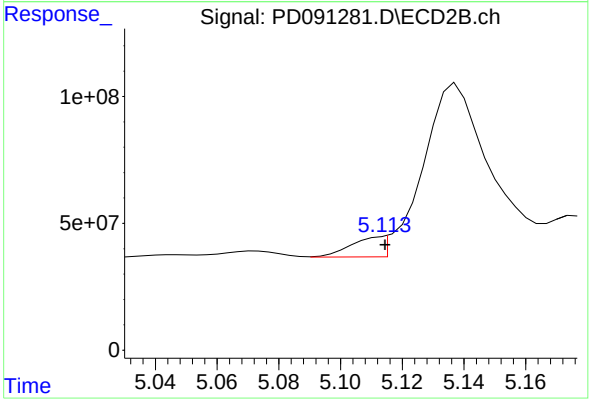
#1 Tetrachloro-m-xylene

R.T.: 2.872 min
Delta R.T.: -0.002 min
Response: 379072985
Conc: 10.35 ng/ml



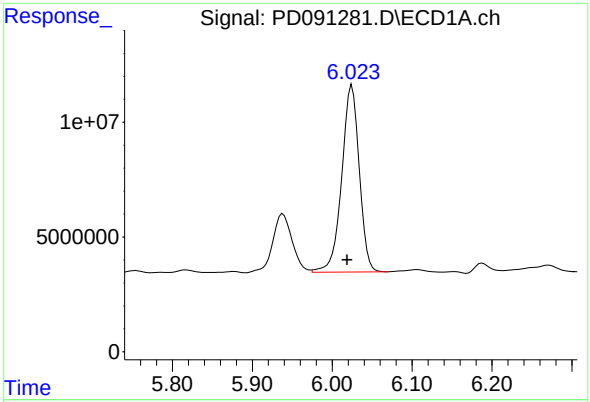
#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: 0.000 min
Response: 43300040
Conc: 6.66 ng/ml



#10 gamma-Chlordane

R.T.: 5.113 min
Delta R.T.: -0.001 min
Response: 61206424
Conc: 1.12 ng/ml m



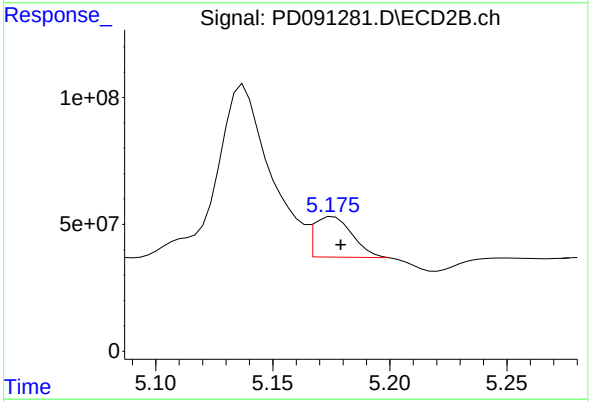
#11 alpha-Chlordane

R.T.: 6.025 min
Delta R.T.: 0.006 min
Response: 124314113
Conc: 18.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
B1-0.0-1.0-20251117

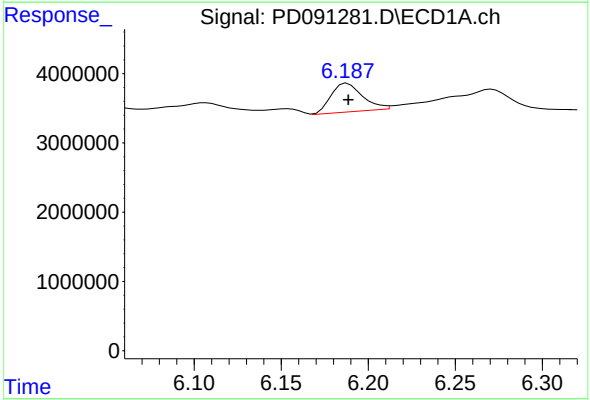
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025



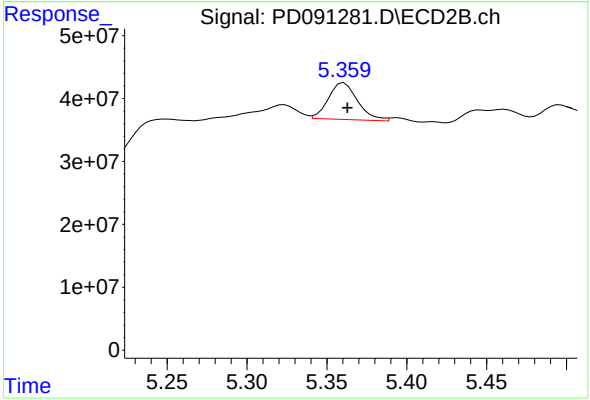
#11 alpha-Chlordane

R.T.: 5.175 min
Delta R.T.: -0.004 min
Response: 168428522
Conc: 3.22 ng/ml m



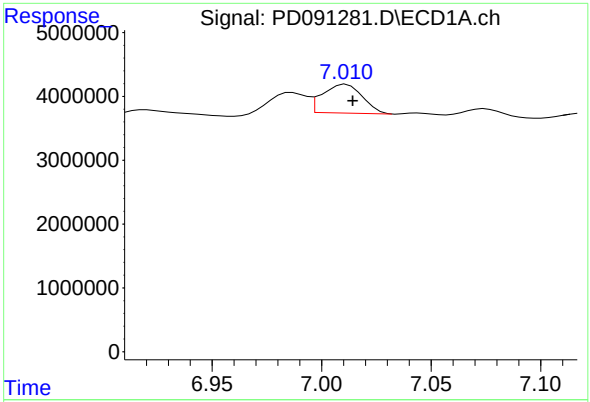
#12 4,4'-DDE

R.T.: 6.187 min
Delta R.T.: -0.002 min
Response: 5268953
Conc: 0.91 ng/ml m



#12 4,4'-DDE

R.T.: 5.361 min
Delta R.T.: -0.002 min
Response: 74282946
Conc: 1.39 ng/ml



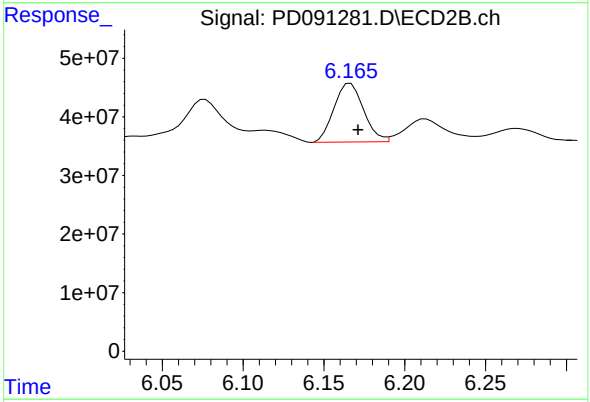
#17 4,4'-DDT

R.T.: 7.010 min
Delta R.T.: -0.004 min
Response: 5495018
Conc: 1.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
B1-0.0-1.0-20251117

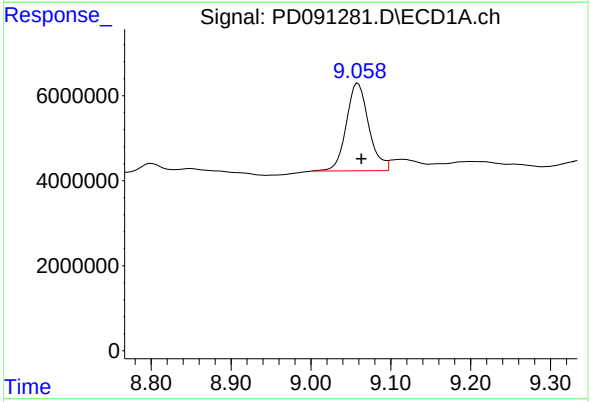
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025



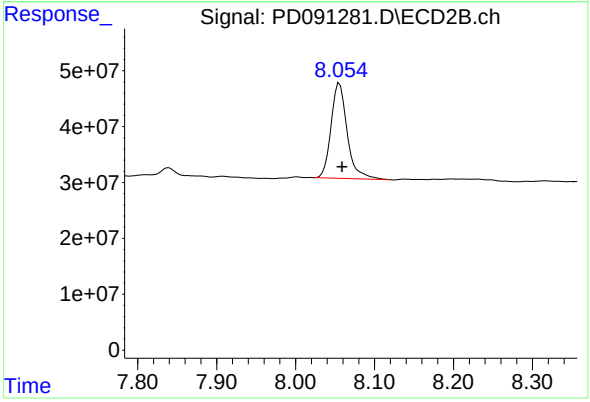
#17 4,4'-DDT

R.T.: 6.166 min
Delta R.T.: -0.005 min
Response: 127594622
Conc: 3.26 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.059 min
Delta R.T.: -0.004 min
Response: 40284888
Conc: 8.09 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.056 min
Delta R.T.: -0.003 min
Response: 241116794
Conc: 6.09 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111925\
Data File : PD091270.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2025 14:07
Operator : AR\AJ
Sample : PB170628BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB170628BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 01:29:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD111525.M
Quant Title : GC Extractables
QLast Update : Sat Nov 15 04:46:13 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.542	2.872	59182749	672.4E6	17.161	18.356
28)	SA Decachlor...	9.059	8.056	88790088	765.1E6	17.823	19.333
	Target Compounds						

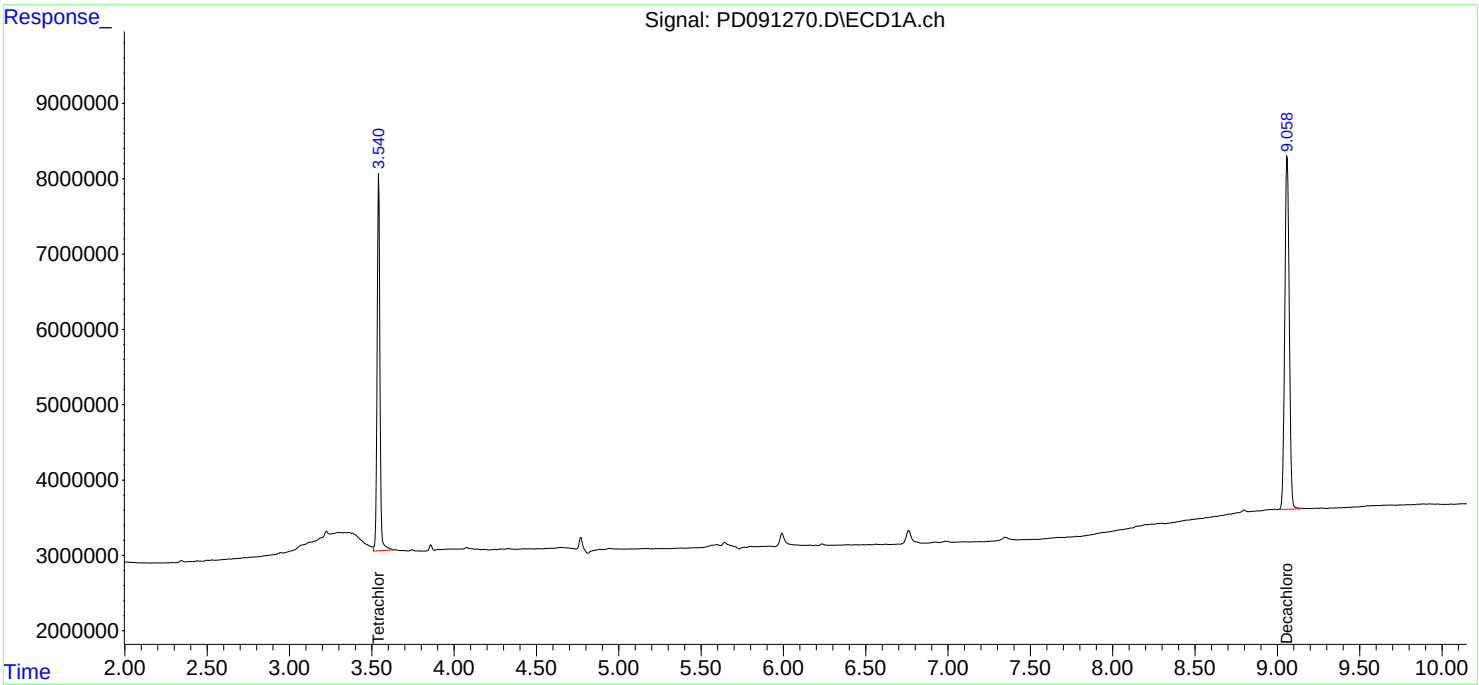
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

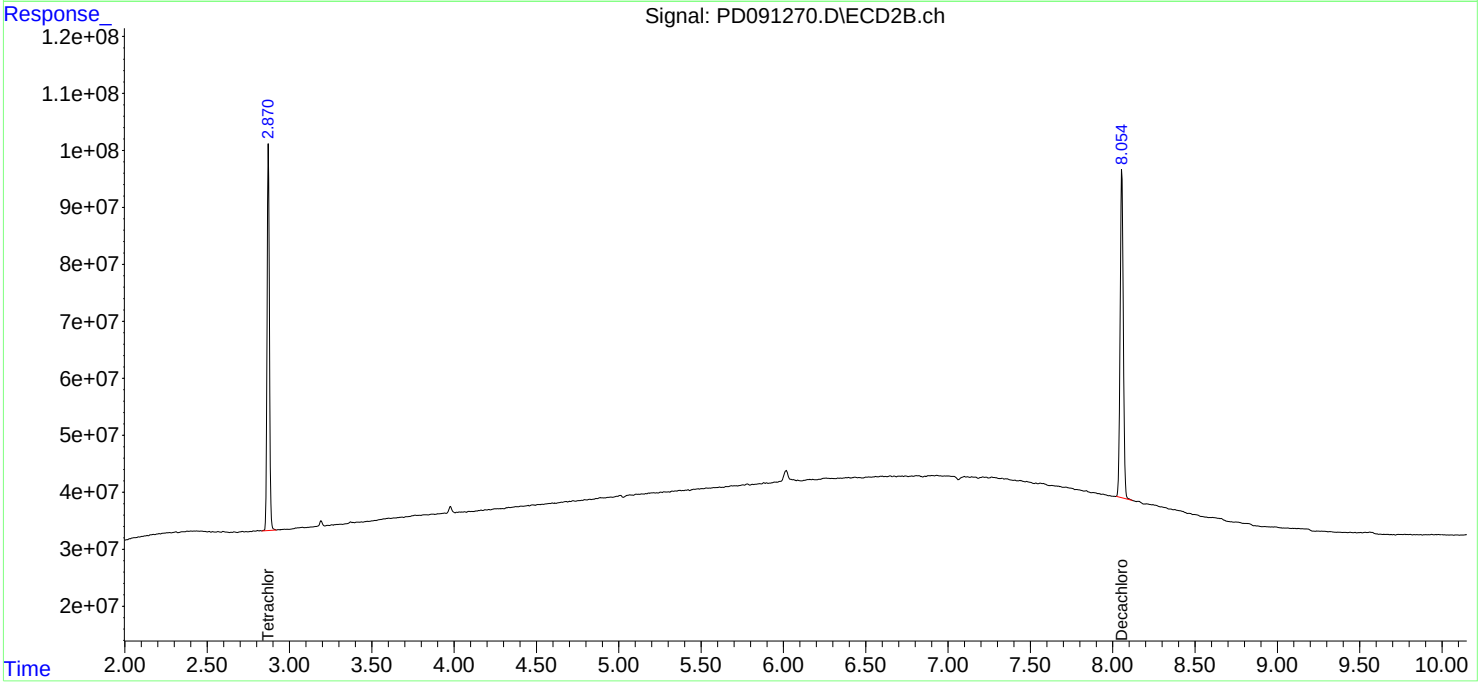
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111925\
Data File : PD091270.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2025 14:07
Operator : AR\AJ
Sample : PB170628BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

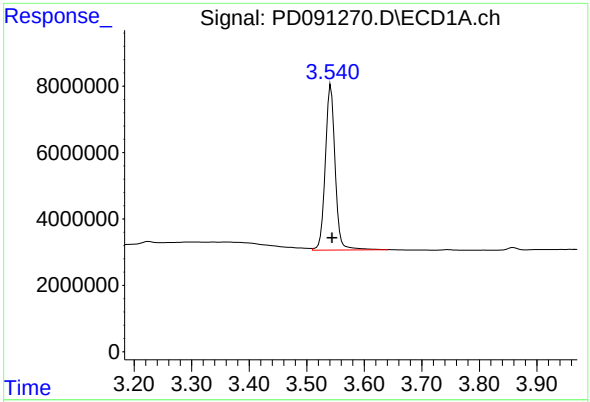
Instrument :
ECD_D
ClientSampleId :
PB170628BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 01:29:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD111525.M
Quant Title : GC Extractables
QLast Update : Sat Nov 15 04:46:13 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



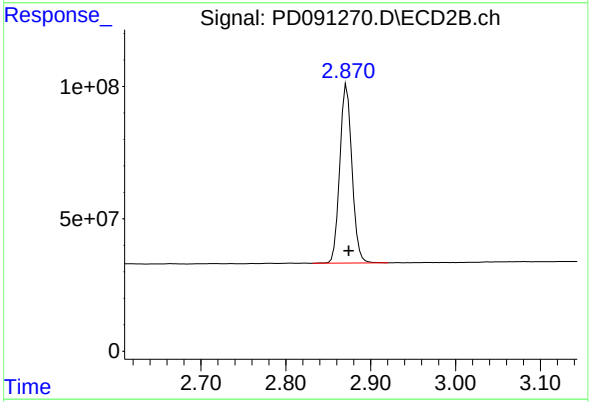




#1 Tetrachloro-m-xylene

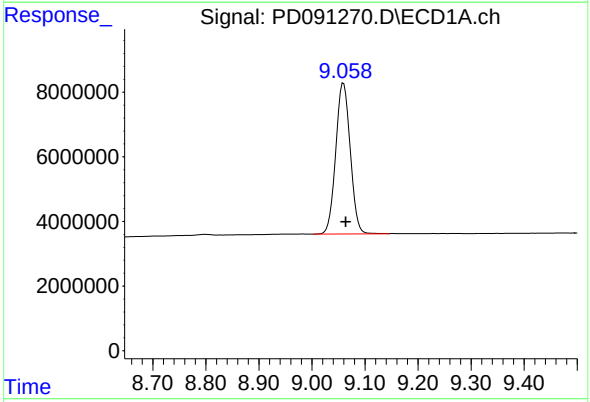
R.T.: 3.542 min
Delta R.T.: -0.002 min
Response: 59182749
Conc: 17.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170628BL



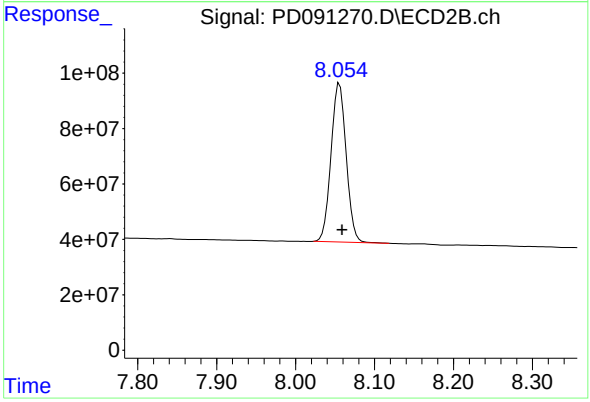
#1 Tetrachloro-m-xylene

R.T.: 2.872 min
Delta R.T.: -0.002 min
Response: 672387576
Conc: 18.36 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.059 min
Delta R.T.: -0.004 min
Response: 88790088
Conc: 17.82 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.056 min
Delta R.T.: -0.003 min
Response: 765113097
Conc: 19.33 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD112125\
Data File : PD091334.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2025 11:38
Operator : AR\AJ
Sample : PB170628BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB170628BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 11/26/2025
Supervised By :mohammad ahmed 11/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 26 00:46:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD111525.M
Quant Title : GC Extractables
QLast Update : Sat Nov 15 04:46:13 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.542	2.872	70901179	811.3E6	20.559	22.149
28)	SA Decachlor...	9.061	8.056	103.3E6	939.8E6	20.734	23.747
	Target Compounds						
2)	A alpha-BHC	3.991	3.383	340.7E6	2918.8E6	42.610	46.181
3)	MA gamma-BHC...	4.322	3.719	324.4E6	2732.8E6	43.415	47.263
4)	MA Heptachlor	4.919	4.071	316.4E6	2662.2E6	44.185	48.220
5)	MB Aldrin	5.261	4.356	320.5E6	2776.9E6	44.172	49.186
6)	B beta-BHC	4.510	4.015	122.6E6	1128.8E6	42.197	46.979
7)	B delta-BHC	4.758	4.251	299.7E6	2556.0E6	40.321	43.710
8)	B Heptachlo...	5.681	4.859	285.6E6	2475.8E6	43.956	48.584
9)	A Endosulfan I	6.065	5.233	266.5E6	2220.8E6	43.389	46.410
10)	B gamma-Chl...	5.936	5.112	282.3E6	2681.4E6	43.424	49.086
11)	B alpha-Chl...	6.017	5.176	284.1E6	2554.7E6	41.278	48.818
12)	B 4,4'-DDE	6.186	5.359	248.9E6	2629.6E6	42.922	49.204m
13)	MA Dieldrin	6.337	5.499	284.2E6	2665.4E6	43.959	49.076
14)	MA Endrin	6.564	5.776	232.3E6	2459.3E6	46.810	54.418
15)	B Endosulfa...	6.778	6.067	247.9E6	2291.2E6	44.592	49.083
16)	A 4,4'-DDD	6.697	5.916	209.1E6	2295.3E6	42.566	46.969
17)	MA 4,4'-DDT	7.013	6.169	199.8E6	2174.4E6	48.314	55.566
18)	B Endrin al...	6.907	6.245	190.7E6	1819.4E6	45.779	51.557
19)	B Endosulfa...	7.141	6.469	221.9E6	2209.4E6	43.139	49.278
20)	A Methoxychlor	7.486	6.740	105.4E6	1104.0E6	48.472	55.058
21)	B Endrin ke...	7.622	6.976	248.2E6	2759.0E6	44.053	54.145m
22)	Mirex	8.104	7.170	152.6E6	1624.1E6	42.905	49.008

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

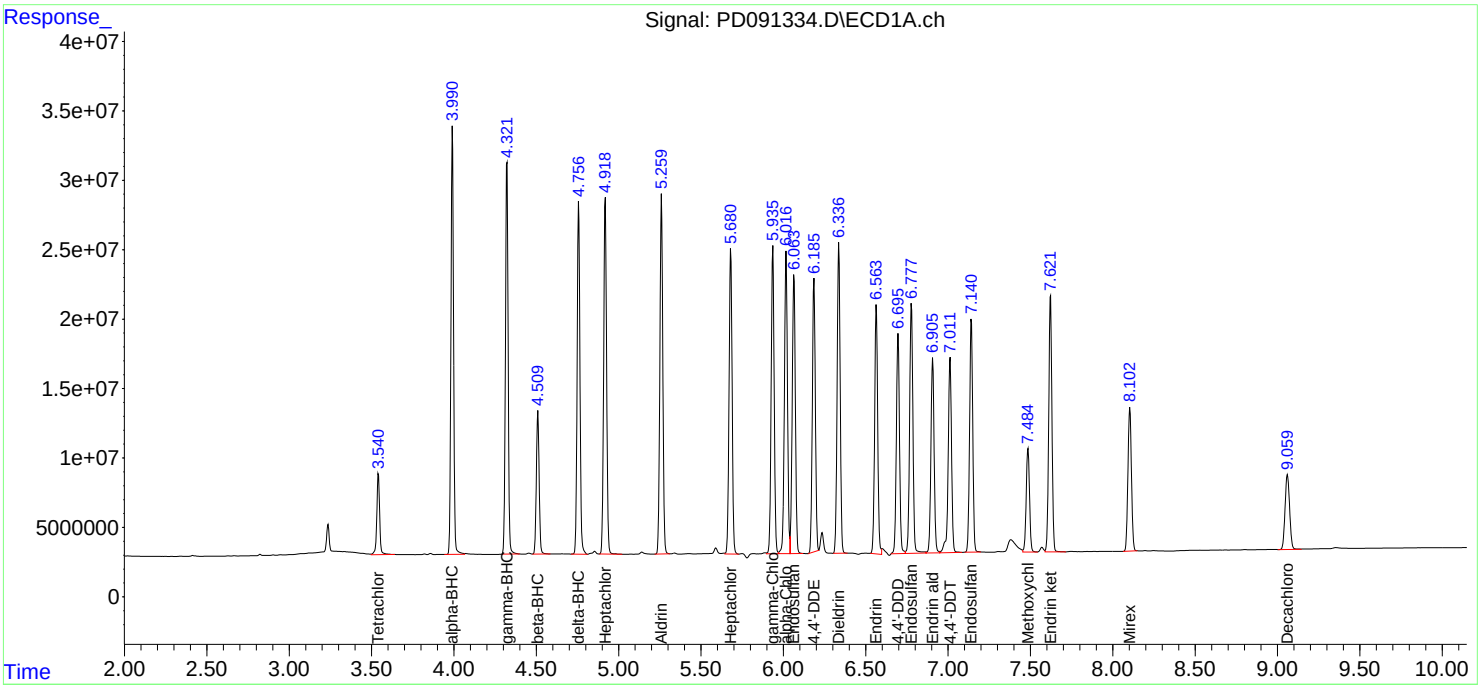
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD112125\
Data File : PD091334.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2025 11:38
Operator : AR\AJ
Sample : PB170628BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

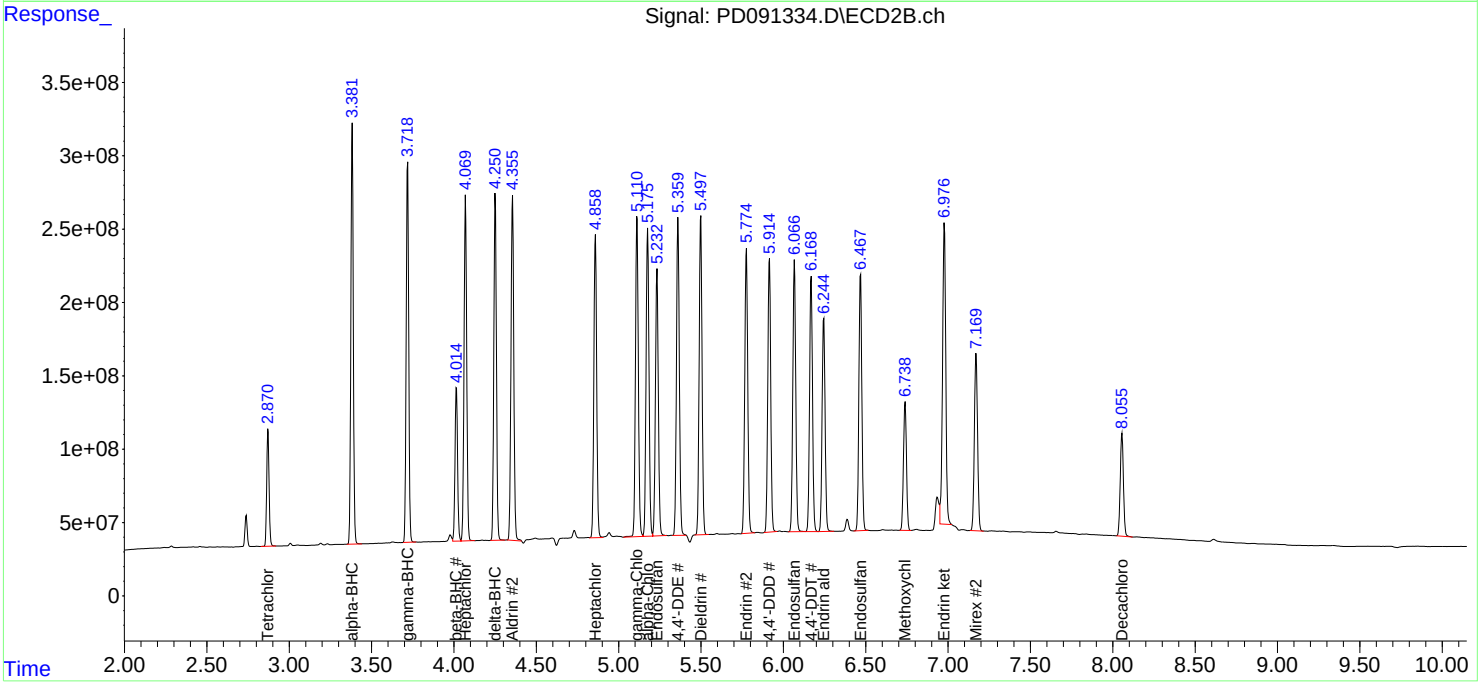
Instrument :
ECD_D
ClientSampleId :
PB170628BS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 11/26/2025
Supervised By :mohammad ahmed 11/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 26 00:46:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD111525.M
Quant Title : GC Extractables
QLast Update : Sat Nov 15 04:46:13 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111925\
Data File : PD091279.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2025 16:37
Operator : AR\AJ
Sample : Q3662-02MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
B3-0.0-1.0-20251117MS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 01:31:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD111525.M
Quant Title : GC Extractables
QLast Update : Sat Nov 15 04:46:13 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.540	2.872	49530956	538.9E6	14.363m	14.713
28)	SA Decachlor...	9.058	8.055	54845841	360.0E6	11.009m	9.098
	Target Compounds						
2)	A alpha-BHC	3.990	3.383	332.5E6	2684.6E6	41.590	42.476
3)	MA gamma-BHC...	4.320	3.719	299.1E6	2321.1E6	40.021m	40.142
4)	MA Heptachlor	4.918	4.070	168.1E6	1382.0E6	23.475	25.031
5)	MB Aldrin	5.260	4.356	321.6E6	2570.7E6	44.320	45.533
6)	B beta-BHC	4.509	4.015	127.1E6	1082.7E6	43.732	45.060
7)	B delta-BHC	4.757	4.251	265.0E6	2090.5E6	35.657	35.750
8)	B Heptachlo...	5.680	4.859	282.4E6	2255.0E6	43.462	44.251
9)	A Endosulfan I	6.063	5.234	237.6E6	1795.0E6	38.673	37.511
10)	B gamma-Chl...	5.934	5.112	296.7E6	2845.9E6	45.641m	52.097
11)	B alpha-Chl...	6.017	5.176	314.7E6	2415.3E6	45.716	46.155
12)	B 4,4'-DDE	6.186	5.360	257.7E6	2464.3E6	44.443	46.111
13)	MA Dieldrin	6.336	5.498	275.4E6	2458.7E6	42.593	45.270
14)	MA Endrin	6.563	5.775	219.8E6	1867.5E6	44.289	41.322
15)	B Endosulfa...	6.775	6.065	212.0E6	1807.0E6	38.141m	38.710m
16)	A 4,4'-DDD	6.696	5.915	179.6E6	1608.0E6	36.574	32.905
17)	MA 4,4'-DDT	7.011	6.169	88384940	910.7E6	21.372	23.271
18)	B Endrin al...	6.906	6.245	67752068	563.9E6	16.263	15.979
19)	B Endosulfa...	7.140	6.468	154.7E6	1283.9E6	30.079	28.635
20)	A Methoxychlor	7.485	6.739	45416910	398.5E6	20.888	19.876
21)	B Endrin ke...	7.620	6.977	135.4E6	1135.9E6	24.043	22.291
22)	Mirex	8.100	7.170	143.2E6	1243.7E6	40.268m	37.529

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

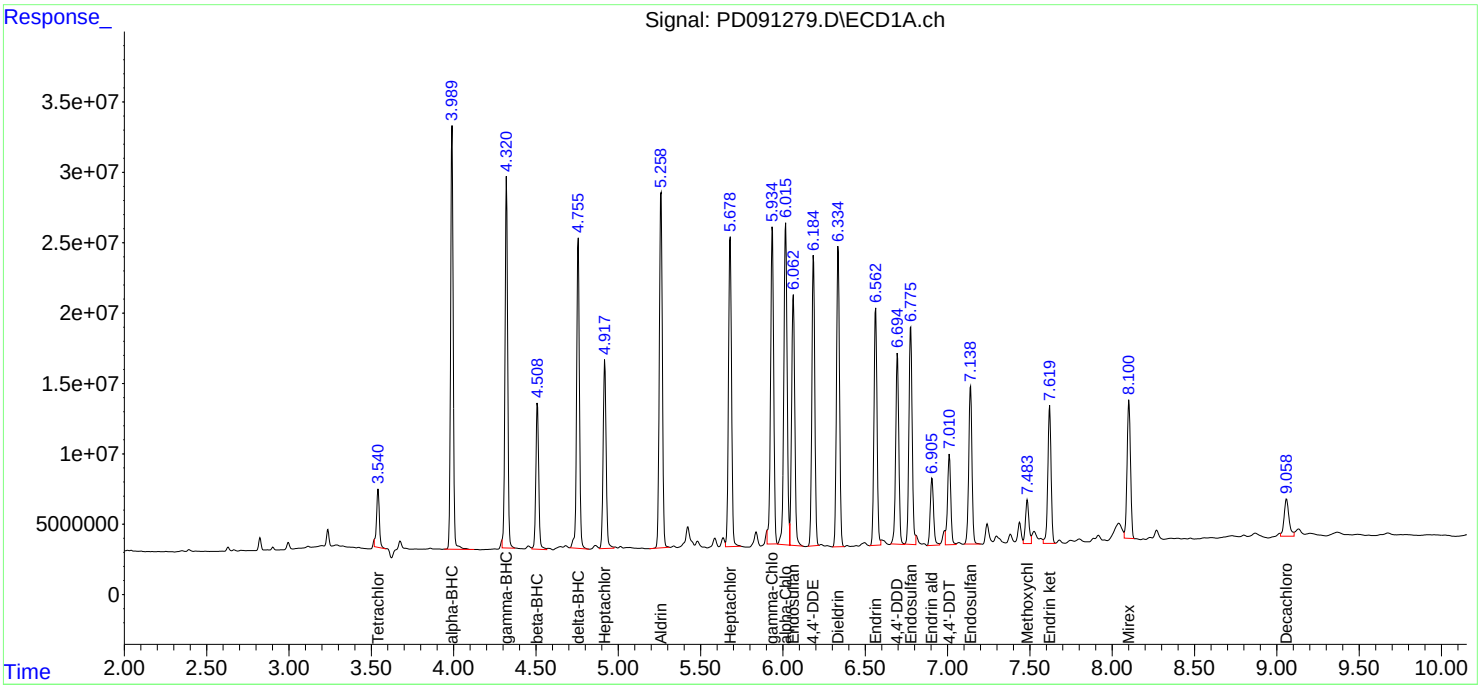
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111925\
Data File : PD091279.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2025 16:37
Operator : AR\AJ
Sample : Q3662-02MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

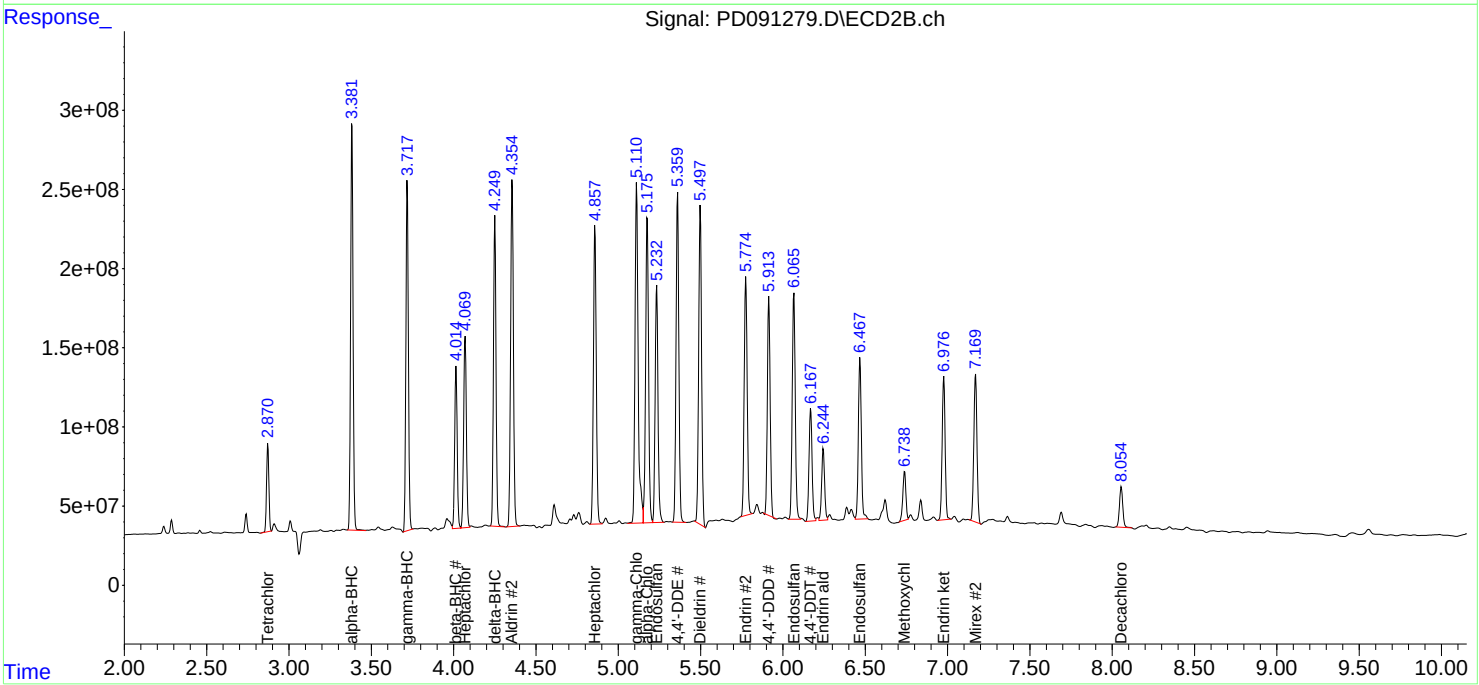
Instrument :
ECD_D
ClientSampleId :
B3-0.0-1.0-20251117MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 01:31:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD111525.M
Quant Title : GC Extractables
QLast Update : Sat Nov 15 04:46:13 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111925\
Data File : PD091280.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2025 16:51
Operator : AR\AJ
Sample : Q3662-02MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
B3-0.0-1.0-20251117MSD

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 01:31:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD111525.M
Quant Title : GC Extractables
QLast Update : Sat Nov 15 04:46:13 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.540	2.872	48588177	560.8E6	14.089m	15.309
28)	SA Decachlor...	9.059	8.054	53098325	385.8E6	10.658	9.749
	Target Compounds						
2)	A alpha-BHC	3.991	3.383	358.0E6	2882.3E6	44.773	45.605
3)	MA gamma-BHC...	4.320	3.719	326.6E6	2550.8E6	43.702m	44.115
4)	MA Heptachlor	4.918	4.070	187.7E6	1546.5E6	26.202	28.011
5)	MB Aldrin	5.260	4.356	324.0E6	2590.0E6	44.655	45.875
6)	B beta-BHC	4.509	4.015	127.6E6	1103.0E6	43.919	45.907
7)	B delta-BHC	4.757	4.251	316.1E6	2490.5E6	42.537	42.589
8)	B Heptachlo...	5.680	4.859	280.4E6	2289.5E6	43.161	44.929
9)	A Endosulfan I	6.064	5.233	257.0E6	1937.6E6	41.844	40.492
10)	B gamma-Chl...	5.934	5.112	290.0E6	2806.0E6	44.608m	51.367
11)	B alpha-Chl...	6.017	5.176	308.4E6	2410.0E6	44.803	46.054
12)	B 4,4'-DDE	6.186	5.361	252.3E6	2425.9E6	43.512	45.392
13)	MA Dieldrin	6.337	5.499	277.7E6	2448.3E6	42.960	45.078
14)	MA Endrin	6.563	5.775	224.2E6	1925.4E6	45.173	42.604
15)	B Endosulfa...	6.775	6.065	229.8E6	1941.6E6	41.337m	41.594m
16)	A 4,4'-DDD	6.695	5.915	194.0E6	1737.3E6	39.489	35.550
17)	MA 4,4'-DDT	7.011	6.168	122.4E6	1142.8E6	29.609	29.202
18)	B Endrin al...	6.906	6.245	105.7E6	893.9E6	25.370	25.331
19)	B Endosulfa...	7.140	6.468	185.6E6	1550.3E6	36.068	34.577
20)	A Methoxychlor	7.484	6.739	56368320	484.0E6	25.924	24.136
21)	B Endrin ke...	7.621	6.977	191.8E6	1532.5E6	34.040	30.074
22)	Mirex	8.101	7.169	140.3E6	1213.8E6	39.456m	36.628

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

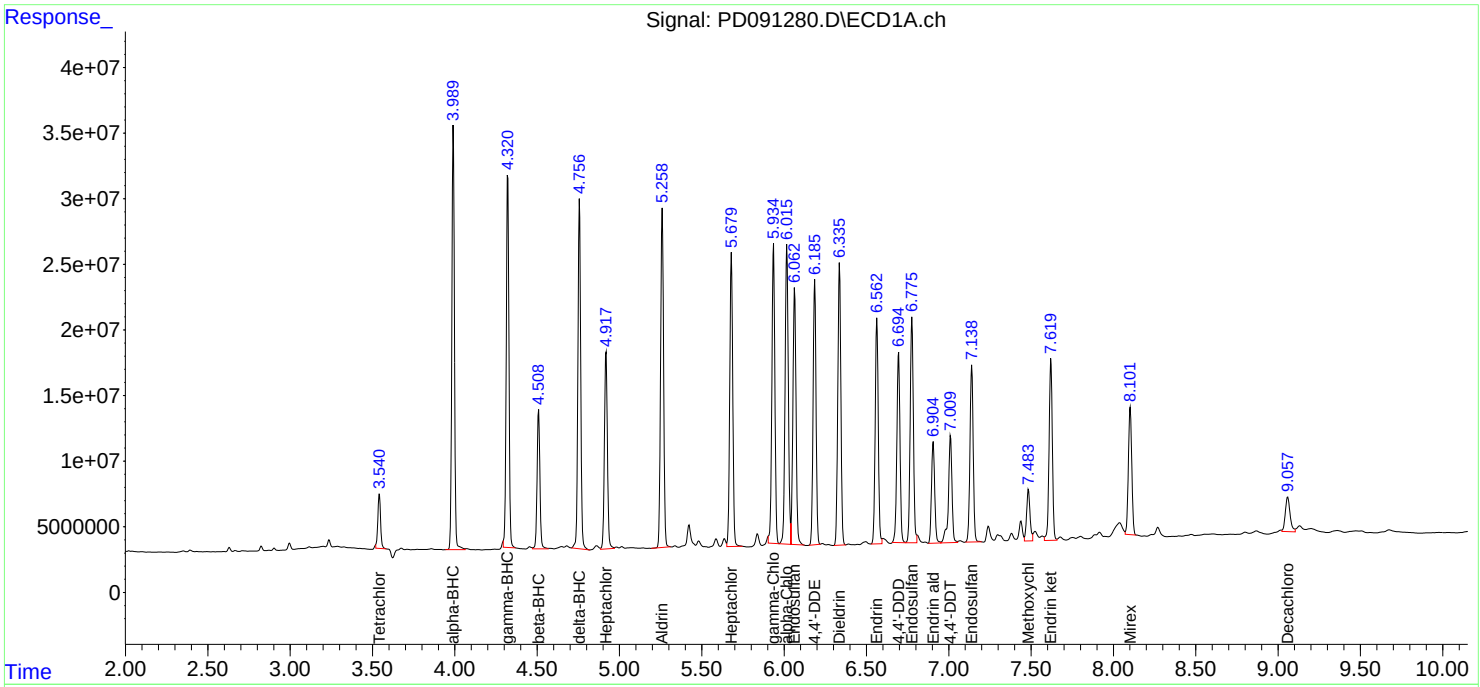
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111925\
Data File : PD091280.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2025 16:51
Operator : AR\AJ
Sample : Q3662-02MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

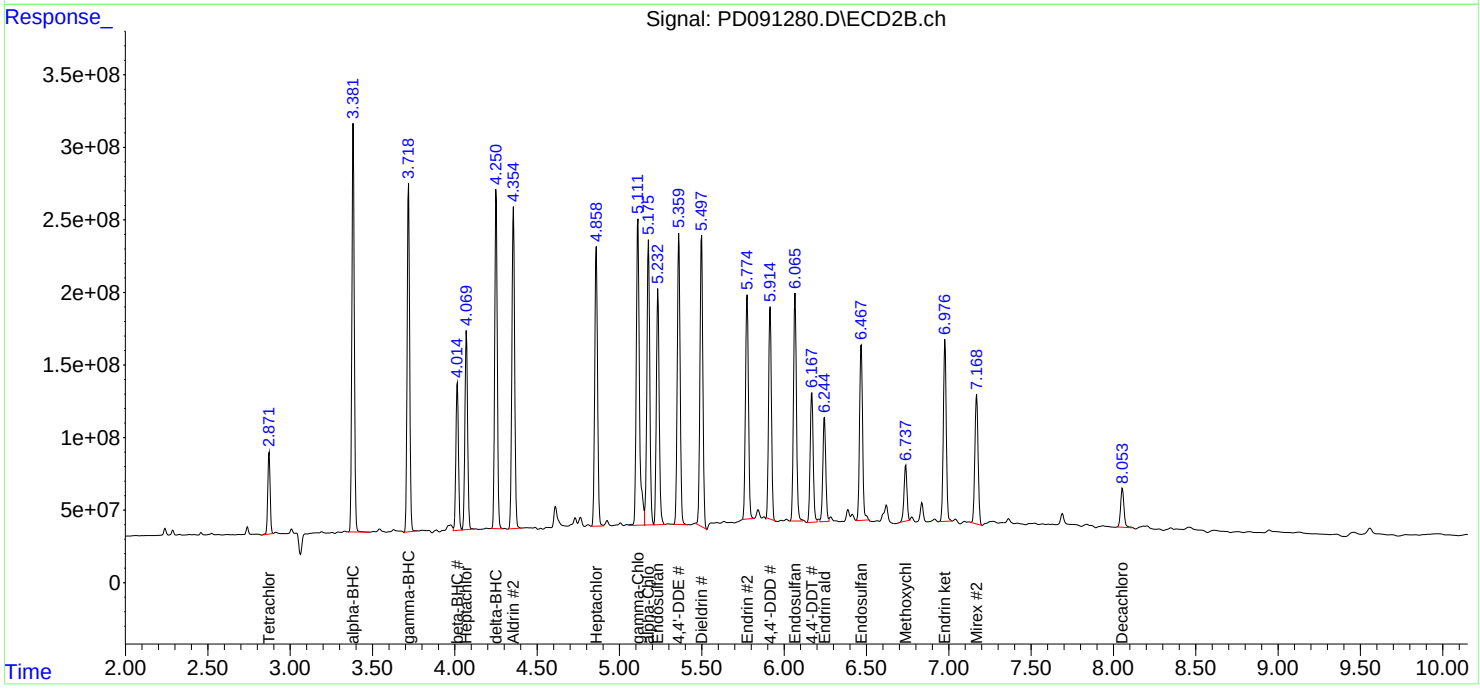
Instrument :
ECD_D
ClientSampleId :
B3-0.0-1.0-20251117MSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 01:31:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD111525.M
Quant Title : GC Extractables
QLast Update : Sat Nov 15 04:46:13 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





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

Manual Integration Report

Sequence:	PD111525	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD091194.D	4,4"-DDE #2	Abdul	11/17/2025 8:53:25 AM	Sohil	11/17/2025 2:13:45	Peak Integrated by Software
PEM	PD091194.D	Endrin aldehyde	Abdul	11/17/2025 8:53:25 AM	Sohil	11/17/2025 2:13:45	Peak Integrated by Software
PEM	PD091194.D	Endrin aldehyde #2	Abdul	11/17/2025 8:53:25 AM	Sohil	11/17/2025 2:13:45	Peak Integrated by Software
PSTDICC005	PD091200.D	delta-BHC	Abdul	11/17/2025 8:54:07 AM	Sohil	11/17/2025 2:13:50	Peak Integrated by Software
PSTDICC005	PD091200.D	Heptachlor	Abdul	11/17/2025 8:54:07 AM	Sohil	11/17/2025 2:13:50	Peak Integrated by Software
PSTDICC005	PD091200.D	Heptachlor epoxide	Abdul	11/17/2025 8:54:07 AM	Sohil	11/17/2025 2:13:50	Peak Integrated by Software
PSTDICC005	PD091200.D	Tetrachloro-m-xylene	Abdul	11/17/2025 8:54:07 AM	Sohil	11/17/2025 2:13:50	Peak Integrated by Software
PSTDICC005	PD091200.D	Tetrachloro-m-xylene #2	Abdul	11/17/2025 8:54:07 AM	Sohil	11/17/2025 2:13:50	Peak Integrated by Software
PEM	PD091215.D	4,4"-DDE #2	Abdul	11/17/2025 8:53:18 AM	Sohil	11/17/2025 2:14:03	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PD111925	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3662-02	PD091278.D	4,4"-DDE	Abdul	11/20/2025 8:19:39 AM	Sohil	11/20/2025 4:02:44	Peak Integrated by Software
Q3662-02	PD091278.D	4,4"-DDE #2	Abdul	11/20/2025 8:19:39 AM	Sohil	11/20/2025 4:02:44	Peak Integrated by Software
Q3662-02	PD091278.D	4,4"-DDT	Abdul	11/20/2025 8:19:39 AM	Sohil	11/20/2025 4:02:44	Peak Integrated by Software
Q3662-02	PD091278.D	Decachlorobiphenyl	Abdul	11/20/2025 8:19:39 AM	Sohil	11/20/2025 4:02:44	Peak Integrated by Software
Q3662-02	PD091278.D	Heptachlor epoxide #2	Abdul	11/20/2025 8:19:39 AM	Sohil	11/20/2025 4:02:44	Peak Integrated by Software
Q3662-02	PD091278.D	Tetrachloro-m-xylene	Abdul	11/20/2025 8:19:39 AM	Sohil	11/20/2025 4:02:44	Peak Integrated by Software
Q3662-02MS	PD091279.D	Decachlorobiphenyl	Abdul	11/20/2025 8:19:36 AM	Sohil	11/20/2025 4:02:46	Peak Integrated by Software
Q3662-02MS	PD091279.D	Endosulfan II	Abdul	11/20/2025 8:19:36 AM	Sohil	11/20/2025 4:02:46	Peak Integrated by Software
Q3662-02MS	PD091279.D	Endosulfan II #2	Abdul	11/20/2025 8:19:36 AM	Sohil	11/20/2025 4:02:46	Peak Integrated by Software
Q3662-02MS	PD091279.D	gamma-BHC (Lindane)	Abdul	11/20/2025 8:19:36 AM	Sohil	11/20/2025 4:02:46	Peak Integrated by Software
Q3662-02MS	PD091279.D	gamma-Chlordane	Abdul	11/20/2025 8:19:36 AM	Sohil	11/20/2025 4:02:46	Peak Integrated by Software
Q3662-02MS	PD091279.D	Mirex	Abdul	11/20/2025 8:19:36 AM	Sohil	11/20/2025 4:02:46	Peak Integrated by Software
Q3662-02MS	PD091279.D	Tetrachloro-m-xylene	Abdul	11/20/2025 8:19:36 AM	Sohil	11/20/2025 4:02:46	Peak Integrated by Software

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Manual Integration Report

Sequence:	PD111925	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3662-02MSD	PD091280.D	Endosulfan II	Abdul	11/20/2025 8:19:32 AM	Sohil	11/20/2025 4:02:49	Peak Integrated by Software
Q3662-02MSD	PD091280.D	Endosulfan II #2	Abdul	11/20/2025 8:19:32 AM	Sohil	11/20/2025 4:02:49	Peak Integrated by Software
Q3662-02MSD	PD091280.D	gamma-BHC (Lindane)	Abdul	11/20/2025 8:19:32 AM	Sohil	11/20/2025 4:02:49	Peak Integrated by Software
Q3662-02MSD	PD091280.D	gamma-Chlordane	Abdul	11/20/2025 8:19:32 AM	Sohil	11/20/2025 4:02:49	Peak Integrated by Software
Q3662-02MSD	PD091280.D	Mirex	Abdul	11/20/2025 8:19:32 AM	Sohil	11/20/2025 4:02:49	Peak Integrated by Software
Q3662-02MSD	PD091280.D	Tetrachloro-m-xylene	Abdul	11/20/2025 8:19:32 AM	Sohil	11/20/2025 4:02:49	Peak Integrated by Software
Q3662-04	PD091281.D	4,4"-DDE	Abdul	11/20/2025 8:19:28 AM	Sohil	11/20/2025 4:02:51	Peak Integrated by Software
Q3662-04	PD091281.D	4,4"-DDT	Abdul	11/20/2025 8:19:28 AM	Sohil	11/20/2025 4:02:51	Peak Integrated by Software
Q3662-04	PD091281.D	alpha-Chlordane #2	Abdul	11/20/2025 8:19:28 AM	Sohil	11/20/2025 4:02:51	Peak Integrated by Software
Q3662-04	PD091281.D	gamma-Chlordane #2	Abdul	11/20/2025 8:19:28 AM	Sohil	11/20/2025 4:02:51	Peak Integrated by Software
PEM	PD091286.D	4,4"-DDE #2	Abdul	11/20/2025 8:19:00 AM	Sohil	11/20/2025 4:03:02	Peak Integrated by Software
PEM	PD091286.D	beta-BHC #2	Abdul	11/20/2025 8:19:00 AM	Sohil	11/20/2025 4:03:02	Peak Integrated by Software
PEM	PD091286.D	Endrin aldehyde	Abdul	11/20/2025 8:19:00 AM	Sohil	11/20/2025 4:03:02	Peak Integrated by Software

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Manual Integration Report

Sequence:	PD111925	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD091286.D	Tetrachloro-m-xylene	Abdul	11/20/2025 8:19:00 AM	Sohil	11/20/2025 4:03:02	Peak Integrated by Software
PSTDCCC050	PD091287.D	4,4"-DDE #2	Abdul	11/20/2025 8:18:55 AM	Sohil	11/20/2025 4:03:05	Peak Integrated by Software
PSTDCCC050	PD091287.D	Endosulfan II	Abdul	11/20/2025 8:18:55 AM	Sohil	11/20/2025 4:03:05	Peak Integrated by Software

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Manual Integration Report

Sequence:	pd112125	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD091329.D	4,4"-DDE #2	rahul	11/26/2025 4:51:50 AM	mohammad	11/26/2025 4:54:22	Peak Integrated by Software
PB170628BS	PD091334.D	4,4"-DDE #2	rahul	11/26/2025 4:51:56 AM	mohammad	11/26/2025 4:54:22	Peak Integrated by Software
PB170628BS	PD091334.D	Endrin ketone #2	rahul	11/26/2025 4:51:56 AM	mohammad	11/26/2025 4:54:22	Peak Integrated by Software

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD111525

Review By	rahul	Review On	11/14/2025 3:12:58 PM		
Supervise By	Sohil	Supervise On	11/17/2025 2:14:18 PM		
SubDirectory	PD111525	HP Acquire Method		HP Processing Method	pd111525 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24942,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	I.BLK	PD091193.D	14 Nov 2025 20:01	AR\AJ	Ok
2	PEM	PD091194.D	14 Nov 2025 20:15	AR\AJ	Ok,M
3	RESCHK	PD091195.D	14 Nov 2025 20:43	AR\AJ	Ok
4	PSTDICC100	PD091196.D	14 Nov 2025 20:56	AR\AJ	Ok
5	PSTDICC075	PD091197.D	14 Nov 2025 21:10	AR\AJ	Ok
6	PSTDICC050	PD091198.D	14 Nov 2025 21:24	AR\AJ	Ok
7	PSTDICC025	PD091199.D	14 Nov 2025 21:37	AR\AJ	Ok
8	PSTDICC005	PD091200.D	14 Nov 2025 21:51	AR\AJ	Ok,M
9	PCHLORICC1000	PD091201.D	14 Nov 2025 22:04	AR\AJ	Ok
10	PCHLORICC750	PD091202.D	14 Nov 2025 22:18	AR\AJ	Ok
11	PCHLORICC500	PD091203.D	14 Nov 2025 22:32	AR\AJ	Ok
12	PCHLORICC250	PD091204.D	14 Nov 2025 22:46	AR\AJ	Ok,M
13	PCHLORICC50	PD091205.D	14 Nov 2025 22:59	AR\AJ	Ok,M
14	PTOXICC1000	PD091206.D	14 Nov 2025 23:13	AR\AJ	Ok
15	PTOXICC750	PD091207.D	14 Nov 2025 23:27	AR\AJ	Ok
16	PTOXICC500	PD091208.D	14 Nov 2025 23:40	AR\AJ	Ok
17	PTOXICC250	PD091209.D	14 Nov 2025 23:54	AR\AJ	Ok
18	PTOXICC100	PD091210.D	15 Nov 2025 00:08	AR\AJ	Ok
19	PSTDICV050	PD091211.D	15 Nov 2025 00:21	AR\AJ	Ok
20	PCHLORICV050	PD091212.D	15 Nov 2025 00:49	AR\AJ	Ok
21	PTOXICV050	PD091213.D	15 Nov 2025 01:30	AR\AJ	Ok

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD111525

Review By	rahul	Review On	11/14/2025 3:12:58 PM		
Supervise By	Sohil	Supervise On	11/17/2025 2:14:18 PM		
SubDirectory	PD111525	HP Acquire Method		HP Processing Method	pd111525 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24942,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762 ,PP24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	I.BLK	PD091214.D	15 Nov 2025 01:44	AR\AJ	Ok
23	PEM	PD091215.D	15 Nov 2025 01:57	AR\AJ	Ok,M
24	PSTDCCC050	PD091216.D	15 Nov 2025 02:11	AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD111925

Review By	Abdul	Review On	11/20/2025 8:20:36 AM		
Supervise By	Sohil	Supervise On	11/20/2025 4:03:21 PM		
SubDirectory	PD111925	HP Acquire Method		HP Processing Method	pd111525 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24942,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD091263.D	19 Nov 2025 08:52	AR\AJ	Ok
2	I.BLK	PD091264.D	19 Nov 2025 09:05	AR\AJ	Ok
3	PEM	PD091265.D	19 Nov 2025 09:19	AR\AJ	Ok
4	PSTDCCC050	PD091266.D	19 Nov 2025 12:24	AR\AJ	Ok
5	Q3660-01	PD091267.D	19 Nov 2025 12:38	AR\AJ	Ok
6	PB170610BS	PD091268.D	19 Nov 2025 13:33	AR\AJ	Not Ok
7	PB170610BSD	PD091269.D	19 Nov 2025 13:54	AR\AJ	Not Ok
8	PB170628BL	PD091270.D	19 Nov 2025 14:07	AR\AJ	Ok
9	PB170628BS	PD091271.D	19 Nov 2025 14:21	AR\AJ	Not Ok
10	Q3483-20	PD091272.D	19 Nov 2025 14:34	AR\AJ	Dilution
11	Q3669-01	PD091273.D	19 Nov 2025 14:48	AR\AJ	Ok,M
12	Q3483-20DL	PD091274.D	19 Nov 2025 15:02	AR\AJ	Ok,M
13	I.BLK	PD091275.D	19 Nov 2025 15:16	AR\AJ	Ok
14	PSTDCCC050	PD091276.D	19 Nov 2025 15:55	AR\AJ	Ok
15	PP25072	PD091277.D	19 Nov 2025 16:09	AR\AJ	Ok
16	Q3662-02	PD091278.D	19 Nov 2025 16:24	AR\AJ	Ok,M
17	Q3662-02MS	PD091279.D	19 Nov 2025 16:37	AR\AJ	Ok,M
18	Q3662-02MSD	PD091280.D	19 Nov 2025 16:51	AR\AJ	Ok,M
19	Q3662-04	PD091281.D	19 Nov 2025 17:05	AR\AJ	Ok,M
20	Q3664-01	PD091282.D	19 Nov 2025 17:18	AR\AJ	Ok,M
21	Q3664-03	PD091283.D	19 Nov 2025 17:32	AR\AJ	Ok,M

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD111925

Review By	Abdul	Review On	11/20/2025 8:20:36 AM		
Supervise By	Sohil	Supervise On	11/20/2025 4:03:21 PM		
SubDirectory	PD111925	HP Acquire Method		HP Processing Method	pd111525 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24942,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q3664-05	PD091284.D	19 Nov 2025 17:45	AR\AJ	Ok,M
23	I.BLK	PD091285.D	19 Nov 2025 17:59	AR\AJ	Ok
24	PEM	PD091286.D	19 Nov 2025 18:13	AR\AJ	Ok,M
25	PSTDCCC050	PD091287.D	19 Nov 2025 18:40	AR\AJ	Ok,M
26	PB170638BL	PD091288.D	19 Nov 2025 18:54	AR\AJ	Ok
27	PB170638BS	PD091289.D	19 Nov 2025 19:07	AR\AJ	Not Ok
28	PB170600TB	PD091290.D	19 Nov 2025 19:21	AR\AJ	Ok
29	Q3659-01	PD091291.D	19 Nov 2025 19:35	AR\AJ	Ok
30	Q3659-01MS	PD091292.D	19 Nov 2025 19:48	AR\AJ	Ok,M
31	Q3659-01MSD	PD091293.D	19 Nov 2025 20:02	AR\AJ	Ok,M
32	Q3659-02	PD091294.D	19 Nov 2025 20:16	AR\AJ	Ok
33	I.BLK	PD091295.D	19 Nov 2025 20:29	AR\AJ	Ok
34	PSTDCCC050	PD091296.D	19 Nov 2025 20:43	AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD112125

Review By	rahul	Review On	11/26/2025 4:53:09 AM		
Supervise By	mohammad	Supervise On	11/26/2025 4:54:22 AM		
SubDirectory	PD112125	HP Acquire Method		HP Processing Method	pd111525 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24942,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD091327.D	21 Nov 2025 08:55	AR\AJ	Ok
2	I.BLK	PD091328.D	21 Nov 2025 09:11	AR\AJ	Ok
3	PEM	PD091329.D	21 Nov 2025 09:25	AR\AJ	Ok,M
4	PSTDCCC050	PD091330.D	21 Nov 2025 09:59	AR\AJ	Ok
5	PB170610BS	PD091331.D	21 Nov 2025 10:31	AR\AJ	Ok
6	PB170610BSD	PD091332.D	21 Nov 2025 11:07	AR\AJ	Ok,M
7	PB170638BS	PD091333.D	21 Nov 2025 11:24	AR\AJ	Ok,M
8	PB170628BS	PD091334.D	21 Nov 2025 11:38	AR\AJ	Ok,M
9	PB170651BS	PD091335.D	21 Nov 2025 12:32	AR\AJ	Ok,M
10	PB170672BL	PD091336.D	21 Nov 2025 12:46	AR\AJ	Ok
11	PB170672BS	PD091337.D	21 Nov 2025 13:00	AR\AJ	Ok,M
12	Q3699-01	PD091338.D	21 Nov 2025 13:13	AR\AJ	Ok,M
13	Q3699-03	PD091339.D	21 Nov 2025 13:27	AR\AJ	ReRun
14	Q3699-03MS	PD091340.D	21 Nov 2025 13:40	AR\AJ	Ok,M
15	Q3699-03MSD	PD091341.D	21 Nov 2025 13:54	AR\AJ	Ok,M
16	Q3697-01	PD091342.D	21 Nov 2025 14:08	AR\AJ	Ok
17	Q3697-02	PD091343.D	21 Nov 2025 14:21	AR\AJ	Ok,M
18	Q3697-03	PD091344.D	21 Nov 2025 14:35	AR\AJ	Ok,M
19	I.BLK	PD091345.D	21 Nov 2025 14:48	AR\AJ	Ok
20	PSTDCCC050	PD091346.D	21 Nov 2025 15:02	AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD111525

Review By	rahul	Review On	11/14/2025 3:12:58 PM		
Supervise By	Sohil	Supervise On	11/17/2025 2:14:18 PM		
SubDirectory	PD111525	HP Acquire Method		HP Processing Method	pd111525 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24942,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	I.BLK	I.BLK	PD091193.D	14 Nov 2025 20:01		AR\AJ	Ok
2	PEM	PEM	PD091194.D	14 Nov 2025 20:15		AR\AJ	Ok,M
3	RESCHK	RESCHK	PD091195.D	14 Nov 2025 20:43		AR\AJ	Ok
4	PSTDICC100	PSTDICC100	PD091196.D	14 Nov 2025 20:56		AR\AJ	Ok
5	PSTDICC075	PSTDICC075	PD091197.D	14 Nov 2025 21:10		AR\AJ	Ok
6	PSTDICC050	PSTDICC050	PD091198.D	14 Nov 2025 21:24		AR\AJ	Ok
7	PSTDICC025	PSTDICC025	PD091199.D	14 Nov 2025 21:37		AR\AJ	Ok
8	PSTDICC005	PSTDICC005	PD091200.D	14 Nov 2025 21:51		AR\AJ	Ok,M
9	PCHLORICC1000	PCHLORICC1000	PD091201.D	14 Nov 2025 22:04		AR\AJ	Ok
10	PCHLORICC750	PCHLORICC750	PD091202.D	14 Nov 2025 22:18		AR\AJ	Ok
11	PCHLORICC500	PCHLORICC500	PD091203.D	14 Nov 2025 22:32		AR\AJ	Ok
12	PCHLORICC250	PCHLORICC250	PD091204.D	14 Nov 2025 22:46		AR\AJ	Ok,M
13	PCHLORICC50	PCHLORICC50	PD091205.D	14 Nov 2025 22:59		AR\AJ	Ok,M
14	PTOXICC1000	PTOXICC1000	PD091206.D	14 Nov 2025 23:13		AR\AJ	Ok
15	PTOXICC750	PTOXICC750	PD091207.D	14 Nov 2025 23:27		AR\AJ	Ok
16	PTOXICC500	PTOXICC500	PD091208.D	14 Nov 2025 23:40		AR\AJ	Ok
17	PTOXICC250	PTOXICC250	PD091209.D	14 Nov 2025 23:54		AR\AJ	Ok
18	PTOXICC100	PTOXICC100	PD091210.D	15 Nov 2025 00:08		AR\AJ	Ok

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD111525

Review By	rahul	Review On	11/14/2025 3:12:58 PM		
Supervise By	Sohil	Supervise On	11/17/2025 2:14:18 PM		
SubDirectory	PD111525	HP Acquire Method		HP Processing Method	pd111525 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24942,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PSTDICV050	ICVPD111525	PD091211.D	15 Nov 2025 00:21		AR\AJ	Ok
20	PCHLORICV050	ICVPD111525CHLOR	PD091212.D	15 Nov 2025 00:49		AR\AJ	Ok
21	PTOXICV050	ICVPD111525TOX	PD091213.D	15 Nov 2025 01:30		AR\AJ	Ok
22	I.BLK	I.BLK	PD091214.D	15 Nov 2025 01:44		AR\AJ	Ok
23	PEM	PEM	PD091215.D	15 Nov 2025 01:57		AR\AJ	Ok,M
24	PSTDCCC050	PSTDCCC050	PD091216.D	15 Nov 2025 02:11		AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD111925

Review By	Abdul	Review On	11/20/2025 8:20:36 AM		
Supervise By	Sohil	Supervise On	11/20/2025 4:03:21 PM		
SubDirectory	PD111925	HP Acquire Method		HP Processing Method	pd111525 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24942,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD091263.D	19 Nov 2025 08:52		AR\AJ	Ok
2	I.BLK	I.BLK	PD091264.D	19 Nov 2025 09:05		AR\AJ	Ok
3	PEM	PEM	PD091265.D	19 Nov 2025 09:19		AR\AJ	Ok
4	PSTDCCC050	PSTDCCC050	PD091266.D	19 Nov 2025 12:24		AR\AJ	Ok
5	Q3660-01	FRAC-TANK-M21012	PD091267.D	19 Nov 2025 12:38		AR\AJ	Ok
6	PB170610BS	PB170610BS	PD091268.D	19 Nov 2025 13:33	TCMX high in both column	AR\AJ	Not Ok
7	PB170610BSD	PB170610BSD	PD091269.D	19 Nov 2025 13:54	TCMX high in both column	AR\AJ	Not Ok
8	PB170628BL	PB170628BL	PD091270.D	19 Nov 2025 14:07		AR\AJ	Ok
9	PB170628BS	PB170628BS	PD091271.D	19 Nov 2025 14:21	DCB high in 2nd column	AR\AJ	Not Ok
10	Q3483-20	HW1025-PT-PEST-SOI	PD091272.D	19 Nov 2025 14:34	need dilution	AR\AJ	Dilution
11	Q3669-01	EO-01-11182025	PD091273.D	19 Nov 2025 14:48		AR\AJ	Ok,M
12	Q3483-20DL	HW1025-PT-PEST-SOI	PD091274.D	19 Nov 2025 15:02	TCMX high in 2nd column	AR\AJ	Ok,M
13	I.BLK	I.BLK	PD091275.D	19 Nov 2025 15:16		AR\AJ	Ok
14	PSTDCCC050	PSTDCCC050	PD091276.D	19 Nov 2025 15:55		AR\AJ	Ok
15	PP25072	PP25072	PD091277.D	19 Nov 2025 16:09		AR\AJ	Ok
16	Q3662-02	B3-0.0-1.0-20251117	PD091278.D	19 Nov 2025 16:24		AR\AJ	Ok,M
17	Q3662-02MS	B3-0.0-1.0-20251117MS	PD091279.D	19 Nov 2025 16:37		AR\AJ	Ok,M
18	Q3662-02MSD	B3-0.0-1.0-20251117MS	PD091280.D	19 Nov 2025 16:51	RPD Fail	AR\AJ	Ok,M

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD111925

Review By	Abdul	Review On	11/20/2025 8:20:36 AM		
Supervise By	Sohil	Supervise On	11/20/2025 4:03:21 PM		
SubDirectory	PD111925	HP Acquire Method		HP Processing Method	pd111525 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24942,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q3662-04	B1-0.0-1.0-20251117	PD091281.D	19 Nov 2025 17:05		AR\AJ	Ok,M
20	Q3664-01	ARS20-0001	PD091282.D	19 Nov 2025 17:18		AR\AJ	Ok,M
21	Q3664-03	ARS20-0013	PD091283.D	19 Nov 2025 17:32		AR\AJ	Ok,M
22	Q3664-05	291399	PD091284.D	19 Nov 2025 17:45		AR\AJ	Ok,M
23	I.BLK	I.BLK	PD091285.D	19 Nov 2025 17:59		AR\AJ	Ok
24	PEM	PEM	PD091286.D	19 Nov 2025 18:13		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PD091287.D	19 Nov 2025 18:40		AR\AJ	Ok,M
26	PB170638BL	PB170638BL	PD091288.D	19 Nov 2025 18:54		AR\AJ	Ok
27	PB170638BS	PB170638BS	PD091289.D	19 Nov 2025 19:07	some compound recovery fail	AR\AJ	Not Ok
28	PB170600TB	PB170600TB	PD091290.D	19 Nov 2025 19:21		AR\AJ	Ok
29	Q3659-01	TANK-1-COMP-1	PD091291.D	19 Nov 2025 19:35		AR\AJ	Ok
30	Q3659-01MS	TANK-1-COMP-1MS	PD091292.D	19 Nov 2025 19:48		AR\AJ	Ok,M
31	Q3659-01MSD	TANK-1-COMP-1MSD	PD091293.D	19 Nov 2025 20:02		AR\AJ	Ok,M
32	Q3659-02	TANK-1-COMP-2	PD091294.D	19 Nov 2025 20:16		AR\AJ	Ok
33	I.BLK	I.BLK	PD091295.D	19 Nov 2025 20:29		AR\AJ	Ok
34	PSTDCCC050	PSTDCCC050	PD091296.D	19 Nov 2025 20:43		AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD112125

Review By	rahul	Review On	11/26/2025 4:53:09 AM		
Supervise By	mohammad	Supervise On	11/26/2025 4:54:22 AM		
SubDirectory	PD112125	HP Acquire Method		HP Processing Method	pd111525 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24942,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD091327.D	21 Nov 2025 08:55		AR\AJ	Ok
2	I.BLK	I.BLK	PD091328.D	21 Nov 2025 09:11		AR\AJ	Ok
3	PEM	PEM	PD091329.D	21 Nov 2025 09:25		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD091330.D	21 Nov 2025 09:59		AR\AJ	Ok
5	PB170610BS	PB170610BS	PD091331.D	21 Nov 2025 10:31		AR\AJ	Ok
6	PB170610BSD	PB170610BSD	PD091332.D	21 Nov 2025 11:07		AR\AJ	Ok,M
7	PB170638BS	PB170638BS	PD091333.D	21 Nov 2025 11:24		AR\AJ	Ok,M
8	PB170628BS	PB170628BS	PD091334.D	21 Nov 2025 11:38		AR\AJ	Ok,M
9	PB170651BS	PB170651BS	PD091335.D	21 Nov 2025 12:32		AR\AJ	Ok,M
10	PB170672BL	PB170672BL	PD091336.D	21 Nov 2025 12:46		AR\AJ	Ok
11	PB170672BS	PB170672BS	PD091337.D	21 Nov 2025 13:00		AR\AJ	Ok,M
12	Q3699-01	TR-04-112025	PD091338.D	21 Nov 2025 13:13		AR\AJ	Ok,M
13	Q3699-03	TR-06-112025	PD091339.D	21 Nov 2025 13:27	TCMX high in both column	AR\AJ	ReRun
14	Q3699-03MS	TR-06-112025	PD091340.D	21 Nov 2025 13:40		AR\AJ	Ok,M
15	Q3699-03MSD	TR-06-112025	PD091341.D	21 Nov 2025 13:54		AR\AJ	Ok,M
16	Q3697-01	MOO-25-0331	PD091342.D	21 Nov 2025 14:08		AR\AJ	Ok
17	Q3697-02	MOO-25-0332	PD091343.D	21 Nov 2025 14:21		AR\AJ	Ok,M
18	Q3697-03	MOO-25-0333	PD091344.D	21 Nov 2025 14:35		AR\AJ	Ok,M

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD112125

Review By	rahul	Review On	11/26/2025 4:53:09 AM		
Supervise By	mohammad	Supervise On	11/26/2025 4:54:22 AM		
SubDirectory	PD112125	HP Acquire Method		HP Processing Method	pd111525 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24942,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	I.BLK	I.BLK	PD091345.D	21 Nov 2025 14:48		AR\AJ	Ok
20	PSTDCCC050	PSTDCCC050	PD091346.D	21 Nov 2025 15:02		AR\AJ	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB170628

SOP ID: M3541-ASE Extraction-15

Clean Up SOP #: Florisil

Matrix : Solid

Weigh By: EH

Balance check: EH

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 11/19/2025

Extraction Start Time : 08:55

Extraction End Date : 11/19/2025

Extraction End Time : 12:00

Concentration By: EH

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	500 PPB	PP24766
Surrogate	1.0ML	200 PPB	PP24663
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2660
Baked Na2SO4	N/A	EP2655
Sand	N/A	E3951
Hexane	N/A	E3984
Florisil	N/A	E3976
9:1 Hexane:Acetone Mixture	N/A	EP2644
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:

40ML Vial Lot # 03-40BTS721.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: N-EVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/19/25	RS (Ext lab)	R. Patel/PCBL
12:05	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB170628

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 11/19/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170628BL	PBLK628	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10			U3-1
PB170628BS	PLCS628	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10			2
Q3483-20	HW1025-PT-PEST-SOIL	PESTICIDE Group1	29.98	N/A	ritesh	Evelyn	10	A		3
Q3662-02	B3-0.0-1.0-20251117	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	A		4
Q3662-02MS	B3-0.0-1.0-20251117MS	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	A		5
Q3662-02MSD	B3-0.0-1.0-20251117MSD	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	A		6
Q3662-04	B3-0.0-1.0-20251117	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	A		U4-1
Q3664-01	ARS20-0001	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E	Concrete	2
Q3664-03	ARS20-0013	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E	Concrete	3
Q3664-05	291399	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	E	Concrete	4
Q3669-01	EO-01-11182025	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	F		5

RS 11/19

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

17062 8:55

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3664P **WorkList ID :** 193210 **Department :** Extraction **Date :** 11-19-2025 08:36:46

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3483-20	HW1025-PT-PEST-SOIL	Solid	PESTICIDE Group1	Cool 4 deg C	ALLI03	QA Of	10/27/2025	8081B
Q3662-02	B3-0.0-1.0-20251117	Solid	Pesticide-TCL	Cool 4 deg C	HDRI08	D41	11/17/2025	8081B
Q3662-04	B3-0.0-1.0-20251117	Solid	Pesticide-TCL	Cool 4 deg C	HDRI08	D41	11/17/2025	8081B
Q3664-01	ARS20-0001	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	11/18/2025	8081B
Q3664-03	ARS20-0013	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	11/18/2025	8081B
Q3664-05	291399	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	11/18/2025	8081B
Q3669-01	EO-01-11182025	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	D41	11/18/2025	8081B

Date/Time 11/19/25 8:50
Raw Sample Received by: RJ (ExtLab)
Raw Sample Relinquished by:

Date/Time 11/19/25 9:20
Raw Sample Received by:
Raw Sample Relinquished by: RJ (ExtLab)

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LAB CHRONICLE

OrderID:	Q3662	**OrderDate:**	11/18/2025 11:14:00 AM
Client:	HDR, Inc.	**Project:**	PVWC Linear Construction
Contact:	Andrew Wadden	**Location:**	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3662-02	**B3-0.0-1.0-20251117**	**SOIL**			**11/17/25**			**11/18/25**
			PCB	8082A		11/19/25	11/19/25	
			Pesticide-TCL	8081B		11/19/25	11/19/25	
Q3662-04	**B1-0.0-1.0-20251117**	**SOIL**			**11/17/25**			**11/18/25**
			PCB	8082A		11/19/25	11/19/25	
			Pesticide-TCL	8081B		11/19/25	11/19/25	
			EPH_NF	NJEPH		11/19/25	11/19/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3662 **Order ID:** Q3662

Client: HDR, Inc. **Project ID:** PVWC Linear Construction

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: **0.000**

SAMPLE DATA

Raw Data: **PO115214.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/17/25
Project:	PVWC Linear Construction	Date Received:	11/18/25
Client Sample ID:	B3-0.0-1.0-20251117	SDG No.:	Q3662
Lab Sample ID:	Q3662-02	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	84.7
Sample Wt/Vol:	30.01 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date: 11/19/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	4.70	U	1	4.70	20.1	ug/kg	11/19/25 13:17	PB170627
11104-28-2	Aroclor-1221	4.80	U	1	4.80	20.1	ug/kg	11/19/25 13:17	PB170627
11141-16-5	Aroclor-1232	4.40	U	1	4.40	20.1	ug/kg	11/19/25 13:17	PB170627
53469-21-9	Aroclor-1242	4.70	U	1	4.70	20.1	ug/kg	11/19/25 13:17	PB170627
12672-29-6	Aroclor-1248	7.00	U	1	7.00	20.1	ug/kg	11/19/25 13:17	PB170627
11097-69-1	Aroclor-1254	3.80	U	1	3.80	20.1	ug/kg	11/19/25 13:17	PB170627
37324-23-5	Aroclor-1262	5.90	U	1	5.90	20.1	ug/kg	11/19/25 13:17	PB170627
11100-14-4	Aroclor-1268	4.20	U	1	4.20	20.1	ug/kg	11/19/25 13:17	PB170627
11096-82-5	Aroclor-1260	3.80	U	1	3.80	20.1	ug/kg	11/19/25 13:17	PB170627
SURROGATES									
877-09-8	Tetrachloro-m-xylene	19.6			30 (21) - 150 (165)	98%	SPK: 20		
2051-24-3	Decachlorobiphenyl	16.1			30 (10) - 150 (170)	81%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Raw Data: **PO115215.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/17/25
Project:	PVWC Linear Construction	Date Received:	11/18/25
Client Sample ID:	B1-0.0-1.0-20251117	SDG No.:	Q3662
Lab Sample ID:	Q3662-04	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	88.1
Sample Wt/Vol:	30.04 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date: 11/19/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	4.50	U	1	4.50	19.3	ug/kg	11/19/25 13:35	PB170627
11104-28-2	Aroclor-1221	4.60	U	1	4.60	19.3	ug/kg	11/19/25 13:35	PB170627
11141-16-5	Aroclor-1232	4.20	U	1	4.20	19.3	ug/kg	11/19/25 13:35	PB170627
53469-21-9	Aroclor-1242	4.50	U	1	4.50	19.3	ug/kg	11/19/25 13:35	PB170627
12672-29-6	Aroclor-1248	6.70	U	1	6.70	19.3	ug/kg	11/19/25 13:35	PB170627
11097-69-1	Aroclor-1254	3.60	U	1	3.60	19.3	ug/kg	11/19/25 13:35	PB170627
37324-23-5	Aroclor-1262	5.70	U	1	5.70	19.3	ug/kg	11/19/25 13:35	PB170627
11100-14-4	Aroclor-1268	4.10	U	1	4.10	19.3	ug/kg	11/19/25 13:35	PB170627
11096-82-5	Aroclor-1260	3.70	U	1	3.70	19.3	ug/kg	11/19/25 13:35	PB170627
SURROGATES									
877-09-8	Tetrachloro-m-xylene	19.6			30 (21) - 150 (165)	98%	SPK: 20		
2051-24-3	Decachlorobiphenyl	17.4			30 (10) - 150 (170)	87%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: Q3662

Client: HDR, Inc.

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PO114870.D	PIBLK-PO114870.D	Tetrachloro-m-xyl	1	20	15.5	77		70 (60)	130 (140)
		Decachlorobiphen	1	20	16.8	84		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	16.2	81		70 (60)	130 (140)
		Decachlorobiphen	2	20	17.3	86		70 (60)	130 (140)
I.BLK-PO115209.D	PIBLK-PO115209.D	Tetrachloro-m-xyl	1	20	25.2	126		70 (60)	130 (140)
		Decachlorobiphen	1	20	26.6	133	*	70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	24.7	124		70 (60)	130 (140)
		Decachlorobiphen	2	20	27.3	136	*	70 (60)	130 (140)
Q3662-02	B3-0.0-1.0-20251117	Tetrachloro-m-xyl	1	20	18.4	92		30 (21)	150 (165)
		Decachlorobiphen	1	20	15.1	75		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	19.6	98		30 (21)	150 (165)
		Decachlorobiphen	2	20	16.1	81		30 (10)	150 (170)
Q3662-04	B1-0.0-1.0-20251117	Tetrachloro-m-xyl	1	20	18.5	93		30 (21)	150 (165)
		Decachlorobiphen	1	20	17.4	87		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	19.6	98		30 (21)	150 (165)
		Decachlorobiphen	2	20	14.7	73		30 (10)	150 (170)
I.BLK-PO115224.D	PIBLK-PO115224.D	Tetrachloro-m-xyl	1	20	22.5	112		70 (60)	130 (140)
		Decachlorobiphen	1	20	22.6	113		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	22.2	111		70 (60)	130 (140)
		Decachlorobiphen	2	20	23.2	116		70 (60)	130 (140)
I.BLK-PQ071272.D	PIBLK-PQ071272.D	Tetrachloro-m-xyl	1	20	21.9	110		70 (60)	130 (140)
		Decachlorobiphen	1	20	22.2	111		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	22.2	111		70 (60)	130 (140)
		Decachlorobiphen	2	20	21.7	109		70 (60)	130 (140)
I.BLK-PQ071333.D	PIBLK-PQ071333.D	Tetrachloro-m-xyl	1	20	22.8	114		70 (60)	130 (140)
		Decachlorobiphen	1	20	22.9	115		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	26.5	132	*	70 (60)	130 (140)
		Decachlorobiphen	2	20	25.6	128		70 (60)	130 (140)
PB170627BL	PB170627BL	Tetrachloro-m-xyl	1	20	18.4	92		30 (21)	150 (165)
		Decachlorobiphen	1	20	18.6	93		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	21.5	107		30 (21)	150 (165)
		Decachlorobiphen	2	20	21.0	105		30 (10)	150 (170)
PB170627BS	PB170627BS	Tetrachloro-m-xyl	1	20	18.6	93		30 (21)	150 (165)
		Decachlorobiphen	1	20	18.5	93		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	19.8	99		30 (21)	150 (165)
		Decachlorobiphen	2	20	20.5	102		30 (10)	150 (170)
Q3669-01MS	EO-01-11182025MS	Tetrachloro-m-xyl	1	20	10.9	54		30 (21)	150 (165)
		Decachlorobiphen	1	20	12.2	61		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	12.7	64		30 (21)	150 (165)
		Decachlorobiphen	2	20	8.99	45		30 (10)	150 (170)
Q3669-01MSD	EO-01-11182025MSD	Tetrachloro-m-xyl	1	20	11.1	56		30 (21)	150 (165)

( ) = LABORATORY INHOUSE LIMIT

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Surrogate Summary

SDG No.: Q3662

Client: HDR, Inc.

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
Q3669-01MSD	EO-01-11182025MSD	Decachlorobiphen	1	20	12.2	61		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	13.1	65		30 (21)	150 (165)
		Decachlorobiphen	2	20	8.74	44		30 (10)	150 (170)
I.BLK-PQ071345.D	PIBLK-PQ071345.D	Tetrachloro-m-xyl	1	20	22.1	111		70 (60)	130 (140)
		Decachlorobiphen	1	20	20.1	101		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	25.9	129		70 (60)	130 (140)
		Decachlorobiphen	2	20	21.3	106		70 (60)	130 (140)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3662 **Analytical Method:** 8082A

Client: HDR, Inc. **DataFile :** PQ071340.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID:	**Q3669-01MS (Column 1)**	**Client Sample ID:**		**EO-01-11182025MS**								
	AR1016	179	0	90.2	ug/kg	50				40 (39)	140 (159)	
	AR1260	179	0	86.2	ug/kg	48				40 (19)	140 (160)	
Lab Sample ID:	**Q3669-01MS (Column 2)**	**Client Sample ID:**		**EO-01-11182025MS**								
	AR1016	179	0	101	ug/kg	56				40 (39)	140 (159)	
	AR1260	179	0	85.2	ug/kg	48				40 (19)	140 (160)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3662 **Analytical Method:** 8082A

Client: HDR, Inc. **DataFile :** PQ071341.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID:	**Q3669-01MSD (Column 1)**	**Client Sample ID:**		**EO-01-11182025MSD**								
	AR1016	179.3	0	91.7	ug/kg	51		2		40 (39)	140 (159)	30 (21)
	AR1260	179.3	0	85.4	ug/kg	48		0		40 (19)	140 (160)	30 (15)
Lab Sample ID:	**Q3669-01MSD (Column 2)**	**Client Sample ID:**		**EO-01-11182025MSD**								
	AR1016	179.3	0	101	ug/kg	56		0		40 (39)	140 (159)	30 (21)
	AR1260	179.3	0	85.0	ug/kg	47		2		40 (19)	140 (160)	30 (15)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3662 **Analytical Method:** 8082A

Client: HDR, Inc. **Datafile :** PQ071335.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170627BS (Column 1)	AR1016	166.5	130	ug/kg	78				40 (71)	140 (120)	
	AR1260	166.5	123	ug/kg	74				40 (65)	140 (130)	
PB170627BS (Column 2)	AR1016	166.5	143	ug/kg	86				40 (71)	140 (120)	
	AR1260	166.5	141	ug/kg	85				40 (65)	140 (130)	

( ) = LABORATORY INHOUSE LIMIT

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4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB170627BL

Lab Name: Alliance | Contract: HDRI08

Lab Code: ACE | SDG NO.: Q3662

Lab Sample ID: PB170627BL | Lab File ID: PQ071334.D

Matrix: (soil/water) Solid | Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N | Date Extracted: 11/19/2025

Date Analyzed (1): 11/19/2025 | Date Analyzed (2): 11/19/2025

Time Analyzed (1): 13:34 | Time Analyzed (2): 13:34

Instrument ID (1): ECD_Q | Instrument ID (2): ECD_Q

GC Column (1): ZB-MR1 ID: 0.32 (mm) | GC Column (2): ZB-MR2 ID: 0.32 (mm)

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
B3-0.0-1.0-20251117	Q3662-02	PO115214.D	11/19/2025	11/19/2025
B1-0.0-1.0-20251117	Q3662-04	PO115215.D	11/19/2025	11/19/2025
PB170627BS	PB170627BS	PQ071335.D	11/19/2025	11/19/2025
EO-01-11182025MS	Q3669-01MS	PQ071340.D	11/19/2025	11/19/2025
EO-01-11182025MSD	Q3669-01MSD	PQ071341.D	11/19/2025	11/19/2025

COMMENTS:

QC SAMPLE DATA

Raw Data: **PQ071334.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	HDR, Inc.	Date Collected:	
Project:	PVWC Linear Construction	Date Received:	
Client Sample ID:	PB170627BL	SDG No.:	Q3662
Lab Sample ID:	PB170627BL	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol: 10000 uL	Test: PCB
Prep Method:	SW3541B	Prep Date: 11/19/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	3.90	U	1	3.90	17.0	ug/kg	11/19/25 13:34	PB170627
11104-28-2	Aroclor-1221	4.00	U	1	4.00	17.0	ug/kg	11/19/25 13:34	PB170627
11141-16-5	Aroclor-1232	3.70	U	1	3.70	17.0	ug/kg	11/19/25 13:34	PB170627
53469-21-9	Aroclor-1242	4.00	U	1	4.00	17.0	ug/kg	11/19/25 13:34	PB170627
12672-29-6	Aroclor-1248	5.90	U	1	5.90	17.0	ug/kg	11/19/25 13:34	PB170627
11097-69-1	Aroclor-1254	3.20	U	1	3.20	17.0	ug/kg	11/19/25 13:34	PB170627
37324-23-5	Aroclor-1262	5.00	U	1	5.00	17.0	ug/kg	11/19/25 13:34	PB170627
11100-14-4	Aroclor-1268	3.60	U	1	3.60	17.0	ug/kg	11/19/25 13:34	PB170627
11096-82-5	Aroclor-1260	3.20	U	1	3.20	17.0	ug/kg	11/19/25 13:34	PB170627
SURROGATES									
877-09-8	Tetrachloro-m-xylene	21.5			30 (21) - 150 (165)	107%	SPK: 20		
2051-24-3	Decachlorobiphenyl	21.0			30 (10) - 150 (170)	105%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/04/25
Project:	PVWC Linear Construction	Date Received:	11/04/25
Client Sample ID:	PIBLK-PO114870.D	SDG No.:	Q3662
Lab Sample ID:	I.BLK-PO114870.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030 Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.097	U	1	0.097	0.50	ug/L	11/04/25	po110425
11104-28-2	Aroclor-1221	0.13	U	1	0.13	0.50	ug/L	11/04/25	po110425
11141-16-5	Aroclor-1232	0.096	U	1	0.096	0.50	ug/L	11/04/25	po110425
53469-21-9	Aroclor-1242	0.12	U	1	0.12	0.50	ug/L	11/04/25	po110425
12672-29-6	Aroclor-1248	0.071	U	1	0.071	0.50	ug/L	11/04/25	po110425
11097-69-1	Aroclor-1254	0.094	U	1	0.094	0.50	ug/L	11/04/25	po110425
11096-82-5	Aroclor-1260	0.081	U	1	0.081	0.50	ug/L	11/04/25	po110425
37324-23-5	Aroclor-1262	0.14	U	1	0.14	0.50	ug/L	11/04/25	po110425
11100-14-4	Aroclor-1268	0.11	U	1	0.11	0.50	ug/L	11/04/25	po110425
SURROGATES									
877-09-8	Tetrachloro-m-xylene	15.5			70 (60) - 130 (140)	77%	SPK: 20		
2051-24-3	Decachlorobiphenyl	16.8			70 (60) - 130 (140)	84%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/19/25
Project:	PVWC Linear Construction	Date Received:	11/19/25
Client Sample ID:	PIBLK-PO115209.D	SDG No.:	Q3662
Lab Sample ID:	I.BLK-PO115209.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030 Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.097	U	1	0.097	0.50	ug/L	11/19/25	PO111925
11104-28-2	Aroclor-1221	0.13	U	1	0.13	0.50	ug/L	11/19/25	PO111925
11141-16-5	Aroclor-1232	0.096	U	1	0.096	0.50	ug/L	11/19/25	PO111925
53469-21-9	Aroclor-1242	0.12	U	1	0.12	0.50	ug/L	11/19/25	PO111925
12672-29-6	Aroclor-1248	0.071	U	1	0.071	0.50	ug/L	11/19/25	PO111925
11097-69-1	Aroclor-1254	0.094	U	1	0.094	0.50	ug/L	11/19/25	PO111925
11096-82-5	Aroclor-1260	0.081	U	1	0.081	0.50	ug/L	11/19/25	PO111925
37324-23-5	Aroclor-1262	0.14	U	1	0.14	0.50	ug/L	11/19/25	PO111925
11100-14-4	Aroclor-1268	0.11	U	1	0.11	0.50	ug/L	11/19/25	PO111925
SURROGATES									
877-09-8	Tetrachloro-m-xylene	24.7			70 (60) - 130 (140)	124%	SPK: 20		
2051-24-3	Decachlorobiphenyl	26.6	*		70 (60) - 130 (140)	133%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/19/25
Project:	PVWC Linear Construction	Date Received:	11/19/25
Client Sample ID:	PIBLK-PO115224.D	SDG No.:	Q3662
Lab Sample ID:	I.BLK-PO115224.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030 Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.097	U	1	0.097	0.50	ug/L	11/19/25	PO111925
11104-28-2	Aroclor-1221	0.13	U	1	0.13	0.50	ug/L	11/19/25	PO111925
11141-16-5	Aroclor-1232	0.096	U	1	0.096	0.50	ug/L	11/19/25	PO111925
53469-21-9	Aroclor-1242	0.12	U	1	0.12	0.50	ug/L	11/19/25	PO111925
12672-29-6	Aroclor-1248	0.071	U	1	0.071	0.50	ug/L	11/19/25	PO111925
11097-69-1	Aroclor-1254	0.094	U	1	0.094	0.50	ug/L	11/19/25	PO111925
11096-82-5	Aroclor-1260	0.081	U	1	0.081	0.50	ug/L	11/19/25	PO111925
37324-23-5	Aroclor-1262	0.14	U	1	0.14	0.50	ug/L	11/19/25	PO111925
11100-14-4	Aroclor-1268	0.11	U	1	0.11	0.50	ug/L	11/19/25	PO111925
SURROGATES									
877-09-8	Tetrachloro-m-xylene	22.2			70 (60) - 130 (140)	111%	SPK: 20		
2051-24-3	Decachlorobiphenyl	22.6			70 (60) - 130 (140)	113%	SPK: 20		

U = Not Detected
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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/18/25
Project:	PVWC Linear Construction	Date Received:	11/18/25
Client Sample ID:	PIBLK-PQ071272.D	SDG No.:	Q3662
Lab Sample ID:	I.BLK-PQ071272.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030 Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.097	U	1	0.097	0.50	ug/L	11/18/25	PQ111825
11104-28-2	Aroclor-1221	0.13	U	1	0.13	0.50	ug/L	11/18/25	PQ111825
11141-16-5	Aroclor-1232	0.096	U	1	0.096	0.50	ug/L	11/18/25	PQ111825
53469-21-9	Aroclor-1242	0.12	U	1	0.12	0.50	ug/L	11/18/25	PQ111825
12672-29-6	Aroclor-1248	0.071	U	1	0.071	0.50	ug/L	11/18/25	PQ111825
11097-69-1	Aroclor-1254	0.094	U	1	0.094	0.50	ug/L	11/18/25	PQ111825
11096-82-5	Aroclor-1260	0.081	U	1	0.081	0.50	ug/L	11/18/25	PQ111825
37324-23-5	Aroclor-1262	0.14	U	1	0.14	0.50	ug/L	11/18/25	PQ111825
11100-14-4	Aroclor-1268	0.11	U	1	0.11	0.50	ug/L	11/18/25	PQ111825
SURROGATES									
877-09-8	Tetrachloro-m-xylene	21.9			70 (60) - 130 (140)	110%	SPK: 20		
2051-24-3	Decachlorobiphenyl	21.7			70 (60) - 130 (140)	109%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/19/25
Project:	PVWC Linear Construction	Date Received:	11/19/25
Client Sample ID:	PIBLK-PQ071333.D	SDG No.:	Q3662
Lab Sample ID:	I.BLK-PQ071333.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030 Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.097	U	1	0.097	0.50	ug/L	11/19/25	pq111925
11104-28-2	Aroclor-1221	0.13	U	1	0.13	0.50	ug/L	11/19/25	pq111925
11141-16-5	Aroclor-1232	0.096	U	1	0.096	0.50	ug/L	11/19/25	pq111925
53469-21-9	Aroclor-1242	0.12	U	1	0.12	0.50	ug/L	11/19/25	pq111925
12672-29-6	Aroclor-1248	0.071	U	1	0.071	0.50	ug/L	11/19/25	pq111925
11097-69-1	Aroclor-1254	0.094	U	1	0.094	0.50	ug/L	11/19/25	pq111925
11096-82-5	Aroclor-1260	0.081	U	1	0.081	0.50	ug/L	11/19/25	pq111925
37324-23-5	Aroclor-1262	0.14	U	1	0.14	0.50	ug/L	11/19/25	pq111925
11100-14-4	Aroclor-1268	0.11	U	1	0.11	0.50	ug/L	11/19/25	pq111925
SURROGATES									
877-09-8	Tetrachloro-m-xylene	22.8			70 (60) - 130 (140)	114%	SPK: 20		
2051-24-3	Decachlorobiphenyl	22.9			70 (60) - 130 (140)	115%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/19/25
Project:	PVWC Linear Construction	Date Received:	11/19/25
Client Sample ID:	PIBLK-PQ071345.D	SDG No.:	Q3662
Lab Sample ID:	I.BLK-PQ071345.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030 Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.097	U	1	0.097	0.50	ug/L	11/19/25	pq111925
11104-28-2	Aroclor-1221	0.13	U	1	0.13	0.50	ug/L	11/19/25	pq111925
11141-16-5	Aroclor-1232	0.096	U	1	0.096	0.50	ug/L	11/19/25	pq111925
53469-21-9	Aroclor-1242	0.12	U	1	0.12	0.50	ug/L	11/19/25	pq111925
12672-29-6	Aroclor-1248	0.071	U	1	0.071	0.50	ug/L	11/19/25	pq111925
11097-69-1	Aroclor-1254	0.094	U	1	0.094	0.50	ug/L	11/19/25	pq111925
11096-82-5	Aroclor-1260	0.081	U	1	0.081	0.50	ug/L	11/19/25	pq111925
37324-23-5	Aroclor-1262	0.14	U	1	0.14	0.50	ug/L	11/19/25	pq111925
11100-14-4	Aroclor-1268	0.11	U	1	0.11	0.50	ug/L	11/19/25	pq111925
SURROGATES									
877-09-8	Tetrachloro-m-xylene	22.1			70 (60) - 130 (140)	111%	SPK: 20		
2051-24-3	Decachlorobiphenyl	20.1			70 (60) - 130 (140)	101%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Raw Data: **PQ071335.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	
Project:	PVWC Linear Construction	Date Received:	
Client Sample ID:	PB170627BS	SDG No.:	Q3662
Lab Sample ID:	PB170627BS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol: 10000 uL	Test: PCB
Prep Method:	SW3541B	Prep Date: 11/19/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	143		1	3.90	17.0	ug/kg	11/19/25 13:48	PB170627
11104-28-2	Aroclor-1221	4.00	U	1	4.00	17.0	ug/kg	11/19/25 13:48	PB170627
11141-16-5	Aroclor-1232	3.70	U	1	3.70	17.0	ug/kg	11/19/25 13:48	PB170627
53469-21-9	Aroclor-1242	4.00	U	1	4.00	17.0	ug/kg	11/19/25 13:48	PB170627
12672-29-6	Aroclor-1248	5.90	U	1	5.90	17.0	ug/kg	11/19/25 13:48	PB170627
11097-69-1	Aroclor-1254	3.20	U	1	3.20	17.0	ug/kg	11/19/25 13:48	PB170627
37324-23-5	Aroclor-1262	5.00	U	1	5.00	17.0	ug/kg	11/19/25 13:48	PB170627
11100-14-4	Aroclor-1268	3.60	U	1	3.60	17.0	ug/kg	11/19/25 13:48	PB170627
11096-82-5	Aroclor-1260	141		1	3.20	17.0	ug/kg	11/19/25 13:48	PB170627
SURROGATES									
877-09-8	Tetrachloro-m-xylene	19.8			30 (21) - 150 (165)	99%	SPK: 20		
2051-24-3	Decachlorobiphenyl	20.5			30 (10) - 150 (170)	102%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Raw Data: **PQ071340.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/18/25
Project:	PVWC Linear Construction	Date Received:	11/18/25
Client Sample ID:	EO-01-11182025MS	SDG No.:	Q3662
Lab Sample ID:	Q3669-01MS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	92.9
Sample Wt/Vol:	30.06 g	Final Vol: 10000 uL	Test: PCB
Prep Method:	SW3541B	Prep Date: 11/19/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	101		1	4.20	18.3	ug/kg	11/19/25 15:01	PB170627
11104-28-2	Aroclor-1221	4.30	U	1	4.30	18.3	ug/kg	11/19/25 15:01	PB170627
11141-16-5	Aroclor-1232	4.00	U	1	4.00	18.3	ug/kg	11/19/25 15:01	PB170627
53469-21-9	Aroclor-1242	4.30	U	1	4.30	18.3	ug/kg	11/19/25 15:01	PB170627
12672-29-6	Aroclor-1248	6.40	U	1	6.40	18.3	ug/kg	11/19/25 15:01	PB170627
11097-69-1	Aroclor-1254	3.40	U	1	3.40	18.3	ug/kg	11/19/25 15:01	PB170627
37324-23-5	Aroclor-1262	5.40	U	1	5.40	18.3	ug/kg	11/19/25 15:01	PB170627
11100-14-4	Aroclor-1268	3.90	U	1	3.90	18.3	ug/kg	11/19/25 15:01	PB170627
11096-82-5	Aroclor-1260	86.2		1	3.50	18.3	ug/kg	11/19/25 15:01	PB170627
SURROGATES									
877-09-8	Tetrachloro-m-xylene	12.7			30 (21) - 150 (165)	64%	SPK: 20		
2051-24-3	Decachlorobiphenyl	12.2			30 (10) - 150 (170)	61%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Raw Data: **PQ071341.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/18/25
Project:	PVWC Linear Construction	Date Received:	11/18/25
Client Sample ID:	EO-01-11182025MSD	SDG No.:	Q3662
Lab Sample ID:	Q3669-01MSD	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	92.9
Sample Wt/Vol:	30.02 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date: 11/19/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	101		1	4.20	18.3	ug/kg	11/19/25 15:16	PB170627
11104-28-2	Aroclor-1221	4.30	U	1	4.30	18.3	ug/kg	11/19/25 15:16	PB170627
11141-16-5	Aroclor-1232	4.00	U	1	4.00	18.3	ug/kg	11/19/25 15:16	PB170627
53469-21-9	Aroclor-1242	4.30	U	1	4.30	18.3	ug/kg	11/19/25 15:16	PB170627
12672-29-6	Aroclor-1248	6.40	U	1	6.40	18.3	ug/kg	11/19/25 15:16	PB170627
11097-69-1	Aroclor-1254	3.50	U	1	3.50	18.3	ug/kg	11/19/25 15:16	PB170627
37324-23-5	Aroclor-1262	5.40	U	1	5.40	18.3	ug/kg	11/19/25 15:16	PB170627
11100-14-4	Aroclor-1268	3.90	U	1	3.90	18.3	ug/kg	11/19/25 15:16	PB170627
11096-82-5	Aroclor-1260	85.4		1	3.50	18.3	ug/kg	11/19/25 15:16	PB170627
SURROGATES									
877-09-8	Tetrachloro-m-xylene	13.1			30 (21) - 150 (165)	65%	SPK: 20		
2051-24-3	Decachlorobiphenyl	12.2			30 (10) - 150 (170)	61%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CALIBRATION SUMMARY

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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

Instrument ID: ECD_O **Calibration Date(s):** 11/04/2025 11/04/2025

Calibration Times: 09:39 18:31

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PO114871.D RT 750 = PO114872.D

RT 500 = PO114873.D RT 250 = PO114874.D RT 050 = PO114875.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.49	5.49	5.49	5.49	5.49	5.49	5.39	5.59
Aroclor-1016-2	(2)	5.51	5.51	5.51	5.51	5.51	5.51	5.41	5.61
Aroclor-1016-3	(3)	5.57	5.57	5.57	5.57	5.57	5.57	5.47	5.67
Aroclor-1016-4	(4)	5.67	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1016-5	(5)	5.96	5.96	5.96	5.96	5.96	5.96	5.86	6.06
Aroclor-1260-1	(1)	7.07	7.07	7.07	7.07	7.07	7.07	6.97	7.17
Aroclor-1260-2	(2)	7.33	7.33	7.33	7.33	7.33	7.33	7.23	7.43
Aroclor-1260-3	(3)	7.68	7.68	7.68	7.68	7.68	7.68	7.58	7.78
Aroclor-1260-4	(4)	7.90	7.90	7.90	7.90	7.90	7.90	7.80	8.00
Aroclor-1260-5	(5)	8.21	8.21	8.21	8.21	8.21	8.21	8.11	8.31
Decachlorobiphenyl		9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03
Tetrachloro-m-xylene		4.35	4.35	4.35	4.35	4.35	4.35	4.25	4.45
Aroclor-1242-1	(1)	5.49	5.49	5.49	5.49	5.49	5.49	5.39	5.59
Aroclor-1242-2	(2)	5.51	5.51	5.51	5.51	5.51	5.51	5.41	5.61
Aroclor-1242-3	(3)	5.57	5.57	5.57	5.57	5.57	5.57	5.47	5.67
Aroclor-1242-4	(4)	5.67	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1242-5	(5)	6.39	6.39	6.39	6.39	6.39	6.39	6.29	6.49
Decachlorobiphenyl		9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03
Tetrachloro-m-xylene		4.35	4.35	4.35	4.35	4.35	4.35	4.25	4.45
Aroclor-1248-1	(1)	5.49	5.49	5.49	5.49	5.49	5.49	5.39	5.59
Aroclor-1248-2	(2)	5.76	5.76	5.76	5.76	5.76	5.76	5.66	5.86
Aroclor-1248-3	(3)	5.96	5.96	5.96	5.96	5.96	5.96	5.86	6.06
Aroclor-1248-4	(4)	6.35	6.36	6.35	6.35	6.36	6.35	6.25	6.45
Aroclor-1248-5	(5)	6.39	6.39	6.39	6.39	6.39	6.39	6.29	6.49
Decachlorobiphenyl		9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03
Tetrachloro-m-xylene		4.35	4.35	4.35	4.35	4.35	4.35	4.25	4.45
Aroclor-1254-1	(1)	6.33	6.33	6.33	6.33	6.33	6.33	6.23	6.43
Aroclor-1254-2	(2)	6.55	6.55	6.55	6.55	6.55	6.55	6.45	6.65
Aroclor-1254-3	(3)	6.91	6.91	6.91	6.91	6.91	6.91	6.81	7.01
Aroclor-1254-4	(4)	7.19	7.19	7.19	7.19	7.19	7.19	7.09	7.29
Aroclor-1254-5	(5)	7.60	7.60	7.60	7.60	7.60	7.60	7.50	7.70
Decachlorobiphenyl		9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03
Tetrachloro-m-xylene		4.35	4.35	4.35	4.35	4.35	4.35	4.25	4.45
Aroclor-1268-1	(1)	8.51	8.51	8.51	8.51	8.51	8.51	8.41	8.61
Aroclor-1268-2	(2)	8.60	8.60	8.60	8.60	8.60	8.60	8.50	8.70
Aroclor-1268-3	(3)	8.82	8.82	8.82	8.82	8.82	8.82	8.72	8.92
Aroclor-1268-4	(4)	9.22	9.22	9.22	9.22	9.21	9.22	9.12	9.32
Aroclor-1268-5	(5)	9.61	9.61	9.61	9.61	9.61	9.61	9.51	9.71

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Fax : 908 789 8922

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03
Tetrachloro-m-xylene	4.35	4.35	4.35	4.35	4.35	4.35	4.25	4.45

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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Contract: HDRI08
Lab Code: ACE
SDG NO.: Q3662
Instrument ID: ECD_O
Calibration Date(s): 11/04/2025 11/04/2025
Calibration Times: 09:39 18:31

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PO114871.D RT 750 = PO114872.D
RT 500 = PO114873.D RT 250 = PO114874.D RT 050 = PO114875.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Aroclor-1016-2	(2)	4.75	4.75	4.75	4.75	4.75	4.75	4.65	4.85
Aroclor-1016-3	(3)	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1016-4	(4)	4.96	4.96	4.96	4.96	4.96	4.96	4.86	5.06
Aroclor-1016-5	(5)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1260-1	(1)	6.21	6.21	6.21	6.21	6.21	6.21	6.11	6.31
Aroclor-1260-2	(2)	6.39	6.39	6.39	6.39	6.39	6.39	6.29	6.49
Aroclor-1260-3	(3)	6.55	6.55	6.55	6.55	6.55	6.55	6.45	6.65
Aroclor-1260-4	(4)	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aroclor-1260-5	(5)	7.26	7.26	7.26	7.26	7.26	7.26	7.16	7.36
Decachlorobiphenyl		8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene		3.65	3.65	3.65	3.65	3.65	3.65	3.55	3.75
Aroclor-1242-1	(1)	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Aroclor-1242-2	(2)	4.75	4.75	4.75	4.75	4.75	4.75	4.65	4.85
Aroclor-1242-3	(3)	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1242-4	(4)	5.01	5.01	5.01	5.01	5.01	5.01	4.91	5.11
Aroclor-1242-5	(5)	5.53	5.53	5.53	5.53	5.53	5.53	5.43	5.63
Decachlorobiphenyl		8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene		3.65	3.65	3.65	3.65	3.65	3.65	3.55	3.75
Aroclor-1248-1	(1)	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Aroclor-1248-2	(2)	4.96	4.97	4.96	4.96	4.96	4.96	4.86	5.06
Aroclor-1248-3	(3)	5.01	5.01	5.01	5.01	5.01	5.01	4.91	5.11
Aroclor-1248-4	(4)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1248-5	(5)	5.57	5.57	5.57	5.57	5.57	5.57	5.47	5.67
Decachlorobiphenyl		8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene		3.65	3.65	3.65	3.65	3.65	3.65	3.55	3.75
Aroclor-1254-1	(1)	5.53	5.53	5.53	5.53	5.53	5.53	5.43	5.63
Aroclor-1254-2	(2)	5.68	5.68	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1254-3	(3)	6.08	6.08	6.08	6.08	6.08	6.08	5.98	6.18
Aroclor-1254-4	(4)	6.30	6.30	6.30	6.30	6.30	6.30	6.20	6.40
Aroclor-1254-5	(5)	6.72	6.72	6.72	6.72	6.72	6.72	6.62	6.82
Decachlorobiphenyl		8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene		3.65	3.65	3.65	3.65	3.65	3.65	3.55	3.75
Aroclor-1268-1	(1)	7.54	7.54	7.54	7.54	7.54	7.54	7.44	7.64
Aroclor-1268-2	(2)	7.61	7.61	7.61	7.61	7.61	7.61	7.51	7.71
Aroclor-1268-3	(3)	7.81	7.81	7.81	7.81	7.81	7.81	7.71	7.91
Aroclor-1268-4	(4)	8.10	8.10	8.10	8.10	8.10	8.10	8.00	8.20
Aroclor-1268-5	(5)	8.39	8.39	8.39	8.39	8.39	8.39	8.29	8.49

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene	3.65	3.65	3.65	3.65	3.65	3.65	3.55	3.75

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Fax : 908 789 8922

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_O

Contract: HDRI08
SDG NO.: Q3662
Calibration Date(s): 11/04/2025 11/04/2025
Calibration Times: 09:39 18:31

GC Column: ZB-MR1 **ID:** 0.32 (mm)

LAB FILE ID: CF 1000 = PO114871.D CF 750 = PO114872.D
CF 500 = PO114873.D CF 250 = PO114874.D CF 050 = PO114875.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	235183609	242405119	252300612	252330724	247880040	246020021	3
Aroclor-1016-2	(2)	380671765	391174169	403435360	408228592	401844700	397070917	3
Aroclor-1016-3	(3)	214892716	220811199	230510330	231508016	217282560	223000964	3
Aroclor-1016-4	(4)	180735079	184273587	191842228	192742164	194782360	188875084	3
Aroclor-1016-5	(5)	166479276	173610481	179587174	180772736	190536000	178197133	5
Aroclor-1260-1	(1)	291080181	301659089	311914366	329562032	293951540	305633442	5
Aroclor-1260-2	(2)	393658847	402595176	414352186	418536840	350242960	395877202	7
Aroclor-1260-3	(3)	331096941	340266576	347857958	348147780	291720640	331817979	7
Aroclor-1260-4	(4)	303823322	310642864	321126472	321507392	268000240	305020058	7
Aroclor-1260-5	(5)	714393776	724690244	737226162	719415648	670367440	713218654	3
Decachlorobiphenyl		4451734610	4516548787	4612561720	4524869360	3995527600	4420248415	6
Tetrachloro-m-xylene		7020403280	7162783533	7307727940	7156075200	6543618600	7038121711	4
Aroclor-1242-1	(1)	180395803	184480117	189796832	192180524	184350480	186240751	2
Aroclor-1242-2	(2)	290607708	295647931	305830174	302003732	299791360	298776181	2
Aroclor-1242-3	(3)	164449629	167684461	173929682	174410736	176369820	171368866	3
Aroclor-1242-4	(4)	136844790	140633719	146402846	139660276	152376540	143183634	4
Aroclor-1242-5	(5)	138362947	141839337	145002188	138385972	141196180	140957325	2
Decachlorobiphenyl		4729850460	4804993427	4858375920	4746069120	4160138600	4659885505	6
Tetrachloro-m-xylene		7348004600	7445204373	7532777260	7262019280	6694579200	7256516943	5
Aroclor-1248-1	(1)	130126160	135244476	137909000	141742196	154206600	139845686	6
Aroclor-1248-2	(2)	182893435	187680161	194064692	196392780	211353600	194476934	5
Aroclor-1248-3	(3)	203368877	206306241	213983954	212927108	217587500	210834736	3
Aroclor-1248-4	(4)	240181487	246210361	255848644	255957264	264773260	252594203	4
Aroclor-1248-5	(5)	225312398	230738423	239469078	240115800	243213880	235769916	3
Decachlorobiphenyl		4590720290	4647354867	4744288880	4661202760	4211361200	4570985599	5
Tetrachloro-m-xylene		7316541360	7442934853	7528054520	7402608560	7218400400	7381707939	2
Aroclor-1254-1	(1)	240591852	247416493	258765478	257075152	263299240	253429643	3
Aroclor-1254-2	(2)	346021204	353529297	371589652	368897016	412184820	370444398	7
Aroclor-1254-3	(3)	372893964	380446979	397009938	384293176	389678940	384864599	2
Aroclor-1254-4	(4)	315539209	321424513	336840998	326904952	342871860	328716306	3
Aroclor-1254-5	(5)	295373361	300690525	312155076	300474784	300573260	301853401	2
Decachlorobiphenyl		4791769470	4896862187	5061968640	4831244600	4661831200	4848735219	3
Tetrachloro-m-xylene		7410585440	7526809333	7802184660	7481754040	7408041400	7525874975	2
Aroclor-1268-1	(1)	876279188	885717404	893041022	887529864	813508780	871215252	4

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	748334854	756337347	765525536	759915712	702804360	746583562	3
Aroclor-1268-3	(3)	663299706	672085827	679866912	671661004	617886840	660960058	4
Aroclor-1268-4	(4)	274155738	277531193	282310020	282161716	286808980	280593529	2
Aroclor-1268-5	(5)	1966581606	1979440064	1985729368	1956798376	1807416340	1939193151	4
Decachlorobiphenyl		8288385350	8396434587	8504946880	8419357920	7722111200	8266247187	4
Tetrachloro-m-xylene		7475792880	7636683133	7655291620	7597134240	7121440400	7497268455	3

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_O

Contract: HDRI08
SDG NO.: Q3662
Calibration Date(s): 11/04/2025 11/04/2025
Calibration Times: 09:39 18:31

GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID: CF 1000 = PO114871.D CF 750 = PO114872.D
CF 500 = PO114873.D CF 250 = PO114874.D CF 050 = PO114875.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	178795127	185535456	193106802	200932132	192907960	190255495	4
Aroclor-1016-2	(2)	260787154	267435697	277593168	286495324	262010880	270864445	4
Aroclor-1016-3	(3)	140310175	144533207	150201526	154962192	149858780	147973176	4
Aroclor-1016-4	(4)	108607533	112021955	117721682	122827936	125909940	117417809	6
Aroclor-1016-5	(5)	142235561	147493437	153611756	157990124	162236540	152713484	5
Aroclor-1260-1	(1)	272865489	283696256	302549666	306994580	314431380	296107474	5
Aroclor-1260-2	(2)	410849028	420744668	440173148	441650472	436738740	430031211	3
Aroclor-1260-3	(3)	328919579	344471297	362206406	366201912	353957800	351151399	4
Aroclor-1260-4	(4)	295043629	302500340	313130718	316509244	287959420	303028670	4
Aroclor-1260-5	(5)	819932115	830411719	851082708	846532168	760181660	821628074	4
Decachlorobiphenyl		3768213910	3862452533	4051635320	3997632280	3839185200	3903823849	3
Tetrachloro-m-xylene		4444199150	4532189360	4610968540	4573862320	4172678600	4466779594	4
Aroclor-1242-1	(1)	138347633	144438088	149108388	148877560	150336280	146221590	3
Aroclor-1242-2	(2)	199908386	204961789	213926082	211880332	205062860	207147890	3
Aroclor-1242-3	(3)	108216818	112229521	116418372	113485296	109537600	111977521	3
Aroclor-1242-4	(4)	101919263	105301932	110004430	109236748	109193360	107131147	3
Aroclor-1242-5	(5)	135980897	140103160	145653410	150301700	142549620	142917757	4
Decachlorobiphenyl		4093300380	4301738307	4403735460	4338775160	4380898600	4303689581	3
Tetrachloro-m-xylene		4800115840	4683347560	4961464680	4527345840	4437059000	4681866584	4
Aroclor-1248-1	(1)	101027399	105625799	111262386	113093188	115539800	109309714	5
Aroclor-1248-2	(2)	136540550	142594189	148530518	152692968	164144180	148900481	7
Aroclor-1248-3	(3)	143887712	149887199	155474250	158349236	169440400	155407759	6
Aroclor-1248-4	(4)	171266913	177666692	184171754	187513908	195642380	183252329	5
Aroclor-1248-5	(5)	174649655	180220384	187038042	189642400	190092660	184328628	3
Decachlorobiphenyl		4076042330	4166088587	4290124020	4403270520	4144788800	4216062851	3
Tetrachloro-m-xylene		4758509080	4829545453	4892334280	4811209560	4727034000	4803726475	1
Aroclor-1254-1	(1)	275439068	284238351	300243386	299923620	341055960	300180077	8
Aroclor-1254-2	(2)	245333366	253279232	267984098	268318040	313122940	269607535	9
Aroclor-1254-3	(3)	398238109	410614839	430545692	426530308	445294740	422244738	4
Aroclor-1254-4	(4)	284785979	294895399	305027804	301955520	300306220	297394184	3
Aroclor-1254-5	(5)	385708423	392326712	409498118	398089984	402006780	397526003	2
Decachlorobiphenyl		4273373360	4367226933	4604811080	4533103920	4272134600	4410129979	3
Tetrachloro-m-xylene		4791085320	4887004773	5044010700	4876428000	4843036000	4888312959	2
Aroclor-1268-1	(1)	948830555	965398547	981732904	993582148	991082540	976125339	2

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	784312077	796694211	811227528	817006596	768929160	795633914	2
Aroclor-1268-3	(3)	672635507	681509284	695723330	696225136	632763280	675771307	4
Aroclor-1268-4	(4)	270862616	275402580	280086838	282372280	267609400	275266743	2
Aroclor-1268-5	(5)	1768544208	1786014605	1818457210	1831952004	1717683400	1784530285	2
Decachlorobiphenyl		7349980390	7437822467	7706201340	7861559120	8321979800	7735508623	5
Tetrachloro-m-xylene		4791521570	4902547960	4915920660	4883273320	4724156000	4843483902	2

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

Instrument ID: ECD_O **Date(s) Analyzed:** 11/04/2025 11/04/2025

GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.55	4.45	4.65	84124000
		2	4.63	4.53	4.73	60183600
		3	4.71	4.61	4.81	193335000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.71	4.61	4.81	150015000
		2	5.22	5.12	5.32	72567400
		3	5.51	5.41	5.61	158675000
		4	5.67	5.57	5.77	73795600
		5	5.76	5.66	5.86	51580600
Aroclor-1262	500	1	7.70	7.60	7.80	453404000
		2	8.23	8.13	8.33	707198000
		3	8.53	8.43	8.63	451420000
		4	8.62	8.52	8.72	336186000
		5	9.24	9.14	9.34	241816000

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

Instrument ID: ECD_O **Date(s) Analyzed:** 11/04/2025 11/04/2025

GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	3.86	3.76	3.96	61799200
		2	3.95	3.85	4.05	45637000
		3	4.02	3.92	4.12	140257000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.02	3.92	4.12	111493000
		2	4.75	4.65	4.85	112095000
		3	4.92	4.82	5.02	59654200
		4	5.01	4.91	5.11	50889000
		5	5.18	5.08	5.28	56587600
Aroclor-1262	500	1	6.76	6.66	6.86	494206000
		2	7.26	7.16	7.36	795090000
		3	7.54	7.44	7.64	329028000
		4	7.61	7.51	7.71	538192000
		5	8.10	8.00	8.20	238020000

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Contract: HDRI08
Lab Code: ACE
SDG NO.: Q3662
Instrument ID: ECD_Q
Calibration Date(s): 11/18/2025 11/18/2025
Calibration Times: 12:13 17:52

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PQ071273.D RT 750 = PQ071274.D
RT 500 = PQ071275.D RT 250 = PQ071276.D RT 050 = PQ071277.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.50	4.50	4.50	4.50	4.52	4.50	4.40	4.60
Aroclor-1016-2	(2)	4.52	4.52	4.52	4.52	4.53	4.52	4.42	4.62
Aroclor-1016-3	(3)	4.57	4.57	4.57	4.57	4.59	4.58	4.48	4.68
Aroclor-1016-4	(4)	4.66	4.66	4.66	4.66	4.68	4.67	4.57	4.77
Aroclor-1016-5	(5)	4.95	4.95	4.95	4.95	4.97	4.95	4.85	5.05
Aroclor-1260-1	(1)	6.04	6.04	6.04	6.04	6.06	6.05	5.95	6.15
Aroclor-1260-2	(2)	6.30	6.30	6.30	6.30	6.32	6.30	6.20	6.40
Aroclor-1260-3	(3)	6.65	6.65	6.65	6.65	6.67	6.66	6.56	6.76
Aroclor-1260-4	(4)	6.87	6.87	6.87	6.87	6.89	6.87	6.77	6.97
Aroclor-1260-5	(5)	7.18	7.18	7.18	7.18	7.19	7.18	7.08	7.28
Decachlorobiphenyl		8.54	8.54	8.54	8.54	8.56	8.54	8.44	8.64
Tetrachloro-m-xylene		3.41	3.41	3.41	3.41	3.43	3.41	3.31	3.51

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

Instrument ID: ECD_Q **Calibration Date(s):** 11/18/2025 11/18/2025

Calibration Times: 12:13 17:52

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PQ071273.D RT 750 = PQ071274.D

RT 500 = PQ071275.D RT 250 = PQ071276.D RT 050 = PQ071277.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	3.87	3.87	3.87	3.87	3.87	3.87	3.77	3.97
Aroclor-1016-2	(2)	3.89	3.89	3.89	3.89	3.89	3.89	3.79	3.99
Aroclor-1016-3	(3)	4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15
Aroclor-1016-4	(4)	4.10	4.10	4.10	4.10	4.10	4.10	4.00	4.20
Aroclor-1016-5	(5)	4.30	4.30	4.30	4.30	4.30	4.30	4.20	4.40
Aroclor-1260-1	(1)	5.30	5.30	5.30	5.30	5.30	5.30	5.20	5.40
Aroclor-1260-2	(2)	5.49	5.49	5.49	5.49	5.49	5.49	5.39	5.59
Aroclor-1260-3	(3)	5.63	5.63	5.63	5.63	5.63	5.63	5.53	5.73
Aroclor-1260-4	(4)	6.09	6.09	6.09	6.09	6.10	6.09	5.99	6.19
Aroclor-1260-5	(5)	6.34	6.34	6.34	6.34	6.34	6.34	6.24	6.44
Decachlorobiphenyl		7.66	7.66	7.66	7.66	7.67	7.66	7.56	7.76
Tetrachloro-m-xylene		2.86	2.86	2.86	2.86	2.86	2.86	2.76	2.96

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_Q

Contract: HDRI08
SDG NO.: Q3662
Calibration Date(s): 11/18/2025 11/18/2025
Calibration Times: 12:13 17:52

GC Column: ZB-MR1 **ID:** 0.32 (mm)

LAB FILE ID: CF 1000 = PQ071273.D CF 750 = PQ071274.D
CF 500 = PQ071275.D CF 250 = PQ071276.D CF 050 = PQ071277.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	311209443	325306409	334960420	370775688	310495920	330549576	7
Aroclor-1016-2	(2)	454956483	483617911	488216998	532284408	419023680	475619896	9
Aroclor-1016-3	(3)	281433085	296253320	305626516	333395192	275584660	298458555	8
Aroclor-1016-4	(4)	234302490	247746569	253468024	274270176	217948160	245547084	9
Aroclor-1016-5	(5)	227588399	240337467	244778336	266881628	202488280	236414822	10
Aroclor-1260-1	(1)	403697389	422049059	431530760	470973172	509235360	447497148	9
Aroclor-1260-2	(2)	484063668	508755839	518003726	565534068	478211840	510913828	7
Aroclor-1260-3	(3)	363748675	381918643	387953578	420676408	359371540	382733769	6
Aroclor-1260-4	(4)	401463798	418074460	426123752	460070296	384990780	418144617	7
Aroclor-1260-5	(5)	815891195	848908912	857360548	908709984	730318200	832237768	8
Decachlorobiphenyl		6030880380	6352203200	6158598760	6987849240	5778207800	6261547876	7
Tetrachloro-m-xylene		8546006460	8858225840	8899975320	9586516600	7635115600	8705167964	8

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_Q

Contract: HDRI08
SDG NO.: Q3662
Calibration Date(s): 11/18/2025 11/18/2025
Calibration Times: 12:13 17:52

GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID: CF 1000 = PQ071273.D CF 750 = PQ071274.D
CF 500 = PQ071275.D CF 250 = PQ071276.D CF 050 = PQ071277.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	332630983	356211511	365223582	399854352	356694960	362123078	7
Aroclor-1016-2	(2)	469915964	498445101	508986280	558587480	419976800	491182325	10
Aroclor-1016-3	(3)	261212829	276527187	282397422	312410520	257410940	277991780	8
Aroclor-1016-4	(4)	206335378	219784485	225788532	249141124	220190920	224248088	7
Aroclor-1016-5	(5)	261975238	278879635	287126196	315646164	249213060	278568059	9
Aroclor-1260-1	(1)	470834211	499030651	506558908	553760816	464449480	498926813	7
Aroclor-1260-2	(2)	578885125	611817109	624534876	679410500	537231520	606375826	9
Aroclor-1260-3	(3)	569533507	586805373	600799622	662489508	536292560	591184114	8
Aroclor-1260-4	(4)	474748397	501533260	509116144	552472196	439023960	495378791	9
Aroclor-1260-5	(5)	1113907697	1165903804	1178172802	1262924788	1020520040	1148285826	8
Decachlorobiphenyl		8663334660	9173331373	9334286420	10163392120	8354125200	9137693955	8
Tetrachloro-m-xylene		9084208260	9541859853	9573016560	10330655880	8153694800	9336687071	9

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

Instrument ID: ECD_Q **Date(s) Analyzed:** 11/18/2025 11/18/2025

GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	3.62	3.52	3.72	108487000
		2	3.70	3.60	3.80	79330000
		3	3.77	3.67	3.87	243616000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	3.76	3.66	3.86	197386000
		2	4.24	4.14	4.34	102466000
		3	4.52	4.42	4.62	207190000
		4	4.67	4.57	4.77	103833000
		5	4.81	4.71	4.91	84473000
Aroclor-1242	500	1	4.50	4.40	4.60	260736000
		2	4.52	4.42	4.62	380776000
		3	4.58	4.48	4.68	243244000
		4	4.67	4.57	4.77	194314000
		5	5.34	5.24	5.44	199781000
Aroclor-1248	500	1	4.50	4.40	4.60	190494000
		2	4.76	4.66	4.86	243288000
		3	4.95	4.85	5.05	293826000
		4	5.31	5.21	5.41	262878000
		5	5.34	5.24	5.44	338346000
Aroclor-1254	500	1	5.31	5.21	5.41	347360000
		2	5.53	5.43	5.63	541824000
		3	5.88	5.78	5.98	575830000
		4	6.16	6.06	6.26	422490000
		5	6.57	6.47	6.67	459632000
Aroclor-1262	500	1	6.87	6.77	6.97	466646000
		2	7.18	7.08	7.28	850324000
		3	7.45	7.35	7.55	560870000
		4	7.52	7.42	7.62	438268000
		5	8.02	7.92	8.12	283976000
Aroclor-1268	500	1	7.45	7.35	7.55	1020760000
		2	7.53	7.43	7.63	946750000
		3	7.71	7.61	7.81	777898000
		4	8.02	7.92	8.12	338330000
		5	8.31	8.21	8.41	2294740000

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

Instrument ID: ECD_Q **Date(s) Analyzed:** 11/18/2025 11/18/2025

GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	3.06	2.96	3.16	114922000
		2	3.14	3.04	3.24	85299000
		3	3.21	3.11	3.31	258550000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	3.21	3.11	3.31	212032000
		2	3.89	3.79	3.99	216600000
		3	4.05	3.95	4.15	118883000
		4	4.14	4.04	4.24	93895400
		5	4.30	4.20	4.40	108074000
Aroclor-1242	500	1	3.87	3.77	3.97	289516000
		2	3.89	3.79	3.99	402834000
		3	4.05	3.95	4.15	233896000
		4	4.14	4.04	4.24	199829000
		5	4.64	4.54	4.74	263286000
Aroclor-1248	500	1	3.87	3.77	3.97	212876000
		2	4.10	4.00	4.20	284018000
		3	4.14	4.04	4.24	280112000
		4	4.30	4.20	4.40	346384000
		5	4.67	4.57	4.77	348638000
Aroclor-1254	500	1	4.64	4.54	4.74	535868000
		2	4.78	4.68	4.88	458782000
		3	5.17	5.07	5.27	759300000
		4	5.39	5.29	5.49	499818000
		5	5.80	5.70	5.90	692230000
Aroclor-1262	500	1	5.85	5.75	5.95	639510000
		2	6.09	5.99	6.19	594340000
		3	6.62	6.52	6.72	477658000
		4	6.68	6.58	6.78	894350000
		5	7.17	7.07	7.27	428332000
Aroclor-1268	500	1	6.62	6.52	6.72	1440040000
		2	6.68	6.58	6.78	1347710000
		3	6.88	6.78	6.98	1135760000
		4	7.17	7.07	7.27	507132000
		5	7.44	7.34	7.54	3541520000

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

Continuing Calib Date: 11/19/2025 **Initial Calibration Date(s):** 11/04/2025 11/04/2025

Continuing Calib Time: 09:38 **Initial Calibration Time(s):** 09:39 18:31

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.48	5.49	5.39	5.59	0.01
Aroclor-1016-2	(2)	5.50	5.51	5.41	5.61	0.01
Aroclor-1016-3	(3)	5.56	5.57	5.47	5.67	0.01
Aroclor-1016-4	(4)	5.66	5.67	5.57	5.77	0.01
Aroclor-1016-5	(5)	5.95	5.96	5.86	6.06	0.01
Aroclor-1260-1	(1)	7.06	7.07	6.97	7.17	0.01
Aroclor-1260-2	(2)	7.32	7.33	7.23	7.43	0.01
Aroclor-1260-3	(3)	7.68	7.68	7.58	7.78	0.00
Aroclor-1260-4	(4)	7.90	7.90	7.80	8.00	0.00
Aroclor-1260-5	(5)	8.20	8.21	8.11	8.31	0.01
Tetrachloro-m-xylene		4.34	4.35	4.25	4.45	0.01
Decachlorobiphenyl		9.92	9.93	9.83	10.03	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

Continuing Calib Date: 11/19/2025 **Initial Calibration Date(s):** 11/04/2025 11/04/2025

Continuing Calib Time: 09:38 **Initial Calibration Time(s):** 09:39 18:31

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.72	4.73	4.63	4.83	0.01
Aroclor-1016-2	(2)	4.74	4.75	4.65	4.85	0.01
Aroclor-1016-3	(3)	4.92	4.92	4.82	5.02	0.01
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.17	5.18	5.08	5.28	0.01
Aroclor-1260-1	(1)	6.20	6.21	6.11	6.31	0.01
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.54	6.55	6.45	6.65	0.01
Aroclor-1260-4	(4)	7.01	7.02	6.92	7.12	0.01
Aroclor-1260-5	(5)	7.25	7.26	7.16	7.36	0.01
Tetrachloro-m-xylene		3.65	3.65	3.55	3.75	0.01
Decachlorobiphenyl		8.63	8.64	8.54	8.74	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/04/2025 11/04/2025

Client Sample No.: CCAL01 **Date Analyzed:** 11/19/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO115205.D **Time Analyzed:** 09:38

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.481	5.387	5.587	549.520	500.000	9.9
Aroclor-1016-2	5.502	5.408	5.608	545.500	500.000	9.1
Aroclor-1016-3	5.564	5.470	5.670	574.770	500.000	15.0
Aroclor-1016-4	5.659	5.566	5.766	560.670	500.000	12.1
Aroclor-1016-5	5.951	5.858	6.058	536.370	500.000	7.3
Aroclor-1260-1	7.064	6.971	7.171	520.230	500.000	4.0
Aroclor-1260-2	7.318	7.225	7.425	559.820	500.000	12.0
Aroclor-1260-3	7.675	7.582	7.782	559.310	500.000	11.9
Aroclor-1260-4	7.897	7.803	8.003	542.930	500.000	8.6
Aroclor-1260-5	8.204	8.110	8.310	537.050	500.000	7.4
Decachlorobiphenyl	9.920	9.830	10.030	59.010	50.000	18.0
Tetrachloro-m-xylene	4.341	4.248	4.448	56.960	50.000	13.9

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/04/2025 11/04/2025

Client Sample No.: CCAL01 **Date Analyzed:** 11/19/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO115205.D **Time Analyzed:** 09:38

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.721	4.628	4.828	532.660	500.000	6.5
Aroclor-1016-2	4.740	4.647	4.847	529.490	500.000	5.9
Aroclor-1016-3	4.915	4.821	5.021	534.350	500.000	6.9
Aroclor-1016-4	4.957	4.864	5.064	532.560	500.000	6.5
Aroclor-1016-5	5.169	5.076	5.276	533.160	500.000	6.6
Aroclor-1260-1	6.198	6.106	6.306	494.860	500.000	-1.0
Aroclor-1260-2	6.386	6.294	6.494	477.740	500.000	-4.5
Aroclor-1260-3	6.539	6.446	6.646	492.290	500.000	-1.5
Aroclor-1260-4	7.009	6.917	7.117	505.920	500.000	1.2
Aroclor-1260-5	7.250	7.158	7.358	509.780	500.000	2.0
Decachlorobiphenyl	8.632	8.541	8.741	56.520	50.000	13.0
Tetrachloro-m-xylene	3.645	3.548	3.748	53.850	50.000	7.7

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

Continuing Calib Date: 11/19/2025 **Initial Calibration Date(s):** 11/04/2025 11/04/2025

Continuing Calib Time: 15:26 **Initial Calibration Time(s):** 09:39 18:31

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.48	5.49	5.39	5.59	0.01
Aroclor-1016-2	(2)	5.50	5.51	5.41	5.61	0.01
Aroclor-1016-3	(3)	5.56	5.57	5.47	5.67	0.01
Aroclor-1016-4	(4)	5.66	5.67	5.57	5.77	0.01
Aroclor-1016-5	(5)	5.95	5.96	5.86	6.06	0.01
Aroclor-1260-1	(1)	7.06	7.07	6.97	7.17	0.01
Aroclor-1260-2	(2)	7.32	7.33	7.23	7.43	0.01
Aroclor-1260-3	(3)	7.68	7.68	7.58	7.78	0.00
Aroclor-1260-4	(4)	7.90	7.90	7.80	8.00	0.00
Aroclor-1260-5	(5)	8.20	8.21	8.11	8.31	0.01
Tetrachloro-m-xylene		4.34	4.35	4.25	4.45	0.01
Decachlorobiphenyl		9.92	9.93	9.83	10.03	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

Continuing Calib Date: 11/19/2025 **Initial Calibration Date(s):** 11/04/2025 11/04/2025

Continuing Calib Time: 15:26 **Initial Calibration Time(s):** 09:39 18:31

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.72	4.73	4.63	4.83	0.01
Aroclor-1016-2	(2)	4.74	4.75	4.65	4.85	0.01
Aroclor-1016-3	(3)	4.92	4.92	4.82	5.02	0.01
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.17	5.18	5.08	5.28	0.01
Aroclor-1260-1	(1)	6.20	6.21	6.11	6.31	0.01
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.54	6.55	6.45	6.65	0.01
Aroclor-1260-4	(4)	7.01	7.02	6.92	7.12	0.01
Aroclor-1260-5	(5)	7.25	7.26	7.16	7.36	0.01
Tetrachloro-m-xylene		3.65	3.65	3.55	3.75	0.01
Decachlorobiphenyl		8.63	8.64	8.54	8.74	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/04/2025 11/04/2025

Client Sample No.: CCAL02 **Date Analyzed:** 11/19/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO115220.D **Time Analyzed:** 15:26

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.481	5.387	5.587	523.910	500.000	4.8
Aroclor-1016-2	5.502	5.408	5.608	514.450	500.000	2.9
Aroclor-1016-3	5.564	5.470	5.670	537.140	500.000	7.4
Aroclor-1016-4	5.660	5.566	5.766	525.560	500.000	5.1
Aroclor-1016-5	5.951	5.858	6.058	509.520	500.000	1.9
Aroclor-1260-1	7.064	6.971	7.171	490.940	500.000	-1.8
Aroclor-1260-2	7.318	7.225	7.425	523.640	500.000	4.7
Aroclor-1260-3	7.676	7.582	7.782	530.550	500.000	6.1
Aroclor-1260-4	7.897	7.803	8.003	509.250	500.000	1.9
Aroclor-1260-5	8.204	8.110	8.310	514.380	500.000	2.9
Decachlorobiphenyl	9.919	9.830	10.030	55.840	50.000	11.7
Tetrachloro-m-xylene	4.342	4.248	4.448	54.770	50.000	9.5

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/04/2025 11/04/2025

Client Sample No.: CCAL02 **Date Analyzed:** 11/19/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO115220.D **Time Analyzed:** 15:26

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.721	4.628	4.828	517.180	500.000	3.4
Aroclor-1016-2	4.741	4.647	4.847	505.300	500.000	1.1
Aroclor-1016-3	4.915	4.821	5.021	520.980	500.000	4.2
Aroclor-1016-4	4.957	4.864	5.064	519.780	500.000	4.0
Aroclor-1016-5	5.169	5.076	5.276	518.360	500.000	3.7
Aroclor-1260-1	6.199	6.106	6.306	469.130	500.000	-6.2
Aroclor-1260-2	6.386	6.294	6.494	453.920	500.000	-9.2
Aroclor-1260-3	6.539	6.446	6.646	464.350	500.000	-7.1
Aroclor-1260-4	7.009	6.917	7.117	468.040	500.000	-6.4
Aroclor-1260-5	7.251	7.158	7.358	474.470	500.000	-5.1
Decachlorobiphenyl	8.632	8.541	8.741	52.550	50.000	5.1
Tetrachloro-m-xylene	3.645	3.548	3.748	53.210	50.000	6.4

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

Continuing Calib Date: 11/19/2025 **Initial Calibration Date(s):** 11/18/2025 11/18/2025

Continuing Calib Time: 13:04 **Initial Calibration Time(s):** 12:13 17:52

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.50	4.50	4.40	4.60	0.00
Aroclor-1016-2	(2)	4.52	4.52	4.42	4.62	0.00
Aroclor-1016-3	(3)	4.57	4.57	4.47	4.67	0.00
Aroclor-1016-4	(4)	4.66	4.66	4.56	4.76	0.00
Aroclor-1016-5	(5)	4.95	4.95	4.85	5.05	0.00
Aroclor-1260-1	(1)	6.04	6.04	5.94	6.14	0.00
Aroclor-1260-2	(2)	6.30	6.30	6.20	6.40	0.00
Aroclor-1260-3	(3)	6.65	6.65	6.55	6.75	0.00
Aroclor-1260-4	(4)	6.87	6.87	6.77	6.97	0.00
Aroclor-1260-5	(5)	7.17	7.18	7.08	7.28	0.01
Tetrachloro-m-xylene		3.41	3.41	3.31	3.51	0.00
Decachlorobiphenyl		8.54	8.54	8.44	8.64	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

Continuing Calib Date: 11/19/2025 **Initial Calibration Date(s):** 11/18/2025 11/18/2025

Continuing Calib Time: 13:04 **Initial Calibration Time(s):** 12:13 17:52

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	3.87	3.87	3.77	3.97	0.00
Aroclor-1016-2	(2)	3.89	3.89	3.79	3.99	0.00
Aroclor-1016-3	(3)	4.05	4.05	3.95	4.15	0.00
Aroclor-1016-4	(4)	4.10	4.10	4.00	4.20	0.00
Aroclor-1016-5	(5)	4.29	4.30	4.20	4.40	0.01
Aroclor-1260-1	(1)	5.30	5.30	5.20	5.40	0.00
Aroclor-1260-2	(2)	5.48	5.49	5.39	5.59	0.01
Aroclor-1260-3	(3)	5.63	5.63	5.53	5.73	0.00
Aroclor-1260-4	(4)	6.09	6.09	5.99	6.19	0.00
Aroclor-1260-5	(5)	6.34	6.34	6.24	6.44	0.00
Tetrachloro-m-xylene		2.86	2.86	2.76	2.96	0.00
Decachlorobiphenyl		7.66	7.66	7.56	7.76	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/18/2025 11/18/2025

Client Sample No.: CCAL03 **Date Analyzed:** 11/19/2025

Lab Sample No.: AR1660CCC500 **Data File :** PQ071332.D **Time Analyzed:** 13:04

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.497	4.397	4.597	481.490	500.000	-3.7
Aroclor-1016-2	4.516	4.416	4.616	488.020	500.000	-2.4
Aroclor-1016-3	4.573	4.474	4.674	485.270	500.000	-2.9
Aroclor-1016-4	4.664	4.564	4.764	487.200	500.000	-2.6
Aroclor-1016-5	4.949	4.849	5.049	488.530	500.000	-2.3
Aroclor-1260-1	6.042	5.943	6.143	464.240	500.000	-7.2
Aroclor-1260-2	6.299	6.200	6.400	486.320	500.000	-2.7
Aroclor-1260-3	6.652	6.552	6.752	484.460	500.000	-3.1
Aroclor-1260-4	6.867	6.767	6.967	489.140	500.000	-2.2
Aroclor-1260-5	7.174	7.075	7.275	494.950	500.000	-1.0
Decachlorobiphenyl	8.536	8.437	8.637	49.110	50.000	-1.8
Tetrachloro-m-xylene	3.411	3.311	3.511	49.280	50.000	-1.4

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/18/2025 11/18/2025

Client Sample No.: CCAL03 **Date Analyzed:** 11/19/2025

Lab Sample No.: AR1660CCC500 **Data File :** PQ071332.D **Time Analyzed:** 13:04

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	3.870	3.771	3.971	537.530	500.000	7.5
Aroclor-1016-2	3.886	3.788	3.988	553.750	500.000	10.8
Aroclor-1016-3	4.048	3.950	4.150	550.090	500.000	10.0
Aroclor-1016-4	4.097	3.998	4.198	536.250	500.000	7.3
Aroclor-1016-5	4.294	4.195	4.395	544.870	500.000	9.0
Aroclor-1260-1	5.295	5.197	5.397	539.360	500.000	7.9
Aroclor-1260-2	5.484	5.386	5.586	547.740	500.000	9.5
Aroclor-1260-3	5.628	5.530	5.730	539.920	500.000	8.0
Aroclor-1260-4	6.092	5.993	6.193	544.730	500.000	8.9
Aroclor-1260-5	6.336	6.238	6.438	543.770	500.000	8.8
Decachlorobiphenyl	7.657	7.559	7.759	54.640	50.000	9.3
Tetrachloro-m-xylene	2.855	2.756	2.956	54.730	50.000	9.5

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

Continuing Calib Date: 11/19/2025 **Initial Calibration Date(s):** 11/18/2025 11/18/2025

Continuing Calib Time: 17:27 **Initial Calibration Time(s):** 12:13 17:52

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.50	4.50	4.40	4.60	0.00
Aroclor-1016-2	(2)	4.52	4.52	4.42	4.62	0.00
Aroclor-1016-3	(3)	4.57	4.57	4.47	4.67	0.00
Aroclor-1016-4	(4)	4.66	4.66	4.56	4.76	0.00
Aroclor-1016-5	(5)	4.95	4.95	4.85	5.05	0.00
Aroclor-1260-1	(1)	6.04	6.04	5.94	6.14	0.00
Aroclor-1260-2	(2)	6.30	6.30	6.20	6.40	0.00
Aroclor-1260-3	(3)	6.65	6.65	6.55	6.75	0.00
Aroclor-1260-4	(4)	6.87	6.87	6.77	6.97	0.00
Aroclor-1260-5	(5)	7.17	7.18	7.08	7.28	0.01
Tetrachloro-m-xylene		3.41	3.41	3.31	3.51	0.00
Decachlorobiphenyl		8.54	8.54	8.44	8.64	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

Continuing Calib Date: 11/19/2025 **Initial Calibration Date(s):** 11/18/2025 11/18/2025

Continuing Calib Time: 17:27 **Initial Calibration Time(s):** 12:13 17:52

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	3.87	3.87	3.77	3.97	0.00
Aroclor-1016-2	(2)	3.89	3.89	3.79	3.99	0.00
Aroclor-1016-3	(3)	4.05	4.05	3.95	4.15	0.00
Aroclor-1016-4	(4)	4.10	4.10	4.00	4.20	0.00
Aroclor-1016-5	(5)	4.29	4.30	4.20	4.40	0.01
Aroclor-1260-1	(1)	5.29	5.30	5.20	5.40	0.01
Aroclor-1260-2	(2)	5.48	5.49	5.39	5.59	0.01
Aroclor-1260-3	(3)	5.63	5.63	5.53	5.73	0.00
Aroclor-1260-4	(4)	6.09	6.09	5.99	6.19	0.00
Aroclor-1260-5	(5)	6.34	6.34	6.24	6.44	0.00
Tetrachloro-m-xylene		2.86	2.86	2.76	2.96	0.00
Decachlorobiphenyl		7.66	7.66	7.56	7.76	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/18/2025 11/18/2025

Client Sample No.: CCAL04 **Date Analyzed:** 11/19/2025

Lab Sample No.: AR1660CCC500 **Data File :** PQ071344.D **Time Analyzed:** 17:27

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.496	4.397	4.597	511.570	500.000	2.3
Aroclor-1016-2	4.516	4.416	4.616	515.760	500.000	3.2
Aroclor-1016-3	4.573	4.474	4.674	504.590	500.000	0.9
Aroclor-1016-4	4.663	4.564	4.764	510.130	500.000	2.0
Aroclor-1016-5	4.948	4.849	5.049	516.900	500.000	3.4
Aroclor-1260-1	6.042	5.943	6.143	474.340	500.000	-5.1
Aroclor-1260-2	6.299	6.200	6.400	488.950	500.000	-2.2
Aroclor-1260-3	6.652	6.552	6.752	466.010	500.000	-6.8
Aroclor-1260-4	6.867	6.767	6.967	457.130	500.000	-8.6
Aroclor-1260-5	7.174	7.075	7.275	457.560	500.000	-8.5
Decachlorobiphenyl	8.536	8.437	8.637	44.700	50.000	-10.6
Tetrachloro-m-xylene	3.411	3.311	3.511	52.310	50.000	4.6

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3662

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/18/2025 11/18/2025

Client Sample No.: CCAL04 **Date Analyzed:** 11/19/2025

Lab Sample No.: AR1660CCC500 **Data File :** PQ071344.D **Time Analyzed:** 17:27

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	3.870	3.771	3.971	590.240	500.000	18.0
Aroclor-1016-2	3.886	3.788	3.988	597.700	500.000	19.5
Aroclor-1016-3	4.047	3.950	4.150	577.740	500.000	15.5
Aroclor-1016-4	4.096	3.998	4.198	571.240	500.000	14.2
Aroclor-1016-5	4.293	4.195	4.395	587.860	500.000	17.6
Aroclor-1260-1	5.294	5.197	5.397	567.790	500.000	13.6
Aroclor-1260-2	5.483	5.386	5.586	568.210	500.000	13.6
Aroclor-1260-3	5.627	5.530	5.730	566.310	500.000	13.3
Aroclor-1260-4	6.091	5.993	6.193	573.540	500.000	14.7
Aroclor-1260-5	6.335	6.238	6.438	541.220	500.000	8.2
Decachlorobiphenyl	7.656	7.559	7.759	46.750	50.000	-6.5
Tetrachloro-m-xylene	2.856	2.756	2.956	58.960	50.000	17.9

Alliance TECHNICAL GROUP
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Analytical Sequence

Client: HDR, Inc. **SDG No.:** Q3662

Project: PVWC Linear Construction **Instrument ID:** ECD_O

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 11/04/2025 11/04/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	11/04/2025	09:21	PO114870.D	9.93	4.35
AR1660ICC1000	AR1660ICC1000	11/04/2025	09:39	PO114871.D	9.93	4.35
AR1660ICC750	AR1660ICC750	11/04/2025	09:58	PO114872.D	9.93	4.35
AR1660ICC500	AR1660ICC500	11/04/2025	10:16	PO114873.D	9.93	4.35
AR1660ICC250	AR1660ICC250	11/04/2025	10:34	PO114874.D	9.93	4.35
AR1660ICC050	AR1660ICC050	11/04/2025	10:53	PO114875.D	9.93	4.35
AR1221ICC500	AR1221ICC500	11/04/2025	11:11	PO114876.D	9.93	4.35
AR1232ICC500	AR1232ICC500	11/04/2025	11:30	PO114877.D	9.93	4.35
AR1242ICC1000	AR1242ICC1000	11/04/2025	11:48	PO114878.D	9.93	4.35
AR1242ICC750	AR1242ICC750	11/04/2025	12:06	PO114879.D	9.93	4.35
AR1242ICC500	AR1242ICC500	11/04/2025	12:25	PO114880.D	9.93	4.35
AR1242ICC250	AR1242ICC250	11/04/2025	12:42	PO114881.D	9.93	4.35
AR1242ICC050	AR1242ICC050	11/04/2025	13:00	PO114882.D	9.93	4.35
AR1248ICC1000	AR1248ICC1000	11/04/2025	13:19	PO114883.D	9.93	4.35
AR1248ICC750	AR1248ICC750	11/04/2025	13:37	PO114884.D	9.93	4.35
AR1248ICC500	AR1248ICC500	11/04/2025	13:56	PO114885.D	9.93	4.35
AR1248ICC250	AR1248ICC250	11/04/2025	14:14	PO114886.D	9.93	4.35
AR1248ICC050	AR1248ICC050	11/04/2025	14:33	PO114887.D	9.93	4.35
AR1254ICC1000	AR1254ICC1000	11/04/2025	14:51	PO114888.D	9.93	4.35
AR1254ICC750	AR1254ICC750	11/04/2025	15:09	PO114889.D	9.93	4.35
AR1254ICC500	AR1254ICC500	11/04/2025	15:28	PO114890.D	9.93	4.35
AR1254ICC250	AR1254ICC250	11/04/2025	16:04	PO114891.D	9.93	4.35
AR1254ICC050	AR1254ICC050	11/04/2025	16:23	PO114892.D	9.93	4.35
AR1262ICC500	AR1262ICC500	11/04/2025	17:00	PO114893.D	9.95	4.37
AR1268ICC1000	AR1268ICC1000	11/04/2025	17:18	PO114894.D	9.93	4.35
AR1268ICC750	AR1268ICC750	11/04/2025	17:36	PO114895.D	9.93	4.35
AR1268ICC500	AR1268ICC500	11/04/2025	17:55	PO114896.D	9.93	4.35
AR1268ICC250	AR1268ICC250	11/04/2025	18:13	PO114897.D	9.93	4.35
AR1268ICC050	AR1268ICC050	11/04/2025	18:31	PO114898.D	9.93	4.35
AR1660CCC500	AR1660CCC500	11/19/2025	09:38	PO115205.D	9.92	4.34
I.BLK	I.BLK	11/19/2025	11:00	PO115209.D	9.92	4.34
B3-0.0-1.0-20251117	Q3662-02	11/19/2025	13:17	PO115214.D	9.92	4.34
B1-0.0-1.0-20251117	Q3662-04	11/19/2025	13:35	PO115215.D	9.92	4.34
AR1660CCC500	AR1660CCC500	11/19/2025	15:26	PO115220.D	9.92	4.34
I.BLK	I.BLK	11/19/2025	16:39	PO115224.D	9.92	4.34
I.BLK	I.BLK	11/18/2025	11:59	PQ071272.D	8.54	3.41
AR1660ICC1000	AR1660ICC1000	11/18/2025	12:13	PQ071273.D	8.54	3.41
AR1660ICC750	AR1660ICC750	11/18/2025	12:28	PQ071274.D	8.54	3.41
AR1660ICC500	AR1660ICC500	11/18/2025	12:43	PQ071275.D	8.54	3.41
AR1660ICC250	AR1660ICC250	11/18/2025	12:57	PQ071276.D	8.54	3.41
AR1660ICC050	AR1660ICC050	11/18/2025	15:42	PQ071277.D	8.56	3.43
AR1221ICC500	AR1221ICC500	11/18/2025	16:25	PQ071278.D	8.56	3.43

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Analytical Sequence

AR1232ICC500	AR1232ICC500	11/18/2025	16:39	PQ071279.D	8.54	3.41
AR1242ICC500	AR1242ICC500	11/18/2025	16:54	PQ071280.D	8.54	3.41
AR1248ICC500	AR1248ICC500	11/18/2025	17:08	PQ071281.D	8.54	3.41
AR1254ICC500	AR1254ICC500	11/18/2025	17:23	PQ071282.D	8.54	3.41
AR1262ICC500	AR1262ICC500	11/18/2025	17:37	PQ071283.D	8.54	3.41
AR1268ICC500	AR1268ICC500	11/18/2025	17:52	PQ071284.D	8.54	3.41
AR1660CCC500	AR1660CCC500	11/19/2025	13:04	PQ071332.D	8.54	3.41
I.BLK	I.BLK	11/19/2025	13:18	PQ071333.D	8.54	3.41
PB170627BL	PB170627BL	11/19/2025	13:34	PQ071334.D	8.54	3.41
PB170627BS	PB170627BS	11/19/2025	13:48	PQ071335.D	8.54	3.41
EO-01-11182025MS	Q3669-01MS	11/19/2025	15:01	PQ071340.D	8.54	3.41
EO-01-11182025MSD	Q3669-01MSD	11/19/2025	15:16	PQ071341.D	8.54	3.41
AR1660CCC500	AR1660CCC500	11/19/2025	17:27	PQ071344.D	8.54	3.41
I.BLK	I.BLK	11/19/2025	17:42	PQ071345.D	8.54	3.41

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Analytical Sequence

Client: HDR, Inc. **SDG No.:** Q3662

Project: PVWC Linear Construction **Instrument ID:** ECD_O

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 11/04/2025 11/04/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	11/04/2025	09:21	PO114870.D	8.64	3.65
AR1660ICC1000	AR1660ICC1000	11/04/2025	09:39	PO114871.D	8.64	3.65
AR1660ICC750	AR1660ICC750	11/04/2025	09:58	PO114872.D	8.64	3.65
AR1660ICC500	AR1660ICC500	11/04/2025	10:16	PO114873.D	8.64	3.65
AR1660ICC250	AR1660ICC250	11/04/2025	10:34	PO114874.D	8.64	3.65
AR1660ICC050	AR1660ICC050	11/04/2025	10:53	PO114875.D	8.64	3.65
AR1221ICC500	AR1221ICC500	11/04/2025	11:11	PO114876.D	8.64	3.65
AR1232ICC500	AR1232ICC500	11/04/2025	11:30	PO114877.D	8.64	3.65
AR1242ICC1000	AR1242ICC1000	11/04/2025	11:48	PO114878.D	8.64	3.65
AR1242ICC750	AR1242ICC750	11/04/2025	12:06	PO114879.D	8.64	3.65
AR1242ICC500	AR1242ICC500	11/04/2025	12:25	PO114880.D	8.64	3.65
AR1242ICC250	AR1242ICC250	11/04/2025	12:42	PO114881.D	8.64	3.65
AR1242ICC050	AR1242ICC050	11/04/2025	13:00	PO114882.D	8.64	3.65
AR1248ICC1000	AR1248ICC1000	11/04/2025	13:19	PO114883.D	8.64	3.65
AR1248ICC750	AR1248ICC750	11/04/2025	13:37	PO114884.D	8.64	3.65
AR1248ICC500	AR1248ICC500	11/04/2025	13:56	PO114885.D	8.64	3.65
AR1248ICC250	AR1248ICC250	11/04/2025	14:14	PO114886.D	8.64	3.65
AR1248ICC050	AR1248ICC050	11/04/2025	14:33	PO114887.D	8.64	3.65
AR1254ICC1000	AR1254ICC1000	11/04/2025	14:51	PO114888.D	8.64	3.65
AR1254ICC750	AR1254ICC750	11/04/2025	15:09	PO114889.D	8.64	3.65
AR1254ICC500	AR1254ICC500	11/04/2025	15:28	PO114890.D	8.64	3.65
AR1254ICC250	AR1254ICC250	11/04/2025	16:04	PO114891.D	8.64	3.65
AR1254ICC050	AR1254ICC050	11/04/2025	16:23	PO114892.D	8.64	3.65
AR1262ICC500	AR1262ICC500	11/04/2025	17:00	PO114893.D	8.64	3.65
AR1268ICC1000	AR1268ICC1000	11/04/2025	17:18	PO114894.D	8.64	3.65
AR1268ICC750	AR1268ICC750	11/04/2025	17:36	PO114895.D	8.64	3.65
AR1268ICC500	AR1268ICC500	11/04/2025	17:55	PO114896.D	8.64	3.65
AR1268ICC250	AR1268ICC250	11/04/2025	18:13	PO114897.D	8.64	3.65
AR1268ICC050	AR1268ICC050	11/04/2025	18:31	PO114898.D	8.64	3.65
AR1660CCC500	AR1660CCC500	11/19/2025	09:38	PO115205.D	8.63	3.65
I.BLK	I.BLK	11/19/2025	11:00	PO115209.D	8.63	3.65
B3-0.0-1.0-20251117	Q3662-02	11/19/2025	13:17	PO115214.D	8.63	3.64
B1-0.0-1.0-20251117	Q3662-04	11/19/2025	13:35	PO115215.D	8.63	3.64
AR1660CCC500	AR1660CCC500	11/19/2025	15:26	PO115220.D	8.63	3.65
I.BLK	I.BLK	11/19/2025	16:39	PO115224.D	8.63	3.65
I.BLK	I.BLK	11/18/2025	11:59	PQ071272.D	7.66	2.86
AR1660ICC1000	AR1660ICC1000	11/18/2025	12:13	PQ071273.D	7.66	2.86
AR1660ICC750	AR1660ICC750	11/18/2025	12:28	PQ071274.D	7.66	2.86
AR1660ICC500	AR1660ICC500	11/18/2025	12:43	PQ071275.D	7.66	2.86
AR1660ICC250	AR1660ICC250	11/18/2025	12:57	PQ071276.D	7.66	2.86
AR1660ICC050	AR1660ICC050	11/18/2025	15:42	PQ071277.D	7.67	2.86
AR1221ICC500	AR1221ICC500	11/18/2025	16:25	PQ071278.D	7.67	2.86

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Analytical Sequence

AR1232ICC500	AR1232ICC500	11/18/2025	16:39	PQ071279.D	7.66	2.86
AR1242ICC500	AR1242ICC500	11/18/2025	16:54	PQ071280.D	7.66	2.86
AR1248ICC500	AR1248ICC500	11/18/2025	17:08	PQ071281.D	7.66	2.86
AR1254ICC500	AR1254ICC500	11/18/2025	17:23	PQ071282.D	7.66	2.86
AR1262ICC500	AR1262ICC500	11/18/2025	17:37	PQ071283.D	7.66	2.86
AR1268ICC500	AR1268ICC500	11/18/2025	17:52	PQ071284.D	7.66	2.86
AR1660CCC500	AR1660CCC500	11/19/2025	13:04	PQ071332.D	7.66	2.86
I.BLK	I.BLK	11/19/2025	13:18	PQ071333.D	7.66	2.86
PB170627BL	PB170627BL	11/19/2025	13:34	PQ071334.D	7.66	2.86
PB170627BS	PB170627BS	11/19/2025	13:48	PQ071335.D	7.66	2.86
EO-01-11182025MS	Q3669-01MS	11/19/2025	15:01	PQ071340.D	7.66	2.86
EO-01-11182025MSD	Q3669-01MSD	11/19/2025	15:16	PQ071341.D	7.66	2.86
AR1660CCC500	AR1660CCC500	11/19/2025	17:27	PQ071344.D	7.66	2.86
I.BLK	I.BLK	11/19/2025	17:42	PQ071345.D	7.66	2.86

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.: PB170627BS

Lab Name: Alliance
Contract: HDRI08
Lab Code: ACE
SDG NO.: Q3662
Lab Sample ID: PB170627BS
Date(s) Analyzed: 11/19/2025 11/19/2025
Instrument ID (1): ECD_Q
Instrument ID (2): ECD_Q
GC Column: (1): ZB-MR1 ID: 0.32 (mm)
GC Column:(2): ZB-MR2 ID: 0.32 (mm)
Data file PQ071335.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	4.497	4.447	4.547	130		
	2	4.516	4.466	4.566	132		
	3	4.573	4.523	4.623	129		
COLUMN 1	4	4.664	4.614	4.714	131		
	5	4.949	4.899	4.999	128	130	
	1	3.87	3.82	3.92	145		
	2	3.886	3.836	3.936	148		
	3	4.048	3.998	4.098	145		
	4	4.097	4.047	4.147	140		
COLUMN 2	5	4.294	4.244	4.344	140	143	9.52
Aroclor-1260	1	6.043	5.993	6.093	129		
	2	6.3	6.25	6.35	135		
	3	6.653	6.603	6.703	113		
COLUMN 1	4	6.867	6.817	6.917	119		
	5	7.174	7.124	7.224	118	123	
	1	5.295	5.245	5.345	147		
	2	5.484	5.434	5.534	149		
	3	5.627	5.577	5.677	149		
	4	6.091	6.041	6.141	129		
COLUMN 2	5	6.336	6.286	6.386	129	141	13.64

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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

EO-01-11182025MS

Lab Name: Alliance
Contract: HDRI08
Lab Code: ACE
SDG NO.: Q3662
Lab Sample ID: Q3669-01MS
Date(s) Analyzed: 11/19/2025 11/19/2025
Instrument ID (1): ECD_Q
Instrument ID (2): ECD_Q
GC Column: (1): ZB-MR1 ID: 0.32 (mm)
GC Column:(2): ZB-MR2 ID: 0.32 (mm)
Data file PQ071340.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	4.496	4.446	4.546	91.8		
	2	4.515	4.465	4.565	83.7		
	3	4.572	4.522	4.622	91.5		
COLUMN 1	4	4.662	4.612	4.712	97.5		
	5	4.948	4.898	4.998	86.6	90.2	
	1	3.869	3.819	3.919	96.5		
	2	3.886	3.836	3.936	97.2		
	3	4.048	3.998	4.098	106		
	4	4.096	4.046	4.146	100		
COLUMN 2	5	4.294	4.244	4.344	107	101	11.3
Aroclor-1260	1	6.042	5.992	6.092	87.8		
	2	6.299	6.249	6.349	110		
	3	6.652	6.602	6.702	76.5		
COLUMN 1	4	6.867	6.817	6.917	77.8		
	5	7.174	7.124	7.224	78.5	86.2	
	1	5.296	5.246	5.346	93.4		
	2	5.485	5.435	5.535	98.8		
	3	5.627	5.577	5.677	90.0		
	4	6.092	6.042	6.142	71.4		
COLUMN 2	5	6.337	6.287	6.387	72.4	85.2	1.17

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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

EO-01-11182025MSD

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG NO.: Q3662

Lab Sample ID: Q3669-01MSD Date(s) Analyzed: 11/19/2025 11/19/2025

Instrument ID (1): ECD_Q Instrument ID (2): ECD_Q

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PQ071341.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	4.496	4.446	4.546	93.0		
	2	4.515	4.465	4.565	88.2		
	3	4.573	4.523	4.623	92.2		
COLUMN 1	4	4.663	4.613	4.713	96.6		
	5	4.948	4.898	4.998	88.6	91.7	
	1	3.87	3.82	3.92	90.2		
	2	3.886	3.836	3.936	98.4		
	3	4.048	3.998	4.098	107		
	4	4.096	4.046	4.146	105		
COLUMN 2	5	4.294	4.244	4.344	105	101	9.65
Aroclor-1260	1	6.042	5.992	6.092	86.3		
	2	6.299	6.249	6.349	110		
	3	6.652	6.602	6.702	76.9		
COLUMN 1	4	6.867	6.817	6.917	76.0		
	5	7.174	7.124	7.224	77.2	85.4	
	1	5.295	5.245	5.345	94.1		
	2	5.484	5.434	5.534	99.0		
	3	5.627	5.577	5.677	89.0		
	4	6.092	6.042	6.142	73.9		
COLUMN 2	5	6.336	6.286	6.386	69.2	85.0	0.47

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111925\
Data File : PO115214.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2025 13:17
Operator : YP/AJ
Sample : Q3662-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
B3-0.0-1.0-20251117

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 01:41:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 06:00:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.340	3.644	129.3E6	87361960	18.377	19.558
2)	SA Decachlor...	9.918	8.629	66692520	62868438	15.088m	16.104
	Target Compounds						

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

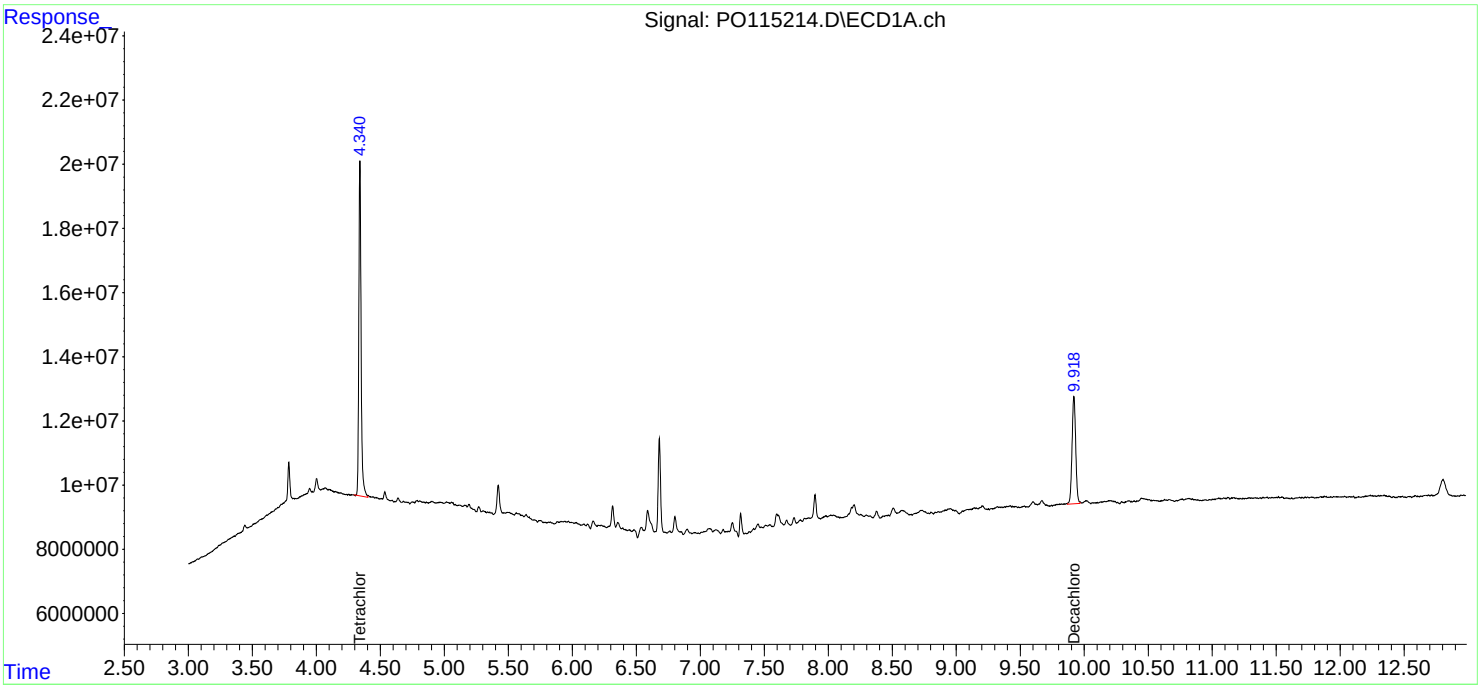
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111925\
Data File : PO115214.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2025 13:17
Operator : YP/AJ
Sample : Q3662-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

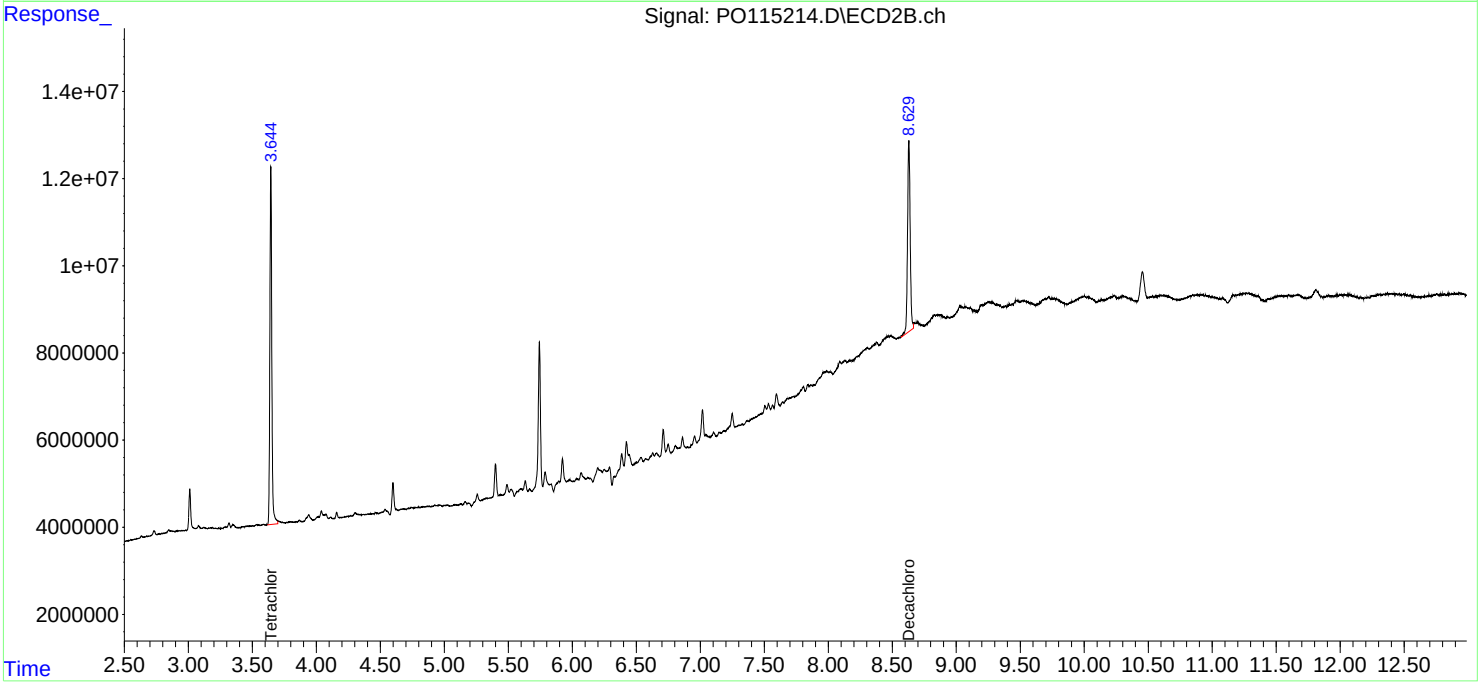
Instrument :
ECD_O
ClientSampleId :
B3-0.0-1.0-20251117

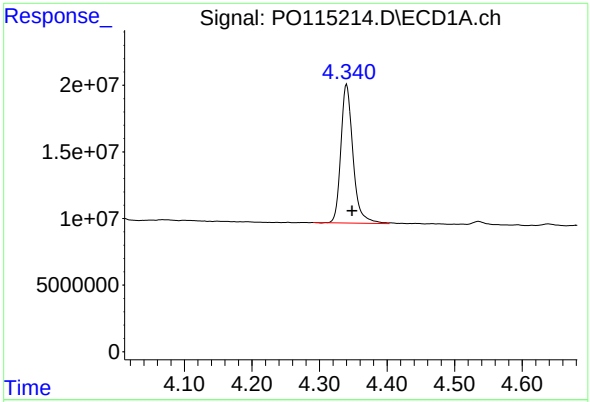
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 01:41:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 06:00:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







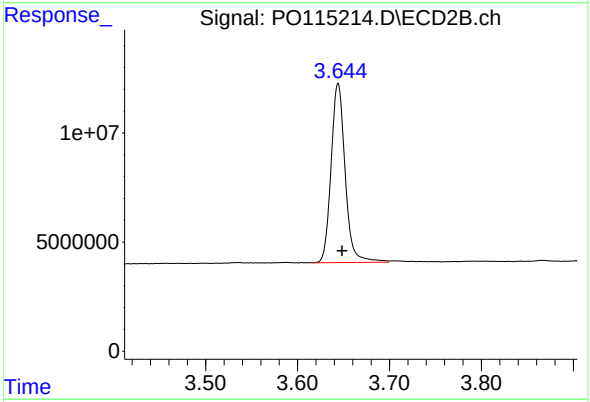
#1 Tetrachloro-m-xylene

R.T.: 4.340 min
Delta R.T.: -0.008 min
Response: 129338258
Conc: 18.38 ng/ml

Instrument :
ECD_O
ClientSampleId :
B3-0.0-1.0-20251117

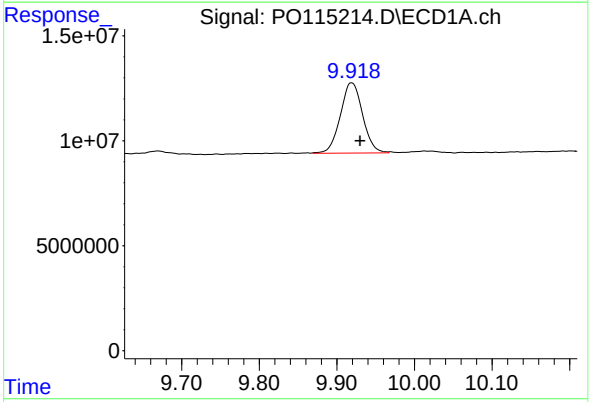
Manual Integrations APPROVED

Reviewed By :Rahul Chavli 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025



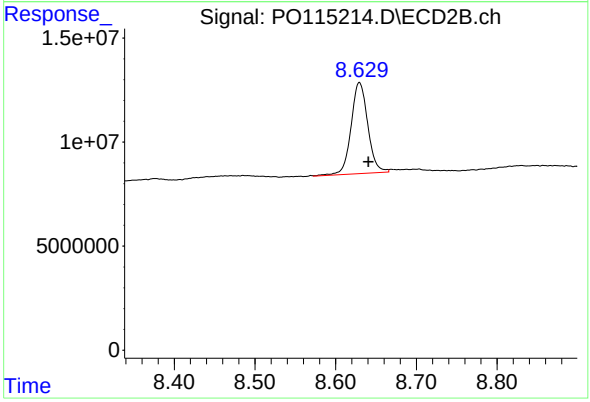
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: -0.004 min
Response: 87361960
Conc: 19.56 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.918 min
Delta R.T.: -0.012 min
Response: 66692520
Conc: 15.09 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.629 min
Delta R.T.: -0.011 min
Response: 62868438
Conc: 16.10 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111925\
Data File : PO115215.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2025 13:35
Operator : YP/AJ
Sample : Q3662-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
B1-0.0-1.0-20251117

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 01:41:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 06:00:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.341	3.644	130.4E6	87635183	18.532	19.619
2)	SA Decachlor...	9.918	8.630	76806113	57335134	17.376	14.687m
	Target Compounds						

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

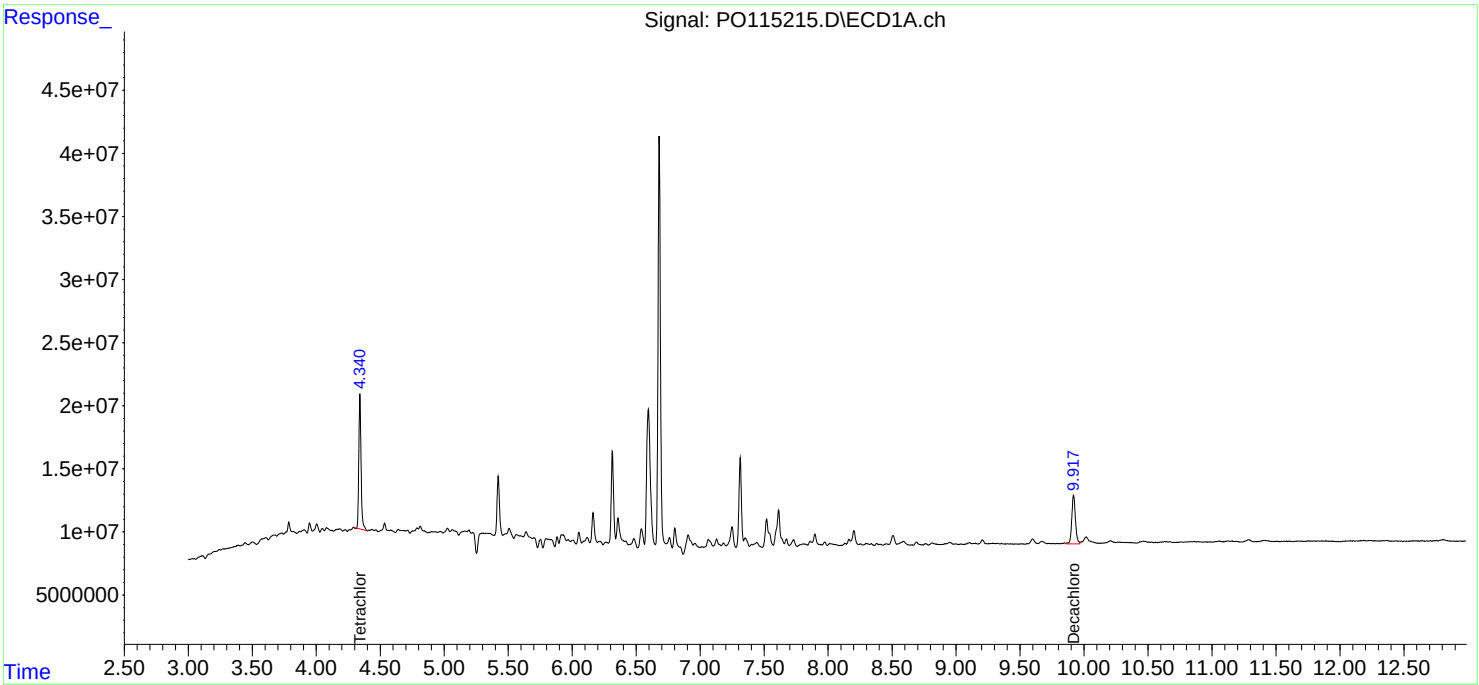
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111925\
Data File : PO115215.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2025 13:35
Operator : YP/AJ
Sample : Q3662-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

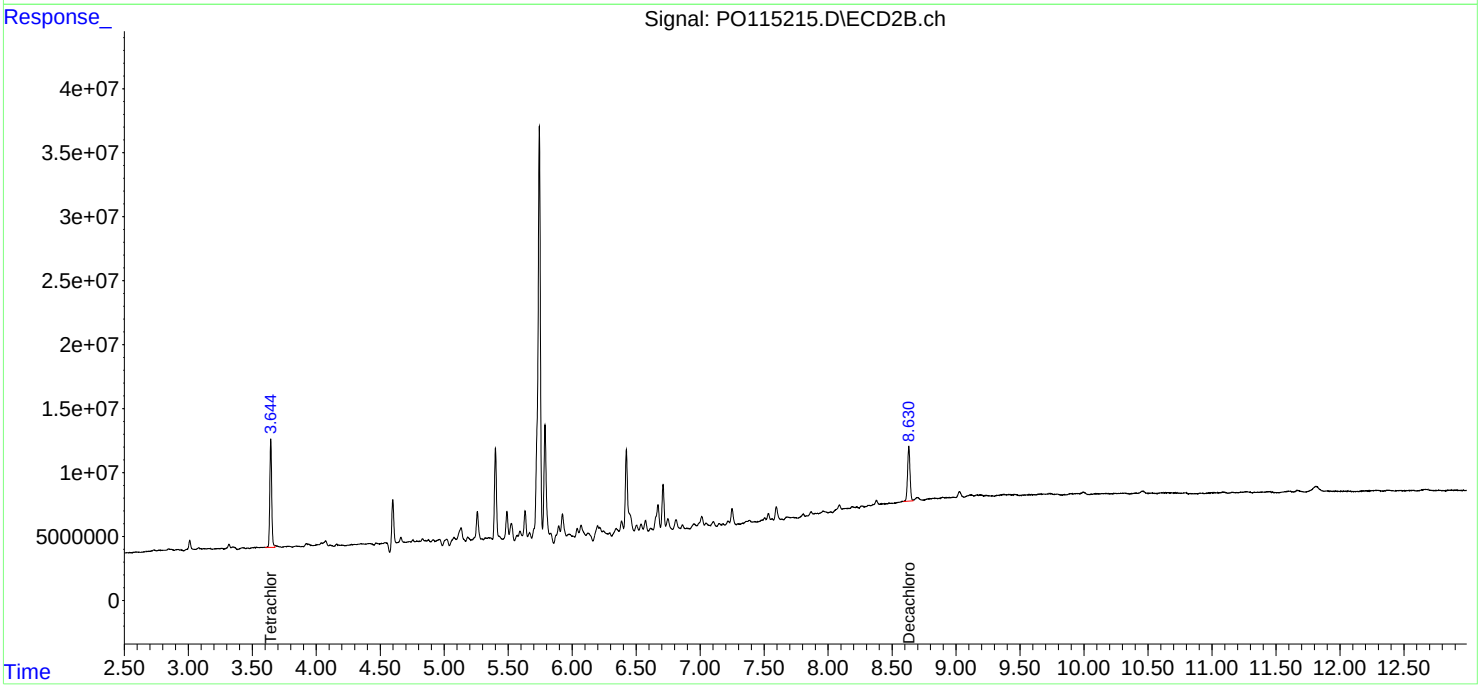
Instrument :
ECD_O
ClientSampleId :
B1-0.0-1.0-20251117

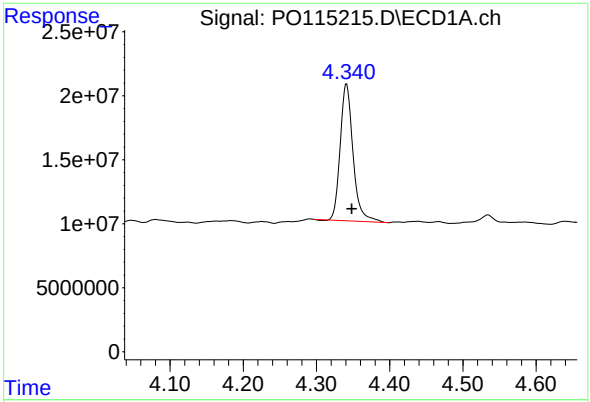
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 01:41:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 06:00:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







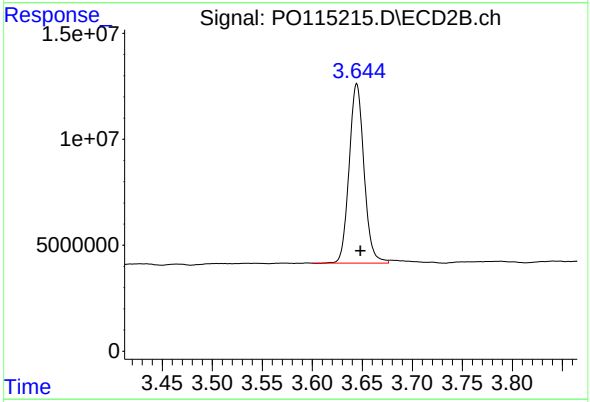
#1 Tetrachloro-m-xylene

R.T.: 4.341 min
Delta R.T.: -0.007 min
Response: 130429089
Conc: 18.53 ng/ml

Instrument :
ECD_O
ClientSampleId :
B1-0.0-1.0-20251117

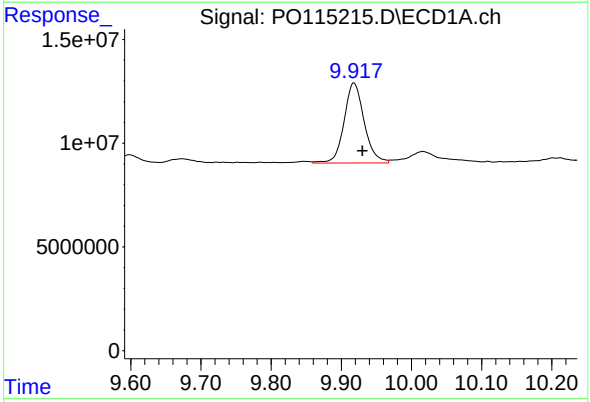
Manual Integrations APPROVED

Reviewed By :Rahul Chavli 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025



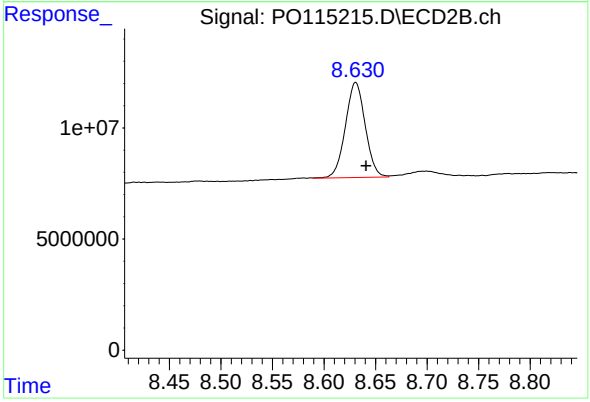
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: -0.004 min
Response: 87635183
Conc: 19.62 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.918 min
Delta R.T.: -0.012 min
Response: 76806113
Conc: 17.38 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.630 min
Delta R.T.: -0.010 min
Response: 57335134
Conc: 14.69 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ111925\
Data File : PQ071334.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2025 13:34
Operator : YP\AJ
Sample : PB170627BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
PB170627BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 07:29:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ111825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 19 04:02:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.414	2.855	160.1E6	200.4E6	18.397	21.460
2)	SA Decachlor...	8.539	7.657	116.3E6	192.0E6	18.566	21.010
	Target Compounds						

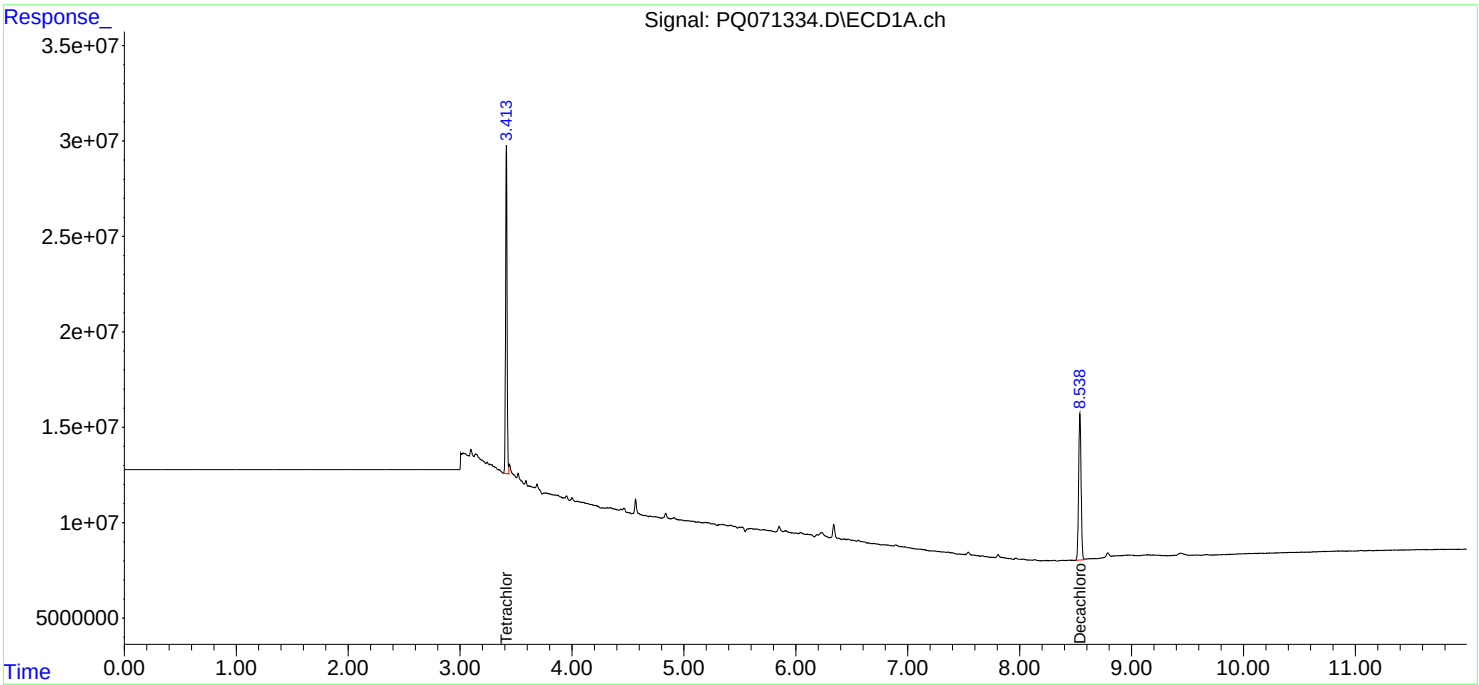
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

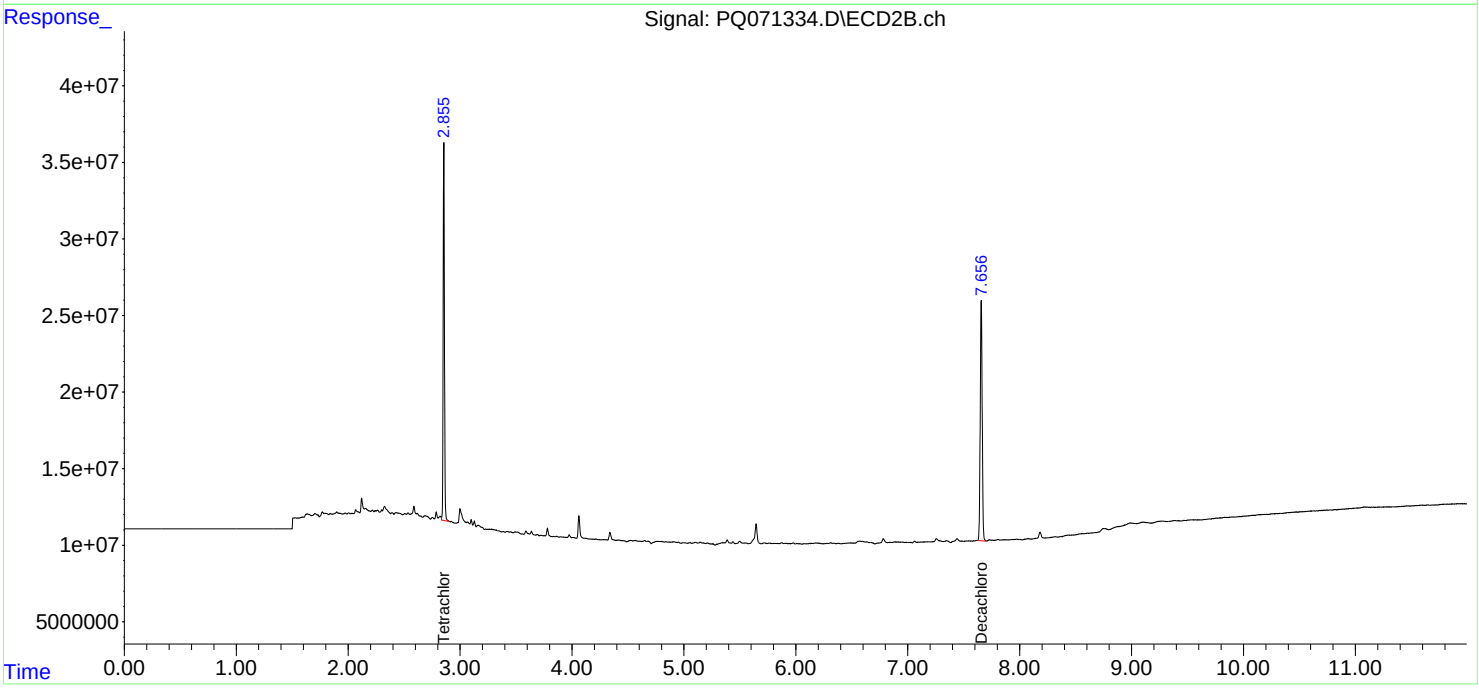
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ111925\
Data File : PQ071334.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2025 13:34
Operator : YP\AJ
Sample : PB170627BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

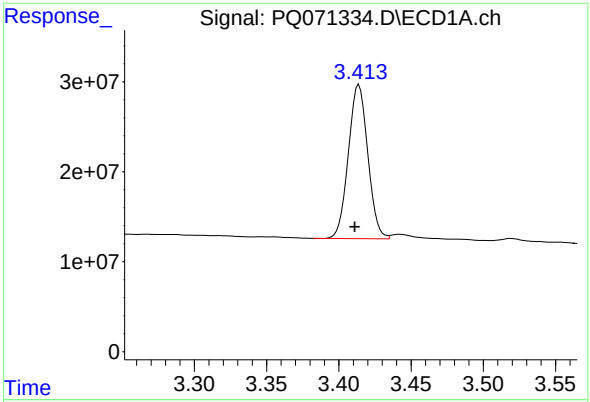
Instrument :
ECD_Q
ClientSampleId :
PB170627BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 07:29:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ111825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 19 04:02:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



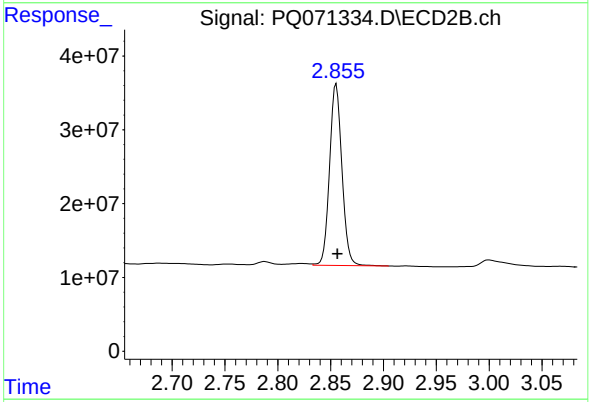




#1 Tetrachloro-m-xylene

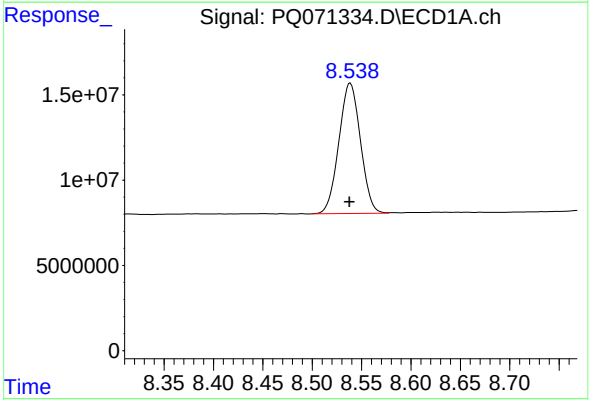
R.T.: 3.414 min
Delta R.T.: 0.003 min
Response: 160146312
Conc: 18.40 ng/ml

Instrument :
ECD_Q
ClientSampleId :
PB170627BL



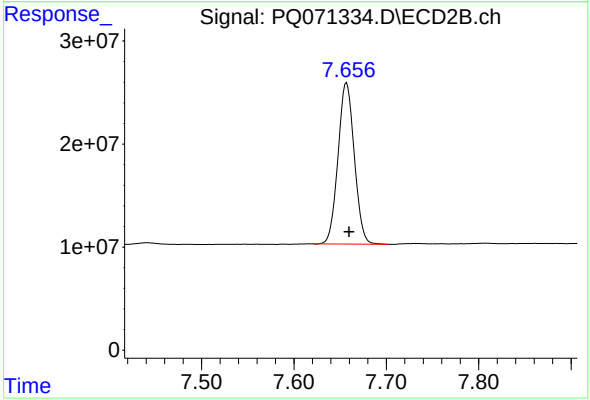
#1 Tetrachloro-m-xylene

R.T.: 2.855 min
Delta R.T.: -0.001 min
Response: 200365761
Conc: 21.46 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.539 min
Delta R.T.: 0.001 min
Response: 116252824
Conc: 18.57 ng/ml



#2 Decachlorobiphenyl

R.T.: 7.657 min
Delta R.T.: -0.003 min
Response: 191978713
Conc: 21.01 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ111925\
Data File : PQ071335.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2025 13:48
Operator : YP\AJ
Sample : PB170627BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
PB170627BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 07:29:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ111825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 19 04:02:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.411	2.856	162.0E6	185.2E6	18.606	19.830
2)	SA Decachlor...	8.535	7.656	115.9E6	187.2E6	18.503	20.491
	Target Compounds						
3)	L1 AR-1016-1	4.497	3.870	129.3E6	157.1E6	391.056	433.960
4)	L1 AR-1016-2	4.516	3.886	188.0E6	218.5E6	395.326	444.941
5)	L1 AR-1016-3	4.573	4.048	115.7E6	120.7E6	387.518	434.311
6)	L1 AR-1016-4	4.664	4.097	96507503	94054428	393.031	419.421
7)	L1 AR-1016-5	4.949	4.294	90731221	117.4E6	383.780	421.501
31)	L7 AR-1260-1	6.043	5.295	173.2E6	220.3E6	387.133	441.483
32)	L7 AR-1260-2	6.300	5.484	206.7E6	271.9E6	404.534	448.355
33)	L7 AR-1260-3	6.653	5.627	129.6E6	263.9E6	338.533	446.456 #
34)	L7 AR-1260-4	6.867	6.091	149.2E6	191.8E6	356.792	387.179
35)	L7 AR-1260-5	7.174	6.336	295.2E6	444.7E6	354.750	387.309

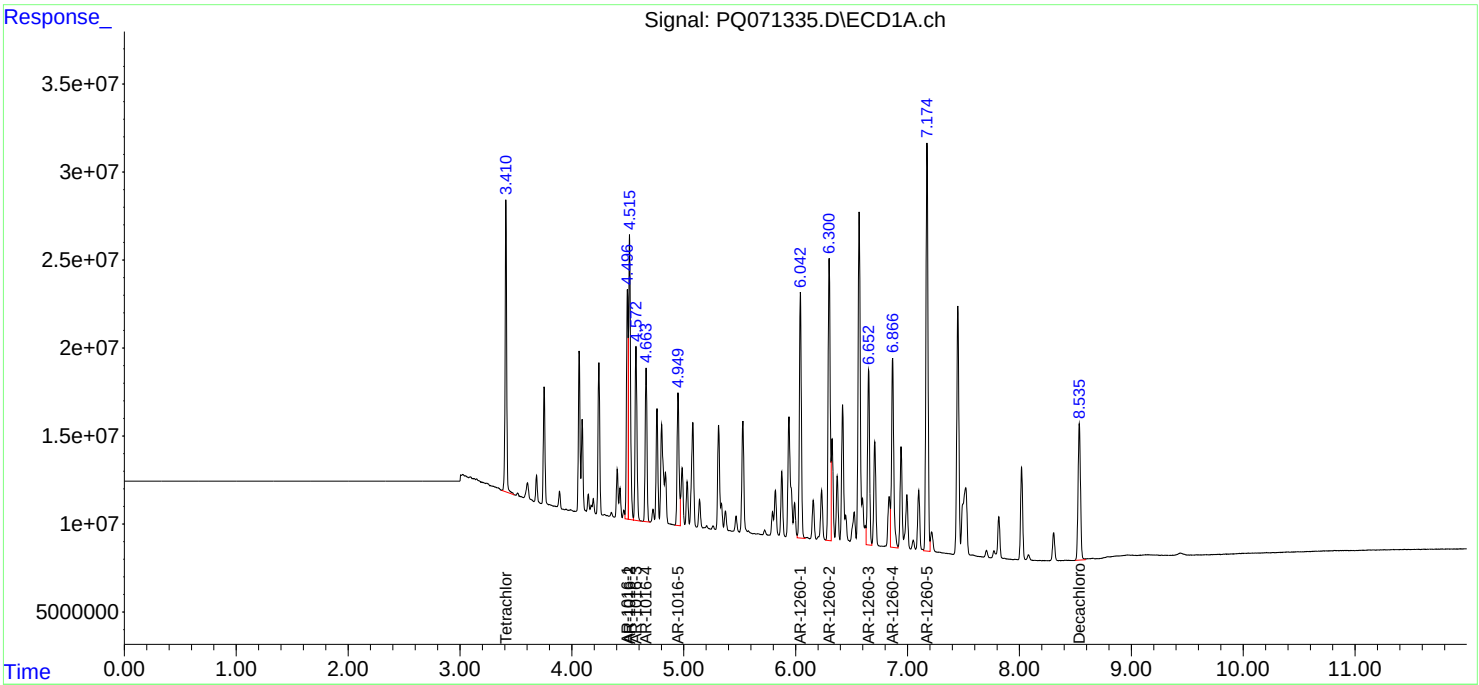
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

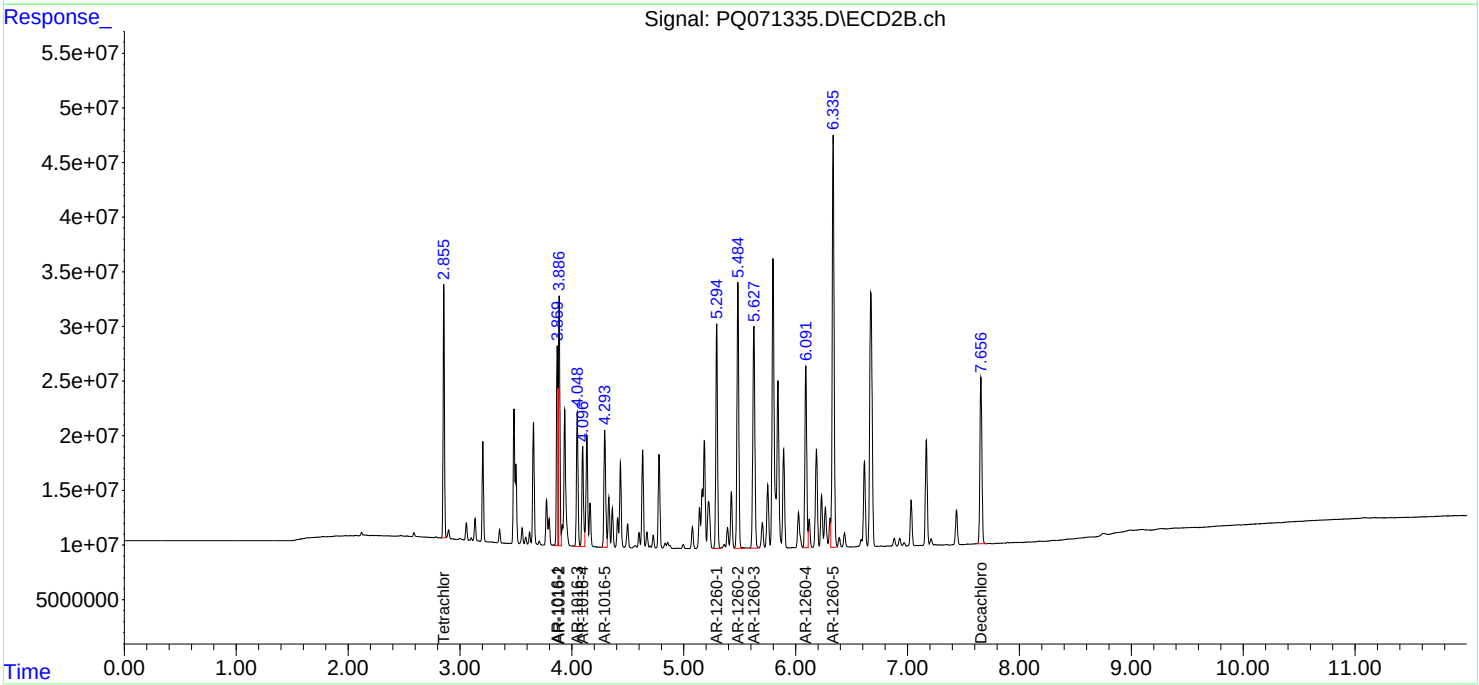
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ111925\
Data File : PQ071335.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2025 13:48
Operator : YP\AJ
Sample : PB170627BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
PB170627BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 07:29:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ111825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 19 04:02:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ111925\
Data File : PQ071340.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2025 15:01
Operator : YP\AJ
Sample : Q3669-01MS
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
EO-01-11182025MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 07:30:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ111825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 19 04:02:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.410	2.856	94580269	118.9E6	10.865m	12.737m
2)	SA Decachlor...	8.536	7.658	76201441	82157289	12.170	8.991 #
	Target Compounds						
3)	L1 AR-1016-1	4.496	3.869	84745831	97608282	256.379m	269.544m
4)	L1 AR-1016-2	4.515	3.886	111.2E6	133.3E6	233.775m	271.463m
5)	L1 AR-1016-3	4.572	4.048	76258000	82274874	255.506m	295.962m
6)	L1 AR-1016-4	4.662	4.096	66875662	62811753	272.354m	280.099m
7)	L1 AR-1016-5	4.948	4.294	57201370	82854662	241.953m	297.431m
31)	L7 AR-1260-1	6.042	5.296	109.7E6	130.1E6	245.136	260.834
32)	L7 AR-1260-2	6.299	5.485	157.2E6	167.3E6	307.705	275.918
33)	L7 AR-1260-3	6.652	5.627	81735021	148.6E6	213.556	251.399
34)	L7 AR-1260-4	6.867	6.092	90888501	98825016	217.361	199.494
35)	L7 AR-1260-5	7.174	6.337	182.4E6	232.3E6	219.187	202.261

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ111925\
Data File : PQ071340.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2025 15:01
Operator : YP\AJ
Sample : Q3669-01MS
Misc :
ALS Vial : 17 Sample Multiplier: 1

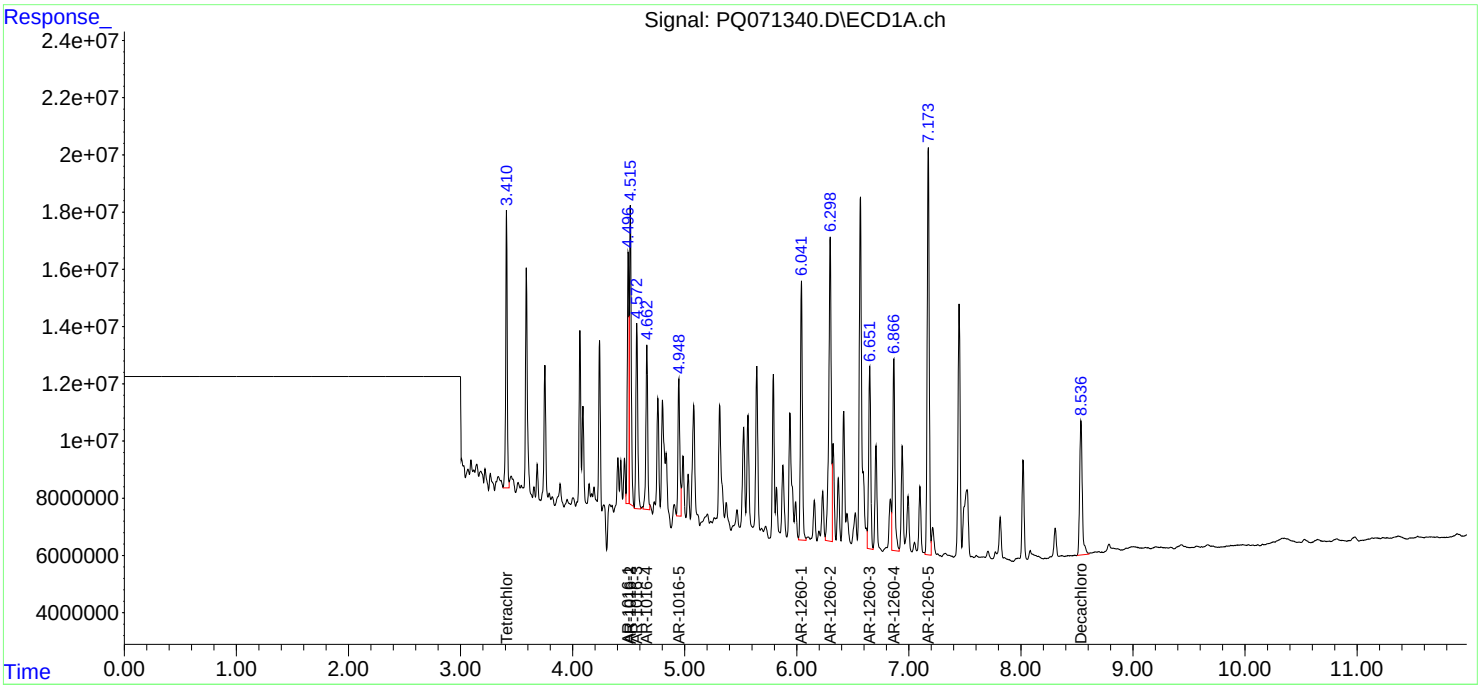
Instrument :
ECD_Q
ClientSampleId :
EO-01-11182025MS

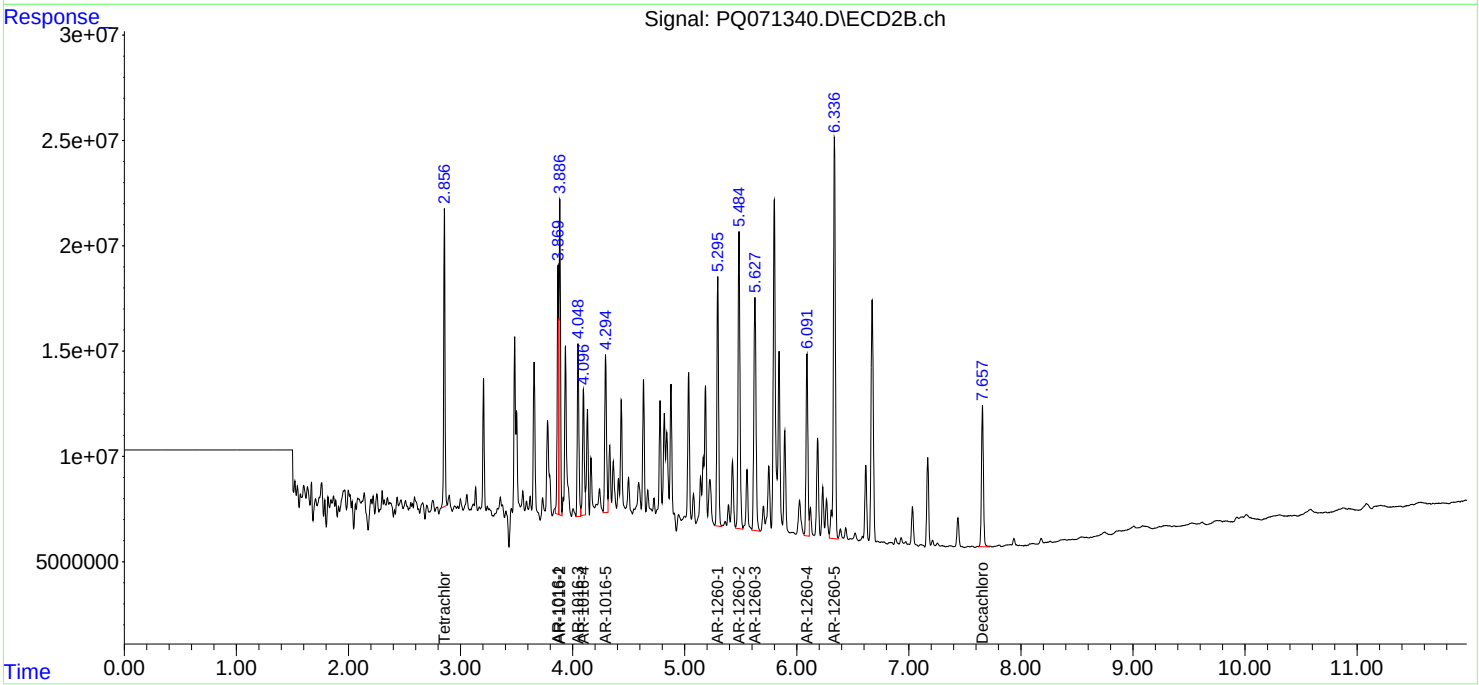
Manual Integrations APPROVED

Reviewed By :Rahul Chavli 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 07:30:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ111825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 19 04:02:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ111925\
Data File : PQ071341.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2025 15:16
Operator : YP\AJ
Sample : Q3669-01MSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
EO-01-11182025MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 07:30:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ111825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 19 04:02:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.410	2.855	96929688	122.1E6	11.135m	13.076m
2)	SA Decachlor...	8.537	7.657	76591307	79846456	12.232	8.738 #
	Target Compounds						
3)	L1 AR-1016-1	4.496	3.870	85728163	91056933	259.350m	251.453m
4)	L1 AR-1016-2	4.515	3.886	116.9E6	134.8E6	245.869m	274.379m
5)	L1 AR-1016-3	4.573	4.048	76714199	82736548	257.035m	297.622m
6)	L1 AR-1016-4	4.663	4.096	66181682	65405930	269.527m	291.668m
7)	L1 AR-1016-5	4.948	4.294	58420390	81676834	247.110m	293.202m
31)	L7 AR-1260-1	6.042	5.295	107.7E6	130.9E6	240.728	262.304m
32)	L7 AR-1260-2	6.299	5.484	157.3E6	167.4E6	307.841	276.119m
33)	L7 AR-1260-3	6.652	5.627	82074128	146.7E6	214.442	248.100m
34)	L7 AR-1260-4	6.867	6.092	88668026	102.1E6	212.051	206.181
35)	L7 AR-1260-5	7.174	6.336	179.2E6	221.6E6	215.323	193.010

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ111925\
Data File : PQ071341.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2025 15:16
Operator : YP\AJ
Sample : Q3669-01MSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

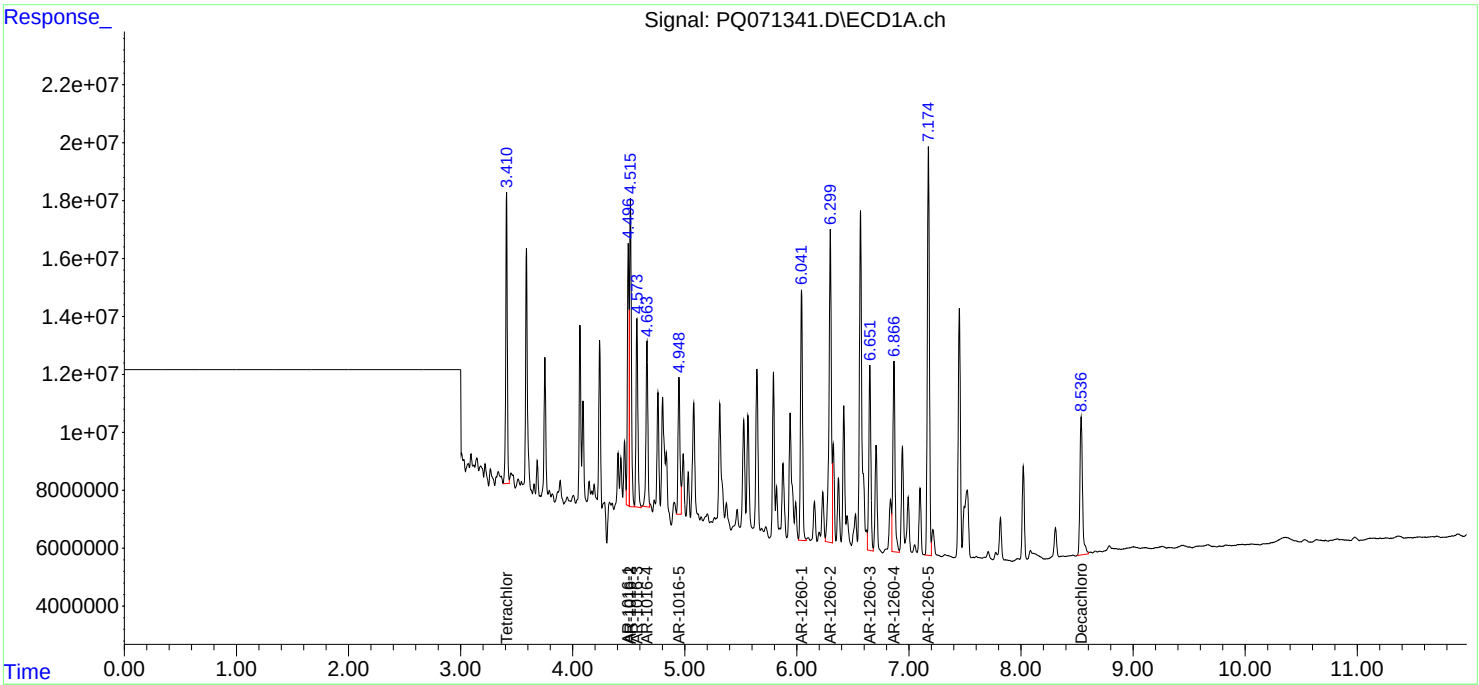
Instrument :
ECD_Q
ClientSampleId :
EO-01-11182025MSD

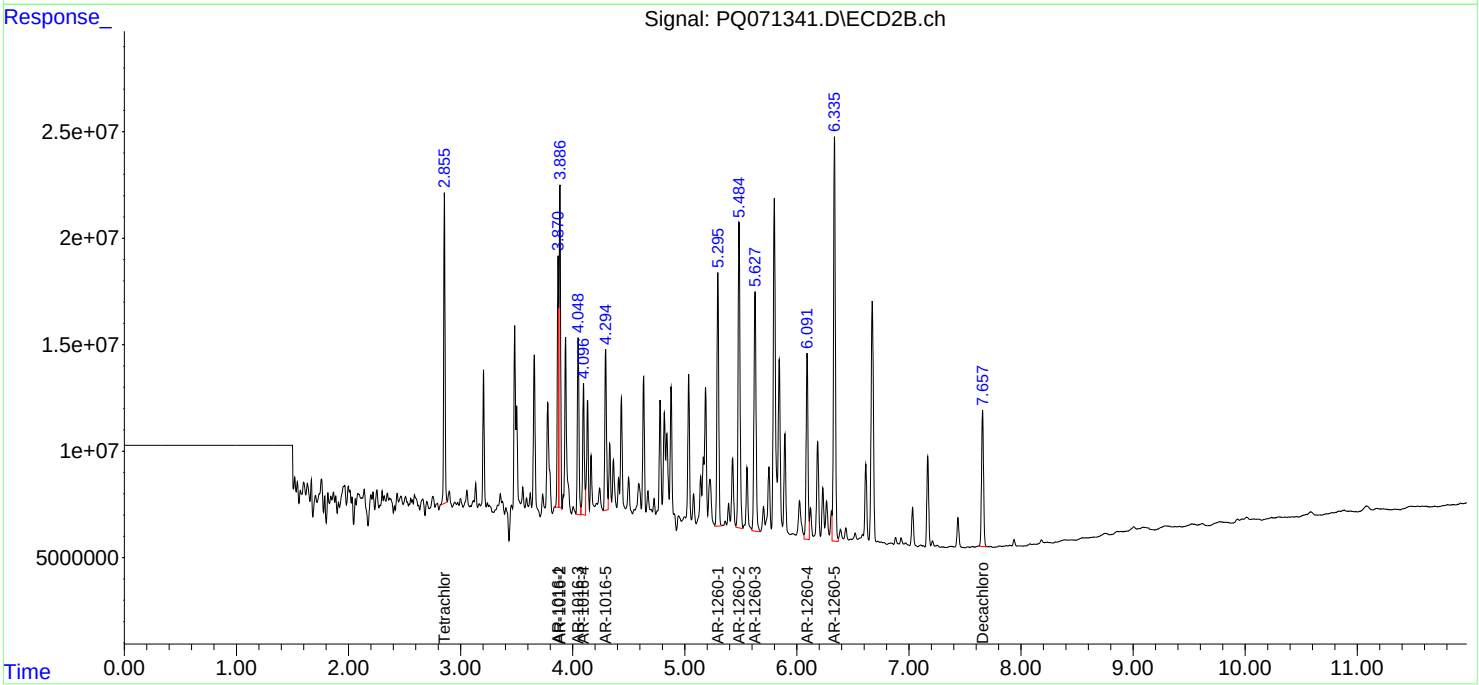
Manual Integrations APPROVED

Reviewed By :Rahul Chavli 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 07:30:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ111825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 19 04:02:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





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

Manual Integration Report

Sequence:	po110425	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC250	PO114874.D	AR-1260-1 #2	rahul	11/5/2025 8:39:44 AM	yogesh	11/5/2025 10:22:06	Peak Integrated by Software
AR1660ICC250	PO114874.D	AR-1260-2 #2	rahul	11/5/2025 8:39:44 AM	yogesh	11/5/2025 10:22:06	Peak Integrated by Software
AR1660ICC050	PO114875.D	AR-1016-3 #2	rahul	11/5/2025 8:39:48 AM	yogesh	11/5/2025 10:22:08	Peak Integrated by Software
AR1660ICC050	PO114875.D	AR-1016-5 #2	rahul	11/5/2025 8:39:48 AM	yogesh	11/5/2025 10:22:08	Peak Integrated by Software
AR1660ICC050	PO114875.D	AR-1260-1	rahul	11/5/2025 8:39:48 AM	yogesh	11/5/2025 10:22:08	Peak Integrated by Software
AR1660ICC050	PO114875.D	AR-1260-1 #2	rahul	11/5/2025 8:39:48 AM	yogesh	11/5/2025 10:22:08	Peak Integrated by Software
AR1660ICC050	PO114875.D	AR-1260-2	rahul	11/5/2025 8:39:48 AM	yogesh	11/5/2025 10:22:08	Peak Integrated by Software
AR1660ICC050	PO114875.D	AR-1260-2 #2	rahul	11/5/2025 8:39:48 AM	yogesh	11/5/2025 10:22:08	Peak Integrated by Software
AR1660ICC050	PO114875.D	AR-1260-3	rahul	11/5/2025 8:39:48 AM	yogesh	11/5/2025 10:22:08	Peak Integrated by Software
AR1660ICC050	PO114875.D	AR-1260-4	rahul	11/5/2025 8:39:48 AM	yogesh	11/5/2025 10:22:08	Peak Integrated by Software
AR1242ICC050	PO114882.D	AR-1242-5 #2	rahul	11/5/2025 8:39:51 AM	yogesh	11/5/2025 10:22:11	Peak Integrated by Software
AR1254ICC050	PO114892.D	AR-1254-1	rahul	11/5/2025 8:40:06 AM	yogesh	11/5/2025 10:22:11	Peak Integrated by Software
AR1254ICC050	PO114892.D	AR-1254-2	rahul	11/5/2025 8:40:06 AM	yogesh	11/5/2025 10:22:11	Peak Integrated by Software

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Manual Integration Report

Sequence:	po110425	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254ICC050	PO114892.D	AR-1254-4	rahul	11/5/2025 8:40:06 AM	yogesh	11/5/2025 10:22:11	Peak Integrated by Software
AR1254ICC050	PO114892.D	Decachlorobiphenyl	rahul	11/5/2025 8:40:06 AM	yogesh	11/5/2025 10:22:11	Peak Integrated by Software
AR1268ICC250	PO114897.D	AR-1268-1 #2	rahul	11/5/2025 8:40:09 AM	yogesh	11/5/2025 10:22:13	Peak Integrated by Software
AR1242ICV500	PO114900.D	AR-1242-1	rahul	11/5/2025 8:40:12 AM	yogesh	11/5/2025 10:22:14	Peak Integrated by Software
AR1242ICV500	PO114900.D	AR-1242-2	rahul	11/5/2025 8:40:12 AM	yogesh	11/5/2025 10:22:14	Peak Integrated by Software
AR1242ICV500	PO114900.D	AR-1242-3	rahul	11/5/2025 8:40:12 AM	yogesh	11/5/2025 10:22:14	Peak Integrated by Software
AR1242ICV500	PO114900.D	AR-1242-4	rahul	11/5/2025 8:40:12 AM	yogesh	11/5/2025 10:22:14	Peak Integrated by Software

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Manual Integration Report

Sequence:	PO111925	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC50 0	PO115205.D	AR-1016-1 #2	rahul	11/20/2025 10:32:43 AM	Sohil	11/20/2025 3:54:37	Peak Integrated by Software
AR1660CCC50 0	PO115205.D	AR-1016-2 #2	rahul	11/20/2025 10:32:43 AM	Sohil	11/20/2025 3:54:37	Peak Integrated by Software
I.BLK	PO115209.D	Decachlorobiphenyl	rahul	11/20/2025 10:32:40 AM	Sohil	11/20/2025 3:54:43	Peak Integrated by Software
Q3662-02	PO115214.D	Decachlorobiphenyl	rahul	11/20/2025 10:32:27 AM	Sohil	11/20/2025 3:55:38	Peak Integrated by Software
Q3662-04	PO115215.D	Decachlorobiphenyl #2	rahul	11/20/2025 10:32:24 AM	Sohil	11/20/2025 3:55:41	Peak Integrated by Software
AR1660CCC50 0	PO115220.D	AR-1016-1 #2	rahul	11/20/2025 10:32:07 AM	Sohil	11/20/2025 3:57:41	Peak Integrated by Software
AR1660CCC50 0	PO115220.D	AR-1016-2 #2	rahul	11/20/2025 10:32:07 AM	Sohil	11/20/2025 3:57:41	Peak Integrated by Software
AR1242CCC50 0	PO115221.D	AR-1242-1 #2	rahul	11/20/2025 10:32:05 AM	Sohil	11/20/2025 3:57:45	Peak Integrated by Software
AR1242CCC50 0	PO115221.D	AR-1242-2 #2	rahul	11/20/2025 10:32:05 AM	Sohil	11/20/2025 3:57:45	Peak Integrated by Software
AR1248CCC50 0	PO115222.D	AR-1248-1 #2	rahul	11/20/2025 10:32:02 AM	Sohil	11/20/2025 3:57:56	Peak Integrated by Software
AR1248CCC50 0	PO115222.D	Decachlorobiphenyl	rahul	11/20/2025 10:32:02 AM	Sohil	11/20/2025 3:57:56	Peak Integrated by Software
I.BLK	PO115224.D	Decachlorobiphenyl	rahul	11/20/2025 10:31:59 AM	Sohil	11/20/2025 3:57:59	Peak Integrated by Software
AR1248CCC50 0	PO115230.D	AR-1248-1 #2	rahul	11/20/2025 10:31:46 AM	Sohil	11/20/2025 3:58:27	Peak Integrated by Software

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Manual Integration Report

Sequence:	PO111925	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
I.BLK	PO115232.D	Decachlorobiphenyl	rahul	11/20/2025 10:31:39 AM	Sohil	11/20/2025 3:58:31	Peak Integrated by Software
AR1660CCC50 0	PO115242.D	AR-1016-1 #2	rahul	11/20/2025 10:30:09 AM	Sohil	11/20/2025 3:59:26	Peak Integrated by Software
AR1660CCC50 0	PO115242.D	AR-1016-2 #2	rahul	11/20/2025 10:30:09 AM	Sohil	11/20/2025 3:59:26	Peak Integrated by Software
I.BLK	PO115243.D	Decachlorobiphenyl	rahul	11/20/2025 10:30:04 AM	Sohil	11/20/2025 3:59:28	Peak Integrated by Software
AR1660CCC50 0	PO115252.D	AR-1016-1 #2	Rahul	11/20/2025 2:39:37 PM	Sohil	11/20/2025 3:57:07	Peak Integrated by Software
AR1660CCC50 0	PO115252.D	AR-1016-2 #2	Rahul	11/20/2025 2:39:37 PM	Sohil	11/20/2025 3:57:07	Peak Integrated by Software
I.BLK	PO115253.D	Decachlorobiphenyl	Rahul	11/20/2025 2:39:40 PM	Sohil	11/20/2025 3:56:38	Peak Integrated by Software

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Manual Integration Report

Sequence:	PQ111825	Instrument	ECD_q

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PQ071277.D	AR-1016-1 #2	rahul	11/19/2025 2:49:24 PM	Sohil	11/19/2025 3:38:24	Peak Integrated by Software
AR1660ICC050	PQ071277.D	AR-1016-2 #2	rahul	11/19/2025 2:49:24 PM	Sohil	11/19/2025 3:38:24	Peak Integrated by Software
AR1660ICC050	PQ071277.D	AR-1016-3 #2	rahul	11/19/2025 2:49:24 PM	Sohil	11/19/2025 3:38:24	Peak Integrated by Software
AR1660ICC050	PQ071277.D	AR-1016-4 #2	rahul	11/19/2025 2:49:24 PM	Sohil	11/19/2025 3:38:24	Peak Integrated by Software
AR1660ICC050	PQ071277.D	AR-1016-5 #2	rahul	11/19/2025 2:49:24 PM	Sohil	11/19/2025 3:38:24	Peak Integrated by Software
AR1660ICC050	PQ071277.D	AR-1260-1 #2	rahul	11/19/2025 2:49:24 PM	Sohil	11/19/2025 3:38:24	Peak Integrated by Software
AR1660ICC050	PQ071277.D	AR-1260-2	rahul	11/19/2025 2:49:24 PM	Sohil	11/19/2025 3:38:24	Peak Integrated by Software
AR1660ICC050	PQ071277.D	AR-1260-2 #2	rahul	11/19/2025 2:49:24 PM	Sohil	11/19/2025 3:38:24	Peak Integrated by Software
AR1660ICC050	PQ071277.D	AR-1260-3 #2	rahul	11/19/2025 2:49:24 PM	Sohil	11/19/2025 3:38:24	Peak Integrated by Software
AR1660ICC050	PQ071277.D	AR-1260-4 #2	rahul	11/19/2025 2:49:24 PM	Sohil	11/19/2025 3:38:24	Peak Integrated by Software
AR1660ICC050	PQ071277.D	AR-1260-5 #2	rahul	11/19/2025 2:49:24 PM	Sohil	11/19/2025 3:38:24	Peak Integrated by Software
AR1660ICC050	PQ071277.D	Decachlorobiphenyl #2	rahul	11/19/2025 2:49:24 PM	Sohil	11/19/2025 3:38:24	Peak Integrated by Software

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Manual Integration Report

Sequence:	PQ111825	Instrument	ECD_q

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

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

Manual Integration Report

Sequence:	pq111925	Instrument	ECD_q

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3669-01MS	PQ071340.D	AR-1016-1	Rahul	11/20/2025 10:58:15 AM	Sohil	11/20/2025 3:53:23	Peak Integrated by Software
Q3669-01MS	PQ071340.D	AR-1016-1 #2	Rahul	11/20/2025 10:58:15 AM	Sohil	11/20/2025 3:53:23	Peak Integrated by Software
Q3669-01MS	PQ071340.D	AR-1016-2	Rahul	11/20/2025 10:58:15 AM	Sohil	11/20/2025 3:53:23	Peak Integrated by Software
Q3669-01MS	PQ071340.D	AR-1016-2 #2	Rahul	11/20/2025 10:58:15 AM	Sohil	11/20/2025 3:53:23	Peak Integrated by Software
Q3669-01MS	PQ071340.D	AR-1016-3	Rahul	11/20/2025 10:58:15 AM	Sohil	11/20/2025 3:53:23	Peak Integrated by Software
Q3669-01MS	PQ071340.D	AR-1016-3 #2	Rahul	11/20/2025 10:58:15 AM	Sohil	11/20/2025 3:53:23	Peak Integrated by Software
Q3669-01MS	PQ071340.D	AR-1016-4	Rahul	11/20/2025 10:58:15 AM	Sohil	11/20/2025 3:53:23	Peak Integrated by Software
Q3669-01MS	PQ071340.D	AR-1016-4 #2	Rahul	11/20/2025 10:58:15 AM	Sohil	11/20/2025 3:53:23	Peak Integrated by Software
Q3669-01MS	PQ071340.D	AR-1016-5	Rahul	11/20/2025 10:58:15 AM	Sohil	11/20/2025 3:53:23	Peak Integrated by Software
Q3669-01MS	PQ071340.D	AR-1016-5 #2	Rahul	11/20/2025 10:58:15 AM	Sohil	11/20/2025 3:53:23	Peak Integrated by Software
Q3669-01MS	PQ071340.D	Tetrachloro-m-xylene	Rahul	11/20/2025 10:58:15 AM	Sohil	11/20/2025 3:53:23	Peak Integrated by Software
Q3669-01MS	PQ071340.D	Tetrachloro-m-xylene #2	Rahul	11/20/2025 10:58:15 AM	Sohil	11/20/2025 3:53:23	Peak Integrated by Software
Q3669-01MSD	PQ071341.D	AR-1016-1	Rahul	11/20/2025 10:58:18 AM	Sohil	11/20/2025 3:53:25	Peak Integrated by Software

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Manual Integration Report

Sequence:	pq111925	Instrument	ECD_q

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3669-01MSD	PQ071341.D	AR-1016-1 #2	Rahul	11/20/2025 10:58:18 AM	Sohil	11/20/2025 3:53:25	Peak Integrated by Software
Q3669-01MSD	PQ071341.D	AR-1016-2	Rahul	11/20/2025 10:58:18 AM	Sohil	11/20/2025 3:53:25	Peak Integrated by Software
Q3669-01MSD	PQ071341.D	AR-1016-2 #2	Rahul	11/20/2025 10:58:18 AM	Sohil	11/20/2025 3:53:25	Peak Integrated by Software
Q3669-01MSD	PQ071341.D	AR-1016-3	Rahul	11/20/2025 10:58:18 AM	Sohil	11/20/2025 3:53:25	Peak Integrated by Software
Q3669-01MSD	PQ071341.D	AR-1016-3 #2	Rahul	11/20/2025 10:58:18 AM	Sohil	11/20/2025 3:53:25	Peak Integrated by Software
Q3669-01MSD	PQ071341.D	AR-1016-4	Rahul	11/20/2025 10:58:18 AM	Sohil	11/20/2025 3:53:25	Peak Integrated by Software
Q3669-01MSD	PQ071341.D	AR-1016-4 #2	Rahul	11/20/2025 10:58:18 AM	Sohil	11/20/2025 3:53:25	Peak Integrated by Software
Q3669-01MSD	PQ071341.D	AR-1016-5	Rahul	11/20/2025 10:58:18 AM	Sohil	11/20/2025 3:53:25	Peak Integrated by Software
Q3669-01MSD	PQ071341.D	AR-1016-5 #2	Rahul	11/20/2025 10:58:18 AM	Sohil	11/20/2025 3:53:25	Peak Integrated by Software
Q3669-01MSD	PQ071341.D	AR-1260-1 #2	Rahul	11/20/2025 10:58:18 AM	Sohil	11/20/2025 3:53:25	Peak Integrated by Software
Q3669-01MSD	PQ071341.D	AR-1260-2 #2	Rahul	11/20/2025 10:58:18 AM	Sohil	11/20/2025 3:53:25	Peak Integrated by Software
Q3669-01MSD	PQ071341.D	AR-1260-3 #2	Rahul	11/20/2025 10:58:18 AM	Sohil	11/20/2025 3:53:25	Peak Integrated by Software
Q3669-01MSD	PQ071341.D	Tetrachloro-m-xylene	Rahul	11/20/2025 10:58:18 AM	Sohil	11/20/2025 3:53:25	Peak Integrated by Software

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Manual Integration Report

Sequence:	pq111925	Instrument	ECD_q

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3669-01MSD	PQ071341.D	Tetrachloro-m-xylene #2	Rahul	11/20/2025 10:58:18 AM	Sohil	11/20/2025 3:53:25	Peak Integrated by Software
AR1660CCC50 0	PQ071344.D	AR-1016-3 #2	Rahul	11/20/2025 10:58:25 AM	Sohil	11/20/2025 3:53:35	Peak Integrated by Software
AR1660CCC50 0	PQ071344.D	AR-1016-4 #2	Rahul	11/20/2025 10:58:25 AM	Sohil	11/20/2025 3:53:35	Peak Integrated by Software
AR1660CCC50 0	PQ071344.D	AR-1016-5 #2	Rahul	11/20/2025 10:58:25 AM	Sohil	11/20/2025 3:53:35	Peak Integrated by Software
AR1660CCC50 0	PQ071344.D	AR-1260-1 #2	Rahul	11/20/2025 10:58:25 AM	Sohil	11/20/2025 3:53:35	Peak Integrated by Software
AR1660CCC50 0	PQ071344.D	AR-1260-2 #2	Rahul	11/20/2025 10:58:25 AM	Sohil	11/20/2025 3:53:35	Peak Integrated by Software
AR1660CCC50 0	PQ071344.D	AR-1260-3 #2	Rahul	11/20/2025 10:58:25 AM	Sohil	11/20/2025 3:53:35	Peak Integrated by Software
AR1660CCC50 0	PQ071352.D	AR-1016-1 #2	Rahul	11/20/2025 10:58:37 AM	Sohil	11/20/2025 3:53:46	Peak Integrated by Software
AR1660CCC50 0	PQ071352.D	AR-1016-2 #2	Rahul	11/20/2025 10:58:37 AM	Sohil	11/20/2025 3:53:46	Peak Integrated by Software
AR1660CCC50 0	PQ071352.D	AR-1016-3 #2	Rahul	11/20/2025 10:58:37 AM	Sohil	11/20/2025 3:53:46	Peak Integrated by Software
AR1660CCC50 0	PQ071352.D	AR-1016-4 #2	Rahul	11/20/2025 10:58:37 AM	Sohil	11/20/2025 3:53:46	Peak Integrated by Software
AR1660CCC50 0	PQ071352.D	AR-1016-5 #2	Rahul	11/20/2025 10:58:37 AM	Sohil	11/20/2025 3:53:46	Peak Integrated by Software
AR1660CCC50 0	PQ071352.D	AR-1260-1 #2	Rahul	11/20/2025 10:58:37 AM	Sohil	11/20/2025 3:53:46	Peak Integrated by Software

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Manual Integration Report

Sequence:	pq111925	Instrument	ECD_q

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PQ071352.D	AR-1260-2 #2	Rahul	11/20/2025 10:58:37 AM	Sohil	11/20/2025 3:53:46	Peak Integrated by Software
AR1660CCC500	PQ071352.D	AR-1260-3 #2	Rahul	11/20/2025 10:58:37 AM	Sohil	11/20/2025 3:53:46	Peak Integrated by Software
AR1660CCC500	PQ071352.D	AR-1260-4 #2	Rahul	11/20/2025 10:58:37 AM	Sohil	11/20/2025 3:53:46	Peak Integrated by Software
AR1660CCC500	PQ071361.D	AR-1016-1 #2	Rahul	11/20/2025 10:58:51 AM	Sohil	11/20/2025 3:53:59	Peak Integrated by Software
AR1660CCC500	PQ071361.D	AR-1016-2 #2	Rahul	11/20/2025 10:58:51 AM	Sohil	11/20/2025 3:53:59	Peak Integrated by Software
AR1660CCC500	PQ071361.D	AR-1016-3 #2	Rahul	11/20/2025 10:58:51 AM	Sohil	11/20/2025 3:53:59	Peak Integrated by Software
AR1660CCC500	PQ071361.D	AR-1016-4 #2	Rahul	11/20/2025 10:58:51 AM	Sohil	11/20/2025 3:53:59	Peak Integrated by Software
AR1660CCC500	PQ071361.D	AR-1016-5 #2	Rahul	11/20/2025 10:58:51 AM	Sohil	11/20/2025 3:53:59	Peak Integrated by Software
AR1660CCC500	PQ071361.D	AR-1260-1 #2	Rahul	11/20/2025 10:58:51 AM	Sohil	11/20/2025 3:53:59	Peak Integrated by Software
AR1660CCC500	PQ071361.D	AR-1260-2 #2	Rahul	11/20/2025 10:58:51 AM	Sohil	11/20/2025 3:53:59	Peak Integrated by Software
AR1660CCC500	PQ071361.D	AR-1260-3 #2	Rahul	11/20/2025 10:58:51 AM	Sohil	11/20/2025 3:53:59	Peak Integrated by Software
AR1660CCC500	PQ071361.D	AR-1260-4 #2	Rahul	11/20/2025 10:58:51 AM	Sohil	11/20/2025 3:53:59	Peak Integrated by Software
AR1660CCC500	PQ071361.D	AR-1260-5 #2	Rahul	11/20/2025 10:58:51 AM	Sohil	11/20/2025 3:53:59	Peak Integrated by Software

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Manual Integration Report

Sequence:	pq111925	Instrument	ECD_q

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PQ071361.D	Tetrachloro-m-xylene #2	Rahul	11/20/2025 10:58:51 AM	Sohil	11/20/2025 3:53:59	Peak Integrated by Software

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO110425

Review By	yogesh	Review On	11/4/2025 12:15:43 PM		
Supervise By	rahul	Supervise On	11/5/2025 8:40:26 AM		
SubDirectory	PO110425	HP Acquire Method		HP Processing Method	PO110425

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO114869.D	04 Nov 2025 09:03	YP/AJ	Ok
2	I.BLK	PO114870.D	04 Nov 2025 09:21	YP/AJ	Ok
3	AR1660ICC1000	PO114871.D	04 Nov 2025 09:39	YP/AJ	Ok
4	AR1660ICC750	PO114872.D	04 Nov 2025 09:58	YP/AJ	Ok
5	AR1660ICC500	PO114873.D	04 Nov 2025 10:16	YP/AJ	Ok
6	AR1660ICC250	PO114874.D	04 Nov 2025 10:34	YP/AJ	Ok,M
7	AR1660ICC050	PO114875.D	04 Nov 2025 10:53	YP/AJ	Ok,M
8	AR1221ICC500	PO114876.D	04 Nov 2025 11:11	YP/AJ	Ok
9	AR1232ICC500	PO114877.D	04 Nov 2025 11:30	YP/AJ	Ok
10	AR1242ICC1000	PO114878.D	04 Nov 2025 11:48	YP/AJ	Ok
11	AR1242ICC750	PO114879.D	04 Nov 2025 12:06	YP/AJ	Ok
12	AR1242ICC500	PO114880.D	04 Nov 2025 12:25	YP/AJ	Ok
13	AR1242ICC250	PO114881.D	04 Nov 2025 12:42	YP/AJ	Ok
14	AR1242ICC050	PO114882.D	04 Nov 2025 13:00	YP/AJ	Ok,M
15	AR1248ICC1000	PO114883.D	04 Nov 2025 13:19	YP/AJ	Ok
16	AR1248ICC750	PO114884.D	04 Nov 2025 13:37	YP/AJ	Ok
17	AR1248ICC500	PO114885.D	04 Nov 2025 13:56	YP/AJ	Ok
18	AR1248ICC250	PO114886.D	04 Nov 2025 14:14	YP/AJ	Ok
19	AR1248ICC050	PO114887.D	04 Nov 2025 14:33	YP/AJ	Ok
20	AR1254ICC1000	PO114888.D	04 Nov 2025 14:51	YP/AJ	Ok
21	AR1254ICC750	PO114889.D	04 Nov 2025 15:09	YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO110425

Review By	yogesh	Review On	11/4/2025 12:15:43 PM		
Supervise By	rahul	Supervise On	11/5/2025 8:40:26 AM		
SubDirectory	PO110425	HP Acquire Method		HP Processing Method	PO110425

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	AR1254ICC500	PO114890.D	04 Nov 2025 15:28	YP/AJ	Ok
23	AR1254ICC250	PO114891.D	04 Nov 2025 16:04	YP/AJ	Ok
24	AR1254ICC050	PO114892.D	04 Nov 2025 16:23	YP/AJ	Ok,M
25	AR1262ICC500	PO114893.D	04 Nov 2025 17:00	YP/AJ	Ok
26	AR1268ICC1000	PO114894.D	04 Nov 2025 17:18	YP/AJ	Ok
27	AR1268ICC750	PO114895.D	04 Nov 2025 17:36	YP/AJ	Ok
28	AR1268ICC500	PO114896.D	04 Nov 2025 17:55	YP/AJ	Ok
29	AR1268ICC250	PO114897.D	04 Nov 2025 18:13	YP/AJ	Ok,M
30	AR1268ICC050	PO114898.D	04 Nov 2025 18:31	YP/AJ	Ok
31	PO110425ICV500	PO114899.D	04 Nov 2025 19:08	YP/AJ	Ok
32	AR1242ICV500	PO114900.D	04 Nov 2025 20:21	YP/AJ	Ok,M
33	AR1248ICV500	PO114901.D	04 Nov 2025 20:58	YP/AJ	Ok
34	AR1254ICV500	PO114902.D	04 Nov 2025 21:35	YP/AJ	Ok
35	AR1268ICV500	PO114903.D	04 Nov 2025 22:12	YP/AJ	Ok
36	DDT ANALOG	PO114904.D	04 Nov 2025 22:48	YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO111925

Review By	rahul	Review On	11/19/2025 3:01:54 PM		
Supervise By	Sohil	Supervise On	11/20/2025 3:59:53 PM		
SubDirectory	PO111925	HP Acquire Method		HP Processing Method	PO110425

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829 ,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO115204.D	19 Nov 2025 09:20	YP/AJ	Ok
2	AR1660CCC500	PO115205.D	19 Nov 2025 09:38	YP/AJ	Ok,M
3	AR1242CCC500	PO115206.D	19 Nov 2025 10:05	YP/AJ	Ok
4	AR1248CCC500	PO115207.D	19 Nov 2025 10:23	YP/AJ	Ok
5	AR1254CCC500	PO115208.D	19 Nov 2025 10:41	YP/AJ	Ok
6	I.BLK	PO115209.D	19 Nov 2025 11:00	YP/AJ	Ok,M
7	PB170580BL	PO115210.D	19 Nov 2025 12:04	YP/AJ	Ok,M
8	PB170580BS	PO115211.D	19 Nov 2025 12:22	YP/AJ	Ok,M
9	Q3637-01	PO115212.D	19 Nov 2025 12:40	YP/AJ	Ok,M
10	Q3665-01	PO115213.D	19 Nov 2025 12:59	YP/AJ	Ok,M
11	Q3662-02	PO115214.D	19 Nov 2025 13:17	YP/AJ	Ok,M
12	Q3662-04	PO115215.D	19 Nov 2025 13:35	YP/AJ	Ok,M
13	Q3664-01	PO115216.D	19 Nov 2025 13:54	YP/AJ	Ok,M
14	Q3664-03	PO115217.D	19 Nov 2025 14:12	YP/AJ	Ok,M
15	Q3664-05	PO115218.D	19 Nov 2025 14:30	YP/AJ	Ok,M
16	Q3666-01	PO115219.D	19 Nov 2025 14:49	YP/AJ	Ok,M
17	AR1660CCC500	PO115220.D	19 Nov 2025 15:26	YP/AJ	Ok,M
18	AR1242CCC500	PO115221.D	19 Nov 2025 15:44	YP/AJ	Ok,M
19	AR1248CCC500	PO115222.D	19 Nov 2025 16:02	YP/AJ	Ok,M
20	AR1254CCC500	PO115223.D	19 Nov 2025 16:21	YP/AJ	Ok
21	I.BLK	PO115224.D	19 Nov 2025 16:39	YP/AJ	Ok,M

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO111925

Review By	rahul	Review On	11/19/2025 3:01:54 PM		
Supervise By	Sohil	Supervise On	11/20/2025 3:59:53 PM		
SubDirectory	PO111925	HP Acquire Method		HP Processing Method	PO110425

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829 ,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q3667-01	PO115225.D	19 Nov 2025 16:57	YP/AJ	Ok,M
23	Q3667-03	PO115226.D	19 Nov 2025 17:16	YP/AJ	Ok,M
24	Q3667-05	PO115227.D	19 Nov 2025 17:34	YP/AJ	Not Ok
25	Q3667-07	PO115228.D	19 Nov 2025 17:53	YP/AJ	Ok,M
26	AR1660CCC500	PO115229.D	20 Nov 2025 00:53	YP/AJ	Ok
27	AR1248CCC500	PO115230.D	20 Nov 2025 01:48	YP/AJ	Ok,M
28	AR1254CCC500	PO115231.D	20 Nov 2025 02:06	YP/AJ	Ok
29	I.BLK	PO115232.D	20 Nov 2025 02:24	YP/AJ	Ok,M
30	Q3530-02	PO115233.D	20 Nov 2025 02:43	YP/AJ	Ok,M
31	Q3530-02	PO115234.D	20 Nov 2025 03:01	YP/AJ	Not Ok
32	Q3530-02	PO115235.D	20 Nov 2025 03:20	YP/AJ	Not Ok
33	Q3530-02	PO115236.D	20 Nov 2025 03:38	YP/AJ	Not Ok
34	Q3530-02	PO115237.D	20 Nov 2025 03:56	YP/AJ	Not Ok
35	Q3530-02	PO115238.D	20 Nov 2025 04:15	YP/AJ	Not Ok
36	Q3530-02	PO115239.D	20 Nov 2025 04:33	YP/AJ	Not Ok
37	Q3530-02	PO115240.D	20 Nov 2025 04:51	YP/AJ	Not Ok
38	PB170532BL	PO115241.D	20 Nov 2025 05:10	YP/AJ	Ok,M
39	AR1660CCC500	PO115242.D	20 Nov 2025 06:05	YP/AJ	Ok,M
40	I.BLK	PO115243.D	20 Nov 2025 06:41	YP/AJ	Ok,M
41	Q3530-08	PO115244.D	20 Nov 2025 07:00	YP/AJ	Ok,M
42	Q3530-08	PO115245.D	20 Nov 2025 07:18	YP/AJ	Not Ok
43	Q3530-08	PO115246.D	20 Nov 2025 07:36	YP/AJ	Not Ok
44	Q3530-08	PO115247.D	20 Nov 2025 07:55	YP/AJ	Ok,M

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO111925

Review By	rahul	Review On	11/19/2025 3:01:54 PM		
Supervise By	Sohil	Supervise On	11/20/2025 3:59:53 PM		
SubDirectory	PO111925	HP Acquire Method		HP Processing Method	PO110425

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829 ,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

45	Q3530-08	PO115248.D	20 Nov 2025 08:13	YP/AJ	Not Ok
46	Q3530-08	PO115249.D	20 Nov 2025 08:31	YP/AJ	Not Ok
47	Q3530-08	PO115250.D	20 Nov 2025 08:50	YP/AJ	Not Ok
48	Q3530-08	PO115251.D	20 Nov 2025 09:08	YP/AJ	Not Ok
49	AR1660CCC500	PO115252.D	20 Nov 2025 09:26	YP/AJ	Ok,M
50	I.BLK	PO115253.D	20 Nov 2025 09:45	YP/AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QCBatch ID # PQ111825

Review By	rahul	Review On	11/19/2025 8:33:53 AM		
Supervise By	Sohil	Supervise On	11/19/2025 3:39:22 PM		
SubDirectory	PQ111825	HP Acquire Method		HP Processing Method	PQ111825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829 ,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PQ071271.D	18 Nov 2025 11:44	YP\AJ	Ok
2	I.BLK	PQ071272.D	18 Nov 2025 11:59	YP\AJ	Ok
3	AR1660ICC1000	PQ071273.D	18 Nov 2025 12:13	YP\AJ	Ok
4	AR1660ICC750	PQ071274.D	18 Nov 2025 12:28	YP\AJ	Ok
5	AR1660ICC500	PQ071275.D	18 Nov 2025 12:43	YP\AJ	Ok
6	AR1660ICC250	PQ071276.D	18 Nov 2025 12:57	YP\AJ	Ok
7	AR1660ICC050	PQ071277.D	18 Nov 2025 15:42	YP\AJ	Ok,M
8	AR1221ICC500	PQ071278.D	18 Nov 2025 16:25	YP\AJ	Ok
9	AR1232ICC500	PQ071279.D	18 Nov 2025 16:39	YP\AJ	Ok
10	AR1242ICC500	PQ071280.D	18 Nov 2025 16:54	YP\AJ	Ok
11	AR1248ICC500	PQ071281.D	18 Nov 2025 17:08	YP\AJ	Ok
12	AR1254ICC500	PQ071282.D	18 Nov 2025 17:23	YP\AJ	Ok
13	AR1262ICC500	PQ071283.D	18 Nov 2025 17:37	YP\AJ	Ok
14	AR1268ICC500	PQ071284.D	18 Nov 2025 17:52	YP\AJ	Ok
15	PQ111825ICV500	PQ071285.D	18 Nov 2025 18:07	YP\AJ	Ok
16	AR1660CCC500	PQ071286.D	18 Nov 2025 18:36	YP\AJ	Ok
17	I.BLK	PQ071287.D	18 Nov 2025 19:05	YP\AJ	Ok
18	PB170532BL	PQ071288.D	18 Nov 2025 19:20	YP\AJ	Not Ok
19	Q3530-03	PQ071289.D	18 Nov 2025 19:34	YP\AJ	Ok
20	Q3530-03	PQ071290.D	18 Nov 2025 19:49	YP\AJ	Not Ok
21	Q3530-03	PQ071291.D	18 Nov 2025 20:03	YP\AJ	Not Ok

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Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QCBatch ID # PQ111825

Review By	rahul	Review On	11/19/2025 8:33:53 AM		
Supervise By	Sohil	Supervise On	11/19/2025 3:39:22 PM		
SubDirectory	PQ111825	HP Acquire Method		HP Processing Method	PQ111825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829 ,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q3530-03	PQ071292.D	18 Nov 2025 20:18	YP\AJ	Not Ok
23	Q3530-03	PQ071293.D	18 Nov 2025 20:33	YP\AJ	Not Ok
24	Q3530-03	PQ071294.D	18 Nov 2025 20:47	YP\AJ	Not Ok
25	Q3530-03	PQ071295.D	18 Nov 2025 21:02	YP\AJ	Not Ok
26	Q3530-03	PQ071296.D	18 Nov 2025 21:16	YP\AJ	Ok
27	AR1660CCC500	PQ071297.D	18 Nov 2025 22:14	YP\AJ	Ok
28	I.BLK	PQ071298.D	19 Nov 2025 00:49	YP\AJ	Ok
29	PB170530BL	PQ071299.D	19 Nov 2025 01:03	YP\AJ	Ok
30	Q3530-09	PQ071300.D	19 Nov 2025 01:18	YP\AJ	Ok
31	Q3530-09	PQ071301.D	19 Nov 2025 01:32	YP\AJ	Not Ok
32	Q3530-09	PQ071302.D	19 Nov 2025 01:47	YP\AJ	Not Ok
33	Q3530-09	PQ071303.D	19 Nov 2025 02:01	YP\AJ	Not Ok
34	Q3530-09	PQ071304.D	19 Nov 2025 02:16	YP\AJ	Not Ok
35	Q3530-09	PQ071305.D	19 Nov 2025 02:31	YP\AJ	Not Ok
36	Q3530-09	PQ071306.D	19 Nov 2025 02:45	YP\AJ	Ok,M
37	Q3530-09	PQ071307.D	19 Nov 2025 03:00	YP\AJ	Ok
38	AR1660CCC500	PQ071308.D	19 Nov 2025 03:58	YP\AJ	Ok
39	I.BLK	PQ071309.D	19 Nov 2025 04:30	YP\AJ	Ok
40	Q3530-02	PQ071310.D	19 Nov 2025 04:44	YP\AJ	Not Ok
41	Q3530-02	PQ071311.D	19 Nov 2025 04:59	YP\AJ	Ok,M
42	Q3530-02	PQ071312.D	19 Nov 2025 05:14	YP\AJ	Ok,M
43	Q3530-02	PQ071313.D	19 Nov 2025 05:28	YP\AJ	Ok,M
44	Q3530-02	PQ071314.D	19 Nov 2025 05:43	YP\AJ	Ok

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Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QCBatch ID # PQ111825

Review By	rahul	Review On	11/19/2025 8:33:53 AM		
Supervise By	Sohil	Supervise On	11/19/2025 3:39:22 PM		
SubDirectory	PQ111825	HP Acquire Method		HP Processing Method	PQ111825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829 ,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

45	Q3530-02	PQ071315.D	19 Nov 2025 05:57	YP\AJ	Ok,M
46	Q3530-02	PQ071316.D	19 Nov 2025 06:12	YP\AJ	Ok
47	Q3530-02	PQ071317.D	19 Nov 2025 06:27	YP\AJ	Ok,M
48	AR1660CCC500	PQ071318.D	19 Nov 2025 07:25	YP\AJ	Ok
49	I.BLK	PQ071319.D	19 Nov 2025 08:09	YP\AJ	Ok
50	Q3530-08	PQ071320.D	19 Nov 2025 08:23	YP\AJ	Not Ok
51	Q3530-08	PQ071321.D	19 Nov 2025 08:38	YP\AJ	Ok,M
52	Q3530-08	PQ071322.D	19 Nov 2025 08:52	YP\AJ	Ok,M
53	Q3530-08	PQ071323.D	19 Nov 2025 09:07	YP\AJ	Ok,M
54	Q3530-08	PQ071324.D	19 Nov 2025 09:21	YP\AJ	Ok,M
55	Q3530-08	PQ071325.D	19 Nov 2025 09:36	YP\AJ	Not Ok
56	Q3530-08	PQ071326.D	19 Nov 2025 09:51	YP\AJ	Ok,M
57	Q3530-08	PQ071327.D	19 Nov 2025 10:05	YP\AJ	Not Ok
58	AR1660CCC500	PQ071328.D	19 Nov 2025 11:03	YP\AJ	Ok
59	I.BLK	PQ071329.D	19 Nov 2025 11:19	YP\AJ	Ok
60	DDT ANALOG	PQ071330.D	19 Nov 2025 11:33	YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QCBatch ID # PQ111925

Review By	rahul	Review On	11/19/2025 2:55:18 PM		
Supervise By	Sohil	Supervise On	11/20/2025 3:54:26 PM		
SubDirectory	PQ111925	HP Acquire Method		HP Processing Method	PQ111825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829 ,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PQ071331.D	19 Nov 2025 12:49	YP\AJ	Ok
2	AR1660CCC500	PQ071332.D	19 Nov 2025 13:04	YP\AJ	Ok
3	I.BLK	PQ071333.D	19 Nov 2025 13:18	YP\AJ	Ok
4	PB170627BL	PQ071334.D	19 Nov 2025 13:34	YP\AJ	Ok
5	PB170627BS	PQ071335.D	19 Nov 2025 13:48	YP\AJ	Ok
6	PB170633BL	PQ071336.D	19 Nov 2025 14:03	YP\AJ	Ok
7	PB170633BS	PQ071337.D	19 Nov 2025 14:18	YP\AJ	Ok
8	Q3668-01	PQ071338.D	19 Nov 2025 14:32	YP\AJ	Ok
9	Q3669-01	PQ071339.D	19 Nov 2025 14:47	YP\AJ	Ok,M
10	Q3669-01MS	PQ071340.D	19 Nov 2025 15:01	YP\AJ	Ok,M
11	Q3669-01MSD	PQ071341.D	19 Nov 2025 15:16	YP\AJ	Ok,M
12	Q3654-01	PQ071342.D	19 Nov 2025 15:30	YP\AJ	Ok,M
13	Q3654-02	PQ071343.D	19 Nov 2025 15:45	YP\AJ	Ok,M
14	AR1660CCC500	PQ071344.D	19 Nov 2025 17:27	YP\AJ	Ok,M
15	I.BLK	PQ071345.D	19 Nov 2025 17:42	YP\AJ	Ok
16	PB170532BL	PQ071346.D	19 Nov 2025 17:56	YP\AJ	Not Ok
17	Q3530-03	PQ071347.D	19 Nov 2025 18:11	YP\AJ	Ok,M
18	Q3530-03	PQ071348.D	19 Nov 2025 18:25	YP\AJ	Ok,M
19	Q3530-03	PQ071349.D	19 Nov 2025 18:40	YP\AJ	Ok,M
20	Q3530-03	PQ071350.D	19 Nov 2025 18:54	YP\AJ	Not Ok
21	Q3530-03	PQ071351.D	19 Nov 2025 19:09	YP\AJ	Ok,M

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Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QCBatch ID # PQ111925

Review By	rahul	Review On	11/19/2025 2:55:18 PM		
Supervise By	Sohil	Supervise On	11/20/2025 3:54:26 PM		
SubDirectory	PQ111925	HP Acquire Method		HP Processing Method	PQ111825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829 ,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	AR1660CCC500	PQ071352.D	19 Nov 2025 19:53	YP\AJ	Ok,M
23	I.BLK	PQ071353.D	19 Nov 2025 20:22	YP\AJ	Ok
24	Q3530-03	PQ071354.D	19 Nov 2025 20:36	YP\AJ	Ok,M
25	Q3530-03	PQ071355.D	19 Nov 2025 20:51	YP\AJ	Ok,M
26	Q3530-03	PQ071356.D	19 Nov 2025 21:06	YP\AJ	Ok,M
27	Q3530-03	PQ071357.D	19 Nov 2025 21:20	YP\AJ	Not Ok
28	Q3530-03	PQ071358.D	19 Nov 2025 21:35	YP\AJ	Ok,M
29	Q3530-02	PQ071359.D	19 Nov 2025 21:49	YP\AJ	Ok
30	Q3530-08	PQ071360.D	19 Nov 2025 22:04	YP\AJ	Ok
31	AR1660CCC500	PQ071361.D	19 Nov 2025 22:48	YP\AJ	Ok,M
32	I.BLK	PQ071362.D	19 Nov 2025 23:17	YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO110425

Review By	yogesh	Review On	11/4/2025 12:15:43 PM		
Supervise By	rahul	Supervise On	11/5/2025 8:40:26 AM		
SubDirectory	PO110425	HP Acquire Method		HP Processing Method	PO110425

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO114869.D	04 Nov 2025 09:03		YP/AJ	Ok
2	I.BLK	I.BLK	PO114870.D	04 Nov 2025 09:21		YP/AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PO114871.D	04 Nov 2025 09:39		YP/AJ	Ok
4	AR1660ICC750	AR1660ICC750	PO114872.D	04 Nov 2025 09:58		YP/AJ	Ok
5	AR1660ICC500	AR1660ICC500	PO114873.D	04 Nov 2025 10:16		YP/AJ	Ok
6	AR1660ICC250	AR1660ICC250	PO114874.D	04 Nov 2025 10:34		YP/AJ	Ok,M
7	AR1660ICC050	AR1660ICC050	PO114875.D	04 Nov 2025 10:53		YP/AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PO114876.D	04 Nov 2025 11:11		YP/AJ	Ok
9	AR1232ICC500	AR1232ICC500	PO114877.D	04 Nov 2025 11:30		YP/AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PO114878.D	04 Nov 2025 11:48		YP/AJ	Ok
11	AR1242ICC750	AR1242ICC750	PO114879.D	04 Nov 2025 12:06		YP/AJ	Ok
12	AR1242ICC500	AR1242ICC500	PO114880.D	04 Nov 2025 12:25		YP/AJ	Ok
13	AR1242ICC250	AR1242ICC250	PO114881.D	04 Nov 2025 12:42		YP/AJ	Ok
14	AR1242ICC050	AR1242ICC050	PO114882.D	04 Nov 2025 13:00		YP/AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PO114883.D	04 Nov 2025 13:19		YP/AJ	Ok
16	AR1248ICC750	AR1248ICC750	PO114884.D	04 Nov 2025 13:37		YP/AJ	Ok
17	AR1248ICC500	AR1248ICC500	PO114885.D	04 Nov 2025 13:56		YP/AJ	Ok
18	AR1248ICC250	AR1248ICC250	PO114886.D	04 Nov 2025 14:14		YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO110425

Review By	yogesh	Review On	11/4/2025 12:15:43 PM		
Supervise By	rahul	Supervise On	11/5/2025 8:40:26 AM		
SubDirectory	PO110425	HP Acquire Method		HP Processing Method	PO110425

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248ICC050	AR1248ICC050	PO114887.D	04 Nov 2025 14:33		YP/AJ	Ok
20	AR1254ICC1000	AR1254ICC1000	PO114888.D	04 Nov 2025 14:51		YP/AJ	Ok
21	AR1254ICC750	AR1254ICC750	PO114889.D	04 Nov 2025 15:09		YP/AJ	Ok
22	AR1254ICC500	AR1254ICC500	PO114890.D	04 Nov 2025 15:28		YP/AJ	Ok
23	AR1254ICC250	AR1254ICC250	PO114891.D	04 Nov 2025 16:04		YP/AJ	Ok
24	AR1254ICC050	AR1254ICC050	PO114892.D	04 Nov 2025 16:23		YP/AJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PO114893.D	04 Nov 2025 17:00		YP/AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PO114894.D	04 Nov 2025 17:18		YP/AJ	Ok
27	AR1268ICC750	AR1268ICC750	PO114895.D	04 Nov 2025 17:36		YP/AJ	Ok
28	AR1268ICC500	AR1268ICC500	PO114896.D	04 Nov 2025 17:55		YP/AJ	Ok
29	AR1268ICC250	AR1268ICC250	PO114897.D	04 Nov 2025 18:13		YP/AJ	Ok,M
30	AR1268ICC050	AR1268ICC050	PO114898.D	04 Nov 2025 18:31		YP/AJ	Ok
31	PO110425ICV500	ICVPO110425	PO114899.D	04 Nov 2025 19:08		YP/AJ	Ok
32	AR1242ICV500	ICVPO110425AR1242	PO114900.D	04 Nov 2025 20:21		YP/AJ	Ok,M
33	AR1248ICV500	ICVPO110425AR1248	PO114901.D	04 Nov 2025 20:58		YP/AJ	Ok
34	AR1254ICV500	ICVPO110425AR1254	PO114902.D	04 Nov 2025 21:35		YP/AJ	Ok
35	AR1268ICV500	ICVPO110425AR1268	PO114903.D	04 Nov 2025 22:12		YP/AJ	Ok
36	DDT ANALOG	DDT ANALOG	PO114904.D	04 Nov 2025 22:48		YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO111925

Review By	rahul	Review On	11/19/2025 3:01:54 PM		
Supervise By	Sohil	Supervise On	11/20/2025 3:59:53 PM		
SubDirectory	PO111925	HP Acquire Method		HP Processing Method	PO110425

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO115204.D	19 Nov 2025 09:20		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO115205.D	19 Nov 2025 09:38		YP/AJ	Ok,M
3	AR1242CCC500	AR1242CCC500	PO115206.D	19 Nov 2025 10:05		YP/AJ	Ok
4	AR1248CCC500	AR1248CCC500	PO115207.D	19 Nov 2025 10:23		YP/AJ	Ok
5	AR1254CCC500	AR1254CCC500	PO115208.D	19 Nov 2025 10:41		YP/AJ	Ok
6	I.BLK	I.BLK	PO115209.D	19 Nov 2025 11:00		YP/AJ	Ok,M
7	PB170580BL	PB170580BL	PO115210.D	19 Nov 2025 12:04		YP/AJ	Ok,M
8	PB170580BS	PB170580BS	PO115211.D	19 Nov 2025 12:22		YP/AJ	Ok,M
9	Q3637-01	BUR-25-0100	PO115212.D	19 Nov 2025 12:40		YP/AJ	Ok,M
10	Q3665-01	BUR-25-0101	PO115213.D	19 Nov 2025 12:59		YP/AJ	Ok,M
11	Q3662-02	B3-0.0-1.0-20251117	PO115214.D	19 Nov 2025 13:17		YP/AJ	Ok,M
12	Q3662-04	B1-0.0-1.0-20251117	PO115215.D	19 Nov 2025 13:35		YP/AJ	Ok,M
13	Q3664-01	ARS20-0001	PO115216.D	19 Nov 2025 13:54		YP/AJ	Ok,M
14	Q3664-03	ARS20-0013	PO115217.D	19 Nov 2025 14:12		YP/AJ	Ok,M
15	Q3664-05	291399	PO115218.D	19 Nov 2025 14:30		YP/AJ	Ok,M
16	Q3666-01	BUR-25-0103	PO115219.D	19 Nov 2025 14:49		YP/AJ	Ok,M
17	AR1660CCC500	AR1660CCC500	PO115220.D	19 Nov 2025 15:26		YP/AJ	Ok,M
18	AR1242CCC500	AR1242CCC500	PO115221.D	19 Nov 2025 15:44		YP/AJ	Ok,M

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO111925

Review By	rahul	Review On	11/19/2025 3:01:54 PM		
Supervise By	Sohil	Supervise On	11/20/2025 3:59:53 PM		
SubDirectory	PO111925	HP Acquire Method		HP Processing Method	PO110425

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248CCC500	AR1248CCC500	PO115222.D	19 Nov 2025 16:02		YP/AJ	Ok,M
20	AR1254CCC500	AR1254CCC500	PO115223.D	19 Nov 2025 16:21		YP/AJ	Ok
21	I.BLK	I.BLK	PO115224.D	19 Nov 2025 16:39		YP/AJ	Ok,M
22	Q3667-01	RIGHT-SIDE-WALL	PO115225.D	19 Nov 2025 16:57		YP/AJ	Ok,M
23	Q3667-03	LEFT-SIDE-WALL	PO115226.D	19 Nov 2025 17:16		YP/AJ	Ok,M
24	Q3667-05	LEFT-SIDE-FLOOR	PO115227.D	19 Nov 2025 17:34	AR1268 hit , ccc missing	YP/AJ	Not Ok
25	Q3667-07	ELEVATED-DIVIDE	PO115228.D	19 Nov 2025 17:53		YP/AJ	Ok,M
26	AR1660CCC500	AR1660CCC500	PO115229.D	20 Nov 2025 00:53		YP/AJ	Ok
27	AR1248CCC500	AR1248CCC500	PO115230.D	20 Nov 2025 01:48		YP/AJ	Ok,M
28	AR1254CCC500	AR1254CCC500	PO115231.D	20 Nov 2025 02:06		YP/AJ	Ok
29	I.BLK	I.BLK	PO115232.D	20 Nov 2025 02:24		YP/AJ	Ok,M
30	Q3530-02	LOQ-SOIL-02-QT4-202	PO115233.D	20 Nov 2025 02:43	AR1660-LOQ-SOIL-50 PPB	YP/AJ	Ok,M
31	Q3530-02	LOQ-SOIL-02-QT4-202	PO115234.D	20 Nov 2025 03:01	surrogate fail	YP/AJ	Not Ok
32	Q3530-02	LOQ-SOIL-02-QT4-202	PO115235.D	20 Nov 2025 03:20	surrogate fail	YP/AJ	Not Ok
33	Q3530-02	LOQ-SOIL-02-QT4-202	PO115236.D	20 Nov 2025 03:38	surrogate fail	YP/AJ	Not Ok
34	Q3530-02	LOQ-SOIL-02-QT4-202	PO115237.D	20 Nov 2025 03:56	surrogate fail	YP/AJ	Not Ok
35	Q3530-02	LOQ-SOIL-02-QT4-202	PO115238.D	20 Nov 2025 04:15	surrogate fail	YP/AJ	Not Ok
36	Q3530-02	LOQ-SOIL-02-QT4-202	PO115239.D	20 Nov 2025 04:33	surrogate fail	YP/AJ	Not Ok
37	Q3530-02	LOQ-SOIL-02-QT4-202	PO115240.D	20 Nov 2025 04:51	surrogate fail	YP/AJ	Not Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO111925

Review By	rahul	Review On	11/19/2025 3:01:54 PM		
Supervise By	Sohil	Supervise On	11/20/2025 3:59:53 PM		
SubDirectory	PO111925	HP Acquire Method		HP Processing Method	PO110425

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	PB170532BL	PB170532BL	PO115241.D	20 Nov 2025 05:10		YP/AJ	Ok,M
39	AR1660CCC500	AR1660CCC500	PO115242.D	20 Nov 2025 06:05		YP/AJ	Ok,M
40	I.BLK	I.BLK	PO115243.D	20 Nov 2025 06:41		YP/AJ	Ok,M
41	Q3530-08	LOQ-WATER-02-QT4-2	PO115244.D	20 Nov 2025 07:00		YP/AJ	Ok,M
42	Q3530-08	LOQ-WATER-02-QT4-2	PO115245.D	20 Nov 2025 07:18	surrogate fail	YP/AJ	Not Ok
43	Q3530-08	LOQ-WATER-02-QT4-2	PO115246.D	20 Nov 2025 07:36	surrogate fail	YP/AJ	Not Ok
44	Q3530-08	LOQ-WATER-02-QT4-2	PO115247.D	20 Nov 2025 07:55		YP/AJ	Ok,M
45	Q3530-08	LOQ-WATER-02-QT4-2	PO115248.D	20 Nov 2025 08:13	surrogate fail	YP/AJ	Not Ok
46	Q3530-08	LOQ-WATER-02-QT4-2	PO115249.D	20 Nov 2025 08:31	surrogate fail	YP/AJ	Not Ok
47	Q3530-08	LOQ-WATER-02-QT4-2	PO115250.D	20 Nov 2025 08:50	surrogate fail	YP/AJ	Not Ok
48	Q3530-08	LOQ-WATER-02-QT4-2	PO115251.D	20 Nov 2025 09:08	surrogate fail	YP/AJ	Not Ok
49	AR1660CCC500	AR1660CCC500	PO115252.D	20 Nov 2025 09:26		YP/AJ	Ok,M
50	I.BLK	I.BLK	PO115253.D	20 Nov 2025 09:45		YP/AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QCBatch ID # PQ111825

Review By	rahul	Review On	11/19/2025 8:33:53 AM		
Supervise By	Sohil	Supervise On	11/19/2025 3:39:22 PM		
SubDirectory	PQ111825	HP Acquire Method		HP Processing Method	PQ111825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PQ071271.D	18 Nov 2025 11:44		YP\AJ	Ok
2	I.BLK	I.BLK	PQ071272.D	18 Nov 2025 11:59		YP\AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PQ071273.D	18 Nov 2025 12:13		YP\AJ	Ok
4	AR1660ICC750	AR1660ICC750	PQ071274.D	18 Nov 2025 12:28		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PQ071275.D	18 Nov 2025 12:43		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PQ071276.D	18 Nov 2025 12:57		YP\AJ	Ok
7	AR1660ICC050	AR1660ICC050	PQ071277.D	18 Nov 2025 15:42		YP\AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PQ071278.D	18 Nov 2025 16:25		YP\AJ	Ok
9	AR1232ICC500	AR1232ICC500	PQ071279.D	18 Nov 2025 16:39		YP\AJ	Ok
10	AR1242ICC500	AR1242ICC500	PQ071280.D	18 Nov 2025 16:54		YP\AJ	Ok
11	AR1248ICC500	AR1248ICC500	PQ071281.D	18 Nov 2025 17:08		YP\AJ	Ok
12	AR1254ICC500	AR1254ICC500	PQ071282.D	18 Nov 2025 17:23		YP\AJ	Ok
13	AR1262ICC500	AR1262ICC500	PQ071283.D	18 Nov 2025 17:37		YP\AJ	Ok
14	AR1268ICC500	AR1268ICC500	PQ071284.D	18 Nov 2025 17:52		YP\AJ	Ok
15	PQ111825ICV500	ICVPQ111825	PQ071285.D	18 Nov 2025 18:07		YP\AJ	Ok
16	AR1660CCC500	AR1660CCC500	PQ071286.D	18 Nov 2025 18:36		YP\AJ	Ok
17	I.BLK	I.BLK	PQ071287.D	18 Nov 2025 19:05		YP\AJ	Ok
18	PB170532BL	PB170532BL	PQ071288.D	18 Nov 2025 19:20	DCB high in 2nd column	YP\AJ	Not Ok

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Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QCBatch ID # PQ111825

Review By	rahul	Review On	11/19/2025 8:33:53 AM		
Supervise By	Sohil	Supervise On	11/19/2025 3:39:22 PM		
SubDirectory	PQ111825	HP Acquire Method		HP Processing Method	PQ111825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q3530-03	MDL-SOIL-03-QT4-202	PQ071289.D	18 Nov 2025 19:34	AR1660 MDL SOIL 25PPB	YP\AJ	Ok
20	Q3530-03	MDL-SOIL-03-QT4-202	PQ071290.D	18 Nov 2025 19:49	AR1221 MDL SOIL 25PPB, failing high	YP\AJ	Not Ok
21	Q3530-03	MDL-SOIL-03-QT4-202	PQ071291.D	18 Nov 2025 20:03	AR1232 MDL SOIL 25PPB, failing high in 1st column	YP\AJ	Not Ok
22	Q3530-03	MDL-SOIL-03-QT4-202	PQ071292.D	18 Nov 2025 20:18	AR1242 MDL SOIL 25PPB, failing high in 2d column	YP\AJ	Not Ok
23	Q3530-03	MDL-SOIL-03-QT4-202	PQ071293.D	18 Nov 2025 20:33	AR1248 MDL SOIL 25PPB, failing high	YP\AJ	Not Ok
24	Q3530-03	MDL-SOIL-03-QT4-202	PQ071294.D	18 Nov 2025 20:47	AR1254 MDL SOIL 25PPB, failing high	YP\AJ	Not Ok
25	Q3530-03	MDL-SOIL-03-QT4-202	PQ071295.D	18 Nov 2025 21:02	AR1262 MDL SOIL 25PPB	YP\AJ	Not Ok
26	Q3530-03	MDL-SOIL-03-QT4-202	PQ071296.D	18 Nov 2025 21:16	AR1268 MDL SOIL 25PPB	YP\AJ	Ok
27	AR1660CCC500	AR1660CCC500	PQ071297.D	18 Nov 2025 22:14		YP\AJ	Ok
28	I.BLK	I.BLK	PQ071298.D	19 Nov 2025 00:49		YP\AJ	Ok
29	PB170530BL	PB170530BL	PQ071299.D	19 Nov 2025 01:03		YP\AJ	Ok
30	Q3530-09	MDL-WATER-03-QT4-2	PQ071300.D	19 Nov 2025 01:18	AR1660 MDL WATER 25PPB	YP\AJ	Ok
31	Q3530-09	MDL-WATER-03-QT4-2	PQ071301.D	19 Nov 2025 01:32	AR1221 MDL WATER 25PPB, failing high	YP\AJ	Not Ok
32	Q3530-09	MDL-WATER-03-QT4-2	PQ071302.D	19 Nov 2025 01:47	AR1232 MDL WATER 25PPB, failing high in 1st column	YP\AJ	Not Ok
33	Q3530-09	MDL-WATER-03-QT4-2	PQ071303.D	19 Nov 2025 02:01	AR1242 MDL WATER 25PPB, failing high in 2d column	YP\AJ	Not Ok
34	Q3530-09	MDL-WATER-03-QT4-2	PQ071304.D	19 Nov 2025 02:16	AR1248 MDL WATER 25PPB, failing high	YP\AJ	Not Ok
35	Q3530-09	MDL-WATER-03-QT4-2	PQ071305.D	19 Nov 2025 02:31	AR1254 MDL WATER 25PPB, failing high	YP\AJ	Not Ok

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Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QCBatch ID # PQ111825

Review By	rahul	Review On	11/19/2025 8:33:53 AM		
Supervise By	Sohil	Supervise On	11/19/2025 3:39:22 PM		
SubDirectory	PQ111825	HP Acquire Method		HP Processing Method	PQ111825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

36	Q3530-09	MDL-WATER-03-QT4-2	PQ071306.D	19 Nov 2025 02:45	AR1262 MDL WATER 25PPB	YP\AJ	Ok,M
37	Q3530-09	MDL-WATER-03-QT4-2	PQ071307.D	19 Nov 2025 03:00	AR1268 MDL WATER 25PPB	YP\AJ	Ok
38	AR1660CCC500	AR1660CCC500	PQ071308.D	19 Nov 2025 03:58		YP\AJ	Ok
39	I.BLK	I.BLK	PQ071309.D	19 Nov 2025 04:30		YP\AJ	Ok
40	Q3530-02	LOQ-SOIL-02-QT4-202	PQ071310.D	19 Nov 2025 04:44	AR1660 LOQ SOIL 50PPB, failing low	YP\AJ	Not Ok
41	Q3530-02	LOQ-SOIL-02-QT4-202	PQ071311.D	19 Nov 2025 04:59	AR1221 LOQ SOIL 50PPB	YP\AJ	Ok,M
42	Q3530-02	LOQ-SOIL-02-QT4-202	PQ071312.D	19 Nov 2025 05:14	AR1232 LOQ SOIL 50PPB	YP\AJ	Ok,M
43	Q3530-02	LOQ-SOIL-02-QT4-202	PQ071313.D	19 Nov 2025 05:28	AR1242 LOQ SOIL 50PPB	YP\AJ	Ok,M
44	Q3530-02	LOQ-SOIL-02-QT4-202	PQ071314.D	19 Nov 2025 05:43	AR1248 LOQ SOIL 50PPB	YP\AJ	Ok
45	Q3530-02	LOQ-SOIL-02-QT4-202	PQ071315.D	19 Nov 2025 05:57	AR1254 LOQ SOIL 50PPB	YP\AJ	Ok,M
46	Q3530-02	LOQ-SOIL-02-QT4-202	PQ071316.D	19 Nov 2025 06:12	AR1262 LOQ SOIL 50PPB	YP\AJ	Ok
47	Q3530-02	LOQ-SOIL-02-QT4-202	PQ071317.D	19 Nov 2025 06:27	AR1268 LOQ SOIL 50PPB	YP\AJ	Ok,M
48	AR1660CCC500	AR1660CCC500	PQ071318.D	19 Nov 2025 07:25		YP\AJ	Ok
49	I.BLK	I.BLK	PQ071319.D	19 Nov 2025 08:09		YP\AJ	Ok
50	Q3530-08	LOQ-WATER-02-QT4-2	PQ071320.D	19 Nov 2025 08:23	AR1660 LOQ WATER 50PPB , Recovery low	YP\AJ	Not Ok
51	Q3530-08	LOQ-WATER-02-QT4-2	PQ071321.D	19 Nov 2025 08:38	AR1221 LOQ WATER 50PPB	YP\AJ	Ok,M
52	Q3530-08	LOQ-WATER-02-QT4-2	PQ071322.D	19 Nov 2025 08:52	AR1232 LOQ WATER 50PPB	YP\AJ	Ok,M
53	Q3530-08	LOQ-WATER-02-QT4-2	PQ071323.D	19 Nov 2025 09:07	AR1242 LOQ WATER 50PPB	YP\AJ	Ok,M
54	Q3530-08	LOQ-WATER-02-QT4-2	PQ071324.D	19 Nov 2025 09:21	AR1248 LOQ WATER 50PPB	YP\AJ	Ok,M

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Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QCBatch ID # PQ111825

Review By	rahul	Review On	11/19/2025 8:33:53 AM		
Supervise By	Sohil	Supervise On	11/19/2025 3:39:22 PM		
SubDirectory	PQ111825	HP Acquire Method		HP Processing Method	PQ111825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

55	Q3530-08	LOQ-WATER-02-QT4-2	PQ071325.D	19 Nov 2025 09:36	AR1254 LOQ WATER 50PPB , AR1254-1 high in 1st column	YP\AJ	Not Ok
56	Q3530-08	LOQ-WATER-02-QT4-2	PQ071326.D	19 Nov 2025 09:51	AR1262 LOQ WATER 50PPB	YP\AJ	Ok,M
57	Q3530-08	LOQ-WATER-02-QT4-2	PQ071327.D	19 Nov 2025 10:05	AR1268 LOQ WATER 50PPB , AR1268-1,2 High in 2nd column , all surrogate fail	YP\AJ	Not Ok
58	AR1660CCC500	AR1660CCC500	PQ071328.D	19 Nov 2025 11:03		YP\AJ	Ok
59	I.BLK	I.BLK	PQ071329.D	19 Nov 2025 11:19		YP\AJ	Ok
60	DDT ANALOG	DDT ANALOG	PQ071330.D	19 Nov 2025 11:33		YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QCBatch ID # PQ111925

Review By	rahul	Review On	11/19/2025 2:55:18 PM		
Supervise By	Sohil	Supervise On	11/20/2025 3:54:26 PM		
SubDirectory	PQ111925	HP Acquire Method		HP Processing Method	PQ111825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PQ071331.D	19 Nov 2025 12:49		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PQ071332.D	19 Nov 2025 13:04		YP\AJ	Ok
3	I.BLK	I.BLK	PQ071333.D	19 Nov 2025 13:18		YP\AJ	Ok
4	PB170627BL	PB170627BL	PQ071334.D	19 Nov 2025 13:34		YP\AJ	Ok
5	PB170627BS	PB170627BS	PQ071335.D	19 Nov 2025 13:48		YP\AJ	Ok
6	PB170633BL	PB170633BL	PQ071336.D	19 Nov 2025 14:03		YP\AJ	Ok
7	PB170633BS	PB170633BS	PQ071337.D	19 Nov 2025 14:18		YP\AJ	Ok
8	Q3668-01	2015	PQ071338.D	19 Nov 2025 14:32		YP\AJ	Ok
9	Q3669-01	EO-01-11182025	PQ071339.D	19 Nov 2025 14:47		YP\AJ	Ok,M
10	Q3669-01MS	EO-01-11182025MS	PQ071340.D	19 Nov 2025 15:01		YP\AJ	Ok,M
11	Q3669-01MSD	EO-01-11182025MSD	PQ071341.D	19 Nov 2025 15:16		YP\AJ	Ok,M
12	Q3654-01	1A1B1C	PQ071342.D	19 Nov 2025 15:30		YP\AJ	Ok,M
13	Q3654-02	2A2B2C	PQ071343.D	19 Nov 2025 15:45		YP\AJ	Ok,M
14	AR1660CCC500	AR1660CCC500	PQ071344.D	19 Nov 2025 17:27		YP\AJ	Ok,M
15	I.BLK	I.BLK	PQ071345.D	19 Nov 2025 17:42		YP\AJ	Ok
16	PB170532BL	PB170532BL	PQ071346.D	19 Nov 2025 17:56	TCMX high in 2nd column	YP\AJ	Not Ok
17	Q3530-03	MDL-SOIL-03-QT4-202	PQ071347.D	19 Nov 2025 18:11	AR1221-MDL-SOIL-QT4	YP\AJ	Ok,M
18	Q3530-03	MDL-SOIL-03-QT4-202	PQ071348.D	19 Nov 2025 18:25	AR1232-MDL-SOIL-QT4	YP\AJ	Ok,M

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Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QCBatch ID # PQ111925

Review By	rahul	Review On	11/19/2025 2:55:18 PM		
Supervise By	Sohil	Supervise On	11/20/2025 3:54:26 PM		
SubDirectory	PQ111925	HP Acquire Method		HP Processing Method	PQ111825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q3530-03	MDL-SOIL-03-QT4-202	PQ071349.D	19 Nov 2025 18:40	AR1242-MDL-SOIL-QT4	YP\AJ	Ok,M
20	Q3530-03	MDL-SOIL-03-QT4-202	PQ071350.D	19 Nov 2025 18:54	AR1248-MDL-SOIL-QT4 ,Looks like BL	YP\AJ	Not Ok
21	Q3530-03	MDL-SOIL-03-QT4-202	PQ071351.D	19 Nov 2025 19:09	AR1254-MDL-SOIL-QT4	YP\AJ	Ok,M
22	AR1660CCC500	AR1660CCC500	PQ071352.D	19 Nov 2025 19:53		YP\AJ	Ok,M
23	I.BLK	I.BLK	PQ071353.D	19 Nov 2025 20:22		YP\AJ	Ok
24	Q3530-03	MDL-SOIL-03-QT4-202	PQ071354.D	19 Nov 2025 20:36	AR1221-MDL-WATER-QT4	YP\AJ	Ok,M
25	Q3530-03	MDL-SOIL-03-QT4-202	PQ071355.D	19 Nov 2025 20:51	AR1232-MDL-WATER-QT4	YP\AJ	Ok,M
26	Q3530-03	MDL-SOIL-03-QT4-202	PQ071356.D	19 Nov 2025 21:06	AR1242-MDL-WATER-QT4	YP\AJ	Ok,M
27	Q3530-03	MDL-SOIL-03-QT4-202	PQ071357.D	19 Nov 2025 21:20	AR1248-MDL-WATER-QT4 , Recovery low , No proper hits	YP\AJ	Not Ok
28	Q3530-03	MDL-SOIL-03-QT4-202	PQ071358.D	19 Nov 2025 21:35	AR1254-MDL-WATER-QT4	YP\AJ	Ok,M
29	Q3530-02	LOQ-SOIL-02-QT4-202	PQ071359.D	19 Nov 2025 21:49	AR1660-MDL-SOIL-QT4	YP\AJ	Ok
30	Q3530-08	LOQ-WATER-02-QT4-2	PQ071360.D	19 Nov 2025 22:04	AR1660-MDL-WATER-QT4	YP\AJ	Ok
31	AR1660CCC500	AR1660CCC500	PQ071361.D	19 Nov 2025 22:48		YP\AJ	Ok,M
32	I.BLK	I.BLK	PQ071362.D	19 Nov 2025 23:17		YP\AJ	Ok

M : Manual Integration

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EXTRACTION LOGPAGE

PB170627

SOP ID: M3541-ASE Extraction-15

Clean Up SOP #: Acid Cleanup

Matrix : Solid

Weigh By: EH

Balance check: EH

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 11/19/2025

Extraction Start Time : 08:55

Extraction End Date : 11/19/2025

Extraction End Time : 12:00

Concentration By: EH

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	5000 PPB	PP24930
Surrogate	1.0ML	200 PPB	PP24663
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2660
Baked Na2SO4	N/A	EP2655
Sand	N/A	E3951
Hexane	N/A	E3984
H2SO4 1:1	N/A	EP2657
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:

40ML Vial Lot # 03-40BTS721. Q3663-01,02 used Limited volume as samples are oil.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: N-EVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/19/25	RS (Ext-Lab)	R. Patel/PCB Lab
12:05	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB170627

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 11/19/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170627BL	ABLK627	PCB	30.02	N/A	ritesh	Evelyn	10			U3-1
PB170627BS	ALCS627	PCB	30.03	N/A	ritesh	Evelyn	10			2
Q3483-18	HW1025-PT-PCB-SOIL	PCB	30.11	N/A	ritesh	Evelyn	10			3
Q3662-02	B3-0.0-1.0-20251117	PCB	30.01	N/A	ritesh	Evelyn	10	A		4
Q3662-04	B3-0.0-1.0-20251117	PCB	30.04	N/A	ritesh	Evelyn	10	A		5
Q3663-01	2053	PCB	1.07	N/A	ritesh	Evelyn	10	A	Oil	
Q3663-02	2054	PCB	1.05	N/A	ritesh	Evelyn	10	A	Oil	
Q3664-01	ARS20-0001	PCB	30.02	N/A	ritesh	Evelyn	10	E	Concrete	6
Q3664-03	ARS20-0013	PCB	30.07	N/A	ritesh	Evelyn	10	E	Concrete	U4-1
Q3664-05	291399	PCB	30.01	N/A	ritesh	Evelyn	10	E	Concrete	2
Q3666-01	BUR-25-0103	PCB	30.09	N/A	ritesh	Evelyn	10	A	Small Particles	3
Q3667-01	RIGHT-SIDE-WALL	PCB	30.05	N/A	ritesh	Evelyn	10	A	Concrete	4
Q3667-03	LEFT-SIDE-WALL	PCB	30.08	N/A	ritesh	Evelyn	10	A	Concrete	5
Q3667-05	LEFT-SIDE-FLOOR	PCB	30.04	N/A	ritesh	Evelyn	10	A	Concrete	6
Q3667-07	ELEVATED-DIVIDE	PCB	30.02	N/A	ritesh	Evelyn	10	A	Concrete	U6-1
Q3668-01	2015	PCB	30.03	N/A	ritesh	Evelyn	10	A	Concrete	2
Q3669-01	EO-01-11182025	PCB	30.07	N/A	ritesh	Evelyn	10	F		3
Q3669-01MS	EO-01-11182025MS	PCB	30.06	N/A	ritesh	Evelyn	10	F		4
Q3669-01MSD	EO-01-11182025MSD	PCB	30.02	N/A	ritesh	Evelyn	10	F		5

RS
11/19

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

170627 8:35

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3664 **WorkList ID :** 193209 **Department :** Extraction **Date :** 11-19-2025 08:35:37

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3483-18	HW1025-PT-PCB-SOIL	Solid	PCB	Cool 4 deg C	ALLI03	QA Of	10/27/2025	8082A
Q3662-02	B3-0.0-1.0-20251117	Solid	PCB	Cool 4 deg C	HDRI08	D41	11/17/2025	8082A
Q3662-04	B3-0.0-1.0-20251117	Solid	PCB	Cool 4 deg C	HDRI08	D41	11/17/2025	8082A
Q3663-01	2053	Solid	PCB	Cool 4 deg C	PSEG03	D31	11/18/2025	8082A
Q3663-02	2054	Solid	PCB	Cool 4 deg C	PSEG03	D31	11/18/2025	8082A
Q3664-01	ARS20-0001	Solid	PCB	Cool 4 deg C	PSEG03	D31	11/18/2025	8082A
Q3664-03	ARS20-0013	Solid	PCB	Cool 4 deg C	PSEG03	D31	11/18/2025	8082A
Q3664-05	291399	Solid	PCB	Cool 4 deg C	PSEG03	D31	11/18/2025	8082A
Q3666-01	BUR-25-0103	Solid	PCB	Cool 4 deg C	PSEG03	D31	11/18/2025	8082A
Q3667-01	RIGHT-SIDE-WALL	Solid	PCB	Cool 4 deg C	PSEG03	D41	11/18/2025	8082A
Q3667-03	LEFT-SIDE-WALL	Solid	PCB	Cool 4 deg C	PSEG03	D41	11/18/2025	8082A
Q3667-05	LEFT-SIDE-FLOOR	Solid	PCB	Cool 4 deg C	PSEG03	D41	11/18/2025	8082A
Q3667-07	ELEVATED-DIVIDE	Solid	PCB	Cool 4 deg C	PSEG03	D41	11/18/2025	8082A
Q3668-01	2015	Solid	PCB	Cool 4 deg C	PSEG03	D41	11/18/2025	8082A
Q3669-01	EO-01-11182025	Solid	PCB	Cool 4 deg C	PSEG05	D41	11/18/2025	8082A

Date/Time 11/19/25 8:50
Raw Sample Received by: RJ (Ext lab)
Raw Sample Relinquished by: CA SM

Date/Time 11/19/25 9:20
Raw Sample Received by: CA SM
Raw Sample Relinquished by: RJ (Ext lab)

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LAB CHRONICLE

OrderID:	Q3662	**OrderDate:**	11/18/2025 11:14:00 AM
Client:	HDR, Inc.	**Project:**	PVWC Linear Construction
Contact:	Andrew Wadden	**Location:**	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3662-02	**B3-0.0-1.0-20251117**	**SOIL**			**11/17/25**			**11/18/25**
			PCB	8082A		11/19/25	11/19/25	
Q3662-04	**B1-0.0-1.0-20251117**	**SOIL**			**11/17/25**			**11/18/25**
			PCB	8082A		11/19/25	11/19/25	
			EPH_NF	NJEPH		11/19/25	11/19/25	

SAMPLE DATA

Raw Data: **FE056937.D**

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Report of Analysis

Client:	HDR, Inc.			Date Collected:	11/17/25
Project:	PVWC Linear Construction			Date Received:	11/18/25
Client Sample ID:	B1-0.0-1.0-20251117			SDG No.:	Q3662
Lab Sample ID:	Q3662-04			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	88.1
Sample Wt/Vol:	30.09 g	Final Vol:	2000 uL	Test:	EPH_NF
Prep Method :		Prep Date :	11/19/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	27.9		1	1.34	2.26	mg/kg	FE056937.D	11/19/25 15:39	PB170632
Aliphatic C9-C28	Aliphatic C9-C28	15.6		1	1.03	4.52	mg/kg	FE056937.D	11/19/25 15:39	PB170632
Total AliphaticEPH	Total AliphaticEPH	43.5			2.37	6.78	mg/kg			
Total EPH	Total EPH	43.5			2.37	6.78	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

Raw Data: **FE056937.D**

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Fax : 908 789 8922

Report of Analysis

Client:	HDR, Inc.			Date Collected:	11/17/25
Project:	PVWC Linear Construction			Date Received:	11/18/25
Client Sample ID:	B1-0.0-1.0-20251117			SDG No.:	Q3662
Lab Sample ID:	Q3662-04			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	88.1
Sample Wt/Vol:	30.09 g	Final Vol:	2000 uL	Test:	EPH_NF
Prep Method :		Prep Date	11/19/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	15.6		1	1.03	4.52	mg/kg	11/19/25	PB170632
Aliphatic C28-C40	Aliphatic C28-C40	27.9		1	1.34	2.26	mg/kg	11/19/25	PB170632
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	26.3			40 - 140	53%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	28.0			40 - 140	56%	SPK: 50		

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3662-04	Acq On:	19 Nov 2025 15:39
Client Sample ID:	B1-0.0-1.0-20251117	Operator:	YP\AJ
Data file:	FE056937.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.209	6.832	484509	2.831	300	ug/ml
Aliphatic C12-C16	6.833	10.276	2813984	15.742	200	ug/ml
Aliphatic C16-C21	10.277	13.648	14506096	77.778	300	ug/ml
Aliphatic C21-C28	13.649	17.318	21202667	109.992	400	ug/ml
Aliphatic C28-C40	17.319	22.247	58903474	369.73	600	ug/ml
Aliphatic EPH	3.209	22.247	97910730	576.073		ug/ml
ortho-Terphenyl (SURR)	11.945	11.945	5850823	28.01		ug/ml
1-chlorooctadecane (SURR)	13.381	13.381	4236962	26.3		ug/ml
Aliphatic C9-C28	3.209	17.318	39007256	206.343	1200	ug/ml

QC SUMMARY

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SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG No.: Q3662

Run Number: FE111925AL

CLIENT SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
PB170632BL	58	70		0
PB170632BS	60	69		0
PB170632BSD	59	67		0
B1-0.0-1.0-20251117	53	56		0
EO-01-11182025MS	111	72		0
EO-01-11182025MSD	113	73		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

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SOLID EPH_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Alliance **Client:** HDR, Inc.

Lab Code: ACE **SDG No:** Q3662

Sample No : Q3669-01MS **Datafile:** FE056946.D **Client ID :** EO-01-11182025MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C28-C40	32.2	63.8	106	130		(40-140)
Aliphatic C9-C28	107.3	66.8	117	48		(40-140)

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
n-Nonane (C9)	3.6	0.0163	1.2972	36	*	(40-140)
n-Decane (C10)	3.6	0.1470	3.4832	93		(40-140)
Naphthalene (C11.7)	3.6	0.4916	2.2181	48		(40-140)
n-Dodecane (C12)	3.6	0.7230	2.5712	51		(40-140)
2-methylnaphthalene (C12.89)	3.6	0.7637	2.7022	54		(40-140)
n-Tetradecane (C14)	3.6	2.0328	4.0605	56		(40-140)
n-Hexadecane (C16)	3.6	1.9288	3.8696	54		(40-140)
n-Octadecane (C18)	3.6	1.3531	3.1208	49		(40-140)
n-Eicosane (C20)	3.6	0.7366	2.6803	54		(40-140)
n-Heneicosane (C21)	3.6	0.4433	2.4708	56		(40-140)
n-Docosane (C22)	3.6	0.4497	2.4071	54		(40-140)
n-Tetracosane (C24)	7.2	0.5743	6.2566	79		(40-140)
n-Hexacosane (C26)	3.6	0.2196	2.0336	50		(40-140)
n-Octacosane (C28)	3.6	0.4763	2.2412	49		(40-140)
n-Tricontane (C30)	3.6	0.6469	2.1247	41		(40-140)
n-Dotriacontane (C32)	3.6	1.7840	3.9405	60		(40-140)
n-Tetratriacontane (C34)	3.6	1.3782	4.1891	78		(40-140)
n-Hexatriacontane (C36)	3.6	2.1555	6.5501	122		(40-140)
n-Octatriacontane (C38)	3.6	2.7285	6.9484	117		(40-140)
n-Tetracontane (C40)	3.6	0.7228	4.1969	97		(40-140)

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SOLID EPH_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Alliance **Client:** HDR, Inc.

Lab Code: ACE **SDG No:** Q3662

Sample No : Q3669-01MSD **Datafile:** FE056947.D **Client ID :** EO-01-11182025MSD

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	32.2	63.8	102	118		9.68 |	(40-140)	50
Aliphatic C9-C28	107.5	66.8	114	44		6.7 |	(40-140)	50

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS (%)	QC Limit Of RPD
n-Nonane (C9)	3.6	0.0163	1.3130	36	*	0 |	(40-140)	50
n-Decane (C10)	3.6	0.1470	3.5342	94		1.07 |	(40-140)	50
Naphthalene (C11.7)	3.6	0.4916	2.2778	50		4.08 |	(40-140)	50
n-Dodecane (C12)	3.6	0.7230	2.6558	54		5.71 |	(40-140)	50
2-methylnaphthalene (C12.89)	3.6	0.7637	2.7619	56		3.64 |	(40-140)	50
n-Tetradecane (C14)	3.6	2.0328	4.1467	59		5.22 |	(40-140)	50
n-Hexadecane (C16)	3.6	1.9288	3.9387	56		3.64 |	(40-140)	50
n-Octadecane (C18)	3.6	1.3531	3.0963	48		2.06 |	(40-140)	50
n-Eicosane (C20)	3.6	0.7366	2.7382	56		3.64 |	(40-140)	50
n-Heneicosane (C21)	3.6	0.4433	2.5178	58		3.51 |	(40-140)	50
n-Docosane (C22)	3.6	0.4497	2.4434	55		1.83 |	(40-140)	50
n-Tetracosane (C24)	7.2	0.5743	6.4141	81		2.5 |	(40-140)	50
n-Hexacosane (C26)	3.6	0.2196	2.0919	52		3.92 |	(40-140)	50
n-Octacosane (C28)	3.6	0.4763	2.2792	50		2.02 |	(40-140)	50
n-Tricontane (C30)	3.6	0.6469	2.4392	50		19.78 |	(40-140)	50
n-Dotriacontane (C32)	3.6	1.7840	3.8697	58		3.39 |	(40-140)	50
n-Tetratriacontane (C34)	3.6	1.3782	4.1457	77		1.29 |	(40-140)	50
n-Hexatriacontane (C36)	3.6	2.1555	6.3695	117		4.18 |	(40-140)	50
n-Octatriacontane (C38)	3.6	2.7285	6.7216	111		5.26 |	(40-140)	50
n-Tetracontane (C40)	3.6	0.7228	4.1658	96		1.04 |	(40-140)	50

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SOLID EPH_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Alliance **Client:** HDR, Inc.

Lab Code: ACE **SDG No:** Q3662

Sample No : PB170632BS **Datafile:** FE056935.D **Client ID :** PB170632BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C28-C40	30.0	24.5	82		(40-140)
Aliphatic C9-C28	99.9	68.9	70		(40-140)

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS(%)
n-Nonane (C9)	3.3	2.34445	71		(40-140)
n-Decane (C10)	3.3	2.48495	75		(40-140)
Naphthalene (C11.7)	3.3	2.83041	86		(40-140)
n-Dodecane (C12)	3.3	2.63822	80		(40-140)
2-methylnaphthalene (C12.89)	3.3	2.62871	80		(40-140)
n-Tetradecane (C14)	3.3	2.65986	81		(40-140)
n-Hexadecane (C16)	3.3	2.48197	75		(40-140)
n-Octadecane (C18)	3.3	2.38402	72		(40-140)
n-Eicosane (C20)	3.3	2.40465	73		(40-140)
n-Heneicosane (C21)	3.3	2.38857	72		(40-140)
n-Docosane (C22)	3.3	2.32008	70		(40-140)
n-Tetracosane (C24)	6.7	4.79870	72		(40-140)
n-Hexacosane (C26)	3.3	2.15535	65		(40-140)
n-Octacosane (C28)	3.3	2.26277	69		(40-140)
n-Tricontane (C30)	3.3	1.98578	60		(40-140)
n-Dotriacontane (C32)	3.3	2.03120	62		(40-140)
n-Tetratriacontane (C34)	3.3	2.24779	68		(40-140)
n-Hexatriacontane (C36)	3.3	2.65040	80		(40-140)
n-Octatriacontane (C38)	3.3	3.09295	94		(40-140)
n-Tetracontane (C40)	3.3	3.46243	105		(40-140)

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SOLID EPH_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Alliance **Client:** HDR, Inc.

Lab Code: ACE **SDG No:** Q3662

Sample No : PB170632BSD **Datafile:** FE056936.D **Client ID :** PB170632BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS (%)	QC Limit Of RPD
Aliphatic C28-C40	30.0	24.4	81		0.383|	(40-140)	25
Aliphatic C9-C28	99.9	68.7	70		0.338|	(40-140)	25

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS(%)	QC Limit Of RPD
n-Nonane (C9)	3.3	2.32957	71		0|	(40-140)	25
n-Decane (C10)	3.3	2.46745	75		0|	(40-140)	25
Naphthalene (C11.7)	3.3	2.80621	85		1.17|	(40-140)	25
n-Dodecane (C12)	3.3	2.62149	79		1.26|	(40-140)	25
2-methylnaphthalene (C12.89)	3.3	2.62010	79		1.26|	(40-140)	25
n-Tetradecane (C14)	3.3	2.64707	80		1.24|	(40-140)	25
n-Hexadecane (C16)	3.3	2.47392	75		0|	(40-140)	25
n-Octadecane (C18)	3.3	2.38469	72		0|	(40-140)	25
n-Eicosane (C20)	3.3	2.40560	73		0|	(40-140)	25
n-Heneicosane (C21)	3.3	2.38719	72		0|	(40-140)	25
n-Docosane (C22)	3.3	2.31626	70		0|	(40-140)	25
n-Tetracosane (C24)	6.7	4.78562	71		1.4|	(40-140)	25
n-Hexacosane (C26)	3.3	2.14747	65		0|	(40-140)	25
n-Octacosane (C28)	3.3	2.25397	68		1.46|	(40-140)	25
n-Tricontane (C30)	3.3	1.97512	60		0|	(40-140)	25
n-Dotriacontane (C32)	3.3	2.02108	61		1.63|	(40-140)	25
n-Tetratriacontane (C34)	3.3	2.23415	68		0|	(40-140)	25
n-Hexatriacontane (C36)	3.3	2.63342	80		0|	(40-140)	25
n-Octatriacontane (C38)	3.3	3.08316	93		1.07|	(40-140)	25
n-Tetracontane (C40)	3.3	3.45771	105		0|	(40-140)	25

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4B

METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

PB170632BL

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG NO.: Q3662

Instrument ID: FID_E Lab Sample ID: PB170632BL

Matrix: (soil/water) Solid Date Extracted: 11/19/2025 9:45:00

Level: (low/med) low

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

CLIENT SAMPLE NO.	LAB SAMPLE ID
PB170632BS	PB170632BS
PB170632BSD	PB170632BSD
B1-0.0-1.0-20251117	Q3662-04
EO-01-11182025MS	Q3669-01MS
EO-01-11182025MSD	Q3669-01MSD

COMMENTS:

QC SAMPLE DATA

Raw Data: **FE056934.D**

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Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	PB170632BL			SDG No.:	Q3662
Lab Sample ID:	PB170632BL			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol:	2000 uL	Test:	EPH_NF
Prep Method :		Prep Date :	11/19/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	FE056934.D	11/19/25 14:09	PB170632
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	1	0.91	4.00	mg/kg	FE056934.D	11/19/25 14:09	PB170632
Total AliphaticEPH	Total AliphaticEPH	2.09	U		2.09	6.00	mg/kg			
Total EPH	Total EPH	2.09	U		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

Raw Data: **FE056934.D**

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Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	PB170632BL			SDG No.:	Q3662
Lab Sample ID:	PB170632BL			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol:	2000 uL	Test:	EPH_NF
Prep Method :		Prep Date	11/19/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	1	0.91	4.00	mg/kg	11/19/25	PB170632
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	11/19/25	PB170632
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	29.1			40 - 140	58%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	35.0			40 - 140	70%	SPK: 50		

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170632BL	Acq On:	19 Nov 2025 14:09
Client Sample ID:	PB170632BL	Operator:	YP\AJ
Data file:	FE056934.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.209	6.832	0	0	300	ug/ml
Aliphatic C12-C16	6.833	10.276	0	0	200	ug/ml
Aliphatic C16-C21	10.277	13.648	0	0	300	ug/ml
Aliphatic C21-C28	13.649	17.318	0	0	400	ug/ml
Aliphatic C28-C40	17.319	22.247	0	0	600	ug/ml
Aliphatic EPH	3.209	22.247	0	0		ug/ml
ortho-Terphenyl (SURR)	11.948	11.948	7320148	35.04		ug/ml
1-chlorooctadecane (SURR)	13.384	13.384	4691521	29.12		ug/ml
Aliphatic C9-C28	3.209	17.318	0	0	1200	ug/ml

Raw Data: **FE056935.D**

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Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	PB170632BS			SDG No.:	Q3662
Lab Sample ID:	PB170632BS			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol:	2000 uL	Test:	EPH_NF
Prep Method :		Prep Date :	11/19/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	24.5		1	1.18	2.00	mg/kg	FE056935.D	11/19/25 14:39	PB170632
Aliphatic C9-C28	Aliphatic C9-C28	68.9		1	0.91	3.99	mg/kg	FE056935.D	11/19/25 14:39	PB170632
Total AliphaticEPH	Total AliphaticEPH	93.4			2.09	5.99	mg/kg			
Total EPH	Total EPH	93.4			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

Raw Data: **FE056935.D**

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Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	PB170632BS			SDG No.:	Q3662
Lab Sample ID:	PB170632BS			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol:	2000 uL	Test:	EPH_NF
Prep Method :		Prep Date	11/19/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	68.9		1	0.91	3.99	mg/kg	11/19/25	PB170632
Aliphatic C28-C40	Aliphatic C28-C40	24.5		1	1.18	2.00	mg/kg	11/19/25	PB170632
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	30.1			40 - 140	60%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	34.3			40 - 140	69%	SPK: 50		

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170632BS	Acq On:	19 Nov 2025 14:39
Client Sample ID:	PB170632BS	Operator:	YP\AJ
Data file:	FE056935.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.209	6.832	34744240	202.99	300	ug/ml
Aliphatic C12-C16	6.833	10.276	44613076	249.578	200	ug/ml
Aliphatic C16-C21	10.277	13.648	49316119	264.422	300	ug/ml
Aliphatic C21-C28	13.649	17.318	61401352	318.528	400	ug/ml
Aliphatic C28-C40	17.319	22.247	58526334	367.363	600	ug/ml
Aliphatic EPH	3.209	22.247	248601121	1400		ug/ml
ortho-Terphenyl (SURR)	11.946	11.946	7171296	34.33		ug/ml
1-chlorooctadecane (SURR)	13.383	13.383	4841612	30.05		ug/ml
Aliphatic C9-C28	3.209	17.318	190074787	1040	1200	ug/ml

Raw Data: **FE056936.D**

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Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	PB170632BSD			SDG No.:	Q3662
Lab Sample ID:	PB170632BSD			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol:	2000 uL	Test:	EPH_NF
Prep Method :		Prep Date :	11/19/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	24.4		1	1.18	2.00	mg/kg	FE056936.D	11/19/25 15:09	PB170632
Aliphatic C9-C28	Aliphatic C9-C28	68.7		1	0.91	3.99	mg/kg	FE056936.D	11/19/25 15:09	PB170632
Total AliphaticEPH	Total AliphaticEPH	93.1			2.09	5.99	mg/kg			
Total EPH	Total EPH	93.1			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

Raw Data: **FE056936.D**

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Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	PB170632BSD			SDG No.:	Q3662
Lab Sample ID:	PB170632BSD			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol:	2000 uL	Test:	EPH_NF
Prep Method :		Prep Date	11/19/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	68.7		1	0.91	3.99	mg/kg	11/19/25	PB170632
Aliphatic C28-C40	Aliphatic C28-C40	24.4		1	1.18	2.00	mg/kg	11/19/25	PB170632
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	29.6			40 - 140	59%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	33.7			40 - 140	67%	SPK: 50		

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170632BSD	Acq On:	19 Nov 2025 15:09
Client Sample ID:	PB170632BSD	Operator:	YP\AJ
Data file:	FE056936.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.209	6.832	34487889	201.492	300	ug/ml
Aliphatic C12-C16	6.833	10.276	44535366	249.143	200	ug/ml
Aliphatic C16-C21	10.277	13.648	49205316	263.828	300	ug/ml
Aliphatic C21-C28	13.649	17.318	61155484	317.252	400	ug/ml
Aliphatic C28-C40	17.319	22.247	58352592	366.273	600	ug/ml
Aliphatic EPH	3.209	22.247	247736647	1400		ug/ml
ortho-Terphenyl (SURR)	11.946	11.946	7039398	33.7		ug/ml
1-chlorooctadecane (SURR)	13.382	13.382	4767113	29.59		ug/ml
Aliphatic C9-C28	3.209	17.318	189384055	1030	1200	ug/ml

Raw Data: **FE056946.D**

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	EO-01-11182025MS			SDG No.:	Q3662
Lab Sample ID:	Q3669-01MS			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	92.9
Sample Wt/Vol:	30.08 g	Final Vol:	2000 uL	Test:	EPH_NF
Prep Method :		Prep Date :	11/19/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	106	E	1	1.27	2.15	mg/kg	FE056946.D	11/19/25 20:11	PB170632
Aliphatic C9-C28	Aliphatic C9-C28	118	E	1	0.98	4.29	mg/kg	FE056946.D	11/19/25 20:11	PB170632
Total AliphaticEPH	Total AliphaticEPH	224			2.25	6.44	mg/kg			
Total EPH	Total EPH	224			2.25	6.44	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

Raw Data: **FE056946.D**

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Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	EO-01-11182025MS			SDG No.:	Q3662
Lab Sample ID:	Q3669-01MS			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	92.9
Sample Wt/Vol:	30.08 g	Final Vol:	2000 uL	Test:	EPH_NF
Prep Method :		Prep Date	11/19/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	118	E	1	0.98	4.29	mg/kg	11/19/25	PB170632
Aliphatic C28-C40	Aliphatic C28-C40	106	E	1	1.27	2.15	mg/kg	11/19/25	PB170632
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	55.7			40 - 140	111%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	35.8			40 - 140	72%	SPK: 50		

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3669-01MS	Acq On:	19 Nov 2025 20:11
Client Sample ID:	EO-01-11182025MS	Operator:	YP\AJ
Data file:	FE056946.D	Misc:	
Instrument:	FID_E	ALS Vial:	29
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.209	6.832	35037229	204.701	300	ug/ml
Aliphatic C12-C16	6.833	10.276	101230544	566.311	200	ug/ml
Aliphatic C16-C21	10.277	13.648	93808231	502.978	300	ug/ml
Aliphatic C21-C28	13.649	17.318	71532778	371.086	400	ug/ml
Aliphatic C28-C40	17.319	22.247	236893460	1490	600	ug/ml
Aliphatic EPH	3.209	22.247	538502242	3130		ug/ml
ortho-Terphenyl (SURR)	11.949	11.949	7470637	35.76		ug/ml
1-chlorooctadecane (SURR)	13.386	13.386	8980958	55.74		ug/ml
Aliphatic C9-C28	3.209	17.318	301608782	1650	1200	ug/ml

Raw Data: **FE056947.D**

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Fax : 908 789 8922

Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	EO-01-11182025MSD			SDG No.:	Q3662
Lab Sample ID:	Q3669-01MSD			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	92.9
Sample Wt/Vol:	30.04 g	Final Vol:	2000 uL	Test:	EPH_NF
Prep Method :		Prep Date :	11/19/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	102	E	1	1.27	2.15	mg/kg	FE056947.D	11/19/25 20:41	PB170632
Aliphatic C9-C28	Aliphatic C9-C28	115	E	1	0.98	4.29	mg/kg	FE056947.D	11/19/25 20:41	PB170632
Total AliphaticEPH	Total AliphaticEPH	217			2.25	6.44	mg/kg			
Total EPH	Total EPH	217			2.25	6.44	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

Raw Data: **FE056947.D**

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	EO-01-11182025MSD			SDG No.:	Q3662
Lab Sample ID:	Q3669-01MSD			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	92.9
Sample Wt/Vol:	30.04 g	Final Vol:	2000 uL	Test:	EPH_NF
Prep Method :		Prep Date	11/19/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	115	E	1	0.98	4.29	mg/kg	11/19/25	PB170632
Aliphatic C28-C40	Aliphatic C28-C40	102	E	1	1.27	2.15	mg/kg	11/19/25	PB170632
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	56.6			40 - 140	113%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	36.4			40 - 140	73%	SPK: 50		

Alliance TECHNICAL GROUP
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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3669-01MSD	Acq On:	19 Nov 2025 20:41
Client Sample ID:	EO-01-11182025MSD	Operator:	YP\AJ
Data file:	FE056947.D	Misc:	
Instrument:	FID_E	ALS Vial:	30
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.209	6.832	35610764	208.052	300	ug/ml
Aliphatic C12-C16	6.833	10.276	102423455	572.985	200	ug/ml
Aliphatic C16-C21	10.277	13.648	82348812	441.536	300	ug/ml
Aliphatic C21-C28	13.649	17.318	72341816	375.283	400	ug/ml
Aliphatic C28-C40	17.319	22.247	226781799	1420	600	ug/ml
Aliphatic EPH	3.209	22.247	519506646	3020		ug/ml
ortho-Terphenyl (SURR)	11.951	11.951	7602978	36.39		ug/ml
1-chlorooctadecane (SURR)	13.388	13.388	9124954	56.64		ug/ml
Aliphatic C9-C28	3.209	17.318	292724847	1600	1200	ug/ml

CALIBRATION SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Inital Calibration Report for SequenceID : FE103025AL

AreaCount

Parameter Range	FE056575.D	FE056576.D	FE056577.D	FE056578.D	FE056579.D	
Aliphatic C9-C12	47378340.000	25372826.000	10134874.000	5323968.000	2735296.000	
Aliphatic C12-C16	32958436.000	17867364.000	7039199.000	3707774.000	1889371.000	
Aliphatic C16-C21	50634896.000	27807189.000	10962966.000	5844076.000	3012669.000	
Aliphatic C21-C28	65391355.000	36849784.000	14322959.000	8150425.000	4666116.000	
Aliphatic C28-C40	76863576.000	43549713.000	17723612.000	10141838.000	6197225.000	
Aliphatic EPH	273226603.000	151446876.000	60183610.000	33168081.000	18500677.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	171162.641333	5.459				
Aliphatic C12-C16	178754.319	5.236				
Aliphatic C16-C21	186505.4959998	6.59				
Aliphatic C21-C28	192766.144	13.927				
Aliphatic C28-C40	159314.647333	18.927				
Aliphatic EPH	175414.750555	11.628				

Concentration

Parameter Range	FE056575.D	FE056576.D	FE056577.D	FE056578.D	FE056579.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	FE056575.D	FE056576.D	FE056577.D	FE056578.D	FE056579.D	
Aliphatic C9-C12	157927.800000	169152.173333	168914.566666	177465.600000	182353.066666	
Aliphatic C12-C16	164792.180000	178673.640000	175979.975000	185388.700000	188937.100000	
Aliphatic C16-C21	168782.986666	185381.260000	182716.100000	194802.533333	200844.600000	

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Inital Calibration Report for SequenceID : FE103025AL

Aliphatic C21-C28	163478.387500	184248.920000	179036.987500	203760.625000	233305.800000	
Aliphatic C28-C40	128105.960000	145165.710000	147696.766666	169030.633333	206574.166666	
Aliphatic EPH	151792.557222	168274.306666	167176.694444	184267.116666	205563.077777	

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Continuing Calibration Report for SequenceID : FE111925AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE056933.D**						
Aliphatic C9-C12	10853352.000	60.000	3.209	6.832	180889.200	171162.641	-5.683
Aliphatic C12-C16	7859238.000	40.000	6.833	10.276	196480.950	178754.319	-9.917
Aliphatic C16-C21	11590539.000	60.000	10.277	13.648	193175.650	186505.496	-3.576
Aliphatic C21-C28	15245799.000	80.000	13.649	17.318	190572.488	192766.144	1.138
Aliphatic C28-C40	21766711.000	120.000	17.319	22.247	181389.258	159314.647	-13.856
Aliphatic EPH	67315639.000	360.000	3.209	22.247	186987.886	175414.751	-6.598

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	19 Nov 2025 12:53
Client Sample ID:		Operator:	YP\AJ
Data file:	FE056933.D	Misc:	
Instrument:	FID_E	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.209	6.832	10853352.000	60.000	ug/ml
Aliphatic C12-C16	6.833	10.276	7859238.000	40.000	ug/ml
Aliphatic C16-C21	10.277	13.648	11590539.000	60.000	ug/ml
Aliphatic C21-C28	13.649	17.318	15245799.000	80.000	ug/ml
Aliphatic C28-C40	17.319	22.247	21766711.000	120.000	ug/ml
Aliphatic EPH	3.209	22.247	67315639.000	360.000	ug/ml

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Fax : 908 789 8922

Continuing Calibration Report for SequenceID : FE111925AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE056951.D**						
Aliphatic C9-C12	10640577.000	60.000	3.209	6.832	177342.950	171162.641	-3.611
Aliphatic C12-C16	7687864.000	40.000	6.833	10.276	192196.600	178754.319	-7.520
Aliphatic C16-C21	11208454.000	60.000	10.277	13.648	186807.567	186505.496	-0.162
Aliphatic C21-C28	14779353.000	80.000	13.649	17.318	184741.913	192766.144	4.163
Aliphatic C28-C40	22123582.000	120.000	17.319	22.247	184363.183	159314.647	-15.723
Aliphatic EPH	66439830.000	360.000	3.209	22.247	184555.083	175414.751	-5.211

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Fax : 908 789 8922

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	19 Nov 2025 23:12
Client Sample ID:		Operator:	YP\AJ
Data file:	FE056951.D	Misc:	
Instrument:	FID_E	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.209	6.832	10640577.000	60.000	ug/ml
Aliphatic C12-C16	6.833	10.276	7687864.000	40.000	ug/ml
Aliphatic C16-C21	10.277	13.648	11208454.000	60.000	ug/ml
Aliphatic C21-C28	13.649	17.318	14779353.000	80.000	ug/ml
Aliphatic C28-C40	17.319	22.247	22123582.000	120.000	ug/ml
Aliphatic EPH	3.209	22.247	66439830.000	360.000	ug/ml

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111925AL\
Data File : FE056937.D
Signal(s) : FID1B.ch
Acq On : 19 Nov 2025 15:39
Operator : YP\AJ
Sample : Q3662-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
B1-0.0-1.0-20251117

Integration File: autoint1.E
Quant Time: Nov 20 01:24:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Quant Title : GC Extractables
QLast Update : Tue Nov 18 13:37:28 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)	11.945	5850823	28.006 ug/ml
Spiked Amount 50.000		Recovery =	56.01%
12) S 1-chlorooctadecane (S...	13.381	4236962	26.297 ug/ml
Spiked Amount 50.000		Recovery =	52.59%
Target Compounds			

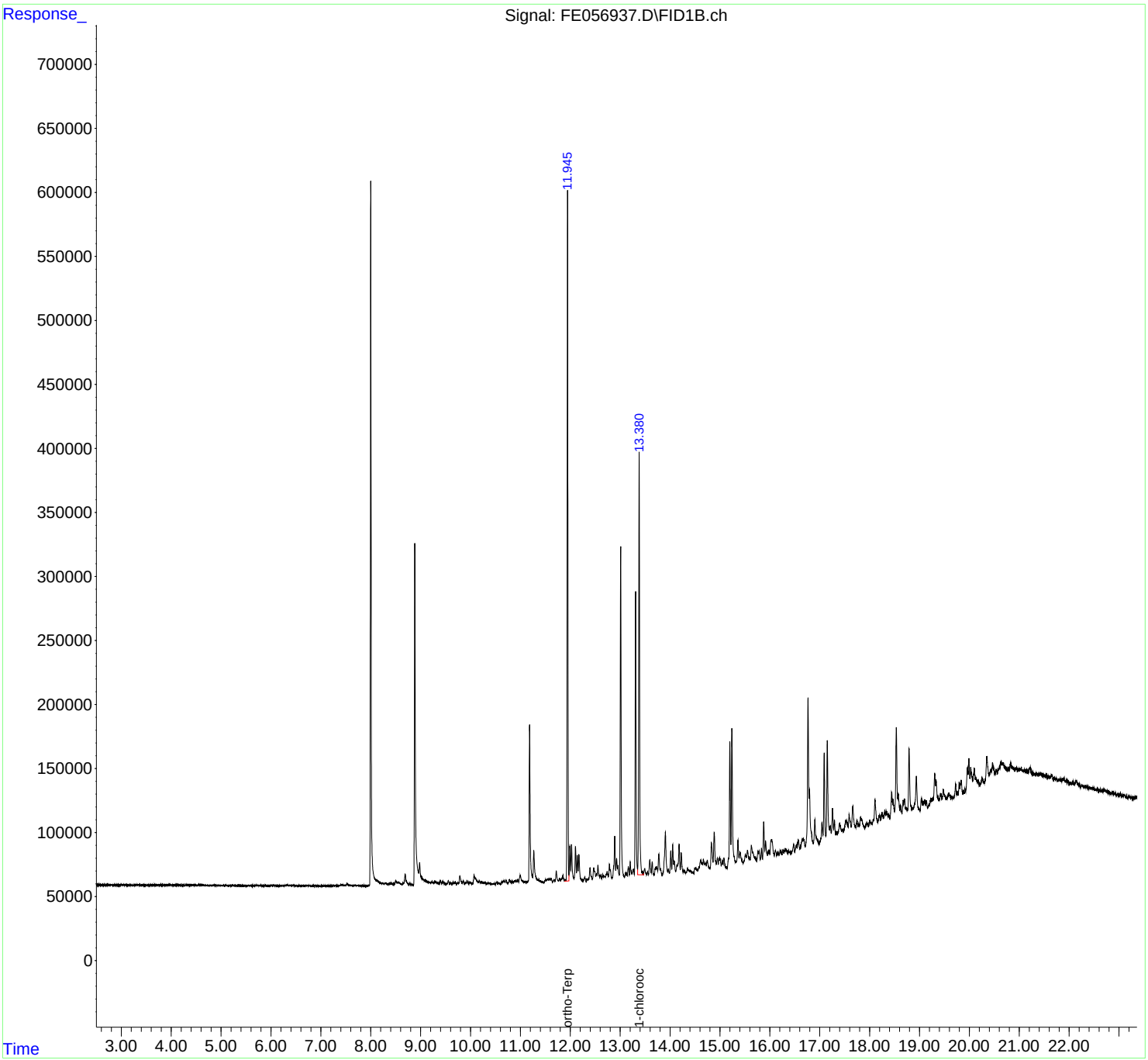
(f)=RT Delta > 1/2 Window (m)=manual int.

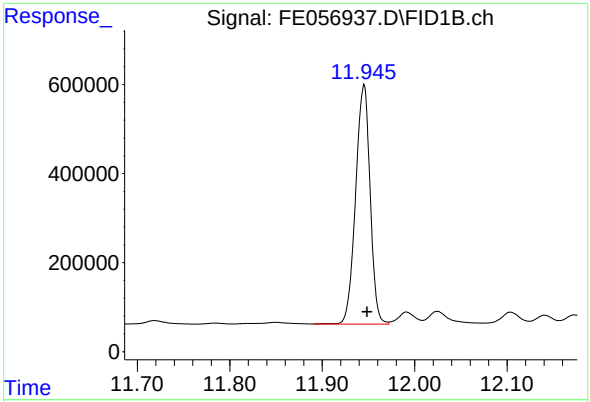
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111925AL\
Data File : FE056937.D
Signal(s) : FID1B.ch
Acq On : 19 Nov 2025 15:39
Operator : YP\AJ
Sample : Q3662-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
B1-0.0-1.0-20251117

Integration File: autoint1.E
Quant Time: Nov 20 01:24:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Quant Title : GC Extractables
QLast Update : Tue Nov 18 13:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

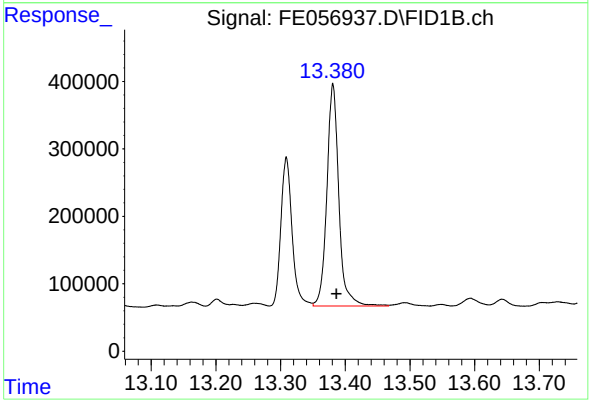




#9 ortho-Terphenyl (SURR)

R.T.: 11.945 min
Delta R.T.: -0.004 min
Response: 5850823
Conc: 28.01 ug/ml

Instrument :
FID_E
ClientSampleId :
B1-0.0-1.0-20251117



#12 1-chlorooctadecane (SURR)

R.T.: 13.381 min
Delta R.T.: -0.005 min
Response: 4236962
Conc: 26.30 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111925AL\
Data File : FE056937.D
Signal(s) : FID1B.ch
Acq On : 19 Nov 2025 15:39
Sample : Q3662-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.552	2.524	2.611	BV	64	-501	-0.01%	-0.000%
2	2.624	2.611	2.720	PV	141	1717	0.03%	0.002%
3	2.739	2.720	2.771	VV	186	3446	0.06%	0.003%
4	2.776	2.771	2.791	VV	95	910	0.02%	0.001%
5	2.797	2.791	2.850	PV	88	3259	0.06%	0.003%
6	2.860	2.850	2.928	VV	197	4698	0.08%	0.004%
7	2.935	2.928	2.954	VV	118	1457	0.02%	0.001%
8	2.998	2.954	3.074	VV	226	10536	0.18%	0.010%
9	3.085	3.074	3.158	VV	217	5607	0.10%	0.005%
10	3.166	3.158	3.261	VV	184	6635	0.11%	0.006%
11	3.271	3.261	3.284	VV	151	2036	0.03%	0.002%
12	3.306	3.284	3.354	VV	680	13105	0.22%	0.012%
13	3.366	3.354	3.378	VV	255	2791	0.05%	0.003%
14	3.386	3.378	3.411	VV	202	3140	0.05%	0.003%
15	3.426	3.411	3.464	VV	244	5884	0.10%	0.005%
16	3.474	3.464	3.508	VV	232	4660	0.08%	0.004%
17	3.555	3.508	3.603	VV	227	10827	0.18%	0.010%
18	3.616	3.603	3.638	VV	284	4453	0.08%	0.004%
19	3.663	3.638	3.724	VV	317	9221	0.16%	0.009%
20	3.734	3.724	3.742	VV	245	1891	0.03%	0.002%
21	3.757	3.742	3.780	VV	267	5620	0.10%	0.005%
22	3.802	3.780	3.826	VV	480	9875	0.17%	0.009%
23	3.834	3.826	3.849	VV	332	4178	0.07%	0.004%
24	3.857	3.849	3.869	VV	282	2830	0.05%	0.003%
25	3.892	3.869	3.904	VV	291	5006	0.09%	0.005%
26	3.930	3.904	3.978	VV	367	13700	0.23%	0.013%
27	3.994	3.978	4.038	VV	401	11276	0.19%	0.010%
28	4.051	4.038	4.091	VV	304	9431	0.16%	0.009%
29	4.105	4.091	4.121	VV	373	5855	0.10%	0.005%
30	4.134	4.121	4.152	VV	374	5803	0.10%	0.005%
31	4.166	4.152	4.188	VV	377	6169	0.11%	0.006%

rteres

32	4.208	4.188	4.232	VV	278	6368	0.11%	0.006%
33	4.252	4.232	4.266	VV	300	5094	0.09%	0.005%
34	4.301	4.266	4.348	VV	482	18704	0.32%	0.017%
35	4.358	4.348	4.365	VV	395	3808	0.06%	0.004%
36	4.371	4.365	4.408	VV	409	9409	0.16%	0.009%
37	4.423	4.408	4.484	VV	405	15720	0.27%	0.015%
38	4.487	4.484	4.498	VV	409	2638	0.04%	0.002%
39	4.502	4.498	4.524	VV	359	4627	0.08%	0.004%
40	4.560	4.524	4.581	VV	851	16225	0.28%	0.015%
41	4.606	4.581	4.634	VV	696	15370	0.26%	0.014%
42	4.642	4.634	4.704	VV	395	10746	0.18%	0.010%
43	4.716	4.704	4.723	VV	207	1878	0.03%	0.002%
44	4.749	4.723	4.764	VV	278	4901	0.08%	0.005%
45	4.777	4.764	4.791	VV	209	2760	0.05%	0.003%
46	4.835	4.791	4.883	VV	406	15358	0.26%	0.014%
47	4.897	4.883	4.907	VV	293	3564	0.06%	0.003%
48	4.920	4.907	4.971	VV	250	7124	0.12%	0.007%
49	4.982	4.971	4.990	VV	180	1907	0.03%	0.002%
50	5.001	4.990	5.029	VV	225	4178	0.07%	0.004%
51	5.066	5.029	5.144	VV	292	12989	0.22%	0.012%
52	5.153	5.144	5.211	VV	195	4447	0.08%	0.004%
53	5.231	5.211	5.256	VV	215	4220	0.07%	0.004%
54	5.270	5.256	5.305	VV	218	4966	0.08%	0.005%
55	5.312	5.305	5.328	VV	195	1953	0.03%	0.002%
56	5.339	5.328	5.347	VV	144	1395	0.02%	0.001%
57	5.358	5.347	5.378	VV	190	2907	0.05%	0.003%
58	5.380	5.378	5.398	VV	167	1468	0.03%	0.001%
59	5.407	5.398	5.438	VV	148	2674	0.05%	0.002%
60	5.465	5.438	5.519	VV	205	6742	0.11%	0.006%
61	5.566	5.519	5.628	VV	250	9890	0.17%	0.009%
62	5.641	5.628	5.680	PV	140	3205	0.05%	0.003%
63	5.703	5.680	5.722	VV	523	7565	0.13%	0.007%
64	5.734	5.722	5.814	VV	490	12080	0.21%	0.011%
65	5.821	5.814	5.836	VV	158	2020	0.03%	0.002%
66	5.864	5.836	5.915	VV	233	7532	0.13%	0.007%
67	5.926	5.915	5.973	VV	130	2704	0.05%	0.002%
68	5.998	5.973	6.034	VV	322	8681	0.15%	0.008%
69	6.054	6.034	6.158	VV	375	13608	0.23%	0.013%
70	6.176	6.158	6.211	VV	159	3112	0.05%	0.003%
71	6.221	6.211	6.254	VV	160	2432	0.04%	0.002%
72	6.271	6.254	6.284	VV	171	2270	0.04%	0.002%
73	6.312	6.284	6.424	VV	657	32872	0.56%	0.030%
74	6.436	6.424	6.495	VV	481	10466	0.18%	0.010%
75	6.505	6.495	6.537	VV	163	3774	0.06%	0.003%
76	6.564	6.537	6.587	VV	282	5437	0.09%	0.005%
77	6.625	6.587	6.644	VV	230	5980	0.10%	0.006%
78	6.654	6.644	6.718	VV	216	8088	0.14%	0.007%
79	6.733	6.718	6.771	VV	698	9518	0.16%	0.009%

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80	6.777	6.771	6.791	VV	119	1384	0.02%	0.001%
81	6.884	6.791	6.904	VV	236	9404	0.16%	0.009%
82	6.920	6.904	6.955	VV	190	3759	0.06%	0.003%
83	6.968	6.955	6.980	VV	138	1099	0.02%	0.001%
84	7.072	6.980	7.118	PV	188	8507	0.15%	0.008%
85	7.155	7.118	7.195	VV	236	7078	0.12%	0.007%
86	7.202	7.195	7.217	VV	213	2085	0.04%	0.002%
87	7.238	7.217	7.261	VV	216	4405	0.08%	0.004%
88	7.267	7.261	7.281	VV	149	1776	0.03%	0.002%
89	7.312	7.281	7.337	VV	234	5785	0.10%	0.005%
90	7.355	7.337	7.377	VV	245	4735	0.08%	0.004%
91	7.404	7.377	7.440	VV	1046	28095	0.48%	0.026%
92	7.451	7.440	7.495	VV	762	18562	0.32%	0.017%
93	7.525	7.495	7.621	VV	2204	62850	1.07%	0.058%
94	7.630	7.621	7.652	VV	455	6879	0.12%	0.006%
95	7.681	7.652	7.728	VV	643	15806	0.27%	0.015%
96	7.738	7.728	7.746	VV	217	1967	0.03%	0.002%
97	7.765	7.746	7.825	VV	231	5675	0.10%	0.005%
98	7.854	7.825	7.937	VV	199	4302	0.07%	0.004%
99	8.293	8.273	8.344	VV	2052	69955	1.19%	0.065%
100	8.391	8.344	8.416	VV	1711	62159	1.06%	0.057%
101	8.424	8.416	8.477	VV	1593	47736	0.81%	0.044%
102	8.501	8.477	8.519	VV	4277	68090	1.16%	0.063%
103	8.533	8.519	8.551	VV	2824	45391	0.77%	0.042%
104	8.565	8.551	8.629	VV	2647	76531	1.30%	0.071%
105	8.689	8.629	8.757	VV	8910	230856	3.94%	0.213%
106	8.777	8.757	8.853	VV	1546	41638	0.71%	0.038%
107	8.979	8.961	9.202	VV	17742	734200	12.52%	0.677%
108	9.226	9.202	9.251	VV	2521	60888	1.04%	0.056%
109	9.300	9.251	9.374	VV	2648	147066	2.51%	0.136%
110	9.396	9.374	9.421	VV	3302	61104	1.04%	0.056%
111	9.442	9.421	9.504	VV	2703	73619	1.26%	0.068%
112	9.553	9.504	9.577	VV	3179	64138	1.09%	0.059%
113	9.594	9.577	9.631	VV	1843	38111	0.65%	0.035%
114	9.653	9.631	9.664	VV	1525	25073	0.43%	0.023%
115	9.691	9.664	9.719	VV	2101	49483	0.84%	0.046%
116	9.740	9.719	9.759	VV	1428	25683	0.44%	0.024%
117	9.786	9.759	9.834	VV	6875	155041	2.64%	0.143%
118	9.854	9.834	9.882	VV	2788	53611	0.91%	0.049%
119	9.899	9.882	9.910	VV	1385	21443	0.37%	0.020%
120	9.931	9.910	9.968	VV	2721	60561	1.03%	0.056%
121	9.987	9.968	10.032	VV	1465	41625	0.71%	0.038%
122	10.072	10.032	10.096	VV	7001	140315	2.39%	0.129%
123	10.105	10.096	10.157	VV	4712	116249	1.98%	0.107%
124	10.175	10.157	10.197	VV	3233	55358	0.94%	0.051%
125	10.217	10.197	10.256	VV	2074	55291	0.94%	0.051%
126	10.286	10.256	10.334	VV	1407	48359	0.82%	0.045%

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127	10.354	10.334	10.433	VV	1233	32579	0.56%	0.030%
128	10.448	10.433	10.471	PV	214	3081	0.05%	0.003%
129	10.489	10.471	10.498	VV	250	3099	0.05%	0.003%
130	10.525	10.498	10.588	VV	1363	39407	0.67%	0.036%
131	10.628	10.588	10.641	VV	1842	26943	0.46%	0.025%
132	10.670	10.641	10.690	VV	2364	53726	0.92%	0.050%
133	10.710	10.690	10.743	VV	2970	52112	0.89%	0.048%
134	10.779	10.743	10.821	VV	3132	67361	1.15%	0.062%
135	10.841	10.821	10.860	VV	1683	27971	0.48%	0.026%
136	10.881	10.860	10.896	VV	1964	35150	0.60%	0.032%
137	10.914	10.896	10.931	VV	2884	44065	0.75%	0.041%
138	10.948	10.931	10.966	VV	3153	43376	0.74%	0.040%
139	10.996	10.966	11.074	VV	6071	180310	3.07%	0.166%
140	11.089	11.074	11.118	VV	1450	24167	0.41%	0.022%
141	11.184	11.118	11.244	VV	122875	1717219	29.28%	1.584%
142	11.268	11.244	11.352	VV	25121	545760	9.30%	0.503%
143	11.364	11.352	11.471	VV	2175	67112	1.14%	0.062%
144	11.502	11.471	11.517	PV	2213	32769	0.56%	0.030%
145	11.552	11.517	11.567	VV	2739	62473	1.07%	0.058%
146	11.585	11.567	11.603	VV	2912	49131	0.84%	0.045%
147	11.619	11.603	11.643	VV	3114	41779	0.71%	0.039%
148	11.674	11.643	11.691	VV	1779	30267	0.52%	0.028%
149	11.719	11.691	11.764	VV	8644	145142	2.47%	0.134%
150	11.785	11.764	11.803	VV	2826	38959	0.66%	0.036%
151	11.849	11.803	11.891	VV	4463	113734	1.94%	0.105%
152	11.945	11.891	11.972	VV	534882	5865488	100.00%	5.410%
153	11.991	11.972	12.008	VV	27427	344596	5.87%	0.318%
154	12.025	12.008	12.074	VV	28625	451021	7.69%	0.416%
155	12.104	12.074	12.124	VV	26750	383371	6.54%	0.354%
156	12.141	12.124	12.157	VV	19817	257207	4.39%	0.237%
157	12.173	12.157	12.258	VV	20459	335678	5.72%	0.310%
158	12.291	12.258	12.315	VV	2546	38771	0.66%	0.036%
159	12.333	12.315	12.347	PV	992	13035	0.22%	0.012%
160	12.395	12.347	12.443	VV	9742	195329	3.33%	0.180%
161	12.469	12.443	12.511	VV	9450	224718	3.83%	0.207%
162	12.554	12.511	12.590	VV	11375	249409	4.25%	0.230%
163	12.610	12.590	12.628	VV	2944	55299	0.94%	0.051%
164	12.647	12.628	12.659	VV	3196	43709	0.75%	0.040%
165	12.670	12.659	12.701	VV	2641	54863	0.94%	0.051%
166	12.738	12.701	12.764	VV	5970	130478	2.22%	0.120%
167	12.784	12.764	12.835	VV	11582	222351	3.79%	0.205%
168	12.891	12.835	12.911	VV	32907	525669	8.96%	0.485%
169	12.928	12.911	12.945	VV	15498	230315	3.93%	0.212%
170	12.955	12.945	12.984	VV	10173	141710	2.42%	0.131%
171	13.010	12.984	13.087	VV	260622	3282093	55.96%	3.027%
172	13.109	13.087	13.124	VV	3848	54989	0.94%	0.051%
173	13.164	13.124	13.184	VV	7869	156597	2.67%	0.144%
174	13.202	13.184	13.240	VV	12265	200845	3.42%	0.185%

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175	13.260	13.240	13.282	VV	5928	110039	1.88%	0.101%
176	13.309	13.282	13.349	VV	220310	2715957	46.30%	2.505%
177	13.381	13.349	13.467	VV	330735	4348818	74.14%	4.011%
178	13.492	13.467	13.530	VV	6198	132387	2.26%	0.122%
179	13.548	13.530	13.565	VV	3474	48506	0.83%	0.045%
180	13.593	13.565	13.622	VV	12635	220903	3.77%	0.204%
181	13.642	13.622	13.676	VV	10979	160200	2.73%	0.148%
182	13.706	13.676	13.713	VV	5896	74056	1.26%	0.068%
183	13.729	13.713	13.752	VV	6932	132561	2.26%	0.122%
184	13.775	13.752	13.840	VV	16647	350232	5.97%	0.323%
185	13.906	13.840	13.950	PV	33621	729684	12.44%	0.673%
186	13.966	13.950	13.986	VV	4492	64375	1.10%	0.059%
187	14.014	13.986	14.034	VV	18288	247838	4.23%	0.229%
188	14.053	14.034	14.074	VV	23305	321134	5.47%	0.296%
189	14.085	14.074	14.113	VV	10174	153803	2.62%	0.142%
190	14.139	14.113	14.151	VV	6815	113220	1.93%	0.104%
191	14.181	14.151	14.205	VV	23177	389445	6.64%	0.359%
192	14.225	14.205	14.271	VV	16281	270532	4.61%	0.250%
193	14.287	14.271	14.325	VV	2217	39899	0.68%	0.037%
194	14.350	14.325	14.398	VV	3429	87779	1.50%	0.081%
195	14.413	14.398	14.451	VV	1535	30123	0.51%	0.028%
196	14.460	14.451	14.472	VV	456	3094	0.05%	0.003%
197	14.499	14.472	14.534	PV	3491	86593	1.48%	0.080%
198	14.543	14.534	14.558	VV	2103	25808	0.44%	0.024%
199	14.614	14.558	14.631	VV	9026	238765	4.07%	0.220%
200	14.641	14.631	14.653	VV	6990	86064	1.47%	0.079%
201	14.669	14.653	14.687	VV	9569	146484	2.50%	0.135%
202	14.702	14.687	14.722	VV	6610	120174	2.05%	0.111%
203	14.746	14.722	14.794	VV	8309	213319	3.64%	0.197%
204	14.829	14.794	14.860	VV	21645	435866	7.43%	0.402%
205	14.885	14.860	14.929	VV	29599	576185	9.82%	0.531%
206	14.948	14.929	14.966	VV	9043	153709	2.62%	0.142%
207	14.999	14.966	15.027	VV	8401	240372	4.10%	0.222%
208	15.046	15.027	15.062	VV	6476	97801	1.67%	0.090%
209	15.080	15.062	15.143	VV	8322	159159	2.71%	0.147%
210	15.198	15.143	15.219	PV	98298	1339151	22.83%	1.235%
211	15.239	15.219	15.325	VV	108407	1804720	30.77%	1.665%
212	15.360	15.325	15.384	VV	20023	353957	6.03%	0.326%
213	15.403	15.384	15.463	VV	9988	274642	4.68%	0.253%
214	15.509	15.463	15.530	VV	6997	173973	2.97%	0.160%
215	15.552	15.530	15.579	VV	10535	216952	3.70%	0.200%
216	15.587	15.579	15.605	VV	4670	60886	1.04%	0.056%
217	15.631	15.605	15.734	VV	12851	458822	7.82%	0.423%
218	15.761	15.734	15.772	VV	7959	105059	1.79%	0.097%
219	15.785	15.772	15.807	VV	7908	107804	1.84%	0.099%
220	15.833	15.807	15.852	VV	9751	128330	2.19%	0.118%
221	15.877	15.852	15.900	VV	30019	436423	7.44%	0.403%

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222	15.916	15.900	15.951	VV	14528	261713	4.46%	0.241%
223	15.981	15.951	15.999	VV	6685	149777	2.55%	0.138%
224	16.038	15.999	16.091	VV	15034	510558	8.70%	0.471%
225	16.110	16.091	16.137	VV	5233	109825	1.87%	0.101%
226	16.159	16.137	16.184	VV	3173	71938	1.23%	0.066%
227	16.206	16.184	16.243	VV	4694	107822	1.84%	0.099%
228	16.263	16.243	16.280	VV	4582	72583	1.24%	0.067%
229	16.300	16.280	16.359	VV	4595	165534	2.82%	0.153%
230	16.378	16.359	16.428	VV	3023	75880	1.29%	0.070%
231	16.478	16.428	16.501	VV	7511	152369	2.60%	0.141%
232	16.531	16.501	16.540	VV	5734	94544	1.61%	0.087%
233	16.572	16.540	16.604	VV	9661	257635	4.39%	0.238%
234	16.646	16.604	16.658	VV	9652	214004	3.65%	0.197%
235	16.678	16.658	16.710	VV	9610	235223	4.01%	0.217%
236	16.766	16.710	16.873	VV	118776	2869212	48.92%	2.647%
237	16.903	16.873	16.987	VV	22937	649826	11.08%	0.599%
238	17.046	16.987	17.065	VV	19393	435794	7.43%	0.402%
239	17.090	17.065	17.123	VV	73784	1098424	18.73%	1.013%
240	17.152	17.123	17.194	VV	82529	1442931	24.60%	1.331%
241	17.212	17.194	17.234	VV	15355	320457	5.46%	0.296%
242	17.256	17.234	17.280	VV	28720	520657	8.88%	0.480%
243	17.296	17.280	17.321	VV	19014	337168	5.75%	0.311%
244	17.337	17.321	17.347	VV	9685	135914	2.32%	0.125%
245	17.398	17.347	17.443	VV	16120	662309	11.29%	0.611%
246	17.458	17.443	17.472	VV	10963	170206	2.90%	0.157%
247	17.533	17.472	17.567	VV	16625	764959	13.04%	0.706%
248	17.590	17.567	17.632	VV	21089	603544	10.29%	0.557%
249	17.664	17.632	17.722	VV	26622	884899	15.09%	0.816%
250	17.745	17.722	17.763	VV	15257	314290	5.36%	0.290%
251	17.774	17.763	17.793	VV	12376	202656	3.46%	0.187%
252	17.819	17.793	17.900	VV	17373	799751	13.63%	0.738%
253	17.948	17.900	17.977	VV	11631	457162	7.79%	0.422%
254	18.007	17.977	18.041	VV	12840	416544	7.10%	0.384%
255	18.108	18.041	18.164	VV	27599	1132320	19.30%	1.044%
256	18.196	18.164	18.214	VV	15589	396716	6.76%	0.366%
257	18.248	18.214	18.272	VV	17195	496834	8.47%	0.458%
258	18.307	18.272	18.321	VV	18155	449872	7.67%	0.415%
259	18.337	18.321	18.381	VV	16956	544089	9.28%	0.502%
260	18.388	18.381	18.404	VV	13945	180113	3.07%	0.166%
261	18.442	18.404	18.460	VV	31354	719390	12.26%	0.664%
262	18.471	18.460	18.504	VV	24971	539688	9.20%	0.498%
263	18.535	18.504	18.562	VV	81057	1552465	26.47%	1.432%
264	18.573	18.562	18.604	VV	28456	586586	10.00%	0.541%
265	18.615	18.604	18.648	VV	18683	443898	7.57%	0.409%
266	18.672	18.648	18.682	VV	22892	383230	6.53%	0.353%
267	18.699	18.682	18.728	VV	23488	545271	9.30%	0.503%
268	18.737	18.728	18.755	VV	16916	259785	4.43%	0.240%
269	18.791	18.755	18.865	VV	62156	1712543	29.20%	1.580%

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270	18.936	18.865	19.010	VV	39708	1701355	29.01%	1.569%
271	19.039	19.010	19.060	VV	21578	518842	8.85%	0.479%
272	19.073	19.060	19.084	VV	17697	254042	4.33%	0.234%
273	19.105	19.084	19.122	VV	19433	404854	6.90%	0.373%
274	19.139	19.122	19.171	VV	17862	458594	7.82%	0.423%
275	19.230	19.171	19.248	VV	19752	749124	12.77%	0.691%
276	19.259	19.248	19.274	VV	19388	296684	5.06%	0.274%
277	19.306	19.274	19.324	VV	38636	872868	14.88%	0.805%
278	19.334	19.324	19.395	VV	32828	953792	16.26%	0.880%
279	19.431	19.395	19.451	VV	21527	659101	11.24%	0.608%
280	19.480	19.451	19.541	VV	24356	1059443	18.06%	0.977%
281	19.548	19.541	19.555	VV	17726	140456	2.39%	0.130%
282	19.592	19.555	19.613	VV	20675	664474	11.33%	0.613%
283	19.620	19.613	19.629	VV	19438	174202	2.97%	0.161%
284	19.636	19.629	19.684	VV	17994	554560	9.45%	0.512%
285	19.724	19.684	19.774	VV	26926	1088889	18.56%	1.004%
286	19.795	19.774	19.810	VV	27555	501642	8.55%	0.463%
287	19.838	19.810	19.867	VV	28691	823534	14.04%	0.760%
288	19.881	19.867	19.895	VV	20158	328056	5.59%	0.303%
289	19.909	19.895	19.925	VV	21203	355468	6.06%	0.328%
290	19.961	19.925	19.973	VV	36759	837450	14.28%	0.772%
291	19.991	19.973	20.011	VV	44620	847715	14.45%	0.782%
292	20.028	20.011	20.064	VV	36536	993066	16.93%	0.916%
293	20.099	20.064	20.121	VV	34864	1034330	17.63%	0.954%
294	20.132	20.121	20.169	VV	28292	748789	12.77%	0.691%
295	20.178	20.169	20.202	VV	25912	467788	7.98%	0.431%
296	20.255	20.202	20.308	VV	27005	1528793	26.06%	1.410%
297	20.349	20.308	20.392	VV	42460	1621270	27.64%	1.495%
298	20.435	20.392	20.444	VV	32429	937770	15.99%	0.865%
299	20.464	20.444	20.481	VV	36657	749299	12.77%	0.691%
300	20.490	20.481	20.513	VV	32625	576659	9.83%	0.532%
301	20.535	20.513	20.558	VV	31373	786333	13.41%	0.725%
302	20.637	20.558	20.651	VV	36875	1819020	31.01%	1.678%
303	20.662	20.651	20.707	VV	35071	1125872	19.19%	1.038%
304	20.717	20.707	20.734	VV	31992	505782	8.62%	0.467%
305	20.748	20.734	20.758	VV	30139	411851	7.02%	0.380%
306	20.780	20.758	20.793	VV	29447	609543	10.39%	0.562%
307	20.829	20.793	20.861	VV	34268	1273468	21.71%	1.175%
308	20.872	20.861	20.909	VV	30431	836479	14.26%	0.772%
309	20.928	20.909	20.941	VV	28640	540055	9.21%	0.498%
310	20.948	20.941	20.963	VV	29473	363175	6.19%	0.335%
311	20.989	20.963	21.009	VV	27643	746568	12.73%	0.689%
312	21.018	21.009	21.038	VV	27824	465985	7.94%	0.430%
313	21.044	21.038	21.074	VV	28392	562794	9.60%	0.519%
314	21.083	21.074	21.141	VV	25772	1013848	17.28%	0.935%
315	21.154	21.141	21.164	VV	26012	339929	5.80%	0.314%
316	21.176	21.164	21.188	VV	23979	331962	5.66%	0.306%

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317	21.219	21.188	21.251	VV	26622	939030	16.01%	0.866%
318	21.270	21.251	21.330	VV	22440	999033	17.03%	0.921%
319	21.344	21.330	21.381	VV	21506	624406	10.65%	0.576%
320	21.396	21.381	21.524	VV	21300	1650574	28.14%	1.522%
321	21.532	21.524	21.538	VV	18180	148783	2.54%	0.137%
322	21.550	21.538	21.572	VV	19321	346194	5.90%	0.319%
323	21.584	21.572	21.634	VV	17159	586324	10.00%	0.541%
324	21.648	21.634	21.686	VV	17624	498339	8.50%	0.460%
325	21.707	21.686	21.763	VV	15472	621230	10.59%	0.573%
326	21.770	21.763	21.780	VV	12637	125852	2.15%	0.116%
327	21.842	21.780	21.854	VV	12545	533549	9.10%	0.492%
328	21.878	21.854	21.926	VV	12690	495574	8.45%	0.457%
329	21.938	21.926	22.008	VV	11230	452525	7.72%	0.417%
330	22.017	22.008	22.027	VV	7878	92225	1.57%	0.085%
331	22.037	22.027	22.058	VV	8380	137193	2.34%	0.127%
332	22.073	22.058	22.110	VV	8957	227296	3.88%	0.210%
333	22.140	22.110	22.171	VV	8477	267018	4.55%	0.246%
334	22.182	22.171	22.232	VV	5825	167722	2.86%	0.155%
335	22.257	22.232	22.279	VV	4638	103468	1.76%	0.095%
336	22.285	22.279	22.307	VV	3829	46205	0.79%	0.043%
337	22.319	22.307	22.331	VV	3525	37522	0.64%	0.035%
338	22.348	22.331	22.358	VV	2768	35861	0.61%	0.033%
339	22.364	22.358	22.392	VV	2682	29007	0.49%	0.027%

Sum of corrected areas: 108414862

Aliphatic EPH 103025.M Thu Nov 20 04:44:20 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111925AL\
Data File : FE056934.D
Signal(s) : FID1B.ch
Acq On : 19 Nov 2025 14:09
Operator : YP\AJ
Sample : PB170632BL
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB170632BL

Integration File: autoint1.E
Quant Time: Nov 20 01:23:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Quant Title : GC Extractables
QLast Update : Tue Nov 18 13:37:28 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)	11.948	7320148	35.039 ug/ml
Spiked Amount 50.000		Recovery =	70.08%
12) S 1-chlorooctadecane (S...	13.384	4691521	29.119 ug/ml
Spiked Amount 50.000		Recovery =	58.24%
Target Compounds			

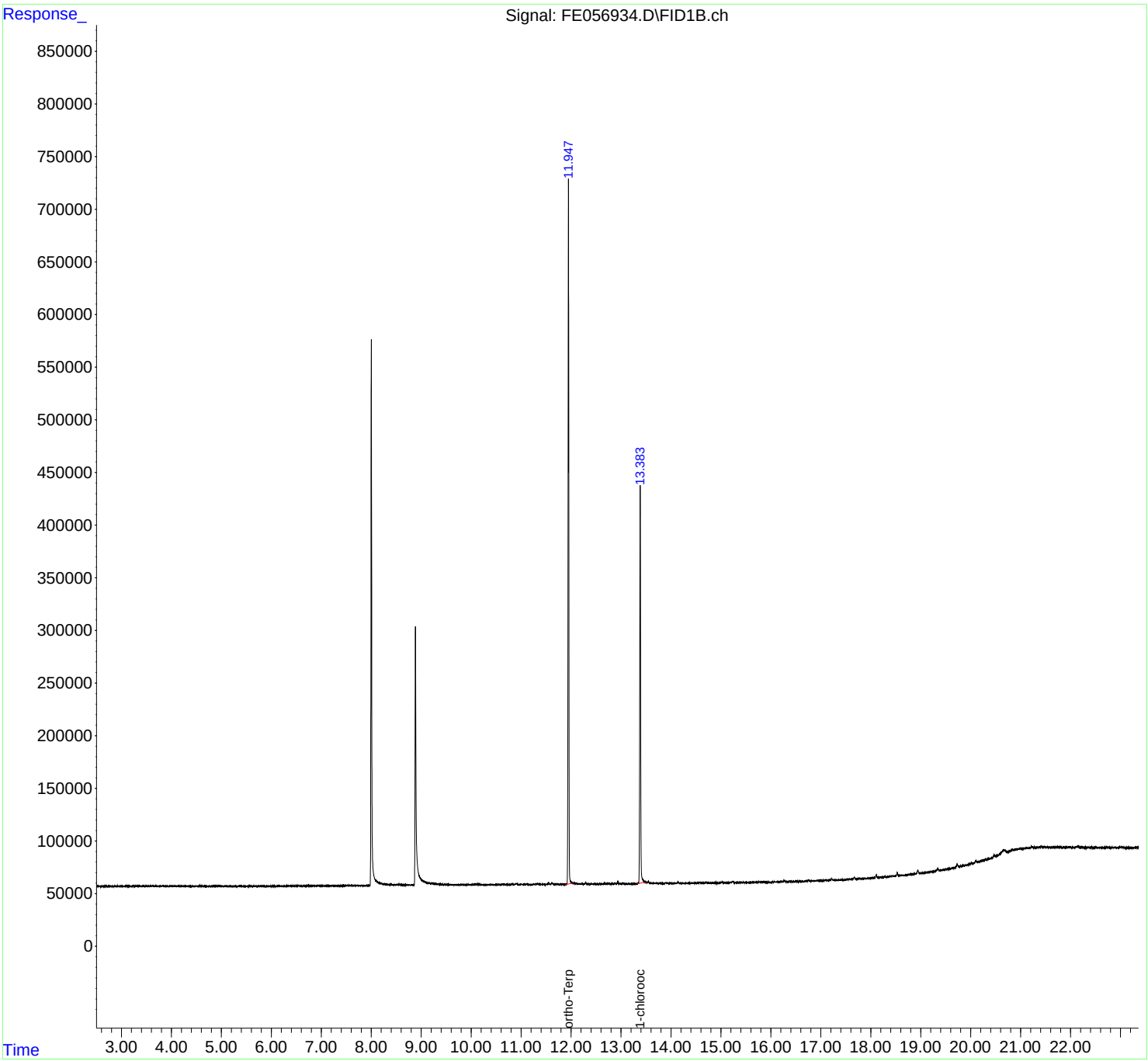
(f)=RT Delta > 1/2 Window (m)=manual int.

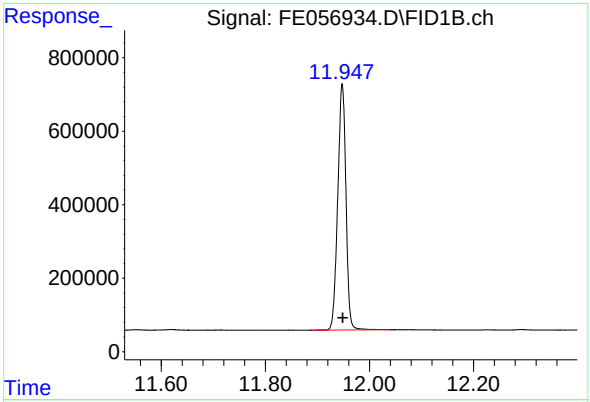
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111925AL\
Data File : FE056934.D
Signal(s) : FID1B.ch
Acq On : 19 Nov 2025 14:09
Operator : YP\AJ
Sample : PB170632BL
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB170632BL

Integration File: autoint1.E
Quant Time: Nov 20 01:23:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Quant Title : GC Extractables
QLast Update : Tue Nov 18 13:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

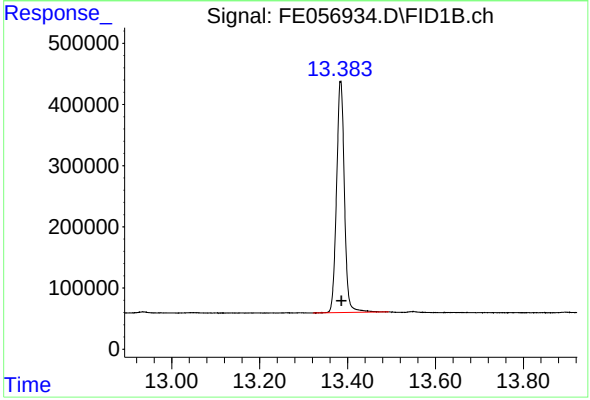




#9 ortho-Terphenyl (SURR)

R.T.: 11.948 min
Delta R.T.: 0.000 min
Response: 7320148
Conc: 35.04 ug/ml

Instrument :
FID_E
ClientSampleId :
PB170632BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.384 min
Delta R.T.: -0.002 min
Response: 4691521
Conc: 29.12 ug/ml

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Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111925AL\
Data File : FE056934.D
Signal(s) : FID1B.ch
Acq On : 19 Nov 2025 14:09
Sample : PB170632BL
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	11.948	11.892	12.037	BB	667910	7320148	100.00%	60.942%
2	13.384	13.322	13.494	BB	378582	4691521	64.09%	39.058%
			Sum of corrected areas:			12011668		

Aliphatic EPH 103025.M Thu Nov 20 04:33:43 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111925AL\
Data File : FE056935.D
Signal(s) : FID1B.ch
Acq On : 19 Nov 2025 14:39
Operator : YP\AJ
Sample : PB170632BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB170632BS

Integration File: autoint1.E
Quant Time: Nov 20 01:23:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Quant Title : GC Extractables
QLast Update : Tue Nov 18 13:37:28 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)	11.946	7171296	34.327 ug/ml
Spiked Amount	50.000		Recovery =	68.65%
12) S	1-chlorooctadecane (S...	13.383	4841612	30.050 ug/ml
Spiked Amount	50.000		Recovery =	60.10%
	Target Compounds			
1) T	n-Nonane (C9)	3.316	5912631	35.202 ug/ml
2) T	n-Decane (C10)	4.565	6402442	37.312 ug/ml
3) T	A~Naphthalene (C11.7)	6.276	7844593	42.499 ug/ml
4) T	n-Dodecane (C12)	6.732	6889880	39.613 ug/ml
5) T	A~2-methylnaphthalene...	7.374	6995000	39.470 ug/ml
6) T	n-Tetradecane (C14)	8.566	6971201	39.938 ug/ml
7) T	n-Hexadecane (C16)	10.176	6818213	37.267 ug/ml
8) T	n-Octadecane (C18)	11.624	6775165	35.796 ug/ml
10) T	n-Eicosane (C20)	12.937	6728801	36.106 ug/ml
11) T	n-Heneicosane (C21)	13.550	6594791	35.864 ug/ml
13) T	n-Docosane (C22)	14.137	6521337	34.836 ug/ml
14) T	n-Tetracosane (C24)	15.244	14112489	72.052 ug/ml
15) T	n-Hexacosane (C26)	16.267	6289288	32.363 ug/ml
16) T	n-Octacosane (C28)	17.217	6579759	33.976 ug/ml
17) T	n-Tricontane (C30)	18.109	5978107	29.817 ug/ml
18) T	n-Dotriacontane (C32)	18.941	5997515	30.498 ug/ml
19) T	n-Tetratriacontane (C34)	19.727	5825672	33.751 ug/ml
20) T	n-Hexatriacontane (C36)	20.467	5756724	39.796 ug/ml
21) T	n-Octatriacontane (C38)	21.215	5845093	46.441 ug/ml
22) T	n-Tetracontane (C40)	22.148	6010584	51.988 ug/ml

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

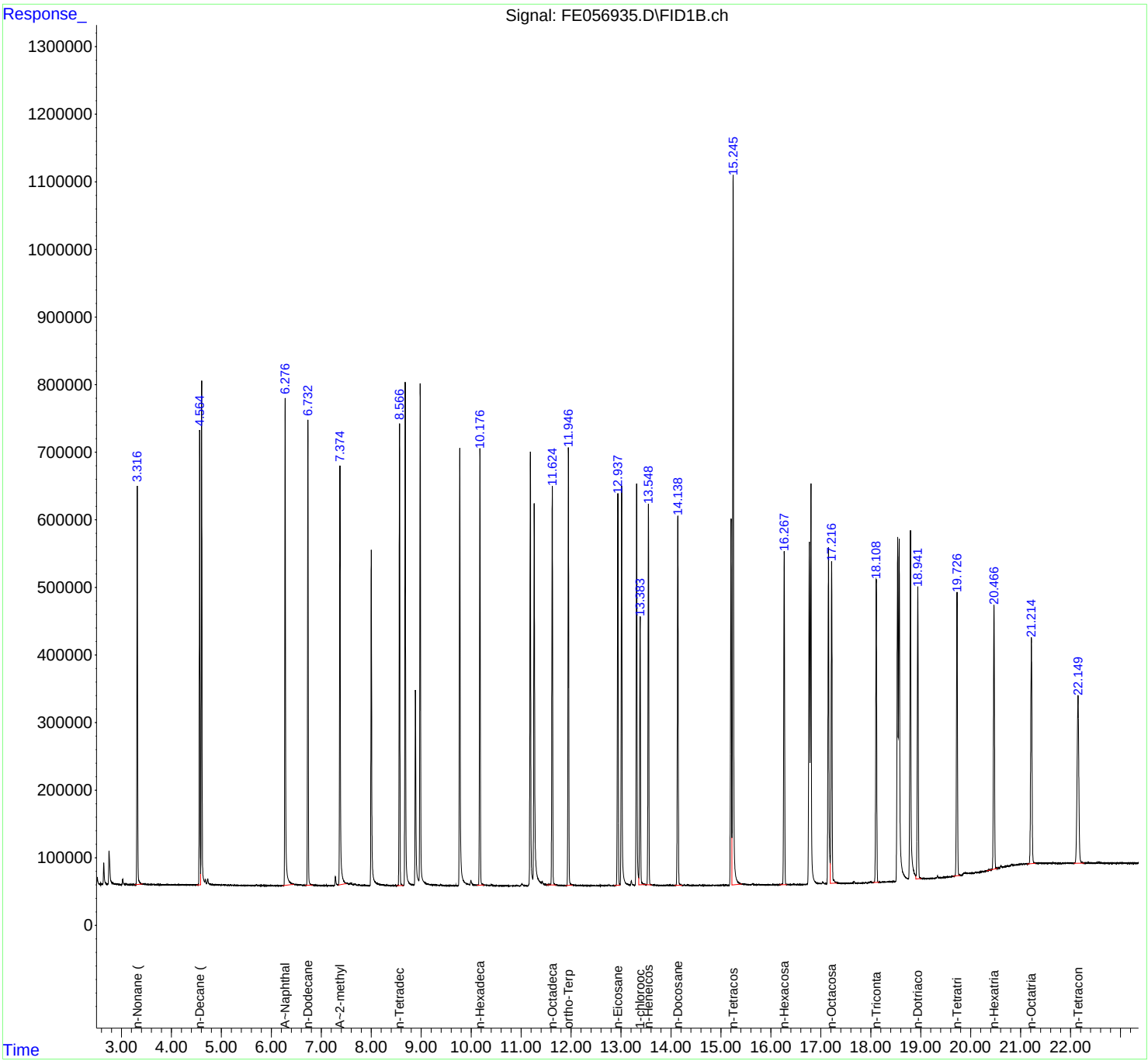
Sample Results: **FE056935.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111925AL\
Data File : FE056935.D
Signal(s) : FID1B.ch
Acq On : 19 Nov 2025 14:39
Operator : YP\AJ
Sample : PB170632BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB170632BS

Integration File: autoint1.E
Quant Time: Nov 20 01:23:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Quant Title : GC Extractables
QLast Update : Tue Nov 18 13:37:28 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_E\Data\FE111925AL\
Data File : FE056935.D
Signal(s) : FID1B.ch
Acq On : 19 Nov 2025 14:39
Sample : PB170632BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.316	3.264	3.417	BB	589120	5912631	41.90%	2.269%
2	4.565	4.502	4.584	BV	671262	6402442	45.37%	2.457%
3	4.605	4.584	4.663	VV	747315	7694694	54.52%	2.953%
4	6.276	6.220	6.450	BB	720362	7844593	55.59%	3.010%
5	6.732	6.679	6.825	BB	687203	6889880	48.82%	2.644%
6	7.374	7.335	7.505	BV	618851	6995000	49.57%	2.684%
7	8.566	8.510	8.647	BB	685531	6971201	49.40%	2.675%
8	8.680	8.649	8.817	BB	746072	7967077	56.45%	3.057%
9	8.980	8.952	9.135	VB	739305	8075056	57.22%	3.098%
10	9.772	9.720	9.959	BB	648761	7786529	55.17%	2.988%
11	10.176	10.112	10.260	BB	647864	6818213	48.31%	2.616%
12	11.185	11.115	11.233	BV	639898	7265987	51.49%	2.788%
13	11.262	11.233	11.407	VV	564033	7475387	52.97%	2.868%
14	11.624	11.509	11.704	BB	585624	6775165	48.01%	2.600%
15	11.946	11.890	12.029	BB	647531	7171296	50.82%	2.752%
16	12.937	12.865	12.982	BV	580320	6728801	47.68%	2.582%
17	13.013	12.982	13.147	VB	591540	7288381	51.64%	2.797%
18	13.313	13.255	13.355	BV	595444	7187607	50.93%	2.758%
19	13.383	13.355	13.477	VB	397934	4841612	34.31%	1.858%
20	13.550	13.480	13.617	BB	557633	6594791	46.73%	2.530%
21	14.138	14.067	14.224	BB	544044	6521337	46.21%	2.502%
22	15.202	15.142	15.220	BV	539195	6652545	47.14%	2.553%
23	15.244	15.220	15.420	VB	1047184	14112489	100.00%	5.415%
24	16.267	16.175	16.324	BB	490863	6289288	44.57%	2.413%
25	16.770	16.702	16.785	BV	505431	6853001	48.56%	2.630%
26	16.803	16.785	16.937	VB	595683	7620569	54.00%	2.924%
27	17.154	17.100	17.188	BV	495533	6772364	47.99%	2.599%
28	17.217	17.188	17.327	VB	475321	6579759	46.62%	2.525%
29	18.109	18.039	18.169	BB	449149	5978107	42.36%	2.294%
30	18.538	18.464	18.551	BV	510545	6977897	49.44%	2.677%
31	18.568	18.551	18.752	VV	503250	8358567	59.23%	3.207%

rteres

32	18.794	18.752	18.900	VV	516927	7776175	55.10%	2.984%
33	18.941	18.900	19.014	VB	432543	5997515	42.50%	2.301%
34	19.727	19.650	19.789	BB	420008	5825672	41.28%	2.235%
35	20.467	20.320	20.535	BB	390310	5756724	40.79%	2.209%
36	21.215	21.132	21.300	BB	331749	5845093	41.42%	2.243%
37	22.148	22.062	22.275	BB	248614	6010584	42.59%	2.306%

Sum of corrected areas: 260614031

Aliphatic EPH 103025.M Thu Nov 20 04:34:22 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111925AL\
Data File : FE056936.D
Signal(s) : FID1B.ch
Acq On : 19 Nov 2025 15:09
Operator : YP\AJ
Sample : PB170632BSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB170632BSD

Integration File: autoint1.E
Quant Time: Nov 20 01:23:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Quant Title : GC Extractables
QLast Update : Tue Nov 18 13:37:28 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)	11.946	7039398	33.695 ug/ml
Spiked Amount	50.000		Recovery =	67.39%
12) S	1-chlorooctadecane (S...	13.382	4767113	29.588 ug/ml
Spiked Amount	50.000		Recovery =	59.18%
	Target Compounds			
1) T	n-Nonane (C9)	3.316	5873164	34.967 ug/ml
2) T	n-Decane (C10)	4.564	6355244	37.036 ug/ml
3) T	A~Naphthalene (C11.7)	6.276	7774930	42.121 ug/ml
4) T	n-Dodecane (C12)	6.732	6843916	39.349 ug/ml
5) T	A~2-methylnaphthalene...	7.374	6969760	39.328 ug/ml
6) T	n-Tetradecane (C14)	8.566	6935375	39.733 ug/ml
7) T	n-Hexadecane (C16)	10.176	6793839	37.134 ug/ml
8) T	n-Octadecane (C18)	11.623	6774809	35.794 ug/ml
10) T	n-Eicosane (C20)	12.936	6729238	36.108 ug/ml
11) T	n-Heneicosane (C21)	13.548	6588790	35.832 ug/ml
13) T	n-Docosane (C22)	14.136	6508426	34.767 ug/ml
14) T	n-Tetracosane (C24)	15.242	14069327	71.832 ug/ml
15) T	n-Hexacosane (C26)	16.266	6264201	32.234 ug/ml
16) T	n-Octacosane (C28)	17.216	6551982	33.832 ug/ml
17) T	n-Tricontane (C30)	18.108	5944027	29.647 ug/ml
18) T	n-Dotriacontane (C32)	18.940	5965648	30.336 ug/ml
19) T	n-Tetratriacontane (C34)	19.726	5788399	33.535 ug/ml
20) T	n-Hexatriacontane (C36)	20.467	5717921	39.528 ug/ml
21) T	n-Octatriacontane (C38)	21.214	5824643	46.278 ug/ml
22) T	n-Tetracontane (C40)	22.145	6000394	51.900 ug/ml

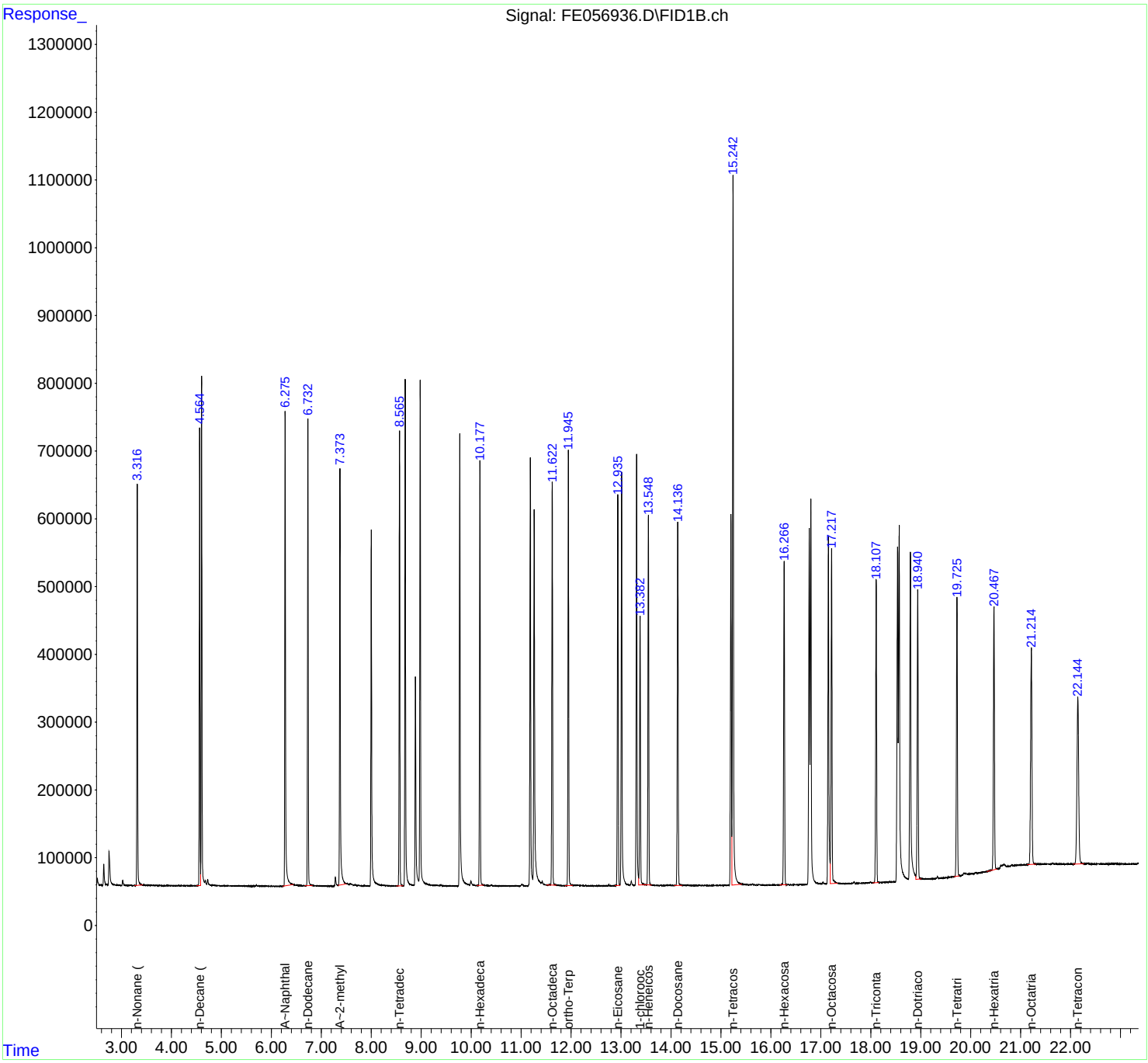
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111925AL\
Data File : FE056936.D
Signal(s) : FID1B.ch
Acq On : 19 Nov 2025 15:09
Operator : YP\AJ
Sample : PB170632BSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB170632BSD

Integration File: autoint1.E
Quant Time: Nov 20 01:23:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Quant Title : GC Extractables
QLast Update : Tue Nov 18 13:37:28 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_E\Data\FE111925AL\
Data File : FE056936.D
Signal(s) : FID1B.ch
Acq On : 19 Nov 2025 15:09
Sample : PB170632BSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.316	3.259	3.422	BB	593065	5873164	41.74%	2.263%
2	4.564	4.502	4.584	BV	676750	6355244	45.17%	2.449%
3	4.604	4.584	4.663	VV	752484	7640635	54.31%	2.944%
4	6.276	6.222	6.440	BB	701374	7774930	55.26%	2.996%
5	6.732	6.667	6.825	BB	688021	6843916	48.64%	2.637%
6	7.374	7.334	7.504	BV	615190	6969760	49.54%	2.685%
7	8.566	8.502	8.642	BB	671502	6935375	49.29%	2.672%
8	8.680	8.649	8.827	BB	748426	7968037	56.63%	3.070%
9	8.980	8.950	9.140	VB	748228	8081556	57.44%	3.114%
10	9.772	9.710	9.960	BB	666542	7786799	55.35%	3.000%
11	10.176	10.112	10.252	BB	630837	6793839	48.29%	2.618%
12	11.184	11.119	11.233	BV	627627	7253210	51.55%	2.795%
13	11.261	11.233	11.404	VV	554726	7452608	52.97%	2.871%
14	11.623	11.509	11.709	BB	591923	6774809	48.15%	2.610%
15	11.946	11.882	12.037	BB	643074	7039398	50.03%	2.712%
16	12.936	12.875	12.980	BV	576537	6729238	47.83%	2.593%
17	13.013	12.980	13.154	VB	608712	7265808	51.64%	2.799%
18	13.313	13.255	13.353	BV	626304	7140853	50.75%	2.751%
19	13.382	13.353	13.479	VB	397302	4767113	33.88%	1.837%
20	13.548	13.479	13.615	BB	545311	6588790	46.83%	2.539%
21	14.136	14.065	14.222	BB	534288	6508426	46.26%	2.508%
22	15.200	15.139	15.218	BV	548036	6610310	46.98%	2.547%
23	15.242	15.218	15.424	VB	1045368	14069327	100.00%	5.421%
24	16.266	16.175	16.327	BB	472613	6264201	44.52%	2.414%
25	16.768	16.704	16.783	BV	525805	6816627	48.45%	2.626%
26	16.801	16.783	16.937	VB	569801	7587954	53.93%	2.924%
27	17.152	17.100	17.187	BV	510720	6746657	47.95%	2.599%
28	17.216	17.187	17.335	VB	496225	6551982	46.57%	2.524%
29	18.108	18.035	18.164	BB	448029	5944027	42.25%	2.290%
30	18.536	18.462	18.550	BV	494273	6925607	49.22%	2.668%
31	18.568	18.550	18.749	VV	518323	8411598	59.79%	3.241%

rteres

32	18.793	18.749	18.900	VV	480803	7774355	55.26%	2.995%
33	18.940	18.900	19.012	VB	428979	5965648	42.40%	2.299%
34	19.726	19.660	19.775	BB	410818	5788399	41.14%	2.230%
35	20.467	20.320	20.529	BB	387766	5717921	40.64%	2.203%
36	21.214	21.132	21.307	BB	319374	5824643	41.40%	2.244%
37	22.145	22.050	22.274	BB	244953	6000394	42.65%	2.312%

Sum of corrected areas: 259543157

Aliphatic EPH 103025.M Thu Nov 20 04:34:59 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111925AL\
Data File : FE056946.D
Signal(s) : FID1B.ch
Acq On : 19 Nov 2025 20:11
Operator : YP\AJ
Sample : Q3669-01MS
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EO-01-11182025MS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025

Integration File: autoint1.E
Quant Time: Nov 20 01:27:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Quant Title : GC Extractables
QLast Update : Tue Nov 18 13:37:28 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)	11.949	7470637	35.760 ug/mlm
Spiked Amount	50.000		Recovery =	71.52%
12) S	1-chlorooctadecane (S...	13.386	8980958	55.742 ug/ml
Spiked Amount	50.000		Recovery =	111.48%
	Target Compounds			
1) T	n-Nonane (C9)	3.305	3015718	17.955 ug/ml
2) T	n-Decane (C10)	4.560	3875539	22.585 ug/ml
3) T	A~Naphthalene (C11.7)	6.276	5263069	28.513 ug/ml
4) T	n-Dodecane (C12)	6.734	6018984	34.606 ug/ml
5) T	A~2-methylnaphthalene...	7.376	5763416	32.521 ug/ml
6) T	n-Tetradecane (C14)	8.569	8351439	47.845 ug/ml
7) T	n-Hexadecane (C16)	10.180	8163448	44.620 ug/ml
8) T	n-Octadecane (C18)	11.626	7185489	37.964 ug/mlm
10) T	n-Eicosane (C20)	12.940	6853481	36.775 ug/ml
11) T	n-Heneicosane (C21)	13.553	6350751	34.537 ug/ml
13) T	n-Docosane (C22)	14.141	6157949	32.895 ug/ml
14) T	n-Tetracosane (C24)	15.247	11096143	56.652 ug/ml
15) T	n-Hexacosane (C26)	16.272	5488896	28.244 ug/ml
16) T	n-Octacosane (C28)	17.222	4955274	25.587 ug/ml
17) T	n-Tricontane (C30)	18.114	5176024	25.816 ug/ml
18) T	n-Dotriacontane (C32)	18.948	6585861	33.490 ug/mlm
19) T	n-Tetratriacontane (C34)	19.737	5363717	31.074 ug/ml
20) T	n-Hexatriacontane (C36)	20.479	4841007	33.466 ug/ml
21) T	n-Octatriacontane (C38)	21.230	4754141	37.773 ug/ml
22) T	n-Tetracontane (C40)	22.169	4965357	42.948 ug/ml

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

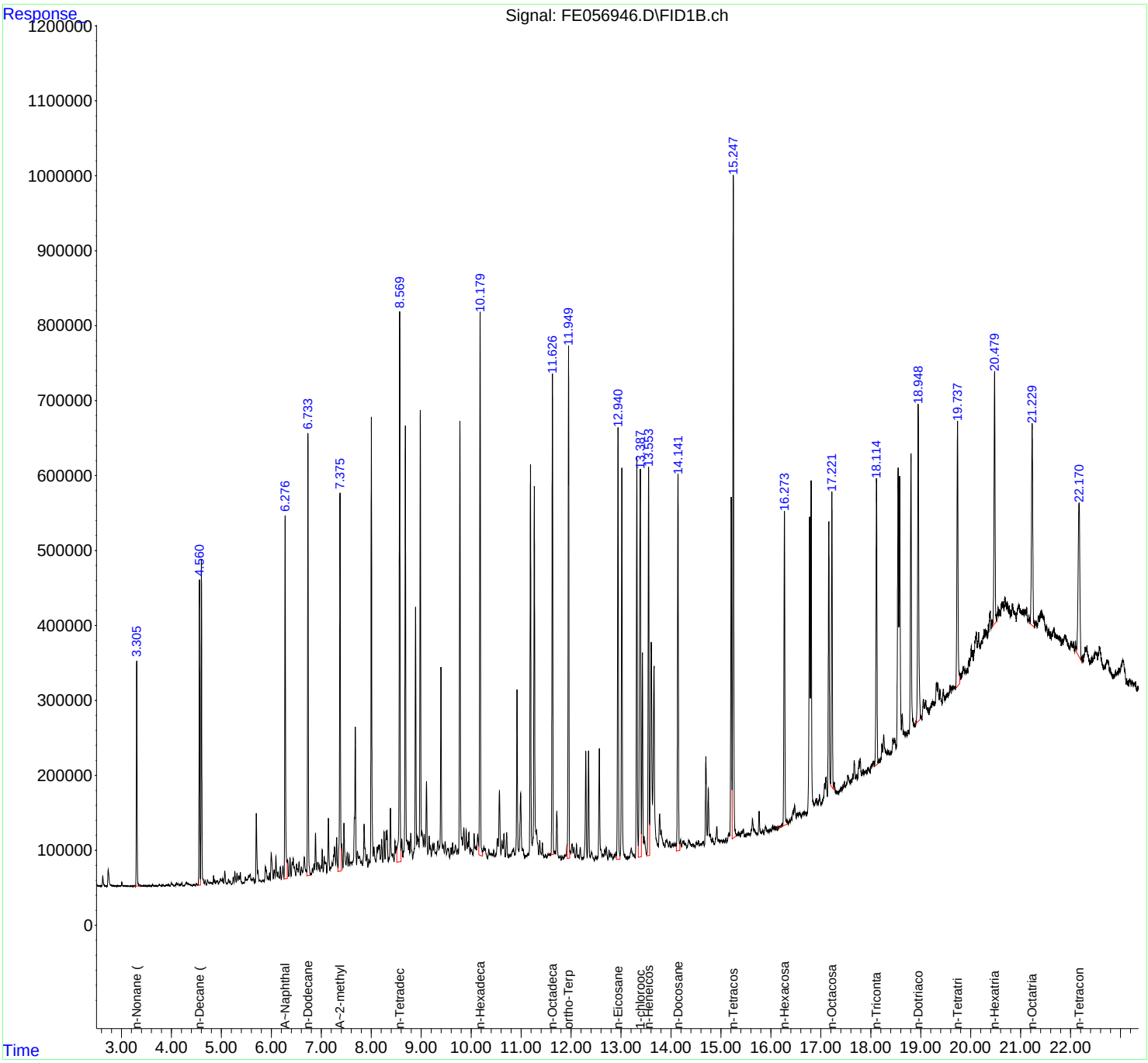
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111925AL\
Data File : FE056946.D
Signal(s) : FID1B.ch
Acq On : 19 Nov 2025 20:11
Operator : YP\AJ
Sample : Q3669-01MS
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EO-01-11182025MS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025

Integration File: autoint1.E
Quant Time: Nov 20 01:27:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Quant Title : GC Extractables
QLast Update : Tue Nov 18 13:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Instrument :
FID_E
ClientSampleId :
EO-01-11182025MS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Rahul Chavli 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE
Data File : FE056946.D
Signal(s) : FID1B.ch
Acq On : 19 Nov 2025 20:11
Sample : Q3669-01MS
Misc :
ALS Vial : 29 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.576	2.525	2.598	BV	194	1950	0.02%	0.000%
2	2.626	2.598	2.711	PV	13329	168349	1.48%	0.031%
3	2.734	2.711	2.833	VV	21657	392250	3.44%	0.071%
4	2.851	2.833	2.907	VV	706	17727	0.16%	0.003%
5	2.946	2.907	2.959	VV	515	9597	0.08%	0.002%
6	2.975	2.959	2.987	VV	390	5017	0.04%	0.001%
7	3.009	2.987	3.055	VV	4533	58250	0.51%	0.011%
8	3.088	3.055	3.109	VV	921	16665	0.15%	0.003%
9	3.117	3.109	3.145	VV	424	3957	0.03%	0.001%
10	3.175	3.145	3.215	PV	212	3145	0.03%	0.001%
11	3.232	3.215	3.249	PV	142	1708	0.01%	0.000%
12	3.305	3.249	3.404	VV	300288	3044210	26.71%	0.554%
13	3.416	3.404	3.433	VV	487	7784	0.07%	0.001%
14	3.450	3.433	3.468	VV	918	12641	0.11%	0.002%
15	3.481	3.468	3.501	VV	631	8010	0.07%	0.001%
16	3.518	3.501	3.534	VV	459	7164	0.06%	0.001%
17	3.548	3.534	3.573	VV	619	9001	0.08%	0.002%
18	3.588	3.573	3.602	VV	476	4703	0.04%	0.001%
19	3.621	3.602	3.661	VV	1538	25283	0.22%	0.005%
20	3.698	3.661	3.717	PV	610	13059	0.11%	0.002%
21	3.753	3.717	3.801	VV	2185	43032	0.38%	0.008%
22	3.835	3.801	3.871	VV	1413	32994	0.29%	0.006%
23	3.896	3.871	3.913	VV	1477	22895	0.20%	0.004%
24	3.940	3.913	3.970	VV	2239	33517	0.29%	0.006%
25	3.998	3.970	4.058	VV	3774	74967	0.66%	0.014%
26	4.101	4.058	4.116	PV	4360	59596	0.52%	0.011%
27	4.132	4.116	4.151	VV	3779	47336	0.42%	0.009%
28	4.169	4.151	4.191	VV	1759	31409	0.28%	0.006%
29	4.208	4.191	4.231	VV	4370	51864	0.46%	0.009%
30	4.244	4.231	4.257	VV	434	5443	0.05%	0.001%
31	4.299	4.257	4.316	VV	5012	92673	0.81%	0.017%

Instrument :
FID_E
ClientSampleId :
EO-01-11182025MS

Manual IntegrationsAPPROVED

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rteres

32	4.331	4.316	4.361	VV	3985	65876	0.58%	0.012%
33	4.371	4.361	4.416	VV	1985	3302		
34	4.452	4.416	4.478	PV	2300	3511		
35	4.501	4.478	4.526	VV	2969	4331		
36	4.560	4.526	4.580	VV	408230	388871		
37	4.600	4.580	4.658	VV	434808	4462421	39.15%	0.812%
38	4.674	4.658	4.700	VV	5500	79409	0.70%	0.014%
39	4.723	4.700	4.756	VV	7376	131683	1.16%	0.024%
40	4.772	4.756	4.797	VV	4040	70508	0.62%	0.013%
41	4.811	4.797	4.825	VV	3176	40470	0.36%	0.007%
42	4.843	4.825	4.858	VV	12226	124599	1.09%	0.023%
43	4.868	4.858	4.884	VV	6833	67604	0.59%	0.012%
44	4.903	4.884	4.913	VV	5458	67881	0.60%	0.012%
45	4.923	4.913	4.941	VV	6016	64409	0.57%	0.012%
46	4.981	4.941	5.010	VV	8192	202981	1.78%	0.037%
47	5.023	5.010	5.045	VV	8069	107666	0.94%	0.020%
48	5.069	5.045	5.112	VV	17804	260010	2.28%	0.047%
49	5.144	5.112	5.161	VV	6762	96555	0.85%	0.018%
50	5.174	5.161	5.201	VV	4445	54524	0.48%	0.010%
51	5.237	5.201	5.252	PV	9741	110894	0.97%	0.020%
52	5.269	5.252	5.296	VV	16745	217996	1.91%	0.040%
53	5.313	5.296	5.332	VV	14238	188288	1.65%	0.034%
54	5.351	5.332	5.365	VV	10432	150398	1.32%	0.027%
55	5.379	5.365	5.419	VV	15028	192494	1.69%	0.035%
56	5.434	5.419	5.457	PV	1334	19521	0.17%	0.004%
57	5.479	5.457	5.492	PV	8560	99098	0.87%	0.018%
58	5.502	5.492	5.513	VV	5764	61016	0.54%	0.011%
59	5.544	5.513	5.555	VV	10261	172673	1.51%	0.031%
60	5.576	5.555	5.614	VV	12432	263317	2.31%	0.048%
61	5.640	5.614	5.656	VV	7183	112887	0.99%	0.021%
62	5.667	5.656	5.677	VV	3018	25539	0.22%	0.005%
63	5.699	5.677	5.755	VV	91907	1312456	11.51%	0.239%
64	5.771	5.755	5.806	VV	3645	67187	0.59%	0.012%
65	5.827	5.806	5.840	VV	3509	40143	0.35%	0.007%
66	5.851	5.840	5.860	VV	3068	28345	0.25%	0.005%
67	5.882	5.860	5.918	VV	20560	420436	3.69%	0.077%
68	5.927	5.918	5.946	VV	7521	88722	0.78%	0.016%
69	5.964	5.946	5.977	VV	11728	126127	1.11%	0.023%
70	5.999	5.977	6.039	VV	37911	729247	6.40%	0.133%
71	6.056	6.039	6.075	VV	15458	239442	2.10%	0.044%
72	6.092	6.075	6.119	VV	33415	446439	3.92%	0.081%
73	6.132	6.119	6.161	VV	12222	201675	1.77%	0.037%
74	6.180	6.161	6.199	VV	19095	222941	1.96%	0.041%
75	6.231	6.199	6.251	VV	20056	352456	3.09%	0.064%
76	6.276	6.251	6.318	VV	485694	5368178	47.10%	0.977%
77	6.327	6.318	6.351	VV	27909	361001	3.17%	0.066%
78	6.375	6.351	6.397	VV	29885	406083	3.56%	0.074%
79	6.418	6.397	6.427	VV	24317	316023	2.77%	0.058%

Instrument :
FID_E
ClientSampleId :
EO-01-11182025MS

Manual IntegrationsAPPROVED

Reviewed By :Rahul Chavli 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025

rteres

80	6.439	6.427	6.488	VV	29464	639900	5.61%	0.116%
81	6.505	6.488	6.537	VV	21185	42106		
82	6.555	6.537	6.583	VV	23915	43905		
83	6.604	6.583	6.628	VV	16894	32104		
84	6.661	6.628	6.707	VV	30064	79220		
85	6.734	6.707	6.780	VV	594340	6248598	54.82%	1.137%
86	6.791	6.780	6.802	VV	8005	91949	0.81%	0.017%
87	6.823	6.802	6.837	VV	14377	216332	1.90%	0.039%
88	6.855	6.837	6.867	VV	20475	287730	2.52%	0.052%
89	6.885	6.867	6.911	VV	61072	829225	7.28%	0.151%
90	6.935	6.911	6.949	VV	21852	415309	3.64%	0.076%
91	6.958	6.949	6.974	VV	18084	210855	1.85%	0.038%
92	7.019	6.974	7.040	VV	38184	733865	6.44%	0.134%
93	7.060	7.040	7.111	VV	28305	795963	6.98%	0.145%
94	7.143	7.111	7.172	VV	79868	1197548	10.51%	0.218%
95	7.185	7.172	7.195	VV	14897	180690	1.59%	0.033%
96	7.217	7.195	7.229	VV	19970	341728	3.00%	0.062%
97	7.265	7.229	7.289	VV	40813	996189	8.74%	0.181%
98	7.308	7.289	7.334	VV	53413	801985	7.04%	0.146%
99	7.376	7.334	7.403	VV	513757	6114588	53.65%	1.113%
100	7.410	7.403	7.434	VV	44709	576450	5.06%	0.105%
101	7.454	7.434	7.494	VV	71358	1258244	11.04%	0.229%
102	7.520	7.494	7.538	VV	32118	611850	5.37%	0.111%
103	7.555	7.538	7.572	VV	30409	435491	3.82%	0.079%
104	7.587	7.572	7.614	VV	19511	454250	3.99%	0.083%
105	7.682	7.614	7.707	VV	198913	3466287	30.41%	0.631%
106	7.724	7.707	7.747	VV	32401	635918	5.58%	0.116%
107	7.767	7.747	7.793	VV	26647	637307	5.59%	0.116%
108	7.805	7.793	7.828	VV	19489	361718	3.17%	0.066%
109	7.858	7.828	7.896	VV	68659	1458025	12.79%	0.265%
110	7.913	7.896	7.932	VV	28375	458946	4.03%	0.084%
111	7.954	7.932	7.968	VV	21076	371180	3.26%	0.068%
112	8.055	8.040	8.094	VV	37081	859886	7.54%	0.157%
113	8.118	8.094	8.130	VV	37237	625799	5.49%	0.114%
114	8.143	8.130	8.153	VV	38312	491714	4.31%	0.090%
115	8.165	8.153	8.184	VV	40198	584466	5.13%	0.106%
116	8.210	8.184	8.231	VV	46911	847656	7.44%	0.154%
117	8.257	8.231	8.277	VV	56757	929762	8.16%	0.169%
118	8.298	8.277	8.306	VV	57282	729235	6.40%	0.133%
119	8.317	8.306	8.341	VV	59576	836520	7.34%	0.152%
120	8.384	8.341	8.422	VV	87896	1780241	15.62%	0.324%
121	8.434	8.422	8.455	VV	26739	459421	4.03%	0.084%
122	8.475	8.455	8.488	VV	43879	610498	5.36%	0.111%
123	8.501	8.488	8.512	VV	35689	463770	4.07%	0.084%
124	8.569	8.512	8.596	VV	741263	9138383	80.17%	1.663%
125	8.612	8.596	8.632	VV	46060	764715	6.71%	0.139%
126	8.683	8.632	8.745	VV	593465	7981015	70.02%	1.453%

Instrument :
FID_E
ClientSampleId :
EO-01-11182025MS

Manual IntegrationsAPPROVED

Reviewed By :Rahul Chavli 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025

rteres

127	8.757	8.745	8.771	VV	41743	557386	4.89%	0.101%
128	8.791	8.771	8.830	VV	52573	121345		
129	8.925	8.914	8.955	VV	47903	103752		
130	8.982	8.955	9.043	VV	611598	805716		
131	9.059	9.043	9.077	VV	50376	84720		
132	9.106	9.077	9.133	VV	120078	2031539	17.82%	0.370%
133	9.159	9.133	9.176	VV	47322	905861	7.95%	0.165%
134	9.184	9.176	9.204	VV	32309	460040	4.04%	0.084%
135	9.227	9.204	9.242	VV	36083	698221	6.13%	0.127%
136	9.256	9.242	9.304	VV	37046	1046904	9.18%	0.191%
137	9.333	9.304	9.355	VV	39374	969965	8.51%	0.177%
138	9.396	9.355	9.428	VV	269664	3837236	33.67%	0.698%
139	9.440	9.428	9.462	VV	33801	594852	5.22%	0.108%
140	9.479	9.462	9.507	VV	38635	818728	7.18%	0.149%
141	9.530	9.507	9.570	VV	28916	931523	8.17%	0.170%
142	9.597	9.570	9.612	VV	29900	605546	5.31%	0.110%
143	9.629	9.612	9.663	VV	36099	820116	7.20%	0.149%
144	9.685	9.663	9.715	VV	32960	848375	7.44%	0.154%
145	9.731	9.715	9.745	VV	27210	432992	3.80%	0.079%
146	9.775	9.745	9.829	VV	595531	7832688	68.72%	1.426%
147	9.854	9.829	9.879	VV	55411	1233043	10.82%	0.224%
148	9.902	9.879	9.920	VV	52155	911140	7.99%	0.166%
149	9.932	9.920	9.940	VV	34856	382963	3.36%	0.070%
150	9.955	9.940	9.978	VV	48824	779509	6.84%	0.142%
151	9.992	9.978	10.038	VV	27120	837625	7.35%	0.152%
152	10.060	10.038	10.081	VV	46299	849155	7.45%	0.155%
153	10.091	10.081	10.106	VV	28856	408046	3.58%	0.074%
154	10.132	10.106	10.151	VV	45370	944440	8.29%	0.172%
155	10.180	10.151	10.227	VV	745426	8947336	78.50%	1.629%
156	10.257	10.227	10.271	VV	27220	655552	5.75%	0.119%
157	10.281	10.271	10.329	VV	25991	667858	5.86%	0.122%
158	10.355	10.329	10.376	VV	23929	532539	4.67%	0.097%
159	10.390	10.376	10.401	VV	18498	270258	2.37%	0.049%
160	10.409	10.401	10.434	VV	18211	343752	3.02%	0.063%
161	10.453	10.434	10.475	VV	21486	429571	3.77%	0.078%
162	10.525	10.475	10.541	VV	37873	933555	8.19%	0.170%
163	10.567	10.541	10.597	VV	102388	1829812	16.05%	0.333%
164	10.618	10.597	10.638	VV	34471	663020	5.82%	0.121%
165	10.656	10.638	10.684	VV	43892	787995	6.91%	0.143%
166	10.711	10.684	10.744	VV	45700	893320	7.84%	0.163%
167	10.767	10.744	10.779	VV	15213	291403	2.56%	0.053%
168	10.789	10.779	10.798	VV	14317	154382	1.35%	0.028%
169	10.851	10.798	10.877	VV	22756	873152	7.66%	0.159%
170	10.919	10.877	10.955	VV	233355	3191034	28.00%	0.581%
171	10.991	10.955	11.025	VV	97112	2006702	17.61%	0.365%
172	11.039	11.025	11.072	VV	21118	488084	4.28%	0.089%
173	11.136	11.072	11.149	VV	15519	596350	5.23%	0.109%
174	11.188	11.149	11.222	VV	532581	6458793	56.67%	1.176%

Instrument :
FID_E
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EO-01-11182025MS

Manual IntegrationsAPPROVED

Reviewed By :Rahul Chavli 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025

rteres

175	11.264	11.222	11.298	VV	505204	6662011	58.45%	1.213%
176	11.308	11.298	11.353	VV	44981	101807		
177	11.373	11.353	11.407	VV	31532	64404		
178	11.427	11.407	11.465	VV	28439	55194		
179	11.488	11.465	11.514	VV	12133	30096		
180	11.538	11.514	11.552	VV	12682	250954	2.20%	0.046%
181	11.579	11.552	11.591	VV	12869	295787	2.60%	0.054%
182	11.627	11.591	11.661	VV	648519	7715726	67.69%	1.404%
183	11.672	11.661	11.689	VV	15334	241598	2.12%	0.044%
184	11.715	11.689	11.765	VV	69074	1204611	10.57%	0.219%
185	11.782	11.765	11.804	VV	9673	178855	1.57%	0.033%
186	11.821	11.804	11.841	VV	9028	154485	1.36%	0.028%
187	11.950	11.841	11.994	VV	693553	8392568	73.63%	1.528%
188	12.020	11.994	12.041	VV	24159	511866	4.49%	0.093%
189	12.057	12.041	12.087	VV	20146	350991	3.08%	0.064%
190	12.109	12.087	12.132	VV	23552	358679	3.15%	0.065%
191	12.145	12.132	12.161	VV	8831	131636	1.15%	0.024%
192	12.184	12.161	12.216	VV	18904	329981	2.90%	0.060%
193	12.237	12.216	12.251	VV	4760	94868	0.83%	0.017%
194	12.295	12.251	12.322	VV	147611	1996201	17.51%	0.363%
195	12.350	12.322	12.387	VV	147695	1901197	16.68%	0.346%
196	12.409	12.387	12.468	VV	11773	309319	2.71%	0.056%
197	12.494	12.468	12.513	VV	5043	93862	0.82%	0.017%
198	12.566	12.513	12.621	VV	148102	2200278	19.30%	0.400%
199	12.634	12.621	12.653	VV	7738	127870	1.12%	0.023%
200	12.676	12.653	12.693	VV	13657	232290	2.04%	0.042%
201	12.708	12.693	12.740	VV	16170	247359	2.17%	0.045%
202	12.761	12.740	12.777	VV	12581	154073	1.35%	0.028%
203	12.791	12.777	12.806	VV	8475	109887	0.96%	0.020%
204	12.815	12.806	12.836	VV	6719	80017	0.70%	0.015%
205	12.864	12.836	12.881	VV	5558	107593	0.94%	0.020%
206	12.897	12.881	12.909	VV	10210	121303	1.06%	0.022%
207	12.940	12.909	12.980	VV	580397	6857942	60.17%	1.248%
208	13.017	12.980	13.071	VV	521473	6377334	55.95%	1.161%
209	13.081	13.071	13.100	VV	5153	55942	0.49%	0.010%
210	13.114	13.100	13.131	PV	1808	19892	0.17%	0.004%
211	13.142	13.131	13.152	VV	1747	16647	0.15%	0.003%
212	13.159	13.152	13.164	VV	1303	8651	0.08%	0.002%
213	13.205	13.164	13.245	VV	12968	315200	2.77%	0.057%
214	13.260	13.245	13.281	VV	4972	63363	0.56%	0.012%
215	13.317	13.281	13.346	PV	535251	6161158	54.05%	1.121%
216	13.386	13.346	13.409	VV	506546	8978755	78.77%	1.634%
217	13.429	13.409	13.452	VV	271294	3269658	28.69%	0.595%
218	13.463	13.452	13.513	VV	26168	523867	4.60%	0.095%
219	13.553	13.513	13.574	VV	517937	6347998	55.69%	1.155%
220	13.606	13.574	13.631	VV	283942	5308098	46.57%	0.966%
221	13.661	13.631	13.748	VV	250847	5094043	44.69%	0.927%

Instrument :
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rteres

222	13.774	13.748	13.795	VV	52746	966157	8.48%	0.176%
223	13.805	13.795	13.848	VV	30800	67697		
224	13.857	13.848	13.878	VV	12140	19158		
225	13.903	13.878	13.957	VV	15936	59550		
226	13.977	13.957	14.000	VV	14061	25594		
227	14.026	14.000	14.047	VV	10160	234164	2.05%	0.043%
228	14.064	14.047	14.076	VV	10191	149442	1.31%	0.027%
229	14.094	14.076	14.107	VV	8842	145987	1.28%	0.027%
230	14.141	14.107	14.175	VV	502999	6149941	53.96%	1.119%
231	14.192	14.175	14.213	VV	13693	221934	1.95%	0.040%
232	14.239	14.213	14.276	VV	11716	337135	2.96%	0.061%
233	14.290	14.276	14.320	VV	8364	148169	1.30%	0.027%
234	14.359	14.320	14.416	VV	11160	381846	3.35%	0.070%
235	14.436	14.416	14.461	VV	5584	110313	0.97%	0.020%
236	14.467	14.461	14.482	VV	3582	27930	0.25%	0.005%
237	14.504	14.482	14.518	VV	7444	98036	0.86%	0.018%
238	14.553	14.518	14.573	VV	8608	178671	1.57%	0.033%
239	14.599	14.573	14.620	VV	3927	90247	0.79%	0.016%
240	14.647	14.620	14.666	VV	7117	126452	1.11%	0.023%
241	14.700	14.666	14.725	VV	119457	1651781	14.49%	0.301%
242	14.748	14.725	14.814	VV	75532	1364610	11.97%	0.248%
243	14.832	14.814	14.871	VV	8245	154223	1.35%	0.028%
244	14.918	14.871	14.942	VV	23821	428315	3.76%	0.078%
245	14.956	14.942	14.975	VV	6068	86386	0.76%	0.016%
246	15.012	14.975	15.038	VV	4394	114161	1.00%	0.021%
247	15.054	15.038	15.071	VV	4610	54953	0.48%	0.010%
248	15.098	15.071	15.116	VV	4999	75067	0.66%	0.014%
249	15.151	15.116	15.161	PV	10392	155711	1.37%	0.028%
250	15.206	15.161	15.224	VV	454672	5724002	50.22%	1.042%
251	15.247	15.224	15.326	VV	884353	11398178	100.00%	2.075%
252	15.349	15.326	15.363	VV	9070	175953	1.54%	0.032%
253	15.377	15.363	15.390	VV	6790	103648	0.91%	0.019%
254	15.410	15.390	15.422	VV	9387	146962	1.29%	0.027%
255	15.450	15.422	15.476	VV	11938	251428	2.21%	0.046%
256	15.526	15.476	15.544	VV	5204	160175	1.41%	0.029%
257	15.560	15.544	15.585	VV	5386	92308	0.81%	0.017%
258	15.632	15.585	15.661	VV	23148	516097	4.53%	0.094%
259	15.672	15.661	15.708	VV	8638	148786	1.31%	0.027%
260	15.713	15.708	15.738	VV	2655	37671	0.33%	0.007%
261	15.764	15.738	15.811	VV	31577	425020	3.73%	0.077%
262	15.840	15.811	15.857	VV	4696	70171	0.62%	0.013%
263	15.893	15.857	15.919	PV	8261	164576	1.44%	0.030%
264	15.942	15.919	15.965	VV	2483	44365	0.39%	0.008%
265	15.986	15.965	16.008	PV	2876	43443	0.38%	0.008%
266	16.031	16.008	16.071	PV	5233	120626	1.06%	0.022%
267	16.080	16.071	16.106	VV	2694	42283	0.37%	0.008%
268	16.117	16.106	16.131	VV	1299	13396	0.12%	0.002%
269	16.142	16.131	16.149	PV	1921	9789	0.09%	0.002%

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rteres

270	16.219	16.149	16.227	VV	2631	65553	0.58%	0.012%
271	16.272	16.227	16.346	VV	417597	545632		
272	16.378	16.346	16.395	VV	4394	5613		
273	16.409	16.395	16.420	VV	5538	6029		
274	16.441	16.420	16.452	VV	14272	19175		
275	16.476	16.452	16.508	VV	19667	420656	3.69%	0.077%
276	16.529	16.508	16.546	VV	8165	135885	1.19%	0.025%
277	16.574	16.546	16.607	VV	6451	170449	1.50%	0.031%
278	16.646	16.607	16.668	VV	4450	105250	0.92%	0.019%
279	16.684	16.668	16.715	VV	4122	66361	0.58%	0.012%
280	16.776	16.715	16.791	PV	398450	5652919	49.59%	1.029%
281	16.807	16.791	16.876	VV	442788	5531417	48.53%	1.007%
282	16.916	16.876	16.931	VV	13768	353205	3.10%	0.064%
283	16.974	16.931	17.005	VV	16899	402014	3.53%	0.073%
284	17.077	17.005	17.087	VV	29252	609335	5.35%	0.111%
285	17.102	17.087	17.130	VV	35551	675709	5.93%	0.123%
286	17.161	17.130	17.195	VV	376875	5279010	46.31%	0.961%
287	17.222	17.195	17.253	VV	411611	5604970	49.17%	1.020%
288	17.267	17.253	17.298	VV	23220	459470	4.03%	0.084%
289	17.304	17.298	17.355	VV	10039	281510	2.47%	0.051%
290	17.403	17.355	17.423	VV	11511	355572	3.12%	0.065%
291	17.470	17.423	17.498	VV	16733	528007	4.63%	0.096%
292	17.544	17.498	17.591	VV	22946	856576	7.52%	0.156%
293	17.610	17.591	17.625	VV	15864	274326	2.41%	0.050%
294	17.642	17.625	17.650	VV	20558	259006	2.27%	0.047%
295	17.670	17.650	17.698	VV	38090	717071	6.29%	0.131%
296	17.712	17.698	17.729	VV	18036	279615	2.45%	0.051%
297	17.789	17.729	17.818	VV	36266	1281064	11.24%	0.233%
298	17.845	17.818	17.865	VV	19267	463670	4.07%	0.084%
299	17.906	17.865	17.924	VV	16075	522579	4.58%	0.095%
300	17.948	17.924	17.985	VV	18756	562954	4.94%	0.102%
301	18.012	17.985	18.028	VV	20141	442369	3.88%	0.081%
302	18.055	18.028	18.069	VV	23467	512683	4.50%	0.093%
303	18.114	18.069	18.147	VV	396402	5951965	52.22%	1.083%
304	18.160	18.147	18.174	VV	21830	329647	2.89%	0.060%
305	18.224	18.174	18.238	VV	38675	1004454	8.81%	0.183%
306	18.259	18.238	18.331	VV	51615	1866161	16.37%	0.340%
307	18.360	18.331	18.411	VV	26771	1140644	10.01%	0.208%
308	18.445	18.411	18.459	VV	39201	900381	7.90%	0.164%
309	18.478	18.459	18.505	VV	39177	929955	8.16%	0.169%
310	18.547	18.505	18.562	VV	400262	6190299	54.31%	1.127%
311	18.578	18.562	18.612	VV	383768	6159412	54.04%	1.121%
312	18.629	18.612	18.691	VV	65442	2191804	19.23%	0.399%
313	18.707	18.691	18.728	VV	38643	798576	7.01%	0.145%
314	18.746	18.728	18.764	VV	40195	824258	7.23%	0.150%
315	18.804	18.764	18.868	VV	406305	7665170	67.25%	1.395%
316	18.949	18.868	19.025	VV	469969	10827104	94.99%	1.971%

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rteres

317	19.052	19.025	19.073	VV	70754	1766762	15.50%	0.322%
318	19.099	19.073	19.145	VV	67873	257794		
319	19.151	19.145	19.163	VV	56210	56826		
320	19.236	19.163	19.261	VV	61766	333633		
321	19.269	19.261	19.284	VV	59332	77005		
322	19.314	19.284	19.331	VV	83238	2020163	17.72%	0.368%
323	19.343	19.331	19.370	VV	82123	1683174	14.77%	0.306%
324	19.385	19.370	19.425	VV	72391	2055039	18.03%	0.374%
325	19.453	19.425	19.475	VV	70398	1827654	16.03%	0.333%
326	19.485	19.475	19.495	VV	59460	684359	6.00%	0.125%
327	19.531	19.495	19.546	VV	62652	1845464	16.19%	0.336%
328	19.559	19.546	19.568	VV	61602	768569	6.74%	0.140%
329	19.598	19.568	19.645	VV	68129	2991551	26.25%	0.545%
330	19.651	19.645	19.659	VV	66275	555565	4.87%	0.101%
331	19.681	19.659	19.691	VV	65336	1259758	11.05%	0.229%
332	19.737	19.691	19.781	VV	418835	8843297	77.59%	1.610%
333	19.791	19.781	19.803	VV	79305	1008502	8.85%	0.184%
334	19.851	19.803	19.877	VV	85383	3530530	30.97%	0.643%
335	19.892	19.877	19.906	VV	81158	1356258	11.90%	0.247%
336	19.931	19.906	19.945	VV	80978	1796937	15.77%	0.327%
337	19.968	19.945	19.995	VV	92979	2626923	23.05%	0.478%
338	20.012	19.995	20.033	VV	107450	2280947	20.01%	0.415%
339	20.041	20.033	20.053	VV	100804	1169852	10.26%	0.213%
340	20.113	20.053	20.131	VV	122639	5054577	44.35%	0.920%
341	20.160	20.131	20.188	VV	121218	3646876	32.00%	0.664%
342	20.218	20.188	20.238	VV	108129	3130130	27.46%	0.570%
343	20.268	20.238	20.299	VV	118099	4210973	36.94%	0.766%
344	20.309	20.299	20.331	VV	118476	2198949	19.29%	0.400%
345	20.391	20.331	20.407	VV	140446	5649472	49.56%	1.028%
346	20.423	20.407	20.434	VV	129040	2014155	17.67%	0.367%
347	20.479	20.434	20.522	VV	454922	11224745	98.48%	2.043%
348	20.549	20.522	20.565	VV	139436	3401185	29.84%	0.619%
349	20.575	20.565	20.598	VV	137211	2653784	23.28%	0.483%
350	20.626	20.598	20.642	VV	144531	3672250	32.22%	0.668%
351	20.655	20.642	20.666	VV	144540	1970375	17.29%	0.359%
352	20.685	20.666	20.721	VV	149688	4718132	41.39%	0.859%
353	20.730	20.721	20.793	VV	140777	5638236	49.47%	1.026%
354	20.808	20.793	20.817	VV	127173	1799108	15.78%	0.327%
355	20.840	20.817	20.912	VV	135230	7021061	61.60%	1.278%
356	20.969	20.912	21.005	VV	128510	6851719	60.11%	1.247%
357	21.014	21.005	21.025	VV	120175	1362972	11.96%	0.248%
358	21.028	21.025	21.035	VV	118918	730359	6.41%	0.133%
359	21.044	21.035	21.071	VV	120552	2531861	22.21%	0.461%
360	21.088	21.071	21.148	VV	119171	5162383	45.29%	0.940%
361	21.165	21.148	21.187	VV	108187	2442600	21.43%	0.445%
362	21.230	21.187	21.278	VV	360756	9776603	85.77%	1.780%
363	21.308	21.278	21.330	VV	95509	2871553	25.19%	0.523%
364	21.357	21.330	21.376	VV	100943	2624480	23.03%	0.478%

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					rteres			
365	21.414	21.376	21.505	VV	105437	7318059	64.20%	1.332%
366	21.521	21.505	21.541	VV	81605	167237		
367	21.559	21.541	21.578	VV	75842	157501		
368	21.584	21.578	21.592	VV	72124	57128		
369	21.599	21.592	21.614	VV	69216	87184		
370	21.667	21.614	21.722	VV	72292	4227321	37.09%	0.769%
371	21.734	21.722	21.765	VV	61580	1522854	13.36%	0.277%
372	21.775	21.765	21.812	VV	59382	1546144	13.56%	0.281%
373	21.827	21.812	21.848	VV	53041	1049191	9.20%	0.191%
374	21.892	21.848	21.986	VV	56264	3889741	34.13%	0.708%
375	22.009	21.986	22.041	VV	42165	1271910	11.16%	0.232%
376	22.062	22.041	22.085	VV	40751	896767	7.87%	0.163%
377	22.097	22.085	22.110	VV	41247	524017	4.60%	0.095%
378	22.115	22.110	22.120	VV	32156	197448	1.73%	0.036%
379	22.169	22.120	22.227	VV	221667	6058181	53.15%	1.103%
380	22.242	22.227	22.253	VV	13101	183540	1.61%	0.033%
381	22.291	22.253	22.315	VV	25177	683983	6.00%	0.124%
382	22.328	22.315	22.379	VV	26786	550745	4.83%	0.100%

Sum of corrected areas: 549392639

Aliphatic EPH 103025.M Thu Nov 20 05:26:37 2025

Quantitation Report (QT Reviewed)

Sample Results: **FE056947.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111925AL\
Data File : FE056947.D
Signal(s) : FID1B.ch
Acq On : 19 Nov 2025 20:41
Operator : YP\AJ
Sample : Q3669-01MSD
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EO-01-11182025MSD

Manual Integrations APPROVED

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Integration File: autoint1.E
Quant Time: Nov 20 01:27:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Quant Title : GC Extractables
QLast Update : Tue Nov 18 13:37:28 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)	11.951	7602978	36.393 ug/mlm
Spiked Amount	50.000		Recovery =	72.79%
12) S	1-chlorooctadecane (S...	13.388	9124954	56.636 ug/ml
Spiked Amount	50.000		Recovery =	113.27%
	Target Compounds			
1) T	n-Nonane (C9)	3.306	3047091	18.141 ug/ml
2) T	n-Decane (C10)	4.561	3926331	22.881 ug/ml
3) T	A~Naphthalene (C11.7)	6.277	5382862	29.162 ug/ml
4) T	n-Dodecane (C12)	6.735	6122815	35.203 ug/ml
5) T	A~2-methylnaphthalene...	7.377	6370614	35.947 ug/ml
6) T	n-Tetradecane (C14)	8.570	8621119	49.390 ug/ml
7) T	n-Hexadecane (C16)	10.181	8310258	45.422 ug/ml
8) T	n-Octadecane (C18)	11.629	7540290	39.839 ug/ml
10) T	n-Eicosane (C20)	12.941	6972621	37.414 ug/ml
11) T	n-Heneicosane (C21)	13.554	6450636	35.080 ug/ml
13) T	n-Docosane (C22)	14.143	6242356	33.346 ug/ml
14) T	n-Tetracosane (C24)	15.250	11481522	58.620 ug/ml
15) T	n-Hexacosane (C26)	16.273	5644230	29.043 ug/ml
16) T	n-Octacosane (C28)	17.224	5060678	26.132 ug/ml
17) T	n-Tricontane (C30)	18.117	5359937	26.733 ug/ml
18) T	n-Dotriacontane (C32)	18.951	6879438	34.983 ug/mlm
19) T	n-Tetratriacontane (C34)	19.737	5755907	33.346 ug/ml
20) T	n-Hexatriacontane (C36)	20.481	5324325	36.807 ug/ml
21) T	n-Octatriacontane (C38)	21.234	4757762	37.802 ug/mlm
22) T	n-Tetracontane (C40)	22.172	5295921	45.807 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111925AL\
Data File : FE056947.D
Signal(s) : FID1B.ch
Acq On : 19 Nov 2025 20:41
Operator : YP\AJ
Sample : Q3669-01MSD
Misc :
ALS Vial : 30 Sample Multiplier: 1

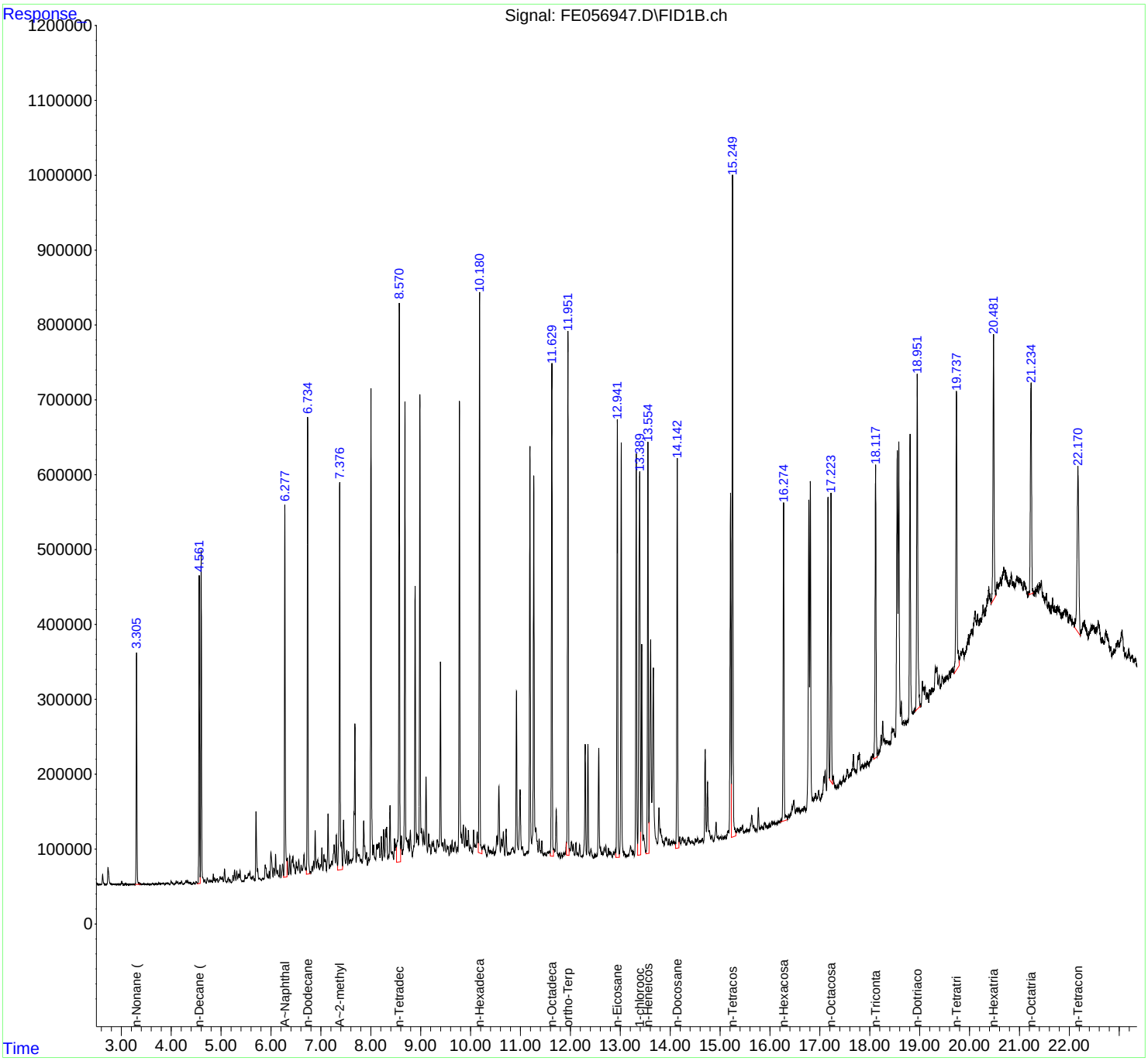
Integration File: autoint1.E
Quant Time: Nov 20 01:27:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Quant Title : GC Extractables
QLast Update : Tue Nov 18 13:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_E
ClientSampleId :
EO-01-11182025MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025



Instrument :
FID_E
ClientSampleId :
EO-01-11182025MSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

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Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE
Data File : FE056947.D
Signal(s) : FID1B.ch
Acq On : 19 Nov 2025 20:41
Sample : Q3669-01MSD
Misc :
ALS Vial : 30 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.575	2.524	2.594	BV	167	1133	0.01%	0.000%
2	2.625	2.594	2.707	PV	13390	168440	1.31%	0.031%
3	2.734	2.707	2.838	VV	22263	397024	3.09%	0.074%
4	2.851	2.838	2.901	VV	627	13782	0.11%	0.003%
5	2.926	2.901	2.933	VV	301	3374	0.03%	0.001%
6	2.946	2.933	2.964	VV	491	6456	0.05%	0.001%
7	2.977	2.964	2.987	VV	323	3873	0.03%	0.001%
8	3.009	2.987	3.051	VV	4691	56916	0.44%	0.011%
9	3.088	3.051	3.107	VV	847	15180	0.12%	0.003%
10	3.117	3.107	3.140	VV	392	3710	0.03%	0.001%
11	3.175	3.140	3.207	PV	181	2575	0.02%	0.000%
12	3.238	3.207	3.255	PV	158	2197	0.02%	0.000%
13	3.266	3.255	3.278	VV	168	1788	0.01%	0.000%
14	3.306	3.278	3.408	VV	308724	3075473	23.92%	0.570%
15	3.422	3.408	3.438	VV	522	7393	0.06%	0.001%
16	3.450	3.438	3.468	VV	880	11013	0.09%	0.002%
17	3.480	3.468	3.501	VV	660	7614	0.06%	0.001%
18	3.519	3.501	3.531	VV	462	6524	0.05%	0.001%
19	3.549	3.531	3.574	VV	605	9100	0.07%	0.002%
20	3.590	3.574	3.604	VV	436	4669	0.04%	0.001%
21	3.621	3.604	3.664	VV	1632	25954	0.20%	0.005%
22	3.678	3.664	3.718	VV	634	13281	0.10%	0.002%
23	3.753	3.718	3.804	VV	2336	48255	0.38%	0.009%
24	3.835	3.804	3.871	VV	1423	33164	0.26%	0.006%
25	3.896	3.871	3.911	VV	1623	24185	0.19%	0.004%
26	3.940	3.911	3.966	VV	2244	36195	0.28%	0.007%
27	3.997	3.966	4.056	VV	3970	79401	0.62%	0.015%
28	4.100	4.056	4.116	PV	4509	63884	0.50%	0.012%
29	4.132	4.116	4.152	VV	3904	48665	0.38%	0.009%
30	4.170	4.152	4.187	VV	1723	29426	0.23%	0.005%
31	4.209	4.187	4.231	VV	4344	57061	0.44%	0.011%

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rteres

32	4.244	4.231	4.258	VV	521	6402	0.05%	0.001%
33	4.299	4.258	4.316	VV	5158	9648		
34	4.331	4.316	4.360	VV	4005	6622		
35	4.371	4.360	4.414	VV	1933	3500		
36	4.453	4.414	4.473	PV	2387	3609		
37	4.500	4.473	4.526	VV	3047	46498	0.36%	0.009%
38	4.561	4.526	4.581	VV	411586	3940524	30.65%	0.731%
39	4.601	4.581	4.657	VV	444739	4521545	35.17%	0.838%
40	4.674	4.657	4.701	VV	5632	81092	0.63%	0.015%
41	4.723	4.701	4.757	VV	7523	133583	1.04%	0.025%
42	4.773	4.757	4.801	VV	4059	78636	0.61%	0.015%
43	4.811	4.801	4.826	VV	3127	35442	0.28%	0.007%
44	4.844	4.826	4.858	VV	12481	125778	0.98%	0.023%
45	4.868	4.858	4.884	VV	7113	70039	0.54%	0.013%
46	4.903	4.884	4.913	VV	5578	69918	0.54%	0.013%
47	4.924	4.913	4.941	VV	6142	65037	0.51%	0.012%
48	4.981	4.941	5.011	VV	8589	209936	1.63%	0.039%
49	5.024	5.011	5.046	VV	8341	110629	0.86%	0.021%
50	5.069	5.046	5.112	VV	18224	264771	2.06%	0.049%
51	5.144	5.112	5.161	VV	7035	100645	0.78%	0.019%
52	5.175	5.161	5.201	VV	4480	55127	0.43%	0.010%
53	5.237	5.201	5.253	PV	9966	115200	0.90%	0.021%
54	5.270	5.253	5.296	VV	16924	224395	1.75%	0.042%
55	5.314	5.296	5.333	VV	14688	191197	1.49%	0.035%
56	5.351	5.333	5.365	VV	10944	154035	1.20%	0.029%
57	5.380	5.365	5.419	VV	15416	196921	1.53%	0.037%
58	5.435	5.419	5.457	VV	1373	20882	0.16%	0.004%
59	5.479	5.457	5.493	PV	8698	100385	0.78%	0.019%
60	5.503	5.493	5.514	VV	5951	63036	0.49%	0.012%
61	5.544	5.514	5.555	VV	10743	179301	1.39%	0.033%
62	5.577	5.555	5.615	VV	13005	267353	2.08%	0.050%
63	5.640	5.615	5.657	VV	7387	115661	0.90%	0.021%
64	5.667	5.657	5.677	VV	3152	26400	0.21%	0.005%
65	5.700	5.677	5.754	VV	92032	1329972	10.34%	0.247%
66	5.771	5.754	5.807	VV	3792	70352	0.55%	0.013%
67	5.827	5.807	5.840	VV	3531	41873	0.33%	0.008%
68	5.852	5.840	5.861	VV	3201	28728	0.22%	0.005%
69	5.884	5.861	5.918	VV	20707	426763	3.32%	0.079%
70	5.927	5.918	5.946	VV	7707	91426	0.71%	0.017%
71	5.964	5.946	5.978	VV	11737	128447	1.00%	0.024%
72	5.999	5.978	6.040	VV	37149	741187	5.76%	0.137%
73	6.056	6.040	6.076	VV	15581	243858	1.90%	0.045%
74	6.092	6.076	6.119	VV	34068	455028	3.54%	0.084%
75	6.133	6.119	6.164	VV	12726	211905	1.65%	0.039%
76	6.180	6.164	6.199	VV	19352	220549	1.72%	0.041%
77	6.232	6.199	6.252	VV	20580	360917	2.81%	0.067%
78	6.277	6.252	6.321	VV	498641	5505823	42.82%	1.021%
79	6.328	6.321	6.351	VV	27809	322023	2.50%	0.060%

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rteres

80	6.376	6.351	6.397	VV	30618	412980	3.21%	0.077%
81	6.419	6.397	6.427	VV	24526	32026		
82	6.439	6.427	6.488	VV	29791	64992		
83	6.506	6.488	6.537	VV	21565	42795		
84	6.556	6.537	6.583	VV	24572	44475		
85	6.605	6.583	6.621	VV	17340	279145	2.17%	0.052%
86	6.661	6.621	6.692	VV	31074	747999	5.82%	0.139%
87	6.700	6.692	6.707	VV	12128	102856	0.80%	0.019%
88	6.734	6.707	6.781	VV	611625	6342654	49.33%	1.176%
89	6.792	6.781	6.803	VV	8158	94283	0.73%	0.017%
90	6.824	6.803	6.837	VV	14943	219680	1.71%	0.041%
91	6.856	6.837	6.868	VV	21038	292064	2.27%	0.054%
92	6.886	6.868	6.912	VV	62067	842331	6.55%	0.156%
93	6.936	6.912	6.974	VV	23099	634696	4.94%	0.118%
94	7.020	6.974	7.040	VV	38679	748119	5.82%	0.139%
95	7.061	7.040	7.112	VV	29400	809781	6.30%	0.150%
96	7.144	7.112	7.173	VV	83879	1216074	9.46%	0.225%
97	7.186	7.173	7.196	VV	15001	190337	1.48%	0.035%
98	7.218	7.196	7.230	VV	20213	345836	2.69%	0.064%
99	7.266	7.230	7.290	VV	41797	1022697	7.95%	0.190%
100	7.309	7.290	7.334	VV	54241	813382	6.33%	0.151%
101	7.377	7.334	7.434	VV	524273	6829832	53.12%	1.266%
102	7.455	7.434	7.495	VV	73696	1275472	9.92%	0.236%
103	7.520	7.495	7.539	VV	32582	623858	4.85%	0.116%
104	7.555	7.539	7.573	VV	31583	443540	3.45%	0.082%
105	7.590	7.573	7.614	VV	19931	454692	3.54%	0.084%
106	7.682	7.614	7.708	VV	200875	3532051	27.47%	0.655%
107	7.724	7.708	7.748	VV	33347	663520	5.16%	0.123%
108	7.768	7.748	7.793	VV	26288	630336	4.90%	0.117%
109	7.805	7.793	7.825	VV	19928	340688	2.65%	0.063%
110	7.859	7.825	7.896	VV	71226	1510456	11.75%	0.280%
111	7.914	7.896	7.933	VV	28826	473548	3.68%	0.088%
112	7.954	7.933	7.968	VV	21233	377465	2.94%	0.070%
113	8.055	8.041	8.098	VV	38303	895869	6.97%	0.166%
114	8.119	8.098	8.131	VV	38164	615958	4.79%	0.114%
115	8.145	8.131	8.155	VV	38267	504996	3.93%	0.094%
116	8.166	8.155	8.184	VV	40482	579777	4.51%	0.107%
117	8.211	8.184	8.232	VV	48768	865238	6.73%	0.160%
118	8.258	8.232	8.278	VV	57602	946633	7.36%	0.176%
119	8.298	8.278	8.307	VV	58255	755181	5.87%	0.140%
120	8.317	8.307	8.342	VV	60608	846022	6.58%	0.157%
121	8.385	8.342	8.422	VV	89395	1797094	13.98%	0.333%
122	8.435	8.422	8.457	VV	27509	493587	3.84%	0.092%
123	8.476	8.457	8.489	VV	44963	624067	4.85%	0.116%
124	8.501	8.489	8.512	VV	35850	455585	3.54%	0.084%
125	8.570	8.512	8.597	VV	763850	9326087	72.54%	1.729%
126	8.613	8.597	8.633	VV	47611	773602	6.02%	0.143%

Instrument :
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rteres

127	8.684	8.633	8.746	VV	626471	8148728	63.38%	1.511%
128	8.758	8.746	8.773	VV	42446	57535		
129	8.792	8.773	8.831	VV	53856	123202		
130	8.926	8.915	8.956	VV	48081	105122		
131	8.984	8.956	9.008	VV	635173	717204		
132	9.016	9.008	9.044	VV	55644	1037579	8.07%	0.192%
133	9.059	9.044	9.079	VV	50830	869275	6.76%	0.161%
134	9.107	9.079	9.135	VV	123902	2083302	16.20%	0.386%
135	9.160	9.135	9.205	VV	47954	1372371	10.67%	0.254%
136	9.227	9.205	9.243	VV	36838	722240	5.62%	0.134%
137	9.257	9.243	9.306	VV	37580	1095249	8.52%	0.203%
138	9.333	9.306	9.358	VV	38449	1007759	7.84%	0.187%
139	9.396	9.358	9.429	VV	275701	3876724	30.15%	0.719%
140	9.441	9.429	9.462	VV	34782	608560	4.73%	0.113%
141	9.481	9.462	9.509	VV	38991	842728	6.55%	0.156%
142	9.531	9.509	9.541	VV	29001	521120	4.05%	0.097%
143	9.548	9.541	9.571	VV	28633	437003	3.40%	0.081%
144	9.598	9.571	9.613	VV	30623	606542	4.72%	0.112%
145	9.629	9.613	9.665	VV	37108	859302	6.68%	0.159%
146	9.687	9.665	9.716	VV	34094	852547	6.63%	0.158%
147	9.732	9.716	9.746	VV	27581	448713	3.49%	0.083%
148	9.777	9.746	9.830	VV	623158	7996307	62.20%	1.483%
149	9.855	9.830	9.881	VV	56964	1290002	10.03%	0.239%
150	9.902	9.881	9.920	VV	52577	893420	6.95%	0.166%
151	9.932	9.920	9.941	VV	35683	407116	3.17%	0.075%
152	9.956	9.941	9.979	VV	48822	794413	6.18%	0.147%
153	10.061	10.038	10.082	VV	48985	877366	6.82%	0.163%
154	10.092	10.082	10.108	VV	29183	444441	3.46%	0.082%
155	10.133	10.108	10.153	VV	46402	970393	7.55%	0.180%
156	10.181	10.153	10.226	VV	761715	9084771	70.66%	1.684%
157	10.257	10.226	10.272	VV	26937	694357	5.40%	0.129%
158	10.282	10.272	10.326	VV	26165	656306	5.10%	0.122%
159	10.398	10.389	10.422	VV	18858	363444	2.83%	0.067%
160	10.428	10.422	10.438	VV	17827	158457	1.23%	0.029%
161	10.454	10.438	10.478	VV	22130	442598	3.44%	0.082%
162	10.568	10.540	10.598	VV	104857	1903872	14.81%	0.353%
163	10.619	10.598	10.638	VV	34280	669967	5.21%	0.124%
164	10.713	10.685	10.745	VV	46980	919780	7.15%	0.171%
165	10.766	10.745	10.781	VV	16131	316646	2.46%	0.059%
166	10.850	10.781	10.872	VV	22770	999245	7.77%	0.185%
167	10.920	10.872	10.957	VV	231727	3327089	25.88%	0.617%
168	10.992	10.957	11.024	VV	98241	2033794	15.82%	0.377%
169	11.041	11.024	11.073	VV	22285	518167	4.03%	0.096%
170	11.137	11.073	11.151	VV	15746	630081	4.90%	0.117%
171	11.190	11.151	11.224	VV	556978	6585320	51.22%	1.221%
172	11.266	11.224	11.299	VV	512198	6780915	52.74%	1.257%
173	11.310	11.299	11.354	VV	46324	1044603	8.12%	0.194%
174	11.374	11.354	11.410	VV	32016	675160	5.25%	0.125%

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rteres

175	11.428	11.410	11.464	VV	28784	542707	4.22%	0.101%
176	11.489	11.464	11.518	VV	12011	34266		
177	11.581	11.551	11.593	VV	13153	32185		
178	11.629	11.593	11.661	VV	657939	785542		
179	11.674	11.661	11.688	VV	16759	25168		
180	11.716	11.688	11.765	VV	69078	1253488	9.75%	0.232%
181	11.782	11.765	11.804	VV	10872	189560	1.47%	0.035%
182	11.822	11.804	11.841	VV	10292	162451	1.26%	0.030%
183	11.869	11.841	11.878	VV	10203	181104	1.41%	0.034%
184	11.951	11.878	11.997	VV	703012	8399231	65.33%	1.557%
185	12.023	11.997	12.043	VV	25017	523485	4.07%	0.097%
186	12.110	12.088	12.132	VV	23573	369404	2.87%	0.068%
187	12.148	12.132	12.162	VV	9485	144733	1.13%	0.027%
188	12.185	12.162	12.214	VV	20068	340055	2.64%	0.063%
189	12.297	12.214	12.323	VV	153627	2151530	16.73%	0.399%
190	12.411	12.387	12.466	VV	12786	326959	2.54%	0.061%
191	12.496	12.466	12.514	VV	5432	105130	0.82%	0.019%
192	12.568	12.514	12.622	VV	146849	2210004	17.19%	0.410%
193	12.637	12.622	12.653	VV	8227	127586	0.99%	0.024%
194	12.678	12.653	12.696	VV	13971	259441	2.02%	0.048%
195	12.711	12.696	12.744	VV	16899	256084	1.99%	0.047%
196	12.763	12.744	12.779	VV	12993	161379	1.26%	0.030%
197	12.793	12.779	12.804	VV	8534	106636	0.83%	0.020%
198	12.815	12.804	12.840	VV	6741	94083	0.73%	0.017%
199	12.867	12.840	12.881	VV	6098	109360	0.85%	0.020%
200	12.900	12.881	12.910	VV	10567	136606	1.06%	0.025%
201	12.941	12.910	12.981	VV	586309	6983888	54.32%	1.295%
202	13.019	12.981	13.071	VV	548157	6496739	50.53%	1.205%
203	13.082	13.071	13.104	VV	5369	70144	0.55%	0.013%
204	13.121	13.104	13.131	PV	1971	20608	0.16%	0.004%
205	13.157	13.131	13.167	VV	1863	30169	0.23%	0.006%
206	13.206	13.167	13.247	VV	13117	328738	2.56%	0.061%
207	13.261	13.247	13.281	VV	5757	68719	0.53%	0.013%
208	13.320	13.281	13.347	PV	538023	6274406	48.80%	1.163%
209	13.388	13.347	13.411	VV	507779	9127803	71.00%	1.692%
210	13.430	13.411	13.454	VV	282073	3319140	25.82%	0.615%
211	13.465	13.454	13.514	VV	25929	524274	4.08%	0.097%
212	13.554	13.514	13.576	VV	542486	6460112	50.25%	1.198%
213	13.608	13.576	13.633	VV	284003	5223022	40.62%	0.968%
214	13.663	13.633	13.747	VV	249374	4979929	38.73%	0.923%
215	13.776	13.747	13.798	VV	58076	1040600	8.09%	0.193%
216	13.807	13.798	13.854	VV	29622	686471	5.34%	0.127%
217	13.860	13.854	13.879	VV	11780	149088	1.16%	0.028%
218	13.913	13.879	13.960	VV	16539	603584	4.69%	0.112%
219	13.978	13.960	14.004	VV	14198	259179	2.02%	0.048%
220	14.026	14.004	14.048	VV	10862	223240	1.74%	0.041%
221	14.065	14.048	14.078	VV	10253	157121	1.22%	0.029%

Instrument :
FID_E
ClientSampleId :
EO-01-11182025MSD

Manual IntegrationsAPPROVED

Reviewed By :Rahul Chavli 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025

rteres

222	14.095	14.078	14.111	VV	8470	148779	1.16%	0.028%
223	14.143	14.111	14.176	VV	522217	623371		
224	14.194	14.176	14.218	VV	14777	23452		
225	14.240	14.218	14.277	VV	11397	33144		
226	14.294	14.277	14.317	VV	8785	15293		
227	14.359	14.317	14.417	VV	11834	388515	3.02%	0.072%
228	14.437	14.417	14.484	VV	5901	150665	1.17%	0.028%
229	14.504	14.484	14.518	PV	8229	98171	0.76%	0.018%
230	14.553	14.518	14.573	VV	8172	184183	1.43%	0.034%
231	14.595	14.573	14.607	VV	4106	67677	0.53%	0.013%
232	14.646	14.607	14.667	VV	7342	156181	1.21%	0.029%
233	14.701	14.667	14.727	VV	125228	1736643	13.51%	0.322%
234	14.749	14.727	14.816	VV	81181	1441591	11.21%	0.267%
235	14.835	14.816	14.874	VV	8411	152541	1.19%	0.028%
236	14.920	14.874	14.944	VV	25214	440375	3.43%	0.082%
237	14.959	14.944	14.975	VV	5814	79191	0.62%	0.015%
238	15.017	14.975	15.037	VV	4644	110401	0.86%	0.020%
239	15.055	15.037	15.072	VV	4939	50821	0.40%	0.009%
240	15.099	15.072	15.118	VV	5046	72113	0.56%	0.013%
241	15.210	15.118	15.226	PV	461903	5977173	46.49%	1.108%
242	15.250	15.226	15.321	VV	884346	11552644	89.86%	2.142%
243	15.349	15.321	15.365	VV	11060	203882	1.59%	0.038%
244	15.378	15.365	15.392	VV	8792	113614	0.88%	0.021%
245	15.409	15.392	15.424	VV	10689	155857	1.21%	0.029%
246	15.449	15.424	15.478	VV	11847	246389	1.92%	0.046%
247	15.533	15.478	15.547	VV	5708	171032	1.33%	0.032%
248	15.560	15.547	15.584	VV	5765	93562	0.73%	0.017%
249	15.634	15.584	15.663	VV	22877	549897	4.28%	0.102%
250	15.676	15.663	15.704	VV	8556	138437	1.08%	0.026%
251	15.718	15.704	15.741	VV	4220	50377	0.39%	0.009%
252	15.766	15.741	15.808	PV	31148	438516	3.41%	0.081%
253	15.837	15.808	15.858	VV	4263	81871	0.64%	0.015%
254	15.895	15.858	15.959	PV	8252	197424	1.54%	0.037%
255	15.988	15.959	16.004	VV	3681	42329	0.33%	0.008%
256	16.034	16.004	16.049	PV	4686	72932	0.57%	0.014%
257	16.084	16.049	16.117	VV	3607	88505	0.69%	0.016%
258	16.134	16.117	16.148	VV	1871	17142	0.13%	0.003%
259	16.190	16.148	16.200	VV	2066	43391	0.34%	0.008%
260	16.219	16.200	16.229	VV	3407	38792	0.30%	0.007%
261	16.273	16.229	16.355	VV	427165	5633964	43.82%	1.045%
262	16.380	16.355	16.394	PV	4300	70545	0.55%	0.013%
263	16.412	16.394	16.421	VV	5804	70924	0.55%	0.013%
264	16.442	16.421	16.451	VV	14597	186828	1.45%	0.035%
265	16.475	16.451	16.509	VV	21241	466892	3.63%	0.087%
266	16.527	16.509	16.550	VV	7465	142989	1.11%	0.027%
267	16.579	16.550	16.606	VV	6488	166051	1.29%	0.031%
268	16.649	16.606	16.666	VV	4462	92889	0.72%	0.017%
269	16.685	16.666	16.709	VV	6000	77280	0.60%	0.014%

Instrument :
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Manual IntegrationsAPPROVED

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rteres

270	16.780	16.709	16.794	PV	413578	5772101	44.90%	1.070%
271	16.810	16.794	16.879	VV	436361	560032		
272	16.915	16.879	16.938	VV	14101	34708		
273	16.976	16.938	17.011	VV	16114	36309		
274	17.078	17.011	17.090	VV	30010	58378		
275	17.107	17.090	17.133	VV	37330	660282	5.14%	0.122%
276	17.163	17.133	17.194	VV	398993	5344370	41.57%	0.991%
277	17.224	17.194	17.256	VV	401560	5705021	44.37%	1.058%
278	17.268	17.256	17.303	VV	22966	453955	3.53%	0.084%
279	17.321	17.303	17.338	VV	8758	152906	1.19%	0.028%
280	17.469	17.338	17.496	VV	13779	752418	5.85%	0.140%
281	17.547	17.496	17.584	VV	20787	675058	5.25%	0.125%
282	17.674	17.584	17.732	VV	34920	1395277	10.85%	0.259%
283	17.767	17.732	17.777	VV	29519	548141	4.26%	0.102%
284	17.789	17.777	17.820	VV	33385	591107	4.60%	0.110%
285	17.848	17.820	17.874	VV	15389	417127	3.24%	0.077%
286	17.894	17.874	17.930	VV	14419	387789	3.02%	0.072%
287	17.951	17.930	17.983	VV	15220	389225	3.03%	0.072%
288	18.059	17.983	18.078	VV	20913	872237	6.78%	0.162%
289	18.117	18.078	18.151	VV	404407	5951893	46.29%	1.104%
290	18.167	18.151	18.181	VV	21156	324337	2.52%	0.060%
291	18.227	18.181	18.241	VV	39199	915265	7.12%	0.170%
292	18.260	18.241	18.281	VV	56603	987705	7.68%	0.183%
293	18.291	18.281	18.312	VV	31854	550469	4.28%	0.102%
294	18.321	18.312	18.341	VV	27506	450343	3.50%	0.084%
295	18.349	18.341	18.381	VV	26473	574814	4.47%	0.107%
296	18.395	18.381	18.405	VV	24462	328461	2.55%	0.061%
297	18.448	18.405	18.458	VV	37271	891184	6.93%	0.165%
298	18.482	18.458	18.510	VV	36432	1048336	8.15%	0.194%
299	18.551	18.510	18.565	VV	405924	6294355	48.96%	1.167%
300	18.581	18.565	18.615	VV	416666	6246745	48.59%	1.158%
301	18.631	18.615	18.654	VV	66802	1251529	9.73%	0.232%
302	18.674	18.654	18.689	VV	41112	778868	6.06%	0.144%
303	18.715	18.689	18.733	VV	37223	963120	7.49%	0.179%
304	18.808	18.733	18.878	VV	416032	8527310	66.33%	1.581%
305	18.951	18.878	19.017	VV	489125	10618357	82.59%	1.969%
306	19.055	19.017	19.069	VV	77308	1859571	14.46%	0.345%
307	19.077	19.069	19.092	VV	68105	925250	7.20%	0.172%
308	19.110	19.092	19.128	VV	67213	1340509	10.43%	0.249%
309	19.144	19.128	19.157	VV	58762	952362	7.41%	0.177%
310	19.168	19.157	19.182	VV	54767	761906	5.93%	0.141%
311	19.204	19.182	19.224	VV	59975	1426695	11.10%	0.265%
312	19.257	19.224	19.271	VV	60749	1619361	12.60%	0.300%
313	19.315	19.271	19.326	VV	86834	2293934	17.84%	0.425%
314	19.347	19.326	19.370	VV	83952	2010120	15.63%	0.373%
315	19.391	19.370	19.414	VV	71374	1681155	13.08%	0.312%
316	19.449	19.414	19.481	VV	68326	2491187	19.38%	0.462%

Instrument :
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Manual IntegrationsAPPROVED

Reviewed By :Rahul Chavli 11/20/2025
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rteres

317	19.506	19.481	19.518	VV	64696	1337095	10.40%	0.248%
318	19.597	19.518	19.618	VV	69182	379930		
319	19.642	19.618	19.654	VV	70609	149658		
320	19.665	19.654	19.687	VV	70942	131694		
321	19.737	19.687	19.794	VV	437633	998502		
322	19.863	19.794	19.891	VV	87729	4804718	37.37%	0.891%
323	19.978	19.891	19.989	VV	103029	5144313	40.01%	0.954%
324	20.036	19.989	20.067	VV	104921	4730527	36.79%	0.877%
325	20.111	20.067	20.142	VV	127889	5268324	40.98%	0.977%
326	20.232	20.211	20.241	VV	114177	2035957	15.84%	0.377%
327	20.309	20.294	20.322	VV	124837	2028597	15.78%	0.376%
328	20.386	20.322	20.429	VV	149357	8582416	66.75%	1.591%
329	20.481	20.429	20.527	VV	478887	12856693	100.00%	2.384%
330	20.616	20.527	20.638	VV	153489	9704921	75.49%	1.799%
331	20.685	20.638	20.714	VV	162931	7069999	54.99%	1.311%
332	20.836	20.788	20.888	VV	150196	8381219	65.19%	1.554%
333	20.948	20.888	20.981	VV	141508	7478110	58.17%	1.387%
334	21.012	21.004	21.078	VV	134847	5616064	43.68%	1.041%
335	21.093	21.078	21.191	VV	127594	7888616	61.36%	1.463%
336	21.233	21.191	21.301	VV	385252	11804654	91.82%	2.189%
337	21.317	21.301	21.330	VV	110372	1834668	14.27%	0.340%
338	21.358	21.330	21.380	VV	111442	3189638	24.81%	0.591%
339	21.440	21.380	21.507	VV	115645	7834108	60.93%	1.453%
340	21.516	21.507	21.527	VV	89478	1083651	8.43%	0.201%
341	21.540	21.527	21.567	VV	94905	2007971	15.62%	0.372%
342	21.664	21.638	21.690	VV	83752	2295818	17.86%	0.426%
343	21.740	21.727	21.751	VV	67944	947620	7.37%	0.176%
344	21.793	21.779	21.833	VV	66921	1916053	14.90%	0.355%
345	21.910	21.833	21.922	VV	59020	2903600	22.58%	0.538%
346	21.930	21.922	21.986	VV	57415	1901163	14.79%	0.353%
347	22.000	21.986	22.078	VV	47936	2175931	16.92%	0.403%
348	22.083	22.078	22.099	VV	33030	394725	3.07%	0.073%
349	22.113	22.099	22.121	VV	36974	438578	3.41%	0.081%
350	22.172	22.121	22.221	VV	238224	6281762	48.86%	1.165%
351	22.269	22.221	22.376	VV	24534	1595991	12.41%	0.296%
352	22.388	22.376	22.394	PV	6834	28446	0.22%	0.005%

Sum of corrected areas: 539330577

Aliphatic EPH 103025.M Thu Nov 20 05:28:29 2025

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

Manual Integration Report

Sequence:	FE103025AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3485-01	FE056583.D	ortho-Terphenyl (SURR)	rahul	10/31/2025 4:28:28 PM	yogesh	10/31/2025 4:28:57	Peak Integrated by Software
Q3485-02	FE056584.D	1-chlorooctadecane (SURR)	rahul	10/31/2025 4:28:31 PM	yogesh	10/31/2025 4:28:58	Peak Integrated by Software
Q3485-02	FE056584.D	ortho-Terphenyl (SURR)	rahul	10/31/2025 4:28:31 PM	yogesh	10/31/2025 4:28:58	Peak Integrated by Software
Q3490-01	FE056595.D	ortho-Terphenyl (SURR)	rahul	10/31/2025 4:28:34 PM	yogesh	10/31/2025 4:29:00	Peak Integrated by Software

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Manual Integration Report

Sequence:	FE111925AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3652-01DL2	FE056927.D	1-chlorooctadecane (SURR)	rahul	11/20/2025 9:06:13 AM	Sohil	11/20/2025 4:00:00	Peak Integrated by Software
Q3669-01	FE056944.D	ortho-Terphenyl (SURR)	rahul	11/20/2025 9:06:15 AM	Sohil	11/20/2025 4:00:10	Peak Integrated by Software
Q3669-01D	FE056945.D	ortho-Terphenyl (SURR)	rahul	11/20/2025 9:06:17 AM	Sohil	11/20/2025 4:00:12	Peak Integrated by Software
Q3669-01MS	FE056946.D	n-Dotriacontane (C32)	rahul	11/20/2025 9:06:21 AM	Sohil	11/20/2025 4:00:14	Peak Integrated by Software
Q3669-01MS	FE056946.D	n-Octadecane (C18)	rahul	11/20/2025 9:06:21 AM	Sohil	11/20/2025 4:00:14	Peak Integrated by Software
Q3669-01MS	FE056946.D	ortho-Terphenyl (SURR)	rahul	11/20/2025 9:06:21 AM	Sohil	11/20/2025 4:00:14	Peak Integrated by Software
Q3669-01MSD	FE056947.D	n-Dotriacontane (C32)	rahul	11/20/2025 9:06:28 AM	Sohil	11/20/2025 4:00:16	Peak Integrated by Software
Q3669-01MSD	FE056947.D	n-Octatriacontane (C38)	rahul	11/20/2025 9:06:28 AM	Sohil	11/20/2025 4:00:16	Peak Integrated by Software
Q3669-01MSD	FE056947.D	ortho-Terphenyl (SURR)	rahul	11/20/2025 9:06:28 AM	Sohil	11/20/2025 4:00:16	Peak Integrated by Software
Q3669-02	FE056948.D	ortho-Terphenyl (SURR)	rahul	11/20/2025 9:06:32 AM	Sohil	11/20/2025 4:00:17	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE103025AL

Review By	yogesh	Review On	10/30/2025 10:43:15 AM		
Supervise By	Sohil	Supervise On	10/30/2025 4:01:31 PM		
SubDirectory	FE103025AL	HP Acquire Method		HP Processing Method	FE103025AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FE056573.D	30 Oct 2025 09:19	YP\AJ	Ok
2	I.BLK	FE056574.D	30 Oct 2025 09:49	YP\AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FE056575.D	30 Oct 2025 10:20	YP\AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FE056576.D	30 Oct 2025 10:50	YP\AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FE056577.D	30 Oct 2025 11:20	YP\AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FE056578.D	30 Oct 2025 11:51	YP\AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FE056579.D	30 Oct 2025 12:21	YP\AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FE056580.D	30 Oct 2025 12:51	YP\AJ	Ok
9	I.BLK	FE056581.D	30 Oct 2025 13:21	YP\AJ	Ok
10	20 PPM ALIPHATIC HC STD	FE056582.D	30 Oct 2025 13:52	YP\AJ	Ok
11	Q3485-01	FE056583.D	30 Oct 2025 14:52	YP\AJ	Ok,M
12	Q3485-02	FE056584.D	30 Oct 2025 15:23	YP\AJ	Ok,M
13	Q3486-01	FE056585.D	30 Oct 2025 15:53	YP\AJ	Ok
14	Q3486-02	FE056586.D	30 Oct 2025 16:25	YP\AJ	Ok
15	Q3486-03	FE056587.D	30 Oct 2025 16:56	YP\AJ	Dilution
16	Q3486-04	FE056588.D	30 Oct 2025 17:26	YP\AJ	Ok
17	Q3486-06	FE056589.D	30 Oct 2025 17:57	YP\AJ	Ok
18	Q3486-07	FE056590.D	30 Oct 2025 18:27	YP\AJ	ReRun
19	Q3486-08	FE056591.D	30 Oct 2025 18:58	YP\AJ	ReRun
20	Q3488-01	FE056592.D	30 Oct 2025 19:28	YP\AJ	Ok
21	Q3488-04	FE056593.D	30 Oct 2025 19:59	YP\AJ	Dilution

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

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE103025AL

Review By	yogesh	Review On	10/30/2025 10:43:15 AM		
Supervise By	Sohil	Supervise On	10/30/2025 4:01:31 PM		
SubDirectory	FE103025AL	HP Acquire Method		HP Processing Method	FE103025AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q3488-06	FE056594.D	30 Oct 2025 20:29	YP\AJ	Dilution
23	Q3490-01	FE056595.D	30 Oct 2025 21:00	YP\AJ	Dilution
24	Q3488-02	FE056596.D	30 Oct 2025 21:30	YP\AJ	Dilution
25	I.BLK	FE056597.D	30 Oct 2025 23:01	YP\AJ	Ok
26	20 PPM ALIPHATIC HC STD	FE056598.D	30 Oct 2025 23:32	YP\AJ	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE111925AL

Review By	rahul	Review On	11/19/2025 3:03:33 PM		
Supervise By	Sohil	Supervise On	11/20/2025 4:00:25 PM		
SubDirectory	FE111925AL	HP Acquire Method		HP Processing Method	FE103025AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FE056923.D	19 Nov 2025 07:04	YP\AJ	Ok
2	I.BLK	FE056924.D	19 Nov 2025 07:35	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE056925.D	19 Nov 2025 08:05	YP\AJ	Ok
4	Q3652-01DL	FE056926.D	19 Nov 2025 08:52	YP\AJ	Dilution
5	Q3652-01DL2	FE056927.D	19 Nov 2025 09:22	YP\AJ	Ok,M
6	Q3656-01DL	FE056928.D	19 Nov 2025 09:52	YP\AJ	Dilution
7	Q3656-01DL2	FE056929.D	19 Nov 2025 10:22	YP\AJ	Not Ok
8	Q3656-02DL	FE056930.D	19 Nov 2025 10:52	YP\AJ	Dilution
9	Q3656-02DL2	FE056931.D	19 Nov 2025 11:22	YP\AJ	Ok
10	I.BLK	FE056932.D	19 Nov 2025 12:22	YP\AJ	Ok
11	20 PPM ALIPHATIC HC STD	FE056933.D	19 Nov 2025 12:53	YP\AJ	Ok
12	PB170632BL	FE056934.D	19 Nov 2025 14:09	YP\AJ	Ok
13	PB170632BS	FE056935.D	19 Nov 2025 14:39	YP\AJ	Ok
14	PB170632BSD	FE056936.D	19 Nov 2025 15:09	YP\AJ	Ok
15	Q3662-04	FE056937.D	19 Nov 2025 15:39	YP\AJ	Ok
16	Q3664-01	FE056938.D	19 Nov 2025 16:09	YP\AJ	Ok
17	Q3664-02	FE056939.D	19 Nov 2025 16:40	YP\AJ	Ok
18	Q3664-03	FE056940.D	19 Nov 2025 17:10	YP\AJ	Ok
19	Q3664-04	FE056941.D	19 Nov 2025 17:40	YP\AJ	Ok
20	Q3664-05	FE056942.D	19 Nov 2025 18:10	YP\AJ	Ok
21	Q3664-06	FE056943.D	19 Nov 2025 18:40	YP\AJ	Ok

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE111925AL

Review By	rahul	Review On	11/19/2025 3:03:33 PM		
Supervise By	Sohil	Supervise On	11/20/2025 4:00:25 PM		
SubDirectory	FE111925AL	HP Acquire Method		HP Processing Method	FE103025AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q3669-01	FE056944.D	19 Nov 2025 19:11	YP\AJ	Dilution
23	Q3669-01D	FE056945.D	19 Nov 2025 19:40	YP\AJ	Ok,M
24	Q3669-01MS	FE056946.D	19 Nov 2025 20:11	YP\AJ	Ok,M
25	Q3669-01MSD	FE056947.D	19 Nov 2025 20:41	YP\AJ	Ok,M
26	Q3669-02	FE056948.D	19 Nov 2025 21:11	YP\AJ	Dilution
27	Q3656-01DL2	FE056949.D	19 Nov 2025 21:41	YP\AJ	Not Ok
28	I.BLK	FE056950.D	19 Nov 2025 22:42	YP\AJ	Ok
29	20 PPM ALIPHATIC HC STD	FE056951.D	19 Nov 2025 23:12	YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE103025AL

Review By	yogesh	Review On	10/30/2025 10:43:15 AM		
Supervise By	Sohil	Supervise On	10/30/2025 4:01:31 PM		
SubDirectory	FE103025AL	HP Acquire Method		HP Processing Method	FE103025AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FE056573.D	30 Oct 2025 09:19		YP\AJ	Ok
2	I.BLK	I.BLK	FE056574.D	30 Oct 2025 09:49		YP\AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FE056575.D	30 Oct 2025 10:20		YP\AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FE056576.D	30 Oct 2025 10:50		YP\AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056577.D	30 Oct 2025 11:20		YP\AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FE056578.D	30 Oct 2025 11:51		YP\AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FE056579.D	30 Oct 2025 12:21		YP\AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056580.D	30 Oct 2025 12:51		YP\AJ	Ok
9	I.BLK	I.BLK	FE056581.D	30 Oct 2025 13:21		YP\AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056582.D	30 Oct 2025 13:52		YP\AJ	Ok
11	Q3485-01	TR-04-102925	FE056583.D	30 Oct 2025 14:52		YP\AJ	Ok,M
12	Q3485-02	TR-04-102925-E2	FE056584.D	30 Oct 2025 15:23		YP\AJ	Ok,M
13	Q3486-01	TP3	FE056585.D	30 Oct 2025 15:53		YP\AJ	Ok
14	Q3486-02	TP3-E2	FE056586.D	30 Oct 2025 16:25		YP\AJ	Ok
15	Q3486-03	TP4	FE056587.D	30 Oct 2025 16:56	Need 5X,Surrogate fail	YP\AJ	Dilution
16	Q3486-04	TP4-E2	FE056588.D	30 Oct 2025 17:26		YP\AJ	Ok
17	Q3486-06	TP5-E2	FE056589.D	30 Oct 2025 17:57		YP\AJ	Ok
18	Q3486-07	TP6	FE056590.D	30 Oct 2025 18:27	Surrogate fail	YP\AJ	ReRun

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE103025AL

Review By	yogesh	Review On	10/30/2025 10:43:15 AM		
Supervise By	Sohil	Supervise On	10/30/2025 4:01:31 PM		
SubDirectory	FE103025AL	HP Acquire Method		HP Processing Method	FE103025AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q3486-08	TP6-E2	FE056591.D	30 Oct 2025 18:58	Surrogate fail	YP\AJ	ReRun
20	Q3488-01	MOO-25-0294-0298	FE056592.D	30 Oct 2025 19:28		YP\AJ	Ok
21	Q3488-04	MOO-25-0302-0310	FE056593.D	30 Oct 2025 19:59	Need 500X	YP\AJ	Dilution
22	Q3488-06	MOO-25-0311-0313	FE056594.D	30 Oct 2025 20:29	Need further 20X	YP\AJ	Dilution
23	Q3490-01	LAW-25-0151	FE056595.D	30 Oct 2025 21:00	Need further 10X	YP\AJ	Dilution
24	Q3488-02	MOO-25-0299	FE056596.D	30 Oct 2025 21:30	Need further 20X	YP\AJ	Dilution
25	I.BLK	I.BLK	FE056597.D	30 Oct 2025 23:01		YP\AJ	Ok
26	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056598.D	30 Oct 2025 23:32		YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE111925AL

Review By	rahul	Review On	11/19/2025 3:03:33 PM		
Supervise By	Sohil	Supervise On	11/20/2025 4:00:25 PM		
SubDirectory	FE111925AL	HP Acquire Method		HP Processing Method	FE103025AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FE056923.D	19 Nov 2025 07:04		YP\AJ	Ok
2	I.BLK	I.BLK	FE056924.D	19 Nov 2025 07:35		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056925.D	19 Nov 2025 08:05		YP\AJ	Ok
4	Q3652-01DL	TP-1DL	FE056926.D	19 Nov 2025 08:52		YP\AJ	Dilution
5	Q3652-01DL2	TP-1DL2	FE056927.D	19 Nov 2025 09:22		YP\AJ	Ok,M
6	Q3656-01DL	T2-GRAVELDL	FE056928.D	19 Nov 2025 09:52		YP\AJ	Dilution
7	Q3656-01DL2	Q3656-01DL2	FE056929.D	19 Nov 2025 10:22	Need more dilution	YP\AJ	Not Ok
8	Q3656-02DL	T2-GRAVEL-E2DL	FE056930.D	19 Nov 2025 10:52		YP\AJ	Dilution
9	Q3656-02DL2	T2-GRAVEL-E2DL2	FE056931.D	19 Nov 2025 11:22		YP\AJ	Ok
10	I.BLK	I.BLK	FE056932.D	19 Nov 2025 12:22		YP\AJ	Ok
11	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056933.D	19 Nov 2025 12:53		YP\AJ	Ok
12	PB170632BL	PB170632BL	FE056934.D	19 Nov 2025 14:09		YP\AJ	Ok
13	PB170632BS	PB170632BS	FE056935.D	19 Nov 2025 14:39		YP\AJ	Ok
14	PB170632BSD	PB170632BSD	FE056936.D	19 Nov 2025 15:09		YP\AJ	Ok
15	Q3662-04	B1-0.0-1.0-20251117	FE056937.D	19 Nov 2025 15:39		YP\AJ	Ok
16	Q3664-01	ARS20-0001	FE056938.D	19 Nov 2025 16:09		YP\AJ	Ok
17	Q3664-02	ARS20-0001-E2	FE056939.D	19 Nov 2025 16:40		YP\AJ	Ok
18	Q3664-03	ARS20-0013	FE056940.D	19 Nov 2025 17:10		YP\AJ	Ok

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE111925AL

Review By	rahul	Review On	11/19/2025 3:03:33 PM		
Supervise By	Sohil	Supervise On	11/20/2025 4:00:25 PM		
SubDirectory	FE111925AL	HP Acquire Method		HP Processing Method	FE103025AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q3664-04	ARS20-0013-E2	FE056941.D	19 Nov 2025 17:40		YP\AJ	Ok
20	Q3664-05	291399	FE056942.D	19 Nov 2025 18:10		YP\AJ	Ok
21	Q3664-06	291399-E2	FE056943.D	19 Nov 2025 18:40		YP\AJ	Ok
22	Q3669-01	EO-01-11182025	FE056944.D	19 Nov 2025 19:11	Need 2X	YP\AJ	Dilution
23	Q3669-01D	Q3669-01D	FE056945.D	19 Nov 2025 19:40		YP\AJ	Ok,M
24	Q3669-01MS	EO-01-11182025MS	FE056946.D	19 Nov 2025 20:11	FE056944.D	YP\AJ	Ok,M
25	Q3669-01MSD	EO-01-11182025MSD	FE056947.D	19 Nov 2025 20:41	FE056944.D!FE056946.D	YP\AJ	Ok,M
26	Q3669-02	EO-01-11182025-E2	FE056948.D	19 Nov 2025 21:11	Need 5X	YP\AJ	Dilution
27	Q3656-01DL2	Q3656-01DL2	FE056949.D	19 Nov 2025 21:41	Carry over	YP\AJ	Not Ok
28	I.BLK	I.BLK	FE056950.D	19 Nov 2025 22:42		YP\AJ	Ok
29	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056951.D	19 Nov 2025 23:12		YP\AJ	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB170632

SOP ID: MNJDEP-EPH-8

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH

Balance check: EH

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 11/19/2025

Extraction Start Time : 09:45

Extraction End Date : 11/19/2025

Extraction End Time : 13:55

Concentration By: EH

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	PP25005
Surrogate	1.0ML	100 PPM	PP25012
Fractionation Surrogate	1.0ML	100 PPM	PP24994
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	EP2659
Baked Na2SO4	N/A	EP2655
Sand	N/A	E3951
Hexane	N/A	E3984
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

KD Bath Temperature: N/A

Envap ID: N-EVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/19/25	RS (Ext-lab)	R. Post/PCB Lab
14:00	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB170632

Analytical Method: MNJDEP-EPH-8

Concentration Date: 11/19/2025

Sample ID	Client Sample ID	Test	1 g mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170632BL	PB170632BL	EPH_NF	30.01	N/A	ritesh	Evelyn	2			U3-1
PB170632BS	PB170632BS	EPH_NF	30.03	N/A	ritesh	Evelyn	2			2
PB170632BSD	PB170632BSD	EPH_NF	30.02	N/A	ritesh	Evelyn	2			3
Q3662-04	B3-0.0-1.0-20251117	EPH_NF	30.09	N/A	ritesh	Evelyn	2	A		4
Q3664-01	ARS20-0001	EPH_NF	30.08	N/A	ritesh	Evelyn	2	E	Concrete	5
Q3664-02	ARS20-0001-E2	EPH_NF	30.07	N/A	ritesh	Evelyn	2		Concrete	6
Q3664-03	ARS20-0013	EPH_NF	30.05	N/A	ritesh	Evelyn	2	E	Concrete	U4-1
Q3664-04	ARS20-0013-E2	EPH_NF	30.02	N/A	ritesh	Evelyn	2		Concrete	2
Q3664-05	291399	EPH_NF	30.03	N/A	ritesh	Evelyn	2	E	Concrete	3
Q3664-06	291399-E2	EPH_NF	30.06	N/A	ritesh	Evelyn	2		Concrete	4
Q3669-01	EO-01-11182025	EPH_NF	30.03	N/A	ritesh	Evelyn	2	F		5
Q3669-01DUP	EO-01-11182025DUP	EPH_NF	30.05	N/A	ritesh	Evelyn	2	F		6
Q3669-01MS	EO-01-11182025MS	EPH_NF	30.08	N/A	ritesh	Evelyn	2	F		U6-1
Q3669-01MSD	EO-01-11182025MSD	EPH_NF	30.04	N/A	ritesh	Evelyn	2	F		2
Q3669-02	EO-01-11182025-E2	EPH_NF	30.08	N/A	ritesh	Evelyn	2			3

RS 11/19

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

170632
9:45

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3669 **WorkList ID :** 193212 **Department :** Extraction **Date :** 11-19-2025 08:42:31

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3662-04	B3-0.0-1.0-20251117	Solid	EPH_NF	Cool 4 deg C	HDRI08	D41	11/17/2025	NJEPH
Q3664-01	ARS20-0001	Solid	EPH_NF	Cool 4 deg C	PSEG03	D31	11/18/2025	NJEPH
Q3664-02	ARS20-0001-E2	Solid	EPH_NF	Cool 4 deg C	PSEG03	D31	11/18/2025	NJEPH
Q3664-03	ARS20-0013	Solid	EPH_NF	Cool 4 deg C	PSEG03	D31	11/18/2025	NJEPH
Q3664-04	ARS20-0013-E2	Solid	EPH_NF	Cool 4 deg C	PSEG03	D31	11/18/2025	NJEPH
Q3664-05	291399	Solid	EPH_NF	Cool 4 deg C	PSEG03	D31	11/18/2025	NJEPH
Q3664-06	291399-E2	Solid	EPH_NF	Cool 4 deg C	PSEG03	D31	11/18/2025	NJEPH
Q3669-01	EO-01-11182025	Solid	EPH_NF	Cool 4 deg C	PSEG05	D41	11/18/2025	NJEPH
Q3669-02	EO-01-11182025-E2	Solid	EPH_NF	Cool 4 deg C	PSEG05	D41	11/18/2025	NJEPH

Date/Time 11/19/25 9:40
Raw Sample Received by: RJ (Ext lab)
Raw Sample Relinquished by:

Date/Time 11/19/25 10:05
Raw Sample Received by:
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:	Q3662	**OrderDate:**	11/18/2025 11:14:00 AM
Client:	HDR, Inc.	**Project:**	PVWC Linear Construction
Contact:	Andrew Wadden	**Location:**	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3662-04	**B1-0.0-1.0-20251117**	**Solid**			**11/17/25**			**11/18/25**
			EPH_NF	NJEPH		11/19/25	11/19/25	

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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q3662 **Order ID:** Q3662

Client: HDR, Inc. **Project ID:** PVWC Linear Construction

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : B3-0.0-1.0-20251117								
Q3662-02	B3-0.0-1.0-20251117	SOIL	Aluminum	6090		0.89	5.32	mg/Kg
Q3662-02	B3-0.0-1.0-20251117	SOIL	Arsenic	4.33		0.20	1.06	mg/Kg
Q3662-02	B3-0.0-1.0-20251117	SOIL	Barium	43.7		0.78	5.32	mg/Kg
Q3662-02	B3-0.0-1.0-20251117	SOIL	Beryllium	0.39		0.027	0.32	mg/Kg
Q3662-02	B3-0.0-1.0-20251117	SOIL	Cadmium	1.38		0.026	0.32	mg/Kg
Q3662-02	B3-0.0-1.0-20251117	SOIL	Calcium	2250		11.8	106	mg/Kg
Q3662-02	B3-0.0-1.0-20251117	SOIL	Chromium	12.7		0.050	0.53	mg/Kg
Q3662-02	B3-0.0-1.0-20251117	SOIL	Cobalt	4.80		0.11	1.60	mg/Kg
Q3662-02	B3-0.0-1.0-20251117	SOIL	Copper	32.2		0.23	1.06	mg/Kg
Q3662-02	B3-0.0-1.0-20251117	SOIL	Iron	14400		4.24	5.32	mg/Kg
Q3662-02	B3-0.0-1.0-20251117	SOIL	Lead	117		0.14	0.64	mg/Kg
Q3662-02	B3-0.0-1.0-20251117	SOIL	Magnesium	1110		12.8	106	mg/Kg
Q3662-02	B3-0.0-1.0-20251117	SOIL	Manganese	255		0.15	1.06	mg/Kg
Q3662-02	B3-0.0-1.0-20251117	SOIL	Mercury	0.18		0.0090	0.017	mg/Kg
Q3662-02	B3-0.0-1.0-20251117	SOIL	Nickel	13.8		0.14	2.13	mg/Kg
Q3662-02	B3-0.0-1.0-20251117	SOIL	Potassium	425		29.5	106	mg/Kg
Q3662-02	B3-0.0-1.0-20251117	SOIL	Sodium	124		18.9	106	mg/Kg
Q3662-02	B3-0.0-1.0-20251117	SOIL	Vanadium	19.4		0.27	2.13	mg/Kg
Q3662-02	B3-0.0-1.0-20251117	SOIL	Zinc	113		0.25	2.13	mg/Kg
Client ID : B1-0.0-1.0-20251117								
Q3662-04	B1-0.0-1.0-20251117	SOIL	Aluminum	4040		0.87	5.16	mg/Kg
Q3662-04	B1-0.0-1.0-20251117	SOIL	Arsenic	3.24		0.20	1.03	mg/Kg
Q3662-04	B1-0.0-1.0-20251117	SOIL	Barium	34.7		0.75	5.16	mg/Kg
Q3662-04	B1-0.0-1.0-20251117	SOIL	Beryllium	0.27	J	0.026	0.31	mg/Kg
Q3662-04	B1-0.0-1.0-20251117	SOIL	Cadmium	0.81		0.025	0.31	mg/Kg
Q3662-04	B1-0.0-1.0-20251117	SOIL	Calcium	1500		11.5	103	mg/Kg
Q3662-04	B1-0.0-1.0-20251117	SOIL	Chromium	8.41		0.048	0.52	mg/Kg
Q3662-04	B1-0.0-1.0-20251117	SOIL	Cobalt	4.64		0.10	1.55	mg/Kg
Q3662-04	B1-0.0-1.0-20251117	SOIL	Copper	26.7		0.23	1.03	mg/Kg
Q3662-04	B1-0.0-1.0-20251117	SOIL	Iron	8140		4.12	5.16	mg/Kg
Q3662-04	B1-0.0-1.0-20251117	SOIL	Lead	158		0.13	0.62	mg/Kg
Q3662-04	B1-0.0-1.0-20251117	SOIL	Magnesium	1010		12.4	103	mg/Kg
Q3662-04	B1-0.0-1.0-20251117	SOIL	Manganese	155		0.14	1.03	mg/Kg
Q3662-04	B1-0.0-1.0-20251117	SOIL	Mercury	0.12		0.0080	0.015	mg/Kg
Q3662-04	B1-0.0-1.0-20251117	SOIL	Nickel	9.30		0.13	2.06	mg/Kg
Q3662-04	B1-0.0-1.0-20251117	SOIL	Potassium	233		28.6	103	mg/Kg
Q3662-04	B1-0.0-1.0-20251117	SOIL	Sodium	67.4	J	18.4	103	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q3662 **Order ID:** Q3662

Client: HDR, Inc. **Project ID:** PVWC Linear Construction

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3662-04	B1-0.0-1.0-20251117	SOIL	Vanadium	15.5		0.26	2.06	mg/Kg
Q3662-04	B1-0.0-1.0-20251117	SOIL	Zinc	95.5		0.24	2.06	mg/Kg

SAMPLE DATA

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/17/25
Project:	PVWC Linear Construction	Date Received:	11/18/25
Client Sample ID:	B3-0.0-1.0-20251117	SDG No.:	Q3662
Lab Sample ID:	Q3662-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	84.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6090		1	0.89	5.32	mg/Kg	11/19/25 10:05	11/19/25 14:34	6010D	SW3050
7440-36-0	Antimony	0.23	UN	1	0.23	2.66	mg/Kg	11/19/25 10:05	11/19/25 14:34	6010D	SW3050
7440-38-2	Arsenic	4.33		1	0.20	1.06	mg/Kg	11/19/25 10:05	11/19/25 14:34	6010D	SW3050
7440-39-3	Barium	43.7		1	0.78	5.32	mg/Kg	11/19/25 10:05	11/19/25 14:34	6010D	SW3050
7440-41-7	Beryllium	0.39	N	1	0.027	0.32	mg/Kg	11/19/25 10:05	11/19/25 14:34	6010D	SW3050
7440-43-9	Cadmium	1.38		1	0.026	0.32	mg/Kg	11/19/25 10:05	11/19/25 14:34	6010D	SW3050
7440-70-2	Calcium	2250		1	11.8	106	mg/Kg	11/19/25 10:05	11/19/25 14:34	6010D	SW3050
7440-47-3	Chromium	12.7		1	0.050	0.53	mg/Kg	11/19/25 10:05	11/19/25 14:34	6010D	SW3050
7440-48-4	Cobalt	4.80		1	0.11	1.60	mg/Kg	11/19/25 10:05	11/19/25 14:34	6010D	SW3050
7440-50-8	Copper	32.2		1	0.23	1.06	mg/Kg	11/19/25 10:05	11/19/25 14:34	6010D	SW3050
7439-89-6	Iron	14400		1	4.24	5.32	mg/Kg	11/19/25 10:05	11/19/25 14:34	6010D	SW3050
7439-92-1	Lead	117	N*	1	0.14	0.64	mg/Kg	11/19/25 10:05	11/19/25 14:34	6010D	SW3050
7439-95-4	Magnesium	1110		1	12.8	106	mg/Kg	11/19/25 10:05	11/19/25 14:34	6010D	SW3050
7439-96-5	Manganese	255		1	0.15	1.06	mg/Kg	11/19/25 10:05	11/19/25 14:34	6010D	SW3050
7439-97-6	Mercury	0.18		1	0.0090	0.017	mg/Kg	11/19/25 08:10	11/19/25 10:12	7471B	M7471B
7440-02-0	Nickel	13.8		1	0.14	2.13	mg/Kg	11/19/25 10:05	11/19/25 14:34	6010D	SW3050
7440-09-7	Potassium	425		1	29.5	106	mg/Kg	11/19/25 10:05	11/19/25 14:34	6010D	SW3050
7782-49-2	Selenium	0.28	U	1	0.28	1.06	mg/Kg	11/19/25 10:05	11/19/25 14:34	6010D	SW3050
7440-22-4	Silver	0.13	UN	1	0.13	0.53	mg/Kg	11/19/25 10:05	11/19/25 14:34	6010D	SW3050
7440-23-5	Sodium	124	N	1	18.9	106	mg/Kg	11/19/25 10:05	11/19/25 14:34	6010D	SW3050
7440-28-0	Thallium	0.25	U	1	0.25	2.13	mg/Kg	11/19/25 10:05	11/19/25 14:34	6010D	SW3050
7440-62-2	Vanadium	19.4	N	1	0.27	2.13	mg/Kg	11/19/25 10:05	11/19/25 14:34	6010D	SW3050
7440-66-6	Zinc	113	N	1	0.25	2.13	mg/Kg	11/19/25 10:05	11/19/25 14:34	6010D	SW3050

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/17/25
Project:	PVWC Linear Construction	Date Received:	11/18/25
Client Sample ID:	B1-0.0-1.0-20251117	SDG No.:	Q3662
Lab Sample ID:	Q3662-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	88.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4040		1	0.87	5.16	mg/Kg	11/19/25 10:05	11/19/25 14:38	6010D	SW3050
7440-36-0	Antimony	0.23	UN	1	0.23	2.58	mg/Kg	11/19/25 10:05	11/19/25 14:38	6010D	SW3050
7440-38-2	Arsenic	3.24		1	0.20	1.03	mg/Kg	11/19/25 10:05	11/19/25 14:38	6010D	SW3050
7440-39-3	Barium	34.7		1	0.75	5.16	mg/Kg	11/19/25 10:05	11/19/25 14:38	6010D	SW3050
7440-41-7	Beryllium	0.27	JN	1	0.026	0.31	mg/Kg	11/19/25 10:05	11/19/25 14:38	6010D	SW3050
7440-43-9	Cadmium	0.81		1	0.025	0.31	mg/Kg	11/19/25 10:05	11/19/25 14:38	6010D	SW3050
7440-70-2	Calcium	1500		1	11.5	103	mg/Kg	11/19/25 10:05	11/19/25 14:38	6010D	SW3050
7440-47-3	Chromium	8.41		1	0.048	0.52	mg/Kg	11/19/25 10:05	11/19/25 14:38	6010D	SW3050
7440-48-4	Cobalt	4.64		1	0.10	1.55	mg/Kg	11/19/25 10:05	11/19/25 14:38	6010D	SW3050
7440-50-8	Copper	26.7		1	0.23	1.03	mg/Kg	11/19/25 10:05	11/19/25 14:38	6010D	SW3050
7439-89-6	Iron	8140		1	4.12	5.16	mg/Kg	11/19/25 10:05	11/19/25 14:38	6010D	SW3050
7439-92-1	Lead	158	N*	1	0.13	0.62	mg/Kg	11/19/25 10:05	11/19/25 14:38	6010D	SW3050
7439-95-4	Magnesium	1010		1	12.4	103	mg/Kg	11/19/25 10:05	11/19/25 14:38	6010D	SW3050
7439-96-5	Manganese	155		1	0.14	1.03	mg/Kg	11/19/25 10:05	11/19/25 14:38	6010D	SW3050
7439-97-6	Mercury	0.12		1	0.0080	0.015	mg/Kg	11/19/25 08:10	11/19/25 10:15	7471B	M7471B
7440-02-0	Nickel	9.30		1	0.13	2.06	mg/Kg	11/19/25 10:05	11/19/25 14:38	6010D	SW3050
7440-09-7	Potassium	233		1	28.6	103	mg/Kg	11/19/25 10:05	11/19/25 14:38	6010D	SW3050
7782-49-2	Selenium	0.27	U	1	0.27	1.03	mg/Kg	11/19/25 10:05	11/19/25 14:38	6010D	SW3050
7440-22-4	Silver	0.12	UN	1	0.12	0.52	mg/Kg	11/19/25 10:05	11/19/25 14:38	6010D	SW3050
7440-23-5	Sodium	67.4	JN	1	18.4	103	mg/Kg	11/19/25 10:05	11/19/25 14:38	6010D	SW3050
7440-28-0	Thallium	0.24	U	1	0.24	2.06	mg/Kg	11/19/25 10:05	11/19/25 14:38	6010D	SW3050
7440-62-2	Vanadium	15.5	N	1	0.26	2.06	mg/Kg	11/19/25 10:05	11/19/25 14:38	6010D	SW3050
7440-66-6	Zinc	95.5	N	1	0.24	2.06	mg/Kg	11/19/25 10:05	11/19/25 14:38	6010D	SW3050

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB121	Mercury	0.076	+/-0.2	U	0.20	CV	11/19/2025	09:54	LB137962

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB12	Mercury	0.076	+/-0.2	U	0.20	CV	11/19/2025	09:59	LB137962
CCB13	Mercury	0.076	+/-0.2	U	0.20	CV	11/19/2025	10:26	LB137962
CCB14	Mercury	0.076	+/-0.2	U	0.20	CV	11/19/2025	10:44	LB137962

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	11.3	+/-50	U	100	P	11/19/2025	12:53	LB137974
	Antimony	6.76	+/-25	U	50.0	P	11/19/2025	12:53	LB137974
	Arsenic	5.12	+/-10	U	20.0	P	11/19/2025	12:53	LB137974
	Barium	14.6	+/-50	U	100	P	11/19/2025	12:53	LB137974
	Beryllium	0.56	+/-3	U	6.00	P	11/19/2025	12:53	LB137974
	Cadmium	0.50	+/-3	U	6.00	P	11/19/2025	12:53	LB137974
	Calcium	234	+/-1000	U	2000	P	11/19/2025	12:53	LB137974
	Chromium	2.12	+/-5	U	10.0	P	11/19/2025	12:53	LB137974
	Cobalt	2.26	+/-15	U	30.0	P	11/19/2025	12:53	LB137974
	Copper	4.60	+/-10	U	20.0	P	11/19/2025	12:53	LB137974
	Iron	23.4	+/-50	U	100	P	11/19/2025	12:53	LB137974
	Lead	2.30	+/-6	U	12.0	P	11/19/2025	12:53	LB137974
	Magnesium	244	+/-1000	U	2000	P	11/19/2025	12:53	LB137974
	Manganese	5.94	+/-10	U	20.0	P	11/19/2025	12:53	LB137974
	Nickel	3.06	+/-20	U	40.0	P	11/19/2025	12:53	LB137974
	Potassium	918	+/-1000	U	2000	P	11/19/2025	12:53	LB137974
	Selenium	9.64	+/-10	U	20.0	P	11/19/2025	12:53	LB137974
	Silver	1.62	+/-5	U	10.0	P	11/19/2025	12:53	LB137974
	Sodium	868	+/-1000	U	2000	P	11/19/2025	12:53	LB137974
	Thallium	6.49	+/-20	J	40.0	P	11/19/2025	12:53	LB137974
	Vanadium	6.26	+/-20	U	40.0	P	11/19/2025	12:53	LB137974
	Zinc	16.7	+/-20	U	40.0	P	11/19/2025	12:53	LB137974

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	11.3	+/-50	U	100	P	11/19/2025	13:23	LB137974
	Antimony	6.76	+/-25	U	50.0	P	11/19/2025	13:23	LB137974
	Arsenic	5.12	+/-10	U	20.0	P	11/19/2025	13:23	LB137974
	Barium	14.6	+/-50	U	100	P	11/19/2025	13:23	LB137974
	Beryllium	0.56	+/-3	U	6.00	P	11/19/2025	13:23	LB137974
	Cadmium	0.50	+/-3	U	6.00	P	11/19/2025	13:23	LB137974
	Calcium	234	+/-1000	U	2000	P	11/19/2025	13:23	LB137974
	Chromium	2.12	+/-5	U	10.0	P	11/19/2025	13:23	LB137974
	Cobalt	2.26	+/-15	U	30.0	P	11/19/2025	13:23	LB137974
	Copper	4.60	+/-10	U	20.0	P	11/19/2025	13:23	LB137974
	Iron	23.4	+/-50	U	100	P	11/19/2025	13:23	LB137974
	Lead	2.30	+/-6	U	12.0	P	11/19/2025	13:23	LB137974
	Magnesium	244	+/-1000	U	2000	P	11/19/2025	13:23	LB137974
	Manganese	5.94	+/-10	U	20.0	P	11/19/2025	13:23	LB137974
	Nickel	3.06	+/-20	U	40.0	P	11/19/2025	13:23	LB137974
	Potassium	918	+/-1000	U	2000	P	11/19/2025	13:23	LB137974
	Selenium	9.64	+/-10	U	20.0	P	11/19/2025	13:23	LB137974
	Silver	1.62	+/-5	U	10.0	P	11/19/2025	13:23	LB137974
	Sodium	868	+/-1000	U	2000	P	11/19/2025	13:23	LB137974
	Thallium	4.38	+/-20	U	40.0	P	11/19/2025	13:23	LB137974
	Vanadium	6.26	+/-20	U	40.0	P	11/19/2025	13:23	LB137974
	Zinc	16.7	+/-20	U	40.0	P	11/19/2025	13:23	LB137974
CCB02	Aluminum	11.3	+/-50	U	100	P	11/19/2025	15:00	LB137974
	Antimony	6.76	+/-25	U	50.0	P	11/19/2025	15:00	LB137974
	Arsenic	5.12	+/-10	U	20.0	P	11/19/2025	15:00	LB137974
	Barium	14.6	+/-50	U	100	P	11/19/2025	15:00	LB137974
	Beryllium	0.56	+/-3	U	6.00	P	11/19/2025	15:00	LB137974
	Cadmium	0.50	+/-3	U	6.00	P	11/19/2025	15:00	LB137974
	Calcium	234	+/-1000	U	2000	P	11/19/2025	15:00	LB137974
	Chromium	2.12	+/-5	U	10.0	P	11/19/2025	15:00	LB137974
	Cobalt	2.26	+/-15	U	30.0	P	11/19/2025	15:00	LB137974
	Copper	4.60	+/-10	U	20.0	P	11/19/2025	15:00	LB137974
	Iron	23.4	+/-50	U	100	P	11/19/2025	15:00	LB137974
	Lead	2.30	+/-6	U	12.0	P	11/19/2025	15:00	LB137974
	Magnesium	244	+/-1000	U	2000	P	11/19/2025	15:00	LB137974
	Manganese	5.94	+/-10	U	20.0	P	11/19/2025	15:00	LB137974
	Nickel	3.06	+/-20	U	40.0	P	11/19/2025	15:00	LB137974
	Potassium	918	+/-1000	U	2000	P	11/19/2025	15:00	LB137974
	Selenium	9.64	+/-10	U	20.0	P	11/19/2025	15:00	LB137974

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	1.62	+/-5	U	10.0	P	11/19/2025	15:00	LB137974
	Sodium	868	+/-1000	U	2000	P	11/19/2025	15:00	LB137974
	Thallium	4.38	+/-20	U	40.0	P	11/19/2025	15:00	LB137974
	Vanadium	6.26	+/-20	U	40.0	P	11/19/2025	15:00	LB137974
	Zinc	16.7	+/-20	U	40.0	P	11/19/2025	15:00	LB137974
CCB03	Aluminum	11.3	+/-50	U	100	P	11/19/2025	16:18	LB137974
	Antimony	6.76	+/-25	U	50.0	P	11/19/2025	16:18	LB137974
	Arsenic	5.12	+/-10	U	20.0	P	11/19/2025	16:18	LB137974
	Barium	14.6	+/-50	U	100	P	11/19/2025	16:18	LB137974
	Beryllium	0.56	+/-3	U	6.00	P	11/19/2025	16:18	LB137974
	Cadmium	0.50	+/-3	U	6.00	P	11/19/2025	16:18	LB137974
	Calcium	234	+/-1000	U	2000	P	11/19/2025	16:18	LB137974
	Chromium	2.12	+/-5	U	10.0	P	11/19/2025	16:18	LB137974
	Cobalt	2.26	+/-15	U	30.0	P	11/19/2025	16:18	LB137974
	Copper	4.60	+/-10	U	20.0	P	11/19/2025	16:18	LB137974
	Iron	23.4	+/-50	U	100	P	11/19/2025	16:18	LB137974
	Lead	2.30	+/-6	U	12.0	P	11/19/2025	16:18	LB137974
	Magnesium	244	+/-1000	U	2000	P	11/19/2025	16:18	LB137974
	Manganese	5.94	+/-10	U	20.0	P	11/19/2025	16:18	LB137974
	Nickel	3.06	+/-20	U	40.0	P	11/19/2025	16:18	LB137974
	Potassium	918	+/-1000	U	2000	P	11/19/2025	16:18	LB137974
	Selenium	9.64	+/-10	U	20.0	P	11/19/2025	16:18	LB137974
	Silver	1.62	+/-5	U	10.0	P	11/19/2025	16:18	LB137974
	Sodium	868	+/-1000	U	2000	P	11/19/2025	16:18	LB137974
	Thallium	4.38	+/-20	U	40.0	P	11/19/2025	16:18	LB137974
	Vanadium	6.26	+/-20	U	40.0	P	11/19/2025	16:18	LB137974
	Zinc	16.7	+/-20	U	40.0	P	11/19/2025	16:18	LB137974
CCB04	Aluminum	11.3	+/-50	U	100	P	11/19/2025	17:09	LB137974
	Antimony	6.76	+/-25	U	50.0	P	11/19/2025	17:09	LB137974
	Arsenic	5.12	+/-10	U	20.0	P	11/19/2025	17:09	LB137974
	Barium	14.6	+/-50	U	100	P	11/19/2025	17:09	LB137974
	Beryllium	0.56	+/-3	U	6.00	P	11/19/2025	17:09	LB137974
	Cadmium	0.50	+/-3	U	6.00	P	11/19/2025	17:09	LB137974
	Calcium	234	+/-1000	U	2000	P	11/19/2025	17:09	LB137974
	Chromium	2.12	+/-5	U	10.0	P	11/19/2025	17:09	LB137974
	Cobalt	2.26	+/-15	U	30.0	P	11/19/2025	17:09	LB137974
	Copper	4.60	+/-10	U	20.0	P	11/19/2025	17:09	LB137974
	Iron	23.4	+/-50	U	100	P	11/19/2025	17:09	LB137974
	Lead	2.30	+/-6	U	12.0	P	11/19/2025	17:09	LB137974

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	244	+/-1000	U	2000	P	11/19/2025	17:09	LB137974
	Manganese	5.94	+/-10	U	20.0	P	11/19/2025	17:09	LB137974
	Nickel	3.06	+/-20	U	40.0	P	11/19/2025	17:09	LB137974
	Potassium	918	+/-1000	U	2000	P	11/19/2025	17:09	LB137974
	Selenium	9.64	+/-10	U	20.0	P	11/19/2025	17:09	LB137974
	Silver	1.62	+/-5	U	10.0	P	11/19/2025	17:09	LB137974
	Sodium	868	+/-1000	U	2000	P	11/19/2025	17:09	LB137974
	Thallium	4.38	+/-20	U	40.0	P	11/19/2025	17:09	LB137974
	Vanadium	6.26	+/-20	U	40.0	P	11/19/2025	17:09	LB137974
	Zinc	16.7	+/-20	U	40.0	P	11/19/2025	17:09	LB137974
CCB05	Aluminum	11.3	+/-50	U	100	P	11/19/2025	18:11	LB137974
	Antimony	6.76	+/-25	U	50.0	P	11/19/2025	18:11	LB137974
	Arsenic	5.12	+/-10	U	20.0	P	11/19/2025	18:11	LB137974
	Barium	14.6	+/-50	U	100	P	11/19/2025	18:11	LB137974
	Beryllium	0.56	+/-3	U	6.00	P	11/19/2025	18:11	LB137974
	Cadmium	0.50	+/-3	U	6.00	P	11/19/2025	18:11	LB137974
	Calcium	234	+/-1000	U	2000	P	11/19/2025	18:11	LB137974
	Chromium	2.12	+/-5	U	10.0	P	11/19/2025	18:11	LB137974
	Cobalt	2.26	+/-15	U	30.0	P	11/19/2025	18:11	LB137974
	Copper	4.60	+/-10	U	20.0	P	11/19/2025	18:11	LB137974
	Iron	23.4	+/-50	U	100	P	11/19/2025	18:11	LB137974
	Lead	2.30	+/-6	U	12.0	P	11/19/2025	18:11	LB137974
	Magnesium	244	+/-1000	U	2000	P	11/19/2025	18:11	LB137974
	Manganese	5.94	+/-10	U	20.0	P	11/19/2025	18:11	LB137974
	Nickel	3.06	+/-20	U	40.0	P	11/19/2025	18:11	LB137974
	Potassium	918	+/-1000	U	2000	P	11/19/2025	18:11	LB137974
	Selenium	9.64	+/-10	U	20.0	P	11/19/2025	18:11	LB137974
	Silver	1.62	+/-5	U	10.0	P	11/19/2025	18:11	LB137974
	Sodium	868	+/-1000	U	2000	P	11/19/2025	18:11	LB137974
	Thallium	4.38	+/-20	U	40.0	P	11/19/2025	18:11	LB137974
	Vanadium	6.26	+/-20	U	40.0	P	11/19/2025	18:11	LB137974
	Zinc	16.7	+/-20	U	40.0	P	11/19/2025	18:11	LB137974
CCB06	Aluminum	15.2	+/-50	J	100	P	11/19/2025	18:42	LB137974
	Antimony	6.76	+/-25	U	50.0	P	11/19/2025	18:42	LB137974
	Arsenic	5.12	+/-10	U	20.0	P	11/19/2025	18:42	LB137974
	Barium	14.6	+/-50	U	100	P	11/19/2025	18:42	LB137974
	Beryllium	0.56	+/-3	U	6.00	P	11/19/2025	18:42	LB137974
	Cadmium	0.50	+/-3	U	6.00	P	11/19/2025	18:42	LB137974
	Calcium	234	+/-1000	U	2000	P	11/19/2025	18:42	LB137974

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	2.12	+/-5	U	10.0	P	11/19/2025	18:42	LB137974
	Cobalt	2.26	+/-15	U	30.0	P	11/19/2025	18:42	LB137974
	Copper	4.60	+/-10	U	20.0	P	11/19/2025	18:42	LB137974
	Iron	23.4	+/-50	U	100	P	11/19/2025	18:42	LB137974
	Lead	2.30	+/-6	U	12.0	P	11/19/2025	18:42	LB137974
	Magnesium	244	+/-1000	U	2000	P	11/19/2025	18:42	LB137974
	Manganese	5.94	+/-10	U	20.0	P	11/19/2025	18:42	LB137974
	Nickel	3.06	+/-20	U	40.0	P	11/19/2025	18:42	LB137974
	Potassium	918	+/-1000	U	2000	P	11/19/2025	18:42	LB137974
	Selenium	9.64	+/-10	U	20.0	P	11/19/2025	18:42	LB137974
	Silver	1.62	+/-5	U	10.0	P	11/19/2025	18:42	LB137974
	Sodium	868	+/-1000	U	2000	P	11/19/2025	18:42	LB137974
	Thallium	4.38	+/-20	U	40.0	P	11/19/2025	18:42	LB137974
	Vanadium	6.26	+/-20	U	40.0	P	11/19/2025	18:42	LB137974
	Zinc	16.7	+/-20	U	40.0	P	11/19/2025	18:42	LB137974

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3662

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB170614BL		**SOLID**		**Batch Number:**	**PB170614**		**Prep Date:**	**11/19/2025**	
	Mercury	0.0080	<0.014	U	0.014	CV	11/19/2025	10:08	LB137962

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Metals
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PREPARATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3662

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB170617BL		**SOLID**		**Batch Number:**	**PB170617**		**Prep Date:**	**11/19/2025**	
	Aluminum	0.84	<2.5	U	5.00	P	11/19/2025	13:27	LB137974
	Antimony	0.22	<1.25	U	2.50	P	11/19/2025	13:27	LB137974
	Arsenic	0.19	<0.5	U	1.00	P	11/19/2025	13:27	LB137974
	Barium	0.73	<2.5	U	5.00	P	11/19/2025	13:27	LB137974
	Beryllium	0.025	<0.15	U	0.30	P	11/19/2025	13:27	LB137974
	Cadmium	0.024	<0.15	U	0.30	P	11/19/2025	13:27	LB137974
	Calcium	11.1	<50	U	100	P	11/19/2025	13:27	LB137974
	Chromium	0.047	<0.25	U	0.50	P	11/19/2025	13:27	LB137974
	Cobalt	0.10	<0.75	U	1.50	P	11/19/2025	13:27	LB137974
	Copper	0.22	<0.5	U	1.00	P	11/19/2025	13:27	LB137974
	Iron	3.99	<2.5	U	5.00	P	11/19/2025	13:27	LB137974
	Lead	0.13	<0.3	U	0.60	P	11/19/2025	13:27	LB137974
	Magnesium	12.0	<50	U	100	P	11/19/2025	13:27	LB137974
	Manganese	0.14	<0.5	U	1.00	P	11/19/2025	13:27	LB137974
	Nickel	0.13	<1	U	2.00	P	11/19/2025	13:27	LB137974
	Potassium	27.7	<50	U	100	P	11/19/2025	13:27	LB137974
	Selenium	0.26	<0.5	U	1.00	P	11/19/2025	13:27	LB137974
	Silver	0.12	<0.25	U	0.50	P	11/19/2025	13:27	LB137974
	Sodium	17.8	<50	U	100	P	11/19/2025	13:27	LB137974
	Thallium	0.23	<1	U	2.00	P	11/19/2025	13:27	LB137974
	Vanadium	0.25	<1	U	2.00	P	11/19/2025	13:27	LB137974
	Zinc	0.23	<1	U	2.00	P	11/19/2025	13:27	LB137974

METAL CALIBRATION DATA

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc.
SDG No.: Q3662
Contract: HDRI08
Lab Code: ACE
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV121	Mercury	3.97	4.0	99	90 - 110	CV	11/19/2025	09:52	LB137962

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc.

SDG No.: Q3662

Contract: HDRI08

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV12	Mercury	4.94	5.0	99	90 - 110	CV	11/19/2025	09:57	LB137962
CCV13	Mercury	4.87	5.0	97	90 - 110	CV	11/19/2025	10:24	LB137962
CCV14	Mercury	4.81	5.0	96	90 - 110	CV	11/19/2025	10:42	LB137962

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	7910	8000	99	90 - 110	P	11/19/2025	12:45	LB137974
	Antimony	3960	4000	99	90 - 110	P	11/19/2025	12:45	LB137974
	Arsenic	3860	4000	96	90 - 110	P	11/19/2025	12:45	LB137974
	Barium	8100	8000	101	90 - 110	P	11/19/2025	12:45	LB137974
	Beryllium	199	200	99	90 - 110	P	11/19/2025	12:45	LB137974
	Cadmium	1920	2000	96	90 - 110	P	11/19/2025	12:45	LB137974
	Calcium	19800	20000	99	90 - 110	P	11/19/2025	12:45	LB137974
	Chromium	787	800	98	90 - 110	P	11/19/2025	12:45	LB137974
	Cobalt	1940	2000	97	90 - 110	P	11/19/2025	12:45	LB137974
	Copper	993	1000	99	90 - 110	P	11/19/2025	12:45	LB137974
	Iron	3940	4000	98	90 - 110	P	11/19/2025	12:45	LB137974
	Lead	3820	4000	96	90 - 110	P	11/19/2025	12:45	LB137974
	Magnesium	19600	20000	98	90 - 110	P	11/19/2025	12:45	LB137974
	Manganese	2000	2000	100	90 - 110	P	11/19/2025	12:45	LB137974
	Nickel	1950	2000	97	90 - 110	P	11/19/2025	12:45	LB137974
	Potassium	19500	20000	98	90 - 110	P	11/19/2025	12:45	LB137974
	Selenium	3860	4000	96	90 - 110	P	11/19/2025	12:45	LB137974
	Silver	1030	1000	103	90 - 110	P	11/19/2025	12:45	LB137974
	Sodium	19400	20000	97	90 - 110	P	11/19/2025	12:45	LB137974
	Thallium	3880	4000	97	90 - 110	P	11/19/2025	12:45	LB137974
	Vanadium	1980	2000	99	90 - 110	P	11/19/2025	12:45	LB137974
	Zinc	1970	2000	98	90 - 110	P	11/19/2025	12:45	LB137974

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	116	100	116	80 - 120	P	11/19/2025	12:49	LB137974
	Antimony	49.5	50.0	99	80 - 120	P	11/19/2025	12:49	LB137974
	Arsenic	22.2	20.0	111	80 - 120	P	11/19/2025	12:49	LB137974
	Barium	103	100	103	80 - 120	P	11/19/2025	12:49	LB137974
	Beryllium	6.42	6.0	107	80 - 120	P	11/19/2025	12:49	LB137974
	Cadmium	5.94	6.0	99	80 - 120	P	11/19/2025	12:49	LB137974
	Calcium	2110	2000	106	80 - 120	P	11/19/2025	12:49	LB137974
	Chromium	10.2	10.0	102	80 - 120	P	11/19/2025	12:49	LB137974
	Cobalt	29.6	30.0	98	80 - 120	P	11/19/2025	12:49	LB137974
	Copper	21.1	20.0	106	80 - 120	P	11/19/2025	12:49	LB137974
	Iron	119	100	119	80 - 120	P	11/19/2025	12:49	LB137974
	Lead	11.4	12.0	95	80 - 120	P	11/19/2025	12:49	LB137974
	Magnesium	2150	2000	108	80 - 120	P	11/19/2025	12:49	LB137974
	Manganese	21.7	20.0	109	80 - 120	P	11/19/2025	12:49	LB137974
	Nickel	40.2	40.0	100	80 - 120	P	11/19/2025	12:49	LB137974
	Potassium	1940	2000	97	80 - 120	P	11/19/2025	12:49	LB137974
	Selenium	19.8	20.0	99	80 - 120	P	11/19/2025	12:49	LB137974
	Silver	11.0	10.0	110	80 - 120	P	11/19/2025	12:49	LB137974
	Sodium	1690	2000	85	80 - 120	P	11/19/2025	12:49	LB137974
	Thallium	46.7	40.0	117	80 - 120	P	11/19/2025	12:49	LB137974
	Vanadium	40.3	40.0	101	80 - 120	P	11/19/2025	12:49	LB137974
	Zinc	44.2	40.0	110	80 - 120	P	11/19/2025	12:49	LB137974

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	9580	10000	96	90 - 110	P	11/19/2025	13:19	LB137974
	Antimony	4690	5000	94	90 - 110	P	11/19/2025	13:19	LB137974
	Arsenic	4700	5000	94	90 - 110	P	11/19/2025	13:19	LB137974
	Barium	9560	10000	96	90 - 110	P	11/19/2025	13:19	LB137974
	Beryllium	240	250	96	90 - 110	P	11/19/2025	13:19	LB137974
	Cadmium	2330	2500	93	90 - 110	P	11/19/2025	13:19	LB137974
	Calcium	23800	25000	95	90 - 110	P	11/19/2025	13:19	LB137974
	Chromium	965	1000	96	90 - 110	P	11/19/2025	13:19	LB137974
	Cobalt	2330	2500	93	90 - 110	P	11/19/2025	13:19	LB137974
	Copper	1180	1250	94	90 - 110	P	11/19/2025	13:19	LB137974
	Iron	4790	5000	96	90 - 110	P	11/19/2025	13:19	LB137974
	Lead	4680	5000	94	90 - 110	P	11/19/2025	13:19	LB137974
	Magnesium	23700	25000	95	90 - 110	P	11/19/2025	13:19	LB137974
	Manganese	2380	2500	95	90 - 110	P	11/19/2025	13:19	LB137974
	Nickel	2340	2500	93	90 - 110	P	11/19/2025	13:19	LB137974
	Potassium	23700	25000	95	90 - 110	P	11/19/2025	13:19	LB137974
	Selenium	4700	5000	94	90 - 110	P	11/19/2025	13:19	LB137974
	Silver	1200	1250	96	90 - 110	P	11/19/2025	13:19	LB137974
	Sodium	23200	25000	93	90 - 110	P	11/19/2025	13:19	LB137974
	Thallium	4870	5000	97	90 - 110	P	11/19/2025	13:19	LB137974
	Vanadium	2390	2500	96	90 - 110	P	11/19/2025	13:19	LB137974
	Zinc	2420	2500	97	90 - 110	P	11/19/2025	13:19	LB137974
CCV02	Aluminum	10300	10000	102	90 - 110	P	11/19/2025	14:56	LB137974
	Antimony	5010	5000	100	90 - 110	P	11/19/2025	14:56	LB137974
	Arsenic	5020	5000	100	90 - 110	P	11/19/2025	14:56	LB137974
	Barium	10200	10000	102	90 - 110	P	11/19/2025	14:56	LB137974
	Beryllium	250	250	100	90 - 110	P	11/19/2025	14:56	LB137974
	Cadmium	2500	2500	100	90 - 110	P	11/19/2025	14:56	LB137974
	Calcium	25400	25000	102	90 - 110	P	11/19/2025	14:56	LB137974
	Chromium	1030	1000	103	90 - 110	P	11/19/2025	14:56	LB137974
	Cobalt	2500	2500	100	90 - 110	P	11/19/2025	14:56	LB137974
	Copper	1260	1250	101	90 - 110	P	11/19/2025	14:56	LB137974
	Iron	5120	5000	102	90 - 110	P	11/19/2025	14:56	LB137974
	Lead	5000	5000	100	90 - 110	P	11/19/2025	14:56	LB137974

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	25300	25000	101	90 - 110	P	11/19/2025	14:56	LB137974
	Manganese	2520	2500	101	90 - 110	P	11/19/2025	14:56	LB137974
	Nickel	2500	2500	100	90 - 110	P	11/19/2025	14:56	LB137974
	Potassium	25100	25000	100	90 - 110	P	11/19/2025	14:56	LB137974
	Selenium	5000	5000	100	90 - 110	P	11/19/2025	14:56	LB137974
	Silver	1260	1250	101	90 - 110	P	11/19/2025	14:56	LB137974
	Sodium	24400	25000	97	90 - 110	P	11/19/2025	14:56	LB137974
	Thallium	4870	5000	98	90 - 110	P	11/19/2025	14:56	LB137974
	Vanadium	2560	2500	102	90 - 110	P	11/19/2025	14:56	LB137974
	Zinc	2530	2500	101	90 - 110	P	11/19/2025	14:56	LB137974
CCV03	Aluminum	10000	10000	100	90 - 110	P	11/19/2025	16:14	LB137974
	Antimony	5130	5000	103	90 - 110	P	11/19/2025	16:14	LB137974
	Arsenic	5120	5000	102	90 - 110	P	11/19/2025	16:14	LB137974
	Barium	9980	10000	100	90 - 110	P	11/19/2025	16:14	LB137974
	Beryllium	241	250	96	90 - 110	P	11/19/2025	16:14	LB137974
	Cadmium	2500	2500	100	90 - 110	P	11/19/2025	16:14	LB137974
	Calcium	24700	25000	99	90 - 110	P	11/19/2025	16:14	LB137974
	Chromium	1020	1000	102	90 - 110	P	11/19/2025	16:14	LB137974
	Cobalt	2500	2500	100	90 - 110	P	11/19/2025	16:14	LB137974
	Copper	1290	1250	103	90 - 110	P	11/19/2025	16:14	LB137974
	Iron	5200	5000	104	90 - 110	P	11/19/2025	16:14	LB137974
	Lead	5040	5000	101	90 - 110	P	11/19/2025	16:14	LB137974
	Magnesium	24500	25000	98	90 - 110	P	11/19/2025	16:14	LB137974
	Manganese	2450	2500	98	90 - 110	P	11/19/2025	16:14	LB137974
	Nickel	2500	2500	100	90 - 110	P	11/19/2025	16:14	LB137974
	Potassium	25600	25000	103	90 - 110	P	11/19/2025	16:14	LB137974
	Selenium	5140	5000	103	90 - 110	P	11/19/2025	16:14	LB137974
	Silver	1280	1250	102	90 - 110	P	11/19/2025	16:14	LB137974
	Sodium	24800	25000	99	90 - 110	P	11/19/2025	16:14	LB137974
	Thallium	4830	5000	97	90 - 110	P	11/19/2025	16:14	LB137974
	Vanadium	2520	2500	101	90 - 110	P	11/19/2025	16:14	LB137974
	Zinc	2510	2500	100	90 - 110	P	11/19/2025	16:14	LB137974
CCV04	Aluminum	9770	10000	98	90 - 110	P	11/19/2025	17:05	LB137974
	Antimony	4990	5000	100	90 - 110	P	11/19/2025	17:05	LB137974

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	5040	5000	101	90 - 110	P	11/19/2025	17:05	LB137974
	Barium	9560	10000	96	90 - 110	P	11/19/2025	17:05	LB137974
	Beryllium	241	250	97	90 - 110	P	11/19/2025	17:05	LB137974
	Cadmium	2450	2500	98	90 - 110	P	11/19/2025	17:05	LB137974
	Calcium	24200	25000	97	90 - 110	P	11/19/2025	17:05	LB137974
	Chromium	1000	1000	100	90 - 110	P	11/19/2025	17:05	LB137974
	Cobalt	2450	2500	98	90 - 110	P	11/19/2025	17:05	LB137974
	Copper	1250	1250	100	90 - 110	P	11/19/2025	17:05	LB137974
	Iron	5010	5000	100	90 - 110	P	11/19/2025	17:05	LB137974
	Lead	4960	5000	99	90 - 110	P	11/19/2025	17:05	LB137974
	Magnesium	24000	25000	96	90 - 110	P	11/19/2025	17:05	LB137974
	Manganese	2400	2500	96	90 - 110	P	11/19/2025	17:05	LB137974
	Nickel	2460	2500	98	90 - 110	P	11/19/2025	17:05	LB137974
	Potassium	24900	25000	100	90 - 110	P	11/19/2025	17:05	LB137974
	Selenium	5020	5000	100	90 - 110	P	11/19/2025	17:05	LB137974
	Silver	1250	1250	100	90 - 110	P	11/19/2025	17:05	LB137974
	Sodium	25000	25000	100	90 - 110	P	11/19/2025	17:05	LB137974
	Thallium	4600	5000	92	90 - 110	P	11/19/2025	17:05	LB137974
	Vanadium	2450	2500	98	90 - 110	P	11/19/2025	17:05	LB137974
	Zinc	2460	2500	98	90 - 110	P	11/19/2025	17:05	LB137974
CCV05	Aluminum	10300	10000	103	90 - 110	P	11/19/2025	18:07	LB137974
	Antimony	5160	5000	103	90 - 110	P	11/19/2025	18:07	LB137974
	Arsenic	5200	5000	104	90 - 110	P	11/19/2025	18:07	LB137974
	Barium	10000	10000	100	90 - 110	P	11/19/2025	18:07	LB137974
	Beryllium	251	250	100	90 - 110	P	11/19/2025	18:07	LB137974
	Cadmium	2560	2500	102	90 - 110	P	11/19/2025	18:07	LB137974
	Calcium	25400	25000	102	90 - 110	P	11/19/2025	18:07	LB137974
	Chromium	1070	1000	107	90 - 110	P	11/19/2025	18:07	LB137974
	Cobalt	2550	2500	102	90 - 110	P	11/19/2025	18:07	LB137974
	Copper	1300	1250	104	90 - 110	P	11/19/2025	18:07	LB137974
	Iron	5410	5000	108	90 - 110	P	11/19/2025	18:07	LB137974
	Lead	5150	5000	103	90 - 110	P	11/19/2025	18:07	LB137974
	Magnesium	25300	25000	101	90 - 110	P	11/19/2025	18:07	LB137974
	Manganese	2520	2500	101	90 - 110	P	11/19/2025	18:07	LB137974

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	2550	2500	102	90 - 110	P	11/19/2025	18:07	LB137974
	Potassium	26700	25000	107	90 - 110	P	11/19/2025	18:07	LB137974
	Selenium	5170	5000	104	90 - 110	P	11/19/2025	18:07	LB137974
	Silver	1340	1250	107	90 - 110	P	11/19/2025	18:07	LB137974
	Sodium	26300	25000	105	90 - 110	P	11/19/2025	18:07	LB137974
	Thallium	4670	5000	93	90 - 110	P	11/19/2025	18:07	LB137974
	Vanadium	2570	2500	103	90 - 110	P	11/19/2025	18:07	LB137974
	Zinc	2620	2500	105	90 - 110	P	11/19/2025	18:07	LB137974
CCV06	Aluminum	9510	10000	95	90 - 110	P	11/19/2025	18:35	LB137974
	Antimony	4950	5000	99	90 - 110	P	11/19/2025	18:35	LB137974
	Arsenic	4980	5000	100	90 - 110	P	11/19/2025	18:35	LB137974
	Barium	9380	10000	94	90 - 110	P	11/19/2025	18:35	LB137974
	Beryllium	229	250	92	90 - 110	P	11/19/2025	18:35	LB137974
	Cadmium	2420	2500	97	90 - 110	P	11/19/2025	18:35	LB137974
	Calcium	23500	25000	94	90 - 110	P	11/19/2025	18:35	LB137974
	Chromium	964	1000	96	90 - 110	P	11/19/2025	18:35	LB137974
	Cobalt	2420	2500	97	90 - 110	P	11/19/2025	18:35	LB137974
	Copper	1240	1250	99	90 - 110	P	11/19/2025	18:35	LB137974
	Iron	4940	5000	99	90 - 110	P	11/19/2025	18:35	LB137974
	Lead	4900	5000	98	90 - 110	P	11/19/2025	18:35	LB137974
	Magnesium	23300	25000	93	90 - 110	P	11/19/2025	18:35	LB137974
	Manganese	2330	2500	93	90 - 110	P	11/19/2025	18:35	LB137974
	Nickel	2420	2500	97	90 - 110	P	11/19/2025	18:35	LB137974
	Potassium	24300	25000	97	90 - 110	P	11/19/2025	18:35	LB137974
	Selenium	4970	5000	99	90 - 110	P	11/19/2025	18:35	LB137974
	Silver	1210	1250	97	90 - 110	P	11/19/2025	18:35	LB137974
	Sodium	24100	25000	96	90 - 110	P	11/19/2025	18:35	LB137974
	Thallium	5100	5000	102	90 - 110	P	11/19/2025	18:35	LB137974
	Vanadium	2390	2500	95	90 - 110	P	11/19/2025	18:35	LB137974
	Zinc	2390	2500	96	90 - 110	P	11/19/2025	18:35	LB137974

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Metals

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CRDL STANDARD FOR AA & ICP

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.21	0.2	103	70 - 130	CV	11/19/2025	10:01	LB137962
CRI01	Aluminum	110	100	110	65 - 135	P	11/19/2025	12:57	LB137974
	Antimony	50.0	50.0	100	65 - 135	P	11/19/2025	12:57	LB137974
	Arsenic	23.9	20.0	120	65 - 135	P	11/19/2025	12:57	LB137974
	Barium	99.7	100	100	65 - 135	P	11/19/2025	12:57	LB137974
	Beryllium	6.43	6.0	107	65 - 135	P	11/19/2025	12:57	LB137974
	Cadmium	5.89	6.0	98	65 - 135	P	11/19/2025	12:57	LB137974
	Calcium	2090	2000	104	65 - 135	P	11/19/2025	12:57	LB137974
	Chromium	9.95	10.0	100	65 - 135	P	11/19/2025	12:57	LB137974
	Cobalt	29.4	30.0	98	65 - 135	P	11/19/2025	12:57	LB137974
	Copper	21.2	20.0	106	65 - 135	P	11/19/2025	12:57	LB137974
	Iron	103	100	103	65 - 135	P	11/19/2025	12:57	LB137974
	Lead	10.1	12.0	84	65 - 135	P	11/19/2025	12:57	LB137974
	Magnesium	2170	2000	108	65 - 135	P	11/19/2025	12:57	LB137974
	Manganese	21.8	20.0	109	65 - 135	P	11/19/2025	12:57	LB137974
	Nickel	40.0	40.0	100	65 - 135	P	11/19/2025	12:57	LB137974
	Potassium	1780	2000	89	65 - 135	P	11/19/2025	12:57	LB137974
	Selenium	18.5	20.0	92	65 - 135	P	11/19/2025	12:57	LB137974
	Silver	10.7	10.0	107	65 - 135	P	11/19/2025	12:57	LB137974
	Sodium	1470	2000	74	65 - 135	P	11/19/2025	12:57	LB137974
	Thallium	42.1	40.0	105	65 - 135	P	11/19/2025	12:57	LB137974
	Vanadium	42.5	40.0	106	65 - 135	P	11/19/2025	12:57	LB137974
	Zinc	42.5	40.0	106	65 - 135	P	11/19/2025	12:57	LB137974

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Metals
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INTERFERENCE CHECK SAMPLE

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	251000	255000	98	216000	294000	11/19/2025	13:02	LB137974
	Antimony	-1.23			-50	50	11/19/2025	13:02	LB137974
	Arsenic	8.44			-20	20	11/19/2025	13:02	LB137974
	Barium	3.47	6.0	58	-94	106	11/19/2025	13:02	LB137974
	Beryllium	0.83			-6	6	11/19/2025	13:02	LB137974
	Cadmium	6.34	1.0	634	-5	7	11/19/2025	13:02	LB137974
	Calcium	239000	245000	98	208000	282000	11/19/2025	13:02	LB137974
	Chromium	51.9	52.0	100	42	62	11/19/2025	13:02	LB137974
	Cobalt	2.37			-30	30	11/19/2025	13:02	LB137974
	Copper	-4.52	2.0	226	-18	22	11/19/2025	13:02	LB137974
	Iron	97000	101000	96	85600	116500	11/19/2025	13:02	LB137974
	Lead	7.25			-12	12	11/19/2025	13:02	LB137974
	Magnesium	254000	255000	100	216000	294000	11/19/2025	13:02	LB137974
	Manganese	12.1	7.0	173	-13	27	11/19/2025	13:02	LB137974
	Nickel	5.72	2.0	286	-38	42	11/19/2025	13:02	LB137974
	Potassium	-90.2			0	0	11/19/2025	13:02	LB137974
	Selenium	1.34			-20	20	11/19/2025	13:02	LB137974
	Silver	-6.41			-10	10	11/19/2025	13:02	LB137974
	Sodium	-262			0	0	11/19/2025	13:02	LB137974
	Thallium	26.1			-40	40	11/19/2025	13:02	LB137974
	Vanadium	1.64			-40	40	11/19/2025	13:02	LB137974
	Zinc	6.22			-40	40	11/19/2025	13:02	LB137974
ICSAB01	Aluminum	248000	247000	100	209000	285000	11/19/2025	13:06	LB137974
	Antimony	597	618	97	525	711	11/19/2025	13:06	LB137974
	Arsenic	112	104	108	88.4	120	11/19/2025	13:06	LB137974
	Barium	494	537	92	437	637	11/19/2025	13:06	LB137974
	Beryllium	493	495	100	420	570	11/19/2025	13:06	LB137974
	Cadmium	992	972	102	826	1120	11/19/2025	13:06	LB137974
	Calcium	236000	235000	100	199000	271000	11/19/2025	13:06	LB137974
	Chromium	551	542	102	460	624	11/19/2025	13:06	LB137974
	Cobalt	494	476	104	404	548	11/19/2025	13:06	LB137974
	Copper	467	511	91	434	588	11/19/2025	13:06	LB137974
	Iron	96100	99300	97	84400	114500	11/19/2025	13:06	LB137974
	Lead	57.4	49.0	117	37	61	11/19/2025	13:06	LB137974
	Magnesium	251000	248000	101	210000	286000	11/19/2025	13:06	LB137974
	Manganese	493	507	97	430	584	11/19/2025	13:06	LB137974
	Nickel	981	954	103	810	1100	11/19/2025	13:06	LB137974
	Potassium	-158			0	0	11/19/2025	13:06	LB137974
	Selenium	54.5	46.0	118	26	66	11/19/2025	13:06	LB137974
	Silver	186	201	92	170	232	11/19/2025	13:06	LB137974
	Sodium	-257			0	0	11/19/2025	13:06	LB137974
	Thallium	146	108	135	68	148	11/19/2025	13:06	LB137974

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Metals
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INTERFERENCE CHECK SAMPLE

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Vanadium	484	491	99	417	565	11/19/2025	13:06	LB137974
	Zinc	1030	952	108	809	1095	11/19/2025	13:06	LB137974

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: HDR, Inc. **level:** low **sdg no.:** Q3662

contract: HDRI08 **lab code:** ACE

matrix: Solid **sample id:** Q3669-01 **client id:** EO-01-11182025MS

Percent Solids for Sample: 92.9 **Spiked ID:** Q3669-01MS **Percent Solids for Spike Sample:** 92.9

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	6560		6170		97.9	398		P
Antimony	mg/Kg	75 - 125	14.9		2.52	U	39.1	38	N	P
Arsenic	mg/Kg	75 - 125	33.2		2.61		39.1	78		P
Barium	mg/Kg	75 - 125	32.3		23.0		9.8	95		P
Beryllium	mg/Kg	75 - 125	7.63		0.40		9.8	74	N	P
Cadmium	mg/Kg	75 - 125	10.9		1.46		9.8	97		P
Calcium	mg/Kg	75 - 125	2700		2560		48.9	287		P
Chromium	mg/Kg	75 - 125	25.9		10.6		19.6	78		P
Cobalt	mg/Kg	75 - 125	17.6		8.51		9.8	93		P
Copper	mg/Kg	75 - 125	32.2		14.7		14.7	119		P
Iron	mg/Kg	75 - 125	14100		14800		150	-465		P
Lead	mg/Kg	75 - 125	160		21.3		48.9	284	N	P
Magnesium	mg/Kg	75 - 125	2110		2020		97.9	87		P
Manganese	mg/Kg	75 - 125	219		197		9.8	226		P
Mercury	mg/Kg	80 - 120	0.35		0.032		0.27	116		CV
Nickel	mg/Kg	75 - 125	35.9		12.8		24.5	94		P
Potassium	mg/Kg	75 - 125	769		397		490	76		P
Selenium	mg/Kg	75 - 125	74.5		1.01	U	97.9	76		P
Silver	mg/Kg	75 - 125	2.13		0.50	U	3.7	58	N	P
Sodium	mg/Kg	75 - 125	576		468		150	71	N	P
Thallium	mg/Kg	75 - 125	83.4		2.01	U	97.9	85		P
Vanadium	mg/Kg	75 - 125	35.7		25.7		14.7	68	N	P
Zinc	mg/Kg	75 - 125	44.4		35.1		9.8	95		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: HDR, Inc. **level:** low **sdg no.:** Q3662

contract: HDRI08 **lab code:** ACE

matrix: Solid **sample id:** Q3669-01 **client id:** EO-01-11182025MSD

Percent Solids for Sample: 92.9 **Spiked ID:** Q3669-01MSD **Percent Solids for Spike Sample:** 92.9

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	7300		6170		97.0	1166		P
Antimony	mg/Kg	75 - 125	14.6		2.52	U	38.8	38	N	P
Arsenic	mg/Kg	75 - 125	33.0		2.61		38.8	78		P
Barium	mg/Kg	75 - 125	34.9		23.0		9.7	123		P
Beryllium	mg/Kg	75 - 125	7.67		0.40		9.7	75		P
Cadmium	mg/Kg	75 - 125	11.5		1.46		9.7	103		P
Calcium	mg/Kg	75 - 125	3160		2560		48.5	1245		P
Chromium	mg/Kg	75 - 125	26.2		10.6		19.4	80		P
Cobalt	mg/Kg	75 - 125	19.2		8.51		9.7	110		P
Copper	mg/Kg	75 - 125	32.4		14.7		14.5	122		P
Iron	mg/Kg	75 - 125	15800		14800		150	671		P
Lead	mg/Kg	75 - 125	83.3		21.3		48.5	128	N	P
Magnesium	mg/Kg	75 - 125	2390		2020		97.0	374		P
Manganese	mg/Kg	75 - 125	232		197		9.7	365		P
Mercury	mg/Kg	80 - 120	0.34		0.032		0.28	110		CV
Nickel	mg/Kg	75 - 125	39.2		12.8		24.2	109		P
Potassium	mg/Kg	75 - 125	873		397		480	99		P
Selenium	mg/Kg	75 - 125	73.2		1.01	U	97.0	76		P
Silver	mg/Kg	75 - 125	1.99		0.50	U	3.6	55	N	P
Sodium	mg/Kg	75 - 125	677		468		150	139	N	P
Thallium	mg/Kg	75 - 125	88.4		2.01	U	97.0	91		P
Vanadium	mg/Kg	75 - 125	39.8		25.7		14.5	98		P
Zinc	mg/Kg	75 - 125	40.5		35.1		9.7	56	N	P

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Metals
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POST DIGEST SPIKE SUMMARY

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

Matrix: Solid **Level:** LOW **Client ID:** EO-01-11182025A

Sample ID: Q3669-01 **Spiked ID:** Q3669-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	75 - 125	23.8		2.52	U	40.2	59	N	P
Beryllium	mg/Kg	75 - 125	6.58		0.40		10.1	61	N	P
Lead	mg/Kg	75 - 125	53.0		21.3		50.3	63	N	P
Silver	mg/Kg	75 - 125	1.74		0.50	U	3.80	46	N	P
Sodium	mg/Kg	75 - 125	477		468		150	6	N	P
Vanadium	mg/Kg	75 - 125	31.2		25.7		15.1	37	N	P
Zinc	mg/Kg	75 - 125	34.2		35.1		10.1	-9	N	P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: HDR, Inc. **Level:** LOW **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q3669-01 **Client ID:** EO-01-11182025DUP

Percent Solids for Sample: 92.9 **Duplicate ID** Q3669-01DUP **Percent Solids for Spike Sample:** 92.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	6170		6220		1		P
Antimony	mg/Kg	20	2.52	U	2.54	U			P
Arsenic	mg/Kg	20	2.61		2.67		2		P
Barium	mg/Kg	20	23.0		23.6		3		P
Beryllium	mg/Kg	20	0.40		0.41		2		P
Cadmium	mg/Kg	20	1.46		1.44		1		P
Calcium	mg/Kg	20	2560		2590		1		P
Chromium	mg/Kg	20	10.6		10.6		1		P
Cobalt	mg/Kg	20	8.51		8.44		1		P
Copper	mg/Kg	20	14.7		14.6		1		P
Iron	mg/Kg	20	14800		14800		0		P
Lead	mg/Kg	20	21.3		21.1		1		P
Magnesium	mg/Kg	20	2020		2040		1		P
Manganese	mg/Kg	20	197		201		2		P
Mercury	mg/Kg	20	0.032		0.032		0		CV
Nickel	mg/Kg	20	12.8		12.7		1		P
Potassium	mg/Kg	20	397		391		2		P
Selenium	mg/Kg	20	1.01	U	1.02	U			P
Silver	mg/Kg	20	0.50	U	0.51	U			P
Sodium	mg/Kg	20	468		466		0		P
Thallium	mg/Kg	20	2.01	U	2.03	U			P
Vanadium	mg/Kg	20	25.7		25.8		0		P
Zinc	mg/Kg	20	35.1		34.4		2		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: HDR, Inc. **Level:** LOW **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q3669-01MS **Client ID:** EO-01-11182025MSD

Percent Solids for Sample: 92.9 **Duplicate ID** Q3669-01MSD **Percent Solids for Spike Sample:** 92.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	6560		7300		11		P
Antimony	mg/Kg	20	14.9		14.6		2		P
Arsenic	mg/Kg	20	33.2		33.0		1		P
Barium	mg/Kg	20	32.3		34.9		8		P
Beryllium	mg/Kg	20	7.63		7.67		1		P
Cadmium	mg/Kg	20	10.9		11.5		5		P
Calcium	mg/Kg	20	2700		3160		16		P
Chromium	mg/Kg	20	25.9		26.2		1		P
Cobalt	mg/Kg	20	17.6		19.2		9		P
Copper	mg/Kg	20	32.2		32.4		1		P
Iron	mg/Kg	20	14100		15800		11		P
Lead	mg/Kg	20	160		83.3		63	*	P
Magnesium	mg/Kg	20	2110		2390		12		P
Manganese	mg/Kg	20	219		232		6		P
Mercury	mg/Kg	20	0.35		0.34		1		CV
Nickel	mg/Kg	20	35.9		39.2		9		P
Potassium	mg/Kg	20	769		873		13		P
Selenium	mg/Kg	20	74.5		73.2		2		P
Silver	mg/Kg	20	2.13		1.99		7		P
Sodium	mg/Kg	20	576		677		16		P
Thallium	mg/Kg	20	83.4		88.4		6		P
Vanadium	mg/Kg	20	35.7		39.8		11		P
Zinc	mg/Kg	20	44.4		40.5		9		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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LABORATORY CONTROL SAMPLE SUMMARY

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170614BS							
Mercury	mg/Kg	0.28	0.32		112	80 - 120	CV

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LABORATORY CONTROL SAMPLE SUMMARY

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170617BS							
Aluminum	mg/Kg	100	99.1		99	80 - 120	P
Antimony	mg/Kg	40.0	38.7		97	80 - 120	P
Arsenic	mg/Kg	40.0	38.4		96	80 - 120	P
Barium	mg/Kg	10.0	9.69		97	80 - 120	P
Beryllium	mg/Kg	10.0	9.90		99	80 - 120	P
Cadmium	mg/Kg	10.0	9.47		95	80 - 120	P
Calcium	mg/Kg	50.0	57.0	J	114	80 - 120	P
Chromium	mg/Kg	20.0	20.3		102	80 - 120	P
Cobalt	mg/Kg	10.0	9.49		95	80 - 120	P
Copper	mg/Kg	15.0	14.8		99	80 - 120	P
Iron	mg/Kg	150	150		100	80 - 120	P
Lead	mg/Kg	50.0	46.7		93	80 - 120	P
Magnesium	mg/Kg	100	101		101	80 - 120	P
Manganese	mg/Kg	10.0	9.95		100	80 - 120	P
Nickel	mg/Kg	25.0	23.9		96	80 - 120	P
Potassium	mg/Kg	500	473		95	80 - 120	P
Selenium	mg/Kg	100	96.2		96	80 - 120	P
Silver	mg/Kg	3.8	3.84		101	80 - 120	P
Sodium	mg/Kg	150	143		95	80 - 120	P
Thallium	mg/Kg	100	95.8		96	80 - 120	P
Vanadium	mg/Kg	15.0	14.6		97	80 - 120	P
Zinc	mg/Kg	10.0	10.5		105	80 - 120	P

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

EO-01-11182025L

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **Lb No.:** lb137974 **Lab Sample ID :** Q3669-01L **SDG No.:** Q3662

Matrix (soil/water): Solid **Level (low/med):** LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	6170		7590		23		P
Antimony	2.52	U	12.6	U			P
Arsenic	2.61		2.73	J	4		P
Barium	23.0		29.4		28		P
Beryllium	0.40		0.50	J	26		P
Cadmium	1.46		0.96	J	34		P
Calcium	2560		3240		27		P
Chromium	10.6		13.1		23		P
Cobalt	8.51		8.24		3		P
Copper	14.7		19.0		29		P
Iron	14800		18700		26		P
Lead	21.3		21.1		1		P
Magnesium	2020		2490		23		P
Manganese	197		256		30		P
Mercury	0.032		0.072	U	100.0		CV
Nickel	12.8		12.7		1		P
Potassium	397		452	J	14		P
Selenium	1.01	U	5.03	U			P
Silver	0.50	U	2.52	U			P
Sodium	468		535		14		P
Thallium	2.01	U	2.01	J	100.0		P
Vanadium	25.7		31.7		23		P
Zinc	35.1		42.3		21		P

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ANALYSIS RUN LOG

Client: HDR, Inc. **Contract:** HDRI08

Lab code: ACE **Sdg no.:** Q3662

Instrument id number: **Method:** **Run number:** LB137962

Start date: 11/19/2025 **End date:** 11/19/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0932	HG
S0.2	S0.2	1	0934	HG
S2.5	S2.5	1	0939	HG
S5	S5	1	0941	HG
S7.5	S7.5	1	0943	HG
S10	S10	1	0948	HG
ICV121	ICV121	1	0952	HG
ICB121	ICB121	1	0954	HG
CCV12	CCV12	1	0957	HG
CCB12	CCB12	1	0959	HG
CRA	CRA	1	1001	HG
PB170614BL	PB170614BL	1	1008	HG
PB170614BS	PB170614BS	1	1010	HG
Q3662-02	B3-0.0-1.0-20251117	1	1012	HG
Q3662-04	B1-0.0-1.0-20251117	1	1015	HG
CCV13	CCV13	1	1024	HG
CCB13	CCB13	1	1026	HG
Q3669-01DUP	EO-01-11182025DUP	1	1031	HG
Q3669-01MS	EO-01-11182025MS	1	1033	HG
Q3669-01MSD	EO-01-11182025MSD	1	1035	HG
Q3669-01L	EO-01-11182025L	5	1037	HG
CCV14	CCV14	1	1042	HG
CCB14	CCB14	1	1044	HG

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ANALYSIS RUN LOG

Client: HDR, Inc. **Contract:** HDRI08

Lab code: ACE **Sdg no.:** Q3662

Instrument id number: **Method:** **Run number:** LB137974

Start date: 11/19/2025 **End date:** 11/19/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1220	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1224	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1228	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1232	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1236	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1241	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1245	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1249	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1253	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1257	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1302	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1306	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1319	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1323	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB170617BL	PB170617BL	1	1327	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB170617BS	PB170617BS	1	1332	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3662-02	B3-0.0-1.0-20251117	1	1434	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3662-04	B1-0.0-1.0-20251117	1	1438	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1456	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1500	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3669-01DUP	EO-01-11182025DUP	1	1601	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3669-01L	EO-01-11182025L	5	1605	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1614	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1618	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3669-01MS	EO-01-11182025MS	1	1622	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3669-01MSD	EO-01-11182025MSD	1	1626	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1705	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1709	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1807	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1811	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3669-01A	EO-01-11182025A	1	1820	Ag,Be,Na,Pb,Sb,V,Zn
CCV06	CCV06	1	1835	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	1842	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

METAL PREPARATION & INSTRUMENT DATA

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ICP INTERELEMENT CORRECTION FACTORS

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Aluminum	396.100	0.0000000	-0.0002060	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	-0.0075970	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0054900
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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ICP INTERELEMENT CORRECTION FACTORS

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Aluminum	396.100	0.0000000	0.0000000	0.0000590	0.0000000	0.0396900
Antimony	206.833	0.0122000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	-0.0000710	-0.0003400
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	-0.0007860
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Iron	240.488	0.0000000	0.0000000	0.0000730	0.0000000	-0.0015250
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0017400	-0.0100400
Vanadium	292.402	-0.0025100	0.0000000	0.0000000	0.0000000	-0.0072000
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Aluminum	396.100	0.0000000	0.0000000	0.0012800	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Iron	240.488	0.0000000	-0.0017000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

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

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	-0.0035600	-0.0007970	0.0000000	-0.0018900	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Cobalt	228.616	0.0000000	0.0018800	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	-0.0039700	0.0000000	-0.0115600	0.0000000
Vanadium	292.402	0.0000000	0.0005320	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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LAB CHRONICLE

OrderID:	Q3662	**OrderDate:**	11/18/2025 11:14:00 AM
Client:	HDR, Inc.	**Project:**	PVWC Linear Construction
Contact:	Andrew Wadden	**Location:**	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3662-02	**B3-0.0-1.0-20251117**	**SOIL**			**11/17/25**			**11/18/25**
			Mercury	7471B		11/19/25	11/19/25	
			Metals ICP-TAL	6010D		11/19/25	11/19/25	
Q3662-04	**B1-0.0-1.0-20251117**	**SOIL**			**11/17/25**			**11/18/25**
			Mercury	7471B		11/19/25	11/19/25	
			Metals ICP-TAL	6010D		11/19/25	11/19/25	

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB170614**						
PB170614BL	PB170614BL	MB	SOLID	11/19/2025	0.50	35.0	100.00
PB170614BS	PB170614BS	LCS	SOLID	11/19/2025	0.50	35.0	100.00
Q3662-02	B3-0.0-1.0-20251117	SAM	SOLID	11/19/2025	0.50	35.0	84.70
Q3662-04	B1-0.0-1.0-20251117	SAM	SOLID	11/19/2025	0.54	35.0	88.10
Q3669-01DUP	EO-01-11182025DUP	DUP	SOLID	11/19/2025	0.52	35.0	92.90
Q3669-01MS	EO-01-11182025MS	MS	SOLID	11/19/2025	0.55	35.0	92.90
Q3669-01MSD	EO-01-11182025MSD	MSD	SOLID	11/19/2025	0.53	35.0	92.90

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Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB170617**						
PB170617BL	PB170617BL	MB	SOLID	11/19/2025	2.00	100.0	100.00
PB170617BS	PB170617BS	LCS	SOLID	11/19/2025	2.00	100.0	100.00
Q3662-02	B3-0.0-1.0-20251117	SAM	SOLID	11/19/2025	2.22	100.0	84.70
Q3662-04	B1-0.0-1.0-20251117	SAM	SOLID	11/19/2025	2.20	100.0	88.10
Q3669-01DUP	EO-01-11182025DUP	DUP	SOLID	11/19/2025	2.12	100.0	92.90
Q3669-01MS	EO-01-11182025MS	MS	SOLID	11/19/2025	2.20	100.0	92.90
Q3669-01MSD	EO-01-11182025MSD	MSD	SOLID	11/19/2025	2.22	100.0	92.90

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137962

Review By	mohan	Review On	11/20/2025 12:52:59 PM
Supervise By	jaswal	Supervise On	11/21/2025 12:22:19 PM

STD. NAME	STD REF.#
ICAL Standard	MP88014,MP88015,MP88016,MP88017,MP88018,MP88019
ICV Standard	MP88020
CCV Standard	MP88022
ICSA Standard	
CRI Standard	MP88024
LCS Standard	
Chk Standard	MP88021,MP88023,MP88025,MP88027

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	11/19/25 09:32		mohan	OK
2	S0.2	S0.2	CAL2	11/19/25 09:34		mohan	OK
3	S2.5	S2.5	CAL3	11/19/25 09:39		mohan	OK
4	S5	S5	CAL4	11/19/25 09:41		mohan	OK
5	S7.5	S7.5	CAL5	11/19/25 09:43		mohan	OK
6	S10	S10	CAL6	11/19/25 09:48		mohan	OK
7	ICV121	ICV121	ICV	11/19/25 09:52		mohan	OK
8	ICB121	ICB121	ICB	11/19/25 09:54		mohan	OK
9	CCV12	CCV12	CCV	11/19/25 09:57		mohan	OK
10	CCB12	CCB12	CCB	11/19/25 09:59		mohan	OK
11	CRA	CRA	CRDL	11/19/25 10:01		mohan	OK
12	HighStd	HighStd	HIGH STD	11/19/25 10:03		mohan	OK
13	ChkStd	ChkStd	SAM	11/19/25 10:06		mohan	OK
14	PB170614BL	PB170614BL	MB	11/19/25 10:08		mohan	OK
15	PB170614BS	PB170614BS	LCS	11/19/25 10:10		mohan	OK
16	Q3662-02	B3-0.0-1.0-20251117	SAM	11/19/25 10:12		mohan	OK
17	Q3662-04	B1-0.0-1.0-20251117	SAM	11/19/25 10:15		mohan	OK
18	Q3664-01	ARS20-0001	SAM	11/19/25 10:17		mohan	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137962

Review By	mohan	Review On	11/20/2025 12:52:59 PM
Supervise By	jaswal	Supervise On	11/21/2025 12:22:19 PM

STD. NAME	STD REF.#
ICAL Standard	MP88014,MP88015,MP88016,MP88017,MP88018,MP88019
ICV Standard	MP88020
CCV Standard	MP88022
ICSA Standard	
CRI Standard	MP88024
LCS Standard	
Chk Standard	MP88021,MP88023,MP88025,MP88027

19	Q3664-03	ARS20-0013	SAM	11/19/25 10:19		mohan	OK
20	Q3664-05	291399	SAM	11/19/25 10:22		mohan	OK
21	CCV13	CCV13	CCV	11/19/25 10:24		mohan	OK
22	CCB13	CCB13	CCB	11/19/25 10:26		mohan	OK
23	Q3669-01	EO-01-11182025	SAM	11/19/25 10:28		mohan	OK
24	Q3669-01DUP	EO-01-11182025DUP	DUP	11/19/25 10:31		mohan	OK
25	Q3669-01MS	EO-01-11182025MS	MS	11/19/25 10:33		mohan	OK
26	Q3669-01MSD	EO-01-11182025MSD	MSD	11/19/25 10:35		mohan	OK
27	Q3669-01L	EO-01-11182025L	SD	11/19/25 10:37		mohan	OK
28	Q3669-01A	EO-01-11182025A	PS	11/19/25 10:40		mohan	OK
29	CCV14	CCV14	CCV	11/19/25 10:42		mohan	OK
30	CCB14	CCB14	CCB	11/19/25 10:44		mohan	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137974

Review By	jaswal	Review On	11/20/2025 12:52:04 PM
Supervise By	mohan	Supervise On	11/20/2025 1:09:45 PM

STD. NAME	STD REF.#
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638
ICV Standard	MP87644,MP87643
CCV Standard	MP87647
ICSA Standard	MP87645,MP87646
CRI Standard	MP87643
LCS Standard	
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	11/19/25 12:20		Jaswal	OK
2	S1	S1	CAL2	11/19/25 12:24		Jaswal	OK
3	S2	S2	CAL3	11/19/25 12:28		Jaswal	OK
4	S3	S3	CAL4	11/19/25 12:32		Jaswal	OK
5	S4	S4	CAL5	11/19/25 12:36		Jaswal	OK
6	S5	S5	CAL6	11/19/25 12:41		Jaswal	OK
7	ICV01	ICV01	ICV	11/19/25 12:45		Jaswal	OK
8	LLICV01	LLICV01	LLICV	11/19/25 12:49		Jaswal	OK
9	ICB01	ICB01	ICB	11/19/25 12:53		Jaswal	OK
10	CRI01	CRI01	CRDL	11/19/25 12:57		Jaswal	OK
11	ICSA01	ICSA01	ICSA	11/19/25 13:02		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	11/19/25 13:06		Jaswal	OK
13	ICSADL	ICSADL	ICSA	11/19/25 13:10		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	11/19/25 13:14		Jaswal	OK
15	CCV01	CCV01	CCV	11/19/25 13:19		Jaswal	OK
16	CCB01	CCB01	CCB	11/19/25 13:23		Jaswal	OK
17	PB170617BL	PB170617BL	MB	11/19/25 13:27		Jaswal	OK
18	PB170617BS	PB170617BS	LCS	11/19/25 13:32		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137974

Review By	jaswal	Review On	11/20/2025 12:52:04 PM
Supervise By	mohan	Supervise On	11/20/2025 1:09:45 PM

STD. NAME	STD REF.#
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638
ICV Standard	MP87644,MP87643
CCV Standard	MP87647
ICSA Standard	MP87645,MP87646
CRI Standard	MP87643
LCS Standard	
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650

19	PB170626BL	PB170626BL	MB	11/19/25 13:36		Jaswal	OK
20	PB170626BS	PB170626BS	LCS	11/19/25 13:40		Jaswal	OK
21	LR-1	LR-1	HIGH STD	11/19/25 14:09		Jaswal	OK
22	LR-2	LR-2	HIGH STD	11/19/25 14:19		Jaswal	OK
23	LR-3	LR-3	HIGH STD	11/19/25 14:30		Jaswal	OK
24	Q3662-02	B3-0.0-1.0-20251117	SAM	11/19/25 14:34		Jaswal	OK
25	Q3662-04	B1-0.0-1.0-20251117	SAM	11/19/25 14:38		Jaswal	OK
26	Q3664-01	ARS20-0001	SAM	11/19/25 14:42		Jaswal	OK
27	CCV02	CCV02	CCV	11/19/25 14:56		Jaswal	OK
28	CCB02	CCB02	CCB	11/19/25 15:00		Jaswal	OK
29	Q3664-03	ARS20-0013	SAM	11/19/25 15:05		Jaswal	OK
30	Q3664-05	291399	SAM	11/19/25 15:09		Jaswal	OK
31	Q3667-01	RIGHT-SIDE-WALL	SAM	11/19/25 15:13		Jaswal	OK
32	Q3667-05	LEFT-SIDE-FLOOR	SAM	11/19/25 15:22		Jaswal	OK
33	Q3667-03	LEFT-SIDE-WALL	SAM	11/19/25 15:44		Jaswal	OK
34	Q3667-07	ELEVATED-DIVIDE	SAM	11/19/25 15:48		Jaswal	OK
35	Q3668-01	2015	SAM	11/19/25 15:53		Jaswal	OK
36	Q3669-01	EO-01-11182025	SAM	11/19/25 15:57		Jaswal	OK
37	Q3669-01DUP	EO-01-11182025DUP	DUP	11/19/25 16:01		Jaswal	OK
38	Q3669-01L	EO-01-11182025L	SD	11/19/25 16:05		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137974

Review By	jaswal	Review On	11/20/2025 12:52:04 PM
Supervise By	mohan	Supervise On	11/20/2025 1:09:45 PM

STD. NAME	STD REF.#
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ICV Standard	MP87644,MP87643
CCV Standard	MP87647
ICSA Standard	MP87645,MP87646
CRI Standard	MP87643
LCS Standard	
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650

39	CCV03	CCV03	CCV	11/19/25 16:14		Jaswal	OK
40	CCB03	CCB03	CCB	11/19/25 16:18		Jaswal	OK
41	Q3669-01MS	EO-01-11182025MS	MS	11/19/25 16:22		Jaswal	OK
42	Q3669-01MSD	EO-01-11182025MSD	MSD	11/19/25 16:26		Jaswal	OK
43	Q3583-07	CHRT27080	SAM	11/19/25 16:35		Jaswal	OK
44	Q3652-04	TP-1	SAM	11/19/25 16:39		Jaswal	OK
45	Q3652-04DUP	TP-1DUP	DUP	11/19/25 16:44		Jaswal	OK
46	Q3652-04L	TP-1L	SD	11/19/25 16:48		Jaswal	OK
47	Q3652-04MS	TP-1MS	MS	11/19/25 16:52		Jaswal	OK
48	Q3652-04MSD	TP-1MSD	MSD	11/19/25 16:56		Jaswal	OK
49	Q3652-04A	TP-1A	PS	11/19/25 17:01	0.1ML M6008,M6017-10ML SAMPLE	Jaswal	OK
50	CCV04	CCV04	CCV	11/19/25 17:05		Jaswal	OK
51	CCB04	CCB04	CCB	11/19/25 17:09		Jaswal	OK
52	Q3657-01	SEWAREN-CONCRE	SAM	11/19/25 17:13		Jaswal	OK
53	Q3659-01	TANK-1-COMP-1	SAM	11/19/25 17:18		Jaswal	OK
54	Q3659-02	TANK-1-COMP-2	SAM	11/19/25 17:22		Jaswal	OK
55	Q3662-05	B1-0.0-1.0-20251117	SAM	11/19/25 17:27		Jaswal	OK
56	Q3667-02	RIGHT-SIDE-WALL	SAM	11/19/25 17:31		Jaswal	OK
57	Q3667-04	LEFT-SIDE-WALL	SAM	11/19/25 17:35		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137974

Review By	jaswal	Review On	11/20/2025 12:52:04 PM
Supervise By	mohan	Supervise On	11/20/2025 1:09:45 PM

STD. NAME	STD REF.#
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638
ICV Standard	MP87644,MP87643
CCV Standard	MP87647
ICSA Standard	MP87645,MP87646
CRI Standard	MP87643
LCS Standard	
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650

58	Q3667-06	LEFT-SIDE-FLOOR	SAM	11/19/25 17:40		Jaswal	OK
59	Q3667-08	ELEVATED-DIVIDE	SAM	11/19/25 17:45		Jaswal	OK
60	PB170600TB	PB170600TB	MB	11/19/25 17:49		Jaswal	OK
61	Q3667-03DL	LEFT-SIDE-WALLDL	SAM	11/19/25 17:54	NOT USE	Jaswal	Not Ok
62	CCV05	CCV05	CCV	11/19/25 18:07		Jaswal	OK
63	CCB05	CCB05	CCB	11/19/25 18:11		Jaswal	OK
64	Q3667-07DL	ELEVATED-DIVIDEDL	SAM	11/19/25 18:15	NOT USE	Jaswal	Not Ok
65	Q3669-01A	EO-01-11182025A	PS	11/19/25 18:20	0.1ML M6008,M6017-10ML SAMPLE	Jaswal	OK
66	CCV06	CCV06	CCV	11/19/25 18:35		Jaswal	OK
67	CCB06	CCB06	CCB	11/19/25 18:42		Jaswal	OK

Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB170614

SOP ID : M7471B-Mercury-19

SDG No : N/A

Matrix : SOIL

Pippete ID: ICP A

Balance ID : M SC-3

Filter paper ID : N/A

pH Strip ID : N/A

Hood ID : #1

Block ID: 1. HOT BLOCK #3 2. N/A

Start Digest Date: 11/19/2025 **Time :** 08:10 **Temp :** 96 °C

End Digest Date: 11/19/2025 **Time :** 08:40 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #3

Dig Technician Signature: mn

Supervisor Signature: mn

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP88020
CCV	30mL	MP88022
CRA	30mL	MP88024
Blank Spike	0.48mL	MP88013
Matrix Spike	0.48mL	MP88013

Chemical Used	ML/SAMPLE USED	Lot Number
AQUA REGIA	1.5Ml	MP88026
KMnO4 (5%)	4.5mL	MP87634
Hydroxylamine HCL (12%)	2.0Ml	MP87636
PTFE Boiling Stones	N/A	M5582
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

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
0.0 ppb	S0	30mL	MP88014
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP88015
2.5 ppb	S2.5	30mL	MP88016
5.0 ppb	S5.0	30mL	MP88017
7.5 ppb	S7.5	30mL	MP88018
10.0 ppb	S10.0	30mL	MP88019
ICV	ICV	30mL	MP88020
ICB	ICB	30mL	MP88021
CCV	CCV	30mL	MP88022
CCB	CCB	30mL	MP88023
CRI	CRI	30mL	MP88024
CHK STD	CHK STD	30mL	MP88025

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/19/25 09:10	mn met lab	mn met lab
09:10	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB170614

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Comment	Prep Pos
PB170614BL	PBS614	0.50	35	N/A	N/A	3-1
PB170614BS	LCS614	0.50	35	N/A	MP88013	2
Q3662-02	B3-0.0-1.0-20251117	0.50	35	N/A	N/A	3
Q3662-04	B3-0.0-1.0-20251117	0.54	35	N/A	N/A	4
Q3664-01	ARS20-0001	0.54	35	N/A	N/A	5
Q3664-03	ARS20-0013	0.60	35	N/A	N/A	6
Q3664-05	291399	0.50	35	N/A	N/A	7
Q3669-01	EO-01-11182025	0.52	35	N/A	N/A	8
Q3669-01DUP	EO-01-11182025DUP	0.52	35	N/A	N/A	9
Q3669-01MS	EO-01-11182025MS	0.55	35	N/A	MP88013	10
Q3669-01MSD	EO-01-11182025MSD	0.53	35	N/A	MP88013	11

A B C D E F G H I J

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB170617

SOP ID : M3050B-Digestion-20

SDG No : N/A

Matrix : SOIL

Pippete ID: ICP A

Balance ID : M SC-2

Filter paper ID : N/A

pH Strip ID : N/A

Hood ID : #3

Block ID: 1. HOT BLOCK #2 2. N/A

Start Digest Date: 11/19/2025 **Time :** 10:05 **Temp :** 96 °C

End Digest Date: 11/19/2025 **Time :** 12:14 **Temp :** 96 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #2

Dig Technician Signature: SPS

Supervisor Signature: SO

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	1.00	M6209
LFS-2	1.00	M6201
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Conc. HNO3	5.00	M6187
1:1 HNO3	10.00	MP86978
30% H2O2	3.00	M6170
Conc. HCL	10.00	M6151
PTFE Boiling Stones	N/A	M5581
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:

HOT BLOCK#2 CELL#35 96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/19/25 ~~13:00~~	SPS met dig	SO (metals lab)
13:00	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB170617

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
PB170617BL	PBS617	N/A	2.00	100	Colorless	Colorless	Fine	No	N/A	1
PB170617BS	LCS617	N/A	2.00	100	Colorless	Colorless	Fine	No	M6209,M6201	2
Q3662-02	B3-0.0-1.0-20251117	N/A	2.22	100	Brown	Yellow	Medium	No	N/A	3
Q3662-04	B3-0.0-1.0-20251117	N/A	2.20	100	Brown	Yellow	Medium	No	N/A	4
Q3664-01	ARS20-0001	N/A	2.22	100	Brown	Yellow	Medium	No	N/A	5
Q3664-03	ARS20-0013	N/A	2.40	100	Brown	Yellow	Medium	No	N/A	6
Q3664-05	291399	N/A	2.24	100	Brown	Yellow	Medium	No	N/A	7
Q3667-01	RIGHT-SIDE-WALL	N/A	2.36	100	Brown	Yellow	Medium	No	N/A	8
Q3667-03	LEFT-SIDE-WALL	N/A	2.32	100	Brown	Yellow	Medium	No	N/A	9
Q3667-05	LEFT-SIDE-FLOOR	N/A	2.36	100	Brown	Yellow	Medium	No	N/A	10
Q3667-07	ELEVATED-DIVIDE	N/A	2.26	100	Brown	Yellow	Medium	No	N/A	11
Q3668-01	2015	N/A	2.36	100	Brown	Yellow	Medium	No	N/A	12
Q3669-01	EO-01-11182025	N/A	2.14	100	Brown	Yellow	Medium	No	N/A	13
Q3669-01MS	EO-01-11182025MS	N/A	2.20	100	Brown	Yellow	Medium	No	M6209,M6201	15
Q3669-01MSD	EO-01-11182025MSD	N/A	2.22	100	Brown	Yellow	Medium	No	M6209,M6201	16
Q3669-01DUP	EO-01-11182025DUP	N/A	2.12	100	Brown	Yellow	Medium	No	N/A	14

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Hit Summary Sheet
SW-846

SDG No.: Q3662 **Order ID:** Q3662

Client: HDR, Inc. **Project ID:** PVWC Linear Construction

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : B1-0.0-1.0-20251117								
Q3662-05	B1-0.0-1.0-20251117	TCLP	Barium	2250		72.8	500	ug/L
Q3662-05	B1-0.0-1.0-20251117	TCLP	Cadmium	8.65	J	2.50	30.0	ug/L
Q3662-05	B1-0.0-1.0-20251117	TCLP	Chromium	118		10.6	50.0	ug/L
Q3662-05	B1-0.0-1.0-20251117	TCLP	Lead	347		11.5	60.0	ug/L

SAMPLE DATA

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/17/25
Project:	PVWC Linear Construction	Date Received:	11/18/25
Client Sample ID:	B1-0.0-1.0-20251117	SDG No.:	Q3662
Lab Sample ID:	Q3662-05	Matrix:	TCLP
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	25.6	U	1	25.6	100	ug/L	11/19/25 12:30	11/19/25 17:27	6010D	M3010A
7440-39-3	Barium	2250	N	1	72.8	500	ug/L	11/19/25 12:30	11/19/25 17:27	6010D	M3010A
7440-43-9	Cadmium	8.65	J	1	2.50	30.0	ug/L	11/19/25 12:30	11/19/25 17:27	6010D	M3010A
7440-47-3	Chromium	118		1	10.6	50.0	ug/L	11/19/25 12:30	11/19/25 17:27	6010D	M3010A
7439-92-1	Lead	347		1	11.5	60.0	ug/L	11/19/25 12:30	11/19/25 17:27	6010D	M3010A
7439-97-6	Mercury	0.76	U	1	0.76	2.00	ug/L	11/19/25 12:30	11/19/25 15:04	7470A	M7470A
7782-49-2	Selenium	48.2	U	1	48.2	100	ug/L	11/19/25 12:30	11/19/25 17:27	6010D	M3010A
7440-22-4	Silver	8.10	U	1	8.10	50.0	ug/L	11/19/25 12:30	11/19/25 17:27	6010D	M3010A

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB122	Mercury	0.076	+/-0.2	U	0.20	CV	11/19/2025	14:25	LB137970

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB15	Mercury	0.076	+/-0.2	U	0.20	CV	11/19/2025	14:30	LB137970
CCB16	Mercury	0.076	+/-0.2	U	0.20	CV	11/19/2025	14:57	LB137970
CCB17	Mercury	0.076	+/-0.2	U	0.20	CV	11/20/2025	07:45	LB137970
CCB18	Mercury	0.076	+/-0.2	U	0.20	CV	11/20/2025	08:04	LB137970

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	5.12	+/-10	U	20.0	P	11/19/2025	12:53	LB137974
	Barium	14.6	+/-50	U	100	P	11/19/2025	12:53	LB137974
	Cadmium	0.50	+/-3	U	6.00	P	11/19/2025	12:53	LB137974
	Chromium	2.12	+/-5	U	10.0	P	11/19/2025	12:53	LB137974
	Lead	2.30	+/-6	U	12.0	P	11/19/2025	12:53	LB137974
	Selenium	9.64	+/-10	U	20.0	P	11/19/2025	12:53	LB137974
	Silver	1.62	+/-5	U	10.0	P	11/19/2025	12:53	LB137974

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	5.12	+/-10	U	20.0	P	11/19/2025	13:23	LB137974
	Barium	14.6	+/-50	U	100	P	11/19/2025	13:23	LB137974
	Cadmium	0.50	+/-3	U	6.00	P	11/19/2025	13:23	LB137974
	Chromium	2.12	+/-5	U	10.0	P	11/19/2025	13:23	LB137974
	Lead	2.30	+/-6	U	12.0	P	11/19/2025	13:23	LB137974
	Selenium	9.64	+/-10	U	20.0	P	11/19/2025	13:23	LB137974
	Silver	1.62	+/-5	U	10.0	P	11/19/2025	13:23	LB137974
CCB02	Arsenic	5.12	+/-10	U	20.0	P	11/19/2025	15:00	LB137974
	Barium	14.6	+/-50	U	100	P	11/19/2025	15:00	LB137974
	Cadmium	0.50	+/-3	U	6.00	P	11/19/2025	15:00	LB137974
	Chromium	2.12	+/-5	U	10.0	P	11/19/2025	15:00	LB137974
	Lead	2.30	+/-6	U	12.0	P	11/19/2025	15:00	LB137974
	Selenium	9.64	+/-10	U	20.0	P	11/19/2025	15:00	LB137974
	Silver	1.62	+/-5	U	10.0	P	11/19/2025	15:00	LB137974
CCB03	Arsenic	5.12	+/-10	U	20.0	P	11/19/2025	16:18	LB137974
	Barium	14.6	+/-50	U	100	P	11/19/2025	16:18	LB137974
	Cadmium	0.50	+/-3	U	6.00	P	11/19/2025	16:18	LB137974
	Chromium	2.12	+/-5	U	10.0	P	11/19/2025	16:18	LB137974
	Lead	2.30	+/-6	U	12.0	P	11/19/2025	16:18	LB137974
	Selenium	9.64	+/-10	U	20.0	P	11/19/2025	16:18	LB137974
	Silver	1.62	+/-5	U	10.0	P	11/19/2025	16:18	LB137974
CCB04	Arsenic	5.12	+/-10	U	20.0	P	11/19/2025	17:09	LB137974
	Barium	14.6	+/-50	U	100	P	11/19/2025	17:09	LB137974
	Cadmium	0.50	+/-3	U	6.00	P	11/19/2025	17:09	LB137974
	Chromium	2.12	+/-5	U	10.0	P	11/19/2025	17:09	LB137974
	Lead	2.30	+/-6	U	12.0	P	11/19/2025	17:09	LB137974
	Selenium	9.64	+/-10	U	20.0	P	11/19/2025	17:09	LB137974
	Silver	1.62	+/-5	U	10.0	P	11/19/2025	17:09	LB137974
CCB05	Arsenic	5.12	+/-10	U	20.0	P	11/19/2025	18:11	LB137974
	Barium	14.6	+/-50	U	100	P	11/19/2025	18:11	LB137974
	Cadmium	0.50	+/-3	U	6.00	P	11/19/2025	18:11	LB137974
	Chromium	2.12	+/-5	U	10.0	P	11/19/2025	18:11	LB137974
	Lead	2.30	+/-6	U	12.0	P	11/19/2025	18:11	LB137974
	Selenium	9.64	+/-10	U	20.0	P	11/19/2025	18:11	LB137974
	Silver	1.62	+/-5	U	10.0	P	11/19/2025	18:11	LB137974
CCB06	Arsenic	5.12	+/-10	U	20.0	P	11/19/2025	18:42	LB137974
	Barium	14.6	+/-50	U	100	P	11/19/2025	18:42	LB137974
	Cadmium	0.50	+/-3	U	6.00	P	11/19/2025	18:42	LB137974
	Chromium	2.12	+/-5	U	10.0	P	11/19/2025	18:42	LB137974

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Lead	2.30	+/-6	U	12.0	P	11/19/2025	18:42	LB137974
	Selenium	9.64	+/-10	U	20.0	P	11/19/2025	18:42	LB137974
	Silver	1.62	+/-5	U	10.0	P	11/19/2025	18:42	LB137974

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3662

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB170600TB		**WATER**		**Batch Number:**	**PB170634**		**Prep Date:**	**11/19/2025**	
	Mercury	0.76	<2	U	2.00	CV	11/20/2025	07:47	LB137970
Sample ID	**Analyte**	**Result (ug/L)**	**Acceptance Limit**	**Conc Qual**	**CRQL ug/L**	**M**	**Analysis Date**	**Analysis Time**	**Run**
PB170634BL		**WATER**		**Batch Number:**	**PB170634**		**Prep Date:**	**11/19/2025**	
	Mercury	0.076	<0.2	U	0.20	CV	11/19/2025	14:39	LB137970

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3662

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB170600TB		**WATER**		**Batch Number:**	**PB170626**		**Prep Date:**	**11/19/2025**	
	Arsenic	25.6	<50	U	100	P	11/19/2025	17:49	LB137974
	Barium	72.8	<250	U	500	P	11/19/2025	17:49	LB137974
	Cadmium	2.50	<15	U	30.0	P	11/19/2025	17:49	LB137974
	Chromium	24.3	<25	J	50.0	P	11/19/2025	17:49	LB137974
	Lead	11.5	<30	U	60.0	P	11/19/2025	17:49	LB137974
	Selenium	48.2	<50	U	100	P	11/19/2025	17:49	LB137974
	Silver	8.10	<25	U	50.0	P	11/19/2025	17:49	LB137974

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB170626BL		**WATER**		**Batch Number:**	**PB170626**		**Prep Date:**	**11/19/2025**	
	Arsenic	25.6	<50	U	100	P	11/19/2025	13:36	LB137974
	Barium	72.8	<250	U	500	P	11/19/2025	13:36	LB137974
	Cadmium	2.50	<15	U	30.0	P	11/19/2025	13:36	LB137974
	Chromium	10.6	<25	U	50.0	P	11/19/2025	13:36	LB137974
	Lead	11.5	<30	U	60.0	P	11/19/2025	13:36	LB137974
	Selenium	48.2	<50	U	100	P	11/19/2025	13:36	LB137974
	Silver	8.10	<25	U	50.0	P	11/19/2025	13:36	LB137974

METAL CALIBRATION DATA

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc.

SDG No.: Q3662

Contract: HDRI08

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV122	Mercury	4.16	4.0	104	90 - 110	CV	11/19/2025	14:23	LB137970

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc.

SDG No.: Q3662

Contract: HDRI08

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV15	Mercury	4.68	5.0	94	90 - 110	CV	11/19/2025	14:28	LB137970
CCV16	Mercury	4.65	5.0	93	90 - 110	CV	11/19/2025	14:55	LB137970
CCV17	Mercury	4.80	5.0	96	90 - 110	CV	11/20/2025	07:42	LB137970
CCV18	Mercury	5.19	5.0	104	90 - 110	CV	11/20/2025	08:02	LB137970

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Arsenic	3860	4000	96	90 - 110	P	11/19/2025	12:45	LB137974
	Barium	8100	8000	101	90 - 110	P	11/19/2025	12:45	LB137974
	Cadmium	1920	2000	96	90 - 110	P	11/19/2025	12:45	LB137974
	Chromium	787	800	98	90 - 110	P	11/19/2025	12:45	LB137974
	Lead	3820	4000	96	90 - 110	P	11/19/2025	12:45	LB137974
	Selenium	3860	4000	96	90 - 110	P	11/19/2025	12:45	LB137974
	Silver	1030	1000	103	90 - 110	P	11/19/2025	12:45	LB137974

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc.

SDG No.: Q3662

Contract: HDRI08

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Arsenic	22.2	20.0	111	80 - 120	P	11/19/2025	12:49	LB137974
	Barium	103	100	103	80 - 120	P	11/19/2025	12:49	LB137974
	Cadmium	5.94	6.0	99	80 - 120	P	11/19/2025	12:49	LB137974
	Chromium	10.2	10.0	102	80 - 120	P	11/19/2025	12:49	LB137974
	Lead	11.4	12.0	95	80 - 120	P	11/19/2025	12:49	LB137974
	Selenium	19.8	20.0	99	80 - 120	P	11/19/2025	12:49	LB137974
	Silver	11.0	10.0	110	80 - 120	P	11/19/2025	12:49	LB137974

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Arsenic	4700	5000	94	90 - 110	P	11/19/2025	13:19	LB137974
	Barium	9560	10000	96	90 - 110	P	11/19/2025	13:19	LB137974
	Cadmium	2330	2500	93	90 - 110	P	11/19/2025	13:19	LB137974
	Chromium	965	1000	96	90 - 110	P	11/19/2025	13:19	LB137974
	Lead	4680	5000	94	90 - 110	P	11/19/2025	13:19	LB137974
	Selenium	4700	5000	94	90 - 110	P	11/19/2025	13:19	LB137974
	Silver	1200	1250	96	90 - 110	P	11/19/2025	13:19	LB137974
CCV02	Arsenic	5020	5000	100	90 - 110	P	11/19/2025	14:56	LB137974
	Barium	10200	10000	102	90 - 110	P	11/19/2025	14:56	LB137974
	Cadmium	2500	2500	100	90 - 110	P	11/19/2025	14:56	LB137974
	Chromium	1030	1000	103	90 - 110	P	11/19/2025	14:56	LB137974
	Lead	5000	5000	100	90 - 110	P	11/19/2025	14:56	LB137974
	Selenium	5000	5000	100	90 - 110	P	11/19/2025	14:56	LB137974
	Silver	1260	1250	101	90 - 110	P	11/19/2025	14:56	LB137974
CCV03	Arsenic	5120	5000	102	90 - 110	P	11/19/2025	16:14	LB137974
	Barium	9980	10000	100	90 - 110	P	11/19/2025	16:14	LB137974
	Cadmium	2500	2500	100	90 - 110	P	11/19/2025	16:14	LB137974
	Chromium	1020	1000	102	90 - 110	P	11/19/2025	16:14	LB137974
	Lead	5040	5000	101	90 - 110	P	11/19/2025	16:14	LB137974
	Selenium	5140	5000	103	90 - 110	P	11/19/2025	16:14	LB137974
	Silver	1280	1250	102	90 - 110	P	11/19/2025	16:14	LB137974
CCV04	Arsenic	5040	5000	101	90 - 110	P	11/19/2025	17:05	LB137974
	Barium	9560	10000	96	90 - 110	P	11/19/2025	17:05	LB137974
	Cadmium	2450	2500	98	90 - 110	P	11/19/2025	17:05	LB137974
	Chromium	1000	1000	100	90 - 110	P	11/19/2025	17:05	LB137974
	Lead	4960	5000	99	90 - 110	P	11/19/2025	17:05	LB137974
	Selenium	5020	5000	100	90 - 110	P	11/19/2025	17:05	LB137974
	Silver	1250	1250	100	90 - 110	P	11/19/2025	17:05	LB137974
CCV05	Arsenic	5200	5000	104	90 - 110	P	11/19/2025	18:07	LB137974
	Barium	10000	10000	100	90 - 110	P	11/19/2025	18:07	LB137974
	Cadmium	2560	2500	102	90 - 110	P	11/19/2025	18:07	LB137974
	Chromium	1070	1000	107	90 - 110	P	11/19/2025	18:07	LB137974
	Lead	5150	5000	103	90 - 110	P	11/19/2025	18:07	LB137974
	Selenium	5170	5000	104	90 - 110	P	11/19/2025	18:07	LB137974

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc.

SDG No.: Q3662

Contract: HDRI08

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Silver	1340	1250	107	90 - 110	P	11/19/2025	18:07	LB137974
CCV06	Arsenic	4980	5000	100	90 - 110	P	11/19/2025	18:35	LB137974
	Barium	9380	10000	94	90 - 110	P	11/19/2025	18:35	LB137974
	Cadmium	2420	2500	97	90 - 110	P	11/19/2025	18:35	LB137974
	Chromium	964	1000	96	90 - 110	P	11/19/2025	18:35	LB137974
	Lead	4900	5000	98	90 - 110	P	11/19/2025	18:35	LB137974
	Selenium	4970	5000	99	90 - 110	P	11/19/2025	18:35	LB137974
	Silver	1210	1250	97	90 - 110	P	11/19/2025	18:35	LB137974

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Metals

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CRDL STANDARD FOR AA & ICP

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Arsenic	23.9	20.0	120	65 - 135	P	11/19/2025	12:57	LB137974
	Barium	99.7	100	100	65 - 135	P	11/19/2025	12:57	LB137974
	Cadmium	5.89	6.0	98	65 - 135	P	11/19/2025	12:57	LB137974
	Chromium	9.95	10.0	100	65 - 135	P	11/19/2025	12:57	LB137974
	Lead	10.1	12.0	84	65 - 135	P	11/19/2025	12:57	LB137974
	Selenium	18.5	20.0	92	65 - 135	P	11/19/2025	12:57	LB137974
	Silver	10.7	10.0	107	65 - 135	P	11/19/2025	12:57	LB137974
CRA	Mercury	0.17	0.2	84	70 - 130	CV	11/19/2025	14:32	LB137970

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Metals
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INTERFERENCE CHECK SAMPLE

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Arsenic	8.44			-20	20	11/19/2025	13:02	LB137974
	Barium	3.47	6.0	58	-94	106	11/19/2025	13:02	LB137974
	Cadmium	6.34	1.0	634	-5	7	11/19/2025	13:02	LB137974
	Chromium	51.9	52.0	100	42	62	11/19/2025	13:02	LB137974
	Lead	7.25			-12	12	11/19/2025	13:02	LB137974
	Selenium	1.34			-20	20	11/19/2025	13:02	LB137974
	Silver	-6.41			-10	10	11/19/2025	13:02	LB137974
ICSAB01	Arsenic	112	104	108	88.4	120	11/19/2025	13:06	LB137974
	Barium	494	537	92	437	637	11/19/2025	13:06	LB137974
	Cadmium	992	972	102	826	1120	11/19/2025	13:06	LB137974
	Chromium	551	542	102	460	624	11/19/2025	13:06	LB137974
	Lead	57.4	49.0	117	37	61	11/19/2025	13:06	LB137974
	Selenium	54.5	46.0	118	26	66	11/19/2025	13:06	LB137974
	Silver	186	201	92	170	232	11/19/2025	13:06	LB137974

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: HDR, Inc. **level:** low **sdg no.:** Q3662

contract: HDRI08 **lab code:** ACE

matrix: Water **sample id:** Q3652-04 **client id:** TP-1MS

Percent Solids for Sample: NA **Spiked ID:** Q3652-04MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	3470		100	U	4000	87		P
Barium	ug/L	75 - 125	2140		1480		1000	66	N	P
Cadmium	ug/L	75 - 125	832		30.0	U	1000	83		P
Chromium	ug/L	75 - 125	1780		53.7		2000	86		P
Lead	ug/L	75 - 125	4100		67.1		5000	81		P
Mercury	ug/L	75 - 125	36.5		2.00	U	40.0	91		CV
Selenium	ug/L	75 - 125	8580		100	U	10000	86		P
Silver	ug/L	75 - 125	320		50.0	U	380	84		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: HDR, Inc. **level:** low **sdg no.:** Q3662

contract: HDRI08 **lab code:** ACE

matrix: Water **sample id:** Q3652-04 **client id:** TP-1MSD

Percent Solids for Sample: NA **Spiked ID:** Q3652-04MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	3780		100	U	4000	94		P
Barium	ug/L	75 - 125	2170		1480		1000	69	N	P
Cadmium	ug/L	75 - 125	908		30.0	U	1000	91		P
Chromium	ug/L	75 - 125	1900		53.7		2000	92		P
Lead	ug/L	75 - 125	4480		67.1		5000	88		P
Mercury	ug/L	75 - 125	36.6		2.00	U	40.0	92		CV
Selenium	ug/L	75 - 125	9420		100	U	10000	94		P
Silver	ug/L	75 - 125	349		50.0	U	380	92		P

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Metals
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POST DIGEST SPIKE SUMMARY

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

Matrix: Water **Level:** LOW **Client ID:** TP-1A

Sample ID: Q3652-04 **Spiked ID:** Q3652-04A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Barium	ug/L	75 - 125	2370		1480		1000	89		P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: HDR, Inc. **Level:** LOW **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q3652-04 **Client ID:** TP-1DUP

Percent Solids for Sample: NA **Duplicate ID** Q3652-04DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	100	U	100	U			P
Barium	ug/L	20	1480		1480		0		P
Cadmium	ug/L	20	30.0	U	30.0	U			P
Chromium	ug/L	20	53.7		53.1		1		P
Lead	ug/L	20	67.1		75.0		11		P
Mercury	ug/L	20	2.00	U	2.00	U			CV
Selenium	ug/L	20	100	U	100	U			P
Silver	ug/L	20	50.0	U	50.0	U			P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: HDR, Inc. **Level:** LOW **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q3652-04MS **Client ID:** TP-1MSD

Percent Solids for Sample: NA **Duplicate ID** Q3652-04MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	3470		3780		9		P
Barium	ug/L	20	2140		2170		1		P
Cadmium	ug/L	20	832		908		9		P
Chromium	ug/L	20	1780		1900		7		P
Lead	ug/L	20	4100		4480		9		P
Mercury	ug/L	20	36.5		36.6		0		CV
Selenium	ug/L	20	8580		9420		9		P
Silver	ug/L	20	320		349		9		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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LABORATORY CONTROL SAMPLE SUMMARY

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170626BS							
Arsenic	ug/L	4000	3800		95	80 - 120	P
Barium	ug/L	1000	969		97	80 - 120	P
Cadmium	ug/L	1000	940		94	80 - 120	P
Chromium	ug/L	2000	1980		99	80 - 120	P
Lead	ug/L	5000	4630		93	80 - 120	P
Selenium	ug/L	10000	9540		95	80 - 120	P
Silver	ug/L	380	376		99	80 - 120	P

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LABORATORY CONTROL SAMPLE SUMMARY

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170634BS							
Mercury	ug/L	4.0	3.74		94	80 - 120	CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

TP-1L

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **Lb No.:** lb137974 **Lab Sample ID :** Q3652-04L **SDG No.:** Q3662

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Arsenic	100	U	500	U			P
Barium	1480		1350	J	9		P
Cadmium	30.0	U	150	U			P
Chromium	53.7		59.1	J	10		P
Lead	67.1		300	U	100.0		P
Mercury	2.00	U	10.0	U			CV
Selenium	100	U	500	U			P
Silver	50.0	U	250	U			P

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ANALYSIS RUN LOG

Client: HDR, Inc. **Contract:** HDRI08

Lab code: ACE **Sdg no.:** Q3662

Instrument id number: **Method:** **Run number:** LB137970

Start date: 11/19/2025 **End date:** 11/20/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1402	HG
S0.2	S0.2	1	1404	HG
S2.5	S2.5	1	1407	HG
S5	S5	1	1409	HG
S7.5	S7.5	1	1411	HG
S10	S10	1	1417	HG
ICV122	ICV122	1	1423	HG
ICB122	ICB122	1	1425	HG
CCV15	CCV15	1	1428	HG
CCB15	CCB15	1	1430	HG
CRA	CRA	1	1432	HG
PB170634BL	PB170634BL	1	1439	HG
PB170634BS	PB170634BS	1	1441	HG
Q3652-04DUP	TP-1DUP	1	1446	HG
Q3652-04MS	TP-1MS	1	1448	HG
Q3652-04MSD	TP-1MSD	1	1450	HG
CCV16	CCV16	1	1455	HG
CCB16	CCB16	1	1457	HG
Q3662-05	B1-0.0-1.0-20251117	1	1504	HG
CCV17	CCV17	1	0742	HG
CCB17	CCB17	1	0745	HG
PB170600TB	PB170600TB	1	0747	HG
Q3652-04L	TP-1L	5	0749	HG
CCV18	CCV18	1	0802	HG
CCB18	CCB18	1	0804	HG

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metals
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ANALYSIS RUN LOG

Client: HDR, Inc. **Contract:** HDRI08

Lab code: ACE **Sdg no.:** Q3662

Instrument id number: **Method:** **Run number:** LB137974

Start date: 11/19/2025 **End date:** 11/19/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1220	Ag,As,Ba,Cd,Cr,Pb,Se
S1	S1	1	1224	Ag,As,Ba,Cd,Cr,Pb,Se
S2	S2	1	1228	Ag,As,Ba,Cd,Cr,Pb,Se
S3	S3	1	1232	Ag,As,Ba,Cd,Cr,Pb,Se
S4	S4	1	1236	Ag,As,Ba,Cd,Cr,Pb,Se
S5	S5	1	1241	Ag,As,Ba,Cd,Cr,Pb,Se
ICV01	ICV01	1	1245	Ag,As,Ba,Cd,Cr,Pb,Se
LLICV01	LLICV01	1	1249	Ag,As,Ba,Cd,Cr,Pb,Se
ICB01	ICB01	1	1253	Ag,As,Ba,Cd,Cr,Pb,Se
CRI01	CRI01	1	1257	Ag,As,Ba,Cd,Cr,Pb,Se
ICSA01	ICSA01	1	1302	Ag,As,Ba,Cd,Cr,Pb,Se
ICSAB01	ICSAB01	1	1306	Ag,As,Ba,Cd,Cr,Pb,Se
CCV01	CCV01	1	1319	Ag,As,Ba,Cd,Cr,Pb,Se
CCB01	CCB01	1	1323	Ag,As,Ba,Cd,Cr,Pb,Se
PB170626BL	PB170626BL	1	1336	Ag,As,Ba,Cd,Cr,Pb,Se
PB170626BS	PB170626BS	1	1340	Ag,As,Ba,Cd,Cr,Pb,Se
CCV02	CCV02	1	1456	Ag,As,Ba,Cd,Cr,Pb,Se
CCB02	CCB02	1	1500	Ag,As,Ba,Cd,Cr,Pb,Se
CCV03	CCV03	1	1614	Ag,As,Ba,Cd,Cr,Pb,Se
CCB03	CCB03	1	1618	Ag,As,Ba,Cd,Cr,Pb,Se
Q3652-04DUP	TP-1DUP	1	1644	Ag,As,Ba,Cd,Cr,Pb,Se
Q3652-04L	TP-1L	5	1648	Ag,As,Ba,Cd,Cr,Pb,Se
Q3652-04MS	TP-1MS	1	1652	Ag,As,Ba,Cd,Cr,Pb,Se
Q3652-04MSD	TP-1MSD	1	1656	Ag,As,Ba,Cd,Cr,Pb,Se
Q3652-04A	TP-1A	1	1701	Ba
CCV04	CCV04	1	1705	Ag,As,Ba,Cd,Cr,Pb,Se
CCB04	CCB04	1	1709	Ag,As,Ba,Cd,Cr,Pb,Se
Q3662-05	B1-0.0-1.0-20251117	1	1727	Ag,As,Ba,Cd,Cr,Pb,Se
PB170600TB	PB170600TB	1	1749	Ag,As,Ba,Cd,Cr,Pb,Se
CCV05	CCV05	1	1807	Ag,As,Ba,Cd,Cr,Pb,Se
CCB05	CCB05	1	1811	Ag,As,Ba,Cd,Cr,Pb,Se
CCV06	CCV06	1	1835	Ag,As,Ba,Cd,Cr,Pb,Se
CCB06	CCB06	1	1842	Ag,As,Ba,Cd,Cr,Pb,Se

METAL PREPARATION & INSTRUMENT DATA

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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ICP INTERELEMENT CORRECTION FACTORS

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000

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LAB CHRONICLE

OrderID:	Q3662	**OrderDate:**	11/18/2025 11:14:00 AM
Client:	HDR, Inc.	**Project:**	PVWC Linear Construction
Contact:	Andrew Wadden	**Location:**	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3662-02	**B3-0.0-1.0-20251117**	**SOIL**			**11/17/25**			**11/18/25**
			Mercury	7471B		11/19/25	11/19/25	
			Metals ICP-TAL	6010D		11/19/25	11/19/25	
Q3662-04	**B1-0.0-1.0-20251117**	**SOIL**			**11/17/25**			**11/18/25**
			Mercury	7471B		11/19/25	11/19/25	
			Metals ICP-TAL	6010D		11/19/25	11/19/25	
Q3662-05	**B1-0.0-1.0-20251117**	**TCLP**			**11/17/25**			**11/18/25**
			TCLP ICP Metals	6010D		11/19/25	11/19/25	
			TCLP Mercury	7470A		11/19/25	11/19/25	

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB170626**						
PB170600TB	PB170600TB	MB	WATER	11/19/2025	5.0	25.0	
PB170626BL	PB170626BL	MB	WATER	11/19/2025	5.0	25.0	
PB170626BS	PB170626BS	LCS	WATER	11/19/2025	5.0	25.0	
Q3652-04DUP	TP-1DUP	DUP	WATER	11/19/2025	5.0	25.0	
Q3652-04MS	TP-1MS	MS	WATER	11/19/2025	5.0	25.0	
Q3652-04MSD	TP-1MSD	MSD	WATER	11/19/2025	5.0	25.0	
Q3662-05	B1-0.0-1.0-20251117	SAM	WATER	11/19/2025	5.0	25.0	

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Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: HDR, Inc. **SDG No.:** Q3662

Contract: HDRI08 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB170634**						
PB170600TB	PB170600TB	MB	WATER	11/19/2025	3.0	30.0	
PB170634BL	PB170634BL	MB	WATER	11/19/2025	30.0	30.0	
PB170634BS	PB170634BS	LCS	WATER	11/19/2025	30.0	30.0	
Q3652-04DUP	TP-1DUP	DUP	WATER	11/19/2025	3.0	30.0	
Q3652-04MS	TP-1MS	MS	WATER	11/19/2025	3.0	30.0	
Q3652-04MSD	TP-1MSD	MSD	WATER	11/19/2025	3.0	30.0	
Q3662-05	B1-0.0-1.0-20251117	SAM	WATER	11/19/2025	3.0	30.0	

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137970

Review By	mohan	Review On	11/20/2025 12:53:46 PM
Supervise By	jaswal	Supervise On	11/21/2025 12:23:46 PM

STD. NAME	STD REF.#
ICAL Standard	MP88014,MP88015,MP88016,MP88017,MP88018,MP88019
ICV Standard	MP88020
CCV Standard	MP88022
ICSA Standard	
CRI Standard	MP88024
LCS Standard	
Chk Standard	MP88021,MP88023,MP88025,MP88027

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	11/19/25 14:02		mohan	OK
2	S0.2	S0.2	CAL2	11/19/25 14:04		mohan	OK
3	S2.5	S2.5	CAL3	11/19/25 14:07		mohan	OK
4	S5	S5	CAL4	11/19/25 14:09		mohan	OK
5	S7.5	S7.5	CAL5	11/19/25 14:11		mohan	OK
6	S10	S10	CAL6	11/19/25 14:17		mohan	OK
7	ICV122	ICV122	ICV	11/19/25 14:23		mohan	OK
8	ICB122	ICB122	ICB	11/19/25 14:25		mohan	OK
9	CCV15	CCV15	CCV	11/19/25 14:28		mohan	OK
10	CCB15	CCB15	CCB	11/19/25 14:30		mohan	OK
11	CRA	CRA	CRDL	11/19/25 14:32		mohan	OK
12	HighStd	HighStd	HIGH STD	11/19/25 14:34		mohan	OK
13	ChkStd	ChkStd	SAM	11/19/25 14:37		mohan	OK
14	PB170634BL	PB170634BL	MB	11/19/25 14:39		mohan	OK
15	PB170634BS	PB170634BS	LCS	11/19/25 14:41		mohan	OK
16	Q3652-04	TP-1	SAM	11/19/25 14:43		mohan	OK
17	Q3652-04DUP	TP-1DUP	DUP	11/19/25 14:46		mohan	OK
18	Q3652-04MS	TP-1MS	MS	11/19/25 14:48		mohan	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137970

Review By	mohan	Review On	11/20/2025 12:53:46 PM
Supervise By	jaswal	Supervise On	11/21/2025 12:23:46 PM

STD. NAME	STD REF.#
ICAL Standard	MP88014,MP88015,MP88016,MP88017,MP88018,MP88019
ICV Standard	MP88020
CCV Standard	MP88022
ICSA Standard	
CRI Standard	MP88024
LCS Standard	
Chk Standard	MP88021,MP88023,MP88025,MP88027

19	Q3652-04MSD	TP-1MSD	MSD	11/19/25 14:50		mohan	OK
20	Q3657-01	SEWAREN-CONCRE	SAM	11/19/25 14:53		mohan	OK
21	CCV16	CCV16	CCV	11/19/25 14:55		mohan	OK
22	CCB16	CCB16	CCB	11/19/25 14:57		mohan	OK
23	Q3659-01	TANK-1-COMP-1	SAM	11/19/25 14:59		mohan	OK
24	Q3659-02	TANK-1-COMP-2	SAM	11/19/25 15:02		mohan	OK
25	Q3662-05	B1-0.0-1.0-20251117	SAM	11/19/25 15:04		mohan	OK
26	PB170635BL	PB170635BL	MB	11/19/25 15:06		mohan	OK
27	PB170635BS	PB170635BS	LCS	11/19/25 15:08		mohan	OK
28	Q3666-02	BUR-25-0102	SAM	11/19/25 15:11		mohan	OK
29	Q3666-02DUP	BUR-25-0102DUP	DUP	11/19/25 15:13		mohan	OK
30	Q3666-02MS	BUR-25-0102MS	MS	11/19/25 15:15		mohan	OK
31	Q3666-02MSD	BUR-25-0102MSD	MSD	11/19/25 15:18		mohan	OK
32	CCV17	CCV17	CCV	11/20/25 07:42		mohan	OK
33	CCB17	CCB17	CCB	11/20/25 07:45		mohan	OK
34	PB170600TB	PB170600TB	MB	11/20/25 07:47		mohan	OK
35	Q3652-04L	TP-1L	SD	11/20/25 07:49		mohan	OK
36	Q3652-04A	TP-1A	PS	11/20/25 07:51		mohan	OK
37	Q3666-02A	BUR-25-0102A	PS	11/20/25 07:56		mohan	OK
38	Q3666-02L	BUR-25-0102L	SD	11/20/25 07:59		mohan	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137970

Review By	mohan	Review On	11/20/2025 12:53:46 PM
Supervise By	jaswal	Supervise On	11/21/2025 12:23:46 PM

STD. NAME	STD REF.#
ICAL Standard	MP88014,MP88015,MP88016,MP88017,MP88018,MP88019
ICV Standard	MP88020
CCV Standard	MP88022
ICSA Standard	
CRI Standard	MP88024
LCS Standard	
Chk Standard	MP88021,MP88023,MP88025,MP88027

39	CCV18	CCV18	CCV	11/20/25 08:02		mohan	OK
40	CCB18	CCB18	CCB	11/20/25 08:04		mohan	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137974

Review By	jaswal	Review On	11/20/2025 12:52:04 PM
Supervise By	mohan	Supervise On	11/20/2025 1:09:45 PM

STD. NAME	STD REF.#
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638
ICV Standard	MP87644,MP87643
CCV Standard	MP87647
ICSA Standard	MP87645,MP87646
CRI Standard	MP87643
LCS Standard	
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	11/19/25 12:20		Jaswal	OK
2	S1	S1	CAL2	11/19/25 12:24		Jaswal	OK
3	S2	S2	CAL3	11/19/25 12:28		Jaswal	OK
4	S3	S3	CAL4	11/19/25 12:32		Jaswal	OK
5	S4	S4	CAL5	11/19/25 12:36		Jaswal	OK
6	S5	S5	CAL6	11/19/25 12:41		Jaswal	OK
7	ICV01	ICV01	ICV	11/19/25 12:45		Jaswal	OK
8	LLICV01	LLICV01	LLICV	11/19/25 12:49		Jaswal	OK
9	ICB01	ICB01	ICB	11/19/25 12:53		Jaswal	OK
10	CRI01	CRI01	CRDL	11/19/25 12:57		Jaswal	OK
11	ICSA01	ICSA01	ICSA	11/19/25 13:02		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	11/19/25 13:06		Jaswal	OK
13	ICSADL	ICSADL	ICSA	11/19/25 13:10		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	11/19/25 13:14		Jaswal	OK
15	CCV01	CCV01	CCV	11/19/25 13:19		Jaswal	OK
16	CCB01	CCB01	CCB	11/19/25 13:23		Jaswal	OK
17	PB170617BL	PB170617BL	MB	11/19/25 13:27		Jaswal	OK
18	PB170617BS	PB170617BS	LCS	11/19/25 13:32		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137974

Review By	jaswal	Review On	11/20/2025 12:52:04 PM
Supervise By	mohan	Supervise On	11/20/2025 1:09:45 PM

STD. NAME	STD REF.#
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638
ICV Standard	MP87644,MP87643
CCV Standard	MP87647
ICSA Standard	MP87645,MP87646
CRI Standard	MP87643
LCS Standard	
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650

19	PB170626BL	PB170626BL	MB	11/19/25 13:36		Jaswal	OK
20	PB170626BS	PB170626BS	LCS	11/19/25 13:40		Jaswal	OK
21	LR-1	LR-1	HIGH STD	11/19/25 14:09		Jaswal	OK
22	LR-2	LR-2	HIGH STD	11/19/25 14:19		Jaswal	OK
23	LR-3	LR-3	HIGH STD	11/19/25 14:30		Jaswal	OK
24	Q3662-02	B3-0.0-1.0-20251117	SAM	11/19/25 14:34		Jaswal	OK
25	Q3662-04	B1-0.0-1.0-20251117	SAM	11/19/25 14:38		Jaswal	OK
26	Q3664-01	ARS20-0001	SAM	11/19/25 14:42		Jaswal	OK
27	CCV02	CCV02	CCV	11/19/25 14:56		Jaswal	OK
28	CCB02	CCB02	CCB	11/19/25 15:00		Jaswal	OK
29	Q3664-03	ARS20-0013	SAM	11/19/25 15:05		Jaswal	OK
30	Q3664-05	291399	SAM	11/19/25 15:09		Jaswal	OK
31	Q3667-01	RIGHT-SIDE-WALL	SAM	11/19/25 15:13		Jaswal	OK
32	Q3667-05	LEFT-SIDE-FLOOR	SAM	11/19/25 15:22		Jaswal	OK
33	Q3667-03	LEFT-SIDE-WALL	SAM	11/19/25 15:44		Jaswal	OK
34	Q3667-07	ELEVATED-DIVIDE	SAM	11/19/25 15:48		Jaswal	OK
35	Q3668-01	2015	SAM	11/19/25 15:53		Jaswal	OK
36	Q3669-01	EO-01-11182025	SAM	11/19/25 15:57		Jaswal	OK
37	Q3669-01DUP	EO-01-11182025DUP	DUP	11/19/25 16:01		Jaswal	OK
38	Q3669-01L	EO-01-11182025L	SD	11/19/25 16:05		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137974

Review By	jaswal	Review On	11/20/2025 12:52:04 PM
Supervise By	mohan	Supervise On	11/20/2025 1:09:45 PM

STD. NAME	STD REF.#
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638
ICV Standard	MP87644,MP87643
CCV Standard	MP87647
ICSA Standard	MP87645,MP87646
CRI Standard	MP87643
LCS Standard	
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650

39	CCV03	CCV03	CCV	11/19/25 16:14		Jaswal	OK
40	CCB03	CCB03	CCB	11/19/25 16:18		Jaswal	OK
41	Q3669-01MS	EO-01-11182025MS	MS	11/19/25 16:22		Jaswal	OK
42	Q3669-01MSD	EO-01-11182025MSD	MSD	11/19/25 16:26		Jaswal	OK
43	Q3583-07	CHRT27080	SAM	11/19/25 16:35		Jaswal	OK
44	Q3652-04	TP-1	SAM	11/19/25 16:39		Jaswal	OK
45	Q3652-04DUP	TP-1DUP	DUP	11/19/25 16:44		Jaswal	OK
46	Q3652-04L	TP-1L	SD	11/19/25 16:48		Jaswal	OK
47	Q3652-04MS	TP-1MS	MS	11/19/25 16:52		Jaswal	OK
48	Q3652-04MSD	TP-1MSD	MSD	11/19/25 16:56		Jaswal	OK
49	Q3652-04A	TP-1A	PS	11/19/25 17:01	0.1ML M6008,M6017-10ML SAMPLE	Jaswal	OK
50	CCV04	CCV04	CCV	11/19/25 17:05		Jaswal	OK
51	CCB04	CCB04	CCB	11/19/25 17:09		Jaswal	OK
52	Q3657-01	SEWAREN-CONCRE	SAM	11/19/25 17:13		Jaswal	OK
53	Q3659-01	TANK-1-COMP-1	SAM	11/19/25 17:18		Jaswal	OK
54	Q3659-02	TANK-1-COMP-2	SAM	11/19/25 17:22		Jaswal	OK
55	Q3662-05	B1-0.0-1.0-20251117	SAM	11/19/25 17:27		Jaswal	OK
56	Q3667-02	RIGHT-SIDE-WALL	SAM	11/19/25 17:31		Jaswal	OK
57	Q3667-04	LEFT-SIDE-WALL	SAM	11/19/25 17:35		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137974

Review By	jaswal	Review On	11/20/2025 12:52:04 PM
Supervise By	mohan	Supervise On	11/20/2025 1:09:45 PM

STD. NAME	STD REF.#
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638
ICV Standard	MP87644,MP87643
CCV Standard	MP87647
ICSA Standard	MP87645,MP87646
CRI Standard	MP87643
LCS Standard	
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650

58	Q3667-06	LEFT-SIDE-FLOOR	SAM	11/19/25 17:40		Jaswal	OK
59	Q3667-08	ELEVATED-DIVIDE	SAM	11/19/25 17:45		Jaswal	OK
60	PB170600TB	PB170600TB	MB	11/19/25 17:49		Jaswal	OK
61	Q3667-03DL	LEFT-SIDE-WALLDL	SAM	11/19/25 17:54	NOT USE	Jaswal	Not Ok
62	CCV05	CCV05	CCV	11/19/25 18:07		Jaswal	OK
63	CCB05	CCB05	CCB	11/19/25 18:11		Jaswal	OK
64	Q3667-07DL	ELEVATED-DIVIDEDL	SAM	11/19/25 18:15	NOT USE	Jaswal	Not Ok
65	Q3669-01A	EO-01-11182025A	PS	11/19/25 18:20	0.1ML M6008,M6017-10ML SAMPLE	Jaswal	OK
66	CCV06	CCV06	CCV	11/19/25 18:35		Jaswal	OK
67	CCB06	CCB06	CCB	11/19/25 18:42		Jaswal	OK

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB170626

SOP ID : M3010A-Digestion-17

SDG No : N/A

Matrix : WATER

Pippete ID: ICP A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #3

Block ID: 1. HOT BLOCK #1 2. N/A

Start Digest Date: 11/19/2025 **Time :** 12:30 **Temp :** 96 °C

End Digest Date: 11/19/2025 **Time :** ~~15:32~~ 13:32 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: SKG

Supervisor Signature:

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6209
LFS-2	0.25	M6201
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Conc. HNO3	3.00	M6187
1:1 HCL	5.00	MP87148
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:

HOT BLOCK#1 CELL#50 96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/19/25 ~~13:35~~ 13:35	SKG met dig	SA Metals Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB170626

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB170600TB	PB170600TB	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	1
PB170626BL	PBW626	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	2
PB170626BS	LCS626	<2	5	25	Colorless	Colorless	Clear	Clear	M6209,M6201	3
Q3583-07	CHRT27080	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	4
Q3652-04MS	TP-1MS	<2	5	25	Colorless	Colorless	Clear	Clear	M6209,M6201	7
Q3652-04MSD	TP-1MSD	<2	5	25	Colorless	Colorless	Clear	Clear	M6209,M6201	8
Q3652-04DUP	TP-1DUP	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	6
Q3652-04	TP-1	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	5
Q3657-01	SEWAREN-CONCRETE	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	9
Q3659-01	TANK-1-COMP-1	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	10
Q3659-02	TANK-1-COMP-2	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	11
Q3662-05	B3-0.0-1.0-20251117	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	12
Q3667-02	RIGHT-SIDE-WALL	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	13
Q3667-04	LEFT-SIDE-WALL	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	14
Q3667-06	LEFT-SIDE-FLOOR	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	15
Q3667-08	ELEVATED-DIVIDE	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	16

A
B
C
D
E
F
G
H
I
J

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB170634

SOP ID : M7470A-Mercury-20

SDG No : N/A

Matrix : WATER

Pippete ID: HG A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #1

Block ID: 1. HOT BLOCK #3 2. N/A

Start Digest Date: 11/19/2025 **Time :** 12:30 **Temp :** 96 °C

End Digest Date: 11/19/2025 **Time :** ~~14:32~~ 13:32 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #3

Dig Technician Signature: mn

Supervisor Signature: mn

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP88020
CCV	30mL	MP88022
CRA	30mL	MP88024
Blank Spike	0.48mL	MP88013
Matrix Spike	0.48mL	MP88013

Chemical Used	ML/SAMPLE USED	Lot Number
HNO3/H2SO4(1:2)	2.25mL	MP87633
KMnO4 (5%)	4.5mL	MP87634
K2S2O8 (5%)	2.4mL	MP87635
Hydroxylamine HCL (12%)	1.8mL	MP87636
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

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
0.0 ppb	S0	30mL	MP88014
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP88015
2.5 ppb	S2.5	30mL	MP88016
5.0 ppb	S5.0	30mL	MP88017
7.5 ppb	S7.5	30mL	MP88018
10.0 ppb	S10.0	30mL	MP88019
ICV	ICV	30mL	MP88020
ICB	ICB	30mL	MP88021
CCV	CCV	30mL	MP88022
CCB	CCB	30mL	MP88023
CRI	CRI	30mL	MP88024
CHK STD	CHK STD	30mL	MP88025

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/19/25 ~~15:32~~ 14:00	mn metlab	mn met lab
13:45	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB170634

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
PB170600TB	PB170600TB	3	30	<2	N/A	7
PB170634BL	PBW634	30	30	<2	N/A	8
PB170634BS	LCS634	30	30	<2	MP88013	9
Q3652-04MS	TP-1MS	3	30	<2	MP88013	12
Q3652-04MSD	TP-1MSD	3	30	<2	MP88013	13
Q3652-04DUP	TP-1DUP	3	30	<2	N/A	11
Q3652-04	TP-1	3	30	<2	N/A	10
Q3657-01	SEWAREN-CONCRETE	3	30	<2	N/A	14
Q3659-01	TANK-1-COMP-1	3	30	<2	N/A	15
Q3659-02	TANK-1-COMP-2	3	30	<2	N/A	16
Q3662-05	B1-0.0-1.0-20251117	3	30	<2	N/A	17

A B C D E F G H I J

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB170600

SOP ID : M1311-TCLP-16

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-1

TCLP Filter ID : 40819719

Start Prep Date : 11/18/2025 **Time :** 16:00

End Prep Date : 11/19/2025 **Time :** 10:25

Combination Ratio : 20

ZHE Cleaning Batch : N/A 18

Initial Room Temperature: 24 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : 18

Supervisor By : 12

Standared Name	MLS USED	STD REF. # FROM LOG
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

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP114526
HCL-TCLP,1N	N/A	WP114527
HNO3-TCLP,1N	N/A	WP114528
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	W1940,W1941,W1942	W3166,W1938,W1939,
1 Liter Amber	N/A	90924-08
120ml Plastic bottle	N/A	2738
1:1 HNO3	N/A	MP86978

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftration and before preservation. TUMBLER T-1 checked,30 rpm. q3652-04 is used FOR MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/19/25 11:30	18 1211 Room	SRS. RJ EXT
	Preparation Group	Analysis Group Metals

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB170600

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB170600TB	LEB600	11	N/A	2000	N/A	N/A	N/A	4.94	1.0	T-1
Q3583-07	CHRT27080	01	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q3652-04	TP-1	02	100.03	2000	N/A	N/A	N/A	4.0	1.5	T-1
Q3657-01	SEWAREN-CONCRETE	03	100.04	2000	N/A	N/A	N/A	10.5	1.0	T-1
Q3659-01	TANK-1-COMP-1	04	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q3659-02	TANK-1-COMP-2	05	100.03	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q3662-05	B3-0.0-1.0-20251117	06	100.04	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q3667-02	RIGHT-SIDE-WALL	07	100.03	2000	N/A	N/A	N/A	10.0	1.5	T-1
Q3667-04	LEFT-SIDE-WALL	08	100.02	2000	N/A	N/A	N/A	11.0	1.0	T-1
Q3667-06	LEFT-SIDE-FLOOR	09	100.01	2000	N/A	N/A	N/A	11.0	1.5	T-1
Q3667-08	ELEVATED-DIVIDE	10	100.02	2000	N/A	N/A	N/A	10.5	1.0	T-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB170600TB	LEB600	N/A	N/A	N/A	N/A	N/A	N/A
Q3583-07	CHRT27080	N/A	N/A	N/A	N/A	100	N/A
Q3652-04	TP-1	N/A	N/A	N/A	N/A	100	N/A
Q3657-01	SEWAREN-CONCRETE	N/A	N/A	N/A	N/A	100	N/A
Q3659-01	TANK-1-COMP-1	N/A	N/A	N/A	N/A	100	N/A
Q3659-02	TANK-1-COMP-2	N/A	N/A	N/A	N/A	100	N/A
Q3662-05	B3-0.0-1.0-20251117	N/A	N/A	N/A	N/A	100	N/A
Q3667-02	RIGHT-SIDE-WALL	N/A	N/A	N/A	N/A	100	N/A
Q3667-04	LEFT-SIDE-WALL	N/A	N/A	N/A	N/A	100	N/A
Q3667-06	LEFT-SIDE-FLOOR	N/A	N/A	N/A	N/A	100	N/A
Q3667-08	ELEVATED-DIVIDE	N/A	N/A	N/A	N/A	100	N/A

Alliance TECHNICAL GROUP

TCLP Fluid Determination

PB170600

Hot Block ID : WC S-1 / WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
PB170600TB	LEB600	N/A	N/A	N/A	N/A	#1	4.93
Q3583-07	CHRT27080	5.02	96.5	7.0	2.5	#1	4.93
Q3652-04	TP-1	5.01	96.5	6.6	2.0	#1	4.93
Q3657-01	SEWAREN-CONCRETE	5.03	96.5	11.0	4.0	#1	4.93
Q3659-01	TANK-1-COMP-1	5.04	96.5	7.0	2.5	#1	4.93
Q3659-02	TANK-1-COMP-2	5.05	96.5	6.6	2.0	#1	4.93
Q3662-05	B3-0.0-1.0-20251117	5.02	96.5	6.0	2.0	#1	4.93
Q3667-02	RIGHT-SIDE-WALL	5.03	96.5	10.5	4.0	#1	4.93
Q3667-04	LEFT-SIDE-WALL	5.02	96.5	11.5	4.5	#1	4.93
Q3667-06	LEFT-SIDE-FLOOR	5.03	96.5	11.5	4.5	#1	4.93
Q3667-08	ELEVATED-DIVIDE	5.02	96.5	11.0	4.5	#1	4.93

SAMPLE DATA

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/17/25 09:30
Project:	PVWC Linear Construction	Date Received:	11/18/25
Client Sample ID:	B3-0.0-1.0-20251117	SDG No.:	Q3662
Lab Sample ID:	Q3662-02	Matrix:	SOIL
		% Solid:	84.7

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.15	J	1	0.048	0.28	mg/Kg	11/19/25 08:20	11/19/25 10:44	9012B

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/17/25 11:05
Project:	PVWC Linear Construction	Date Received:	11/18/25
Client Sample ID:	B1-0.0-1.0-20251117	SDG No.:	Q3662
Lab Sample ID:	Q3662-04	Matrix:	SOIL
		% Solid:	88.1

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.15	J	1	0.047	0.28	mg/Kg	11/19/25 08:20	11/19/25 11:46	9012B
Hexavalent Chromium	0.63		1	0.079	0.45	mg/Kg	11/19/25 09:00	11/19/25 13:22	7196A
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		11/19/25 08:45	9095B

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/17/25 11:05
Project:	PVWC Linear Construction	Date Received:	11/18/25
Client Sample ID:	B1-0.0-1.0-20251117	SDG No.:	Q3662
Lab Sample ID:	Q3662-05	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	6.08	H	1	0	0	pH		11/20/25 08:30	9045D
Ignitability	NO		1	0	0	oC		11/19/25 09:35	1030
Reactive Cyanide	0.0083	U	1	0.0083	0.049	mg/Kg	11/20/25 12:15	11/20/25 15:09	9012B
Reactive Sulfide	3.18	J	1	0.20	10.0	mg/Kg	11/20/25 12:00	11/20/25 16:23	9034

Comments: pH result reported at temperature 20.8 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

QC RESULT SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Initial and Continuing Calibration Verification

Client: HDR, Inc. **SDG No.:** Q3662

Project: PVWC Linear Construction **RunNo.:** LB137963

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV						
Hexavalent Chromium	mg/L	0.492	0.5	98	90-110	11/19/2025
Sample ID: CCV1						
Hexavalent Chromium	mg/L	0.491	0.5	98	90-110	11/19/2025
Sample ID: CCV2						
Hexavalent Chromium	mg/L	0.491	0.5	98	90-110	11/19/2025
Sample ID: CCV3						
Hexavalent Chromium	mg/L	0.495	0.5	99	90-110	11/19/2025

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Initial and Continuing Calibration Verification

Client: HDR, Inc. **SDG No.:** Q3662

Project: PVWC Linear Construction **RunNo.:** LB137965

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV1**						
Cyanide		mg/L	0.095	0.099	96	90-110	11/19/2025
Sample ID:	**CCV1**						
Cyanide		mg/L	0.25	0.25	100	90-110	11/19/2025
Sample ID:	**CCV2**						
Cyanide		mg/L	0.24	0.25	96	90-110	11/19/2025
Sample ID:	**CCV3**						
Cyanide		mg/L	0.25	0.25	100	90-110	11/19/2025

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Initial and Continuing Calibration Verification

Client: HDR, Inc. **SDG No.:** Q3662

Project: PVWC Linear Construction **RunNo.:** LB137975

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV**						
Corrosivity		pH	7.00	7	100	90-110	11/20/2025
Sample ID:	**CCV1**						
Corrosivity		pH	2.02	2.00	101	90-110	11/20/2025
Sample ID:	**CCV2**						
Corrosivity		pH	12.02	12.00	100	90-110	11/20/2025

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Initial and Continuing Calibration Verification

Client: HDR, Inc. **SDG No.:** Q3662

Project: PVWC Linear Construction **RunNo.:** LB137996

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Reactive Cyanide	mg/L	0.096	0.099	97	85-115	11/20/2025
Sample ID: CCV1						
Reactive Cyanide	mg/L	0.24	0.25	96	90-110	11/20/2025
Sample ID: CCV2						
Reactive Cyanide	mg/L	0.24	0.25	96	90-110	11/20/2025

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Initial and Continuing Calibration Blank Summary

Client: HDR, Inc. **SDG No.:** Q3662

Project: PVWC Linear Construction **RunNo.:** LB137963

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	11/19/2025
Sample ID: CCB1							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	11/19/2025
Sample ID: CCB2							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	11/19/2025
Sample ID: CCB3							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	11/19/2025

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Initial and Continuing Calibration Blank Summary

Client: HDR, Inc. **SDG No.:** Q3662

Project: PVWC Linear Construction **RunNo.:** LB137965

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	ICB1							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00096	0.005	11/19/2025
Sample ID:	CCB1							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00096	0.005	11/19/2025
Sample ID:	CCB2							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00096	0.005	11/19/2025
Sample ID:	CCB3							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00096	0.005	11/19/2025

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Initial and Continuing Calibration Blank Summary

Client: HDR, Inc. **SDG No.:** Q3662

Project: PVWC Linear Construction **RunNo.:** LB137996

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Reactive Cyanide	mg/L	0.0011	0.0025	J	0.00096	0.005	11/20/2025
Sample ID: CCB1							
Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	11/20/2025
Sample ID: CCB2							
Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	11/20/2025

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Preparation Blank Summary

Client: HDR, Inc. **SDG No.:** Q3662

Project: PVWC Linear Construction

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: PB170592BL							
Hexavalent Chromium	mg/Kg	< 0.2000	0.2000	U	0.07	0.4	11/19/2025
Sample ID: PB170616BL							
Cyanide	mg/Kg	< 0.1250	0.1250	U	0.042	0.25	11/19/2025
Sample ID: PB170641BL							
Reactive Cyanide	mg/Kg	< 0.0250	0.0250	U	0.0084	0.05	11/20/2025
Sample ID: PB170643BL							
Reactive Sulfide	mg/Kg	< 5.0000	5.0000	U	0.201	10	11/20/2025

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Matrix Spike Summary

Client: HDR, Inc.
SDG No.: Q3662
Project: PVWC Linear Construction
Sample ID: Q3652-01
Client ID: TP-1MS
Percent Solids for Spike Sample: 86.5

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	75-125	1430		0.080	U	1480	40	97		11/19/2025

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Matrix Spike Summary

Client: HDR, Inc.
SDG No.: Q3662
Project: PVWC Linear Construction
Sample ID: Q3652-01
Client ID: TP-1MS
Percent Solids for Spike Sample: 86.5

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	85-115	43.5		0.080	U	46.2	2	94		11/19/2025

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Fax : 908 789 8922

Matrix Spike Summary

Client: HDR, Inc.
SDG No.: Q3662
Project: PVWC Linear Construction
Sample ID: Q3652-01
Client ID: TP-1MS
Percent Solids for Spike Sample: 86.5

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	75-125	39.4		0.080	U	46.2	2	85		11/19/2025

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Matrix Spike Summary

Client: HDR, Inc.
SDG No.: Q3662
Project: PVWC Linear Construction
Sample ID: Q3662-04
Client ID: B1-0.0-1.0-20251117MS
Percent Solids for Spike Sample: 88.1

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/Kg	75-125	2.00		0.15	J	2.2	1	84		11/19/2025

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

Matrix Spike Summary

Client: HDR, Inc.
SDG No.: Q3662
Project: PVWC Linear Construction
Sample ID: Q3662-04
Client ID: B1-0.0-1.0-20251117MSD
Percent Solids for Spike Sample: 88.1

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/Kg	75-125	2.00		0.15	J	2.2	1	84		11/19/2025

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

Duplicate Sample Summary

Client: HDR, Inc.
Project: PVWC Linear Construction
Client ID: TP-1DUP

SDG No.: Q3662
Sample ID: Q3652-01
Percent Solids for Spike Sample: 86.5

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	+/-20	0.080	U	0.080	U	1	0		11/19/2025

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

Duplicate Sample Summary

Client: HDR, Inc.
SDG No.: Q3662
Project: PVWC Linear Construction
Sample ID: Q3662-04
Client ID: B1-0.0-1.0-20251117DUP
Percent Solids for Spike Sample: 88.1

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Paint Filter	ml/100gm	+/-20	1.00	U	1.00	U	1	0		11/19/2025
Cyanide	mg/Kg	+/-20	0.15	J	0.15	J	1	0		11/19/2025

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

Duplicate Sample Summary

Client: HDR, Inc.
SDG No.: Q3662
Project: PVWC Linear Construction
Sample ID: Q3662-04
Client ID: B1-0.0-1.0-20251117MSD
Percent Solids for Spike Sample: 88.1

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	2.00		2.00		1	0		11/19/2025

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

Duplicate Sample Summary

Client: HDR, Inc.
SDG No.: Q3662
Project: PVWC Linear Construction
Sample ID: Q3662-05
Client ID: B1-0.0-1.0-20251117DUP
Percent Solids for Spike Sample: 100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Ignitability	oC	+/-20	NO		NO		1	0		11/19/2025
Corrosivity	pH	+/-20	6.08		6.10		1	0.33		11/20/2025
Reactive Sulfide	mg/Kg	+/-20	3.18	J	3.18	J	1	0		11/20/2025
Reactive Cyanide	mg/Kg	+/-20	0.0083	U	0.0091	J	1	200	*	11/20/2025

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Laboratory Control Sample Summary

Client: HDR, Inc. **SDG No.:** Q3662

Project: PVWC Linear Construction **Run No.:** LB137963

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB170592BS								
Hexavalent Chromium	mg/Kg	20	19.5		98	1	84-110	11/19/2025

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Laboratory Control Sample Summary

Client: HDR, Inc. **SDG No.:** Q3662

Project: PVWC Linear Construction **Run No.:** LB137965

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB170616BS								
Cyanide	mg/Kg	5	4.80		96	1	85-115	11/19/2025

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Instrument ID: FILTER/GRAVIMETRIC

Daily Analysis Runlog For Sequence/QCBatch ID # LB137960

Review By	Eman	Review On	11/19/2025 3:15:20 PM
Supervise By	Iwona	Supervise On	11/20/2025 10:41:01 AM
SubDirectory	LB137960	Test	Paint Filter

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	N/A

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	Q3662-04	B1-0.0-1.0-20251117	SAM	11/19/25 08:45		Eman	OK
2	Q3662-04DUP	B1-0.0-1.0-20251117D	DUP	11/19/25 08:52		Eman	OK
3	Q3664-01	ARS20-0001	SAM	11/19/25 08:59		Eman	OK
4	Q3664-03	ARS20-0013	SAM	11/19/25 09:07		Eman	OK
5	Q3664-05	291399	SAM	11/19/25 09:15		Eman	OK
6	Q3669-01	EO-01-11182025	SAM	11/19/25 09:22		Eman	OK

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Instrument ID: FLAME

Daily Analysis Runlog For Sequence/QCBatch ID # LB137961

Review By	Eman	Review On	11/19/2025 10:30:20 AM
Supervise By	Iwona	Supervise On	11/19/2025 10:30:27 AM
SubDirectory	LB137961	Test	Ignitability

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	N/A

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	Q3662-05	B1-0.0-1.0-20251117	SAM	11/19/25 09:35		Eman	OK
2	Q3662-05DUP	B1-0.0-1.0-20251117	DUP	11/19/25 09:42		Eman	OK
3	Q3666-01	BUR-25-0103	SAM	11/19/25 09:49		Eman	OK

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137963

Review By	rubina	Review On	11/19/2025 1:35:22 PM
Supervise By	Iwona	Supervise On	11/19/2025 1:35:34 PM
SubDirectory	LB137963	Test	Hexavalent Chromium

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP115688,WP115340,WP115339,WP114310

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	11/19/25 13:10		rubina	OK
2	CAL2	CAL2	CAL	11/19/25 13:10		rubina	OK
3	CAL3	CAL3	CAL	11/19/25 13:11		rubina	OK
4	CAL4	CAL4	CAL	11/19/25 13:11		rubina	OK
5	CAL5	CAL5	CAL	11/19/25 13:12		rubina	OK
6	CAL6	CAL6	CAL	11/19/25 13:12		rubina	OK
7	CAL7	CAL7	CAL	11/19/25 13:13		rubina	OK
8	ICV	ICV	ICV	11/19/25 13:13		rubina	OK
9	ICB	ICB	ICB	11/19/25 13:14		rubina	OK
10	CCV1	CCV1	CCV	11/19/25 13:14		rubina	OK
11	CCB1	CCB1	CCB	11/19/25 13:15		rubina	OK
12	RL Check	RL Check	RL	11/19/25 13:15		rubina	OK
13	PB170592BL	PB170592BL	MB	11/19/25 13:16		rubina	OK
14	PB170592BS	PB170592BS	LCS	11/19/25 13:16		rubina	OK
15	Q3652-01	TP-1	SAM	11/19/25 13:17		rubina	OK
16	Q3652-01DUP	TP-1DUP	DUP	11/19/25 13:17		rubina	OK
17	Q3652-01MSPre	TP-1MS	MS	11/19/25 13:18		rubina	OK
18	Q3652-01MS2Ins	TP-1MS	MS	11/19/25 13:18		rubina	OK

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137963

Review By	rubina	Review On	11/19/2025 1:35:22 PM
Supervise By	Iwona	Supervise On	11/19/2025 1:35:34 PM
SubDirectory	LB137963	Test	Hexavalent Chromium

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP115688,WP115340,WP115339,WP114310

19	Q3652-01MS3Post	TP-1MS	MS	11/19/25 13:19		rubina	OK
20	Q3656-01	T2-GRAVEL	SAM	11/19/25 13:19		rubina	OK
21	Q3658-01	NB-07-111725	SAM	11/19/25 13:20		rubina	OK
22	Q3659-01	TANK-1-COMP-1	SAM	11/19/25 13:20		rubina	OK
23	CCV2	CCV2	CCV	11/19/25 13:21		rubina	OK
24	CCB2	CCB2	CCB	11/19/25 13:21		rubina	OK
25	Q3659-02	TANK-1-COMP-2	SAM	11/19/25 13:22		rubina	OK
26	Q3662-04	B1-0.0-1.0-20251117	SAM	11/19/25 13:22		rubina	OK
27	Q3664-01	ARS20-0001	SAM	11/19/25 13:23		rubina	OK
28	Q3664-03	ARS20-0013	SAM	11/19/25 13:23		rubina	OK
29	Q3664-05	291399	SAM	11/19/25 13:24		rubina	OK
30	Q3669-01	EO-01-11182025	SAM	11/19/25 13:24		rubina	OK
31	CCV3	CCV3	CCV	11/19/25 13:25		rubina	OK
32	CCB3	CCB3	CCB	11/19/25 13:25		rubina	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB137965

Review By	rubina	Review On	11/19/2025 3:49:02 PM
Supervise By	Iwona	Supervise On	11/19/2025 3:49:19 PM
SubDirectory	LB137965	Test	Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP115736,WP115737,WP115738,WP115739,WP115740,WP115741,WP115742
ICV Standard	W3012
CCV Standard	WP115737
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP113838
Chk Standard	WP115157,WP114324,WP115743

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPBCN	0.0PPBCN	CAL1	11/19/25 09:35		rubina	OK
2	5.0PPBCN	5.0PPBCN	CAL2	11/19/25 09:35		rubina	OK
3	10PPBCN	10PPBCN	CAL3	11/19/25 09:35		rubina	OK
4	50PPBCN	50PPBCN	CAL4	11/19/25 09:35		rubina	OK
5	100PPBCN	100PPBCN	CAL5	11/19/25 09:35		rubina	OK
6	250PPBCN	250PPBCN	CAL6	11/19/25 09:35		rubina	OK
7	500PPBCN	500PPBCN	CAL7	11/19/25 09:35		rubina	OK
8	ICV1	ICV1	ICV	11/19/25 10:36		rubina	OK
9	ICB1	ICB1	ICB	11/19/25 10:36		rubina	OK
10	CCV1	CCV1	CCV	11/19/25 10:36		rubina	OK
11	CCB1	CCB1	CCB	11/19/25 10:36		rubina	OK
12	PB170616BL	PB170616BL	MB	11/19/25 10:36		rubina	OK
13	PB170616BS	PB170616BS	LCS	11/19/25 10:36		rubina	OK
14	LOWPB170616	LOWPB170616	SAM	11/19/25 10:44		rubina	OK
15	HIGHPB170616	HIGHPB170616	SAM	11/19/25 10:44		rubina	OK
16	Q3662-02	B3-0.0-1.0-20251117	SAM	11/19/25 10:44		rubina	OK
17	Q3664-01	ARS20-0001	SAM	11/19/25 10:51		rubina	OK
18	Q3664-03	ARS20-0013	SAM	11/19/25 10:59		rubina	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB137965

Review By	rubina	Review On	11/19/2025 3:49:02 PM
Supervise By	Iwona	Supervise On	11/19/2025 3:49:19 PM
SubDirectory	LB137965	Test	Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP115736,WP115737,WP115738,WP115739,WP115740,WP115741,WP115742
ICV Standard	W3012
CCV Standard	WP115737
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP113838
Chk Standard	WP115157,WP114324,WP115743

19	Q3664-05	291399	SAM	11/19/25 10:59		rubina	OK
20	Q3669-01	EO-01-11182025	SAM	11/19/25 10:59		rubina	OK
21	CCV2	CCV2	CCV	11/19/25 10:59		rubina	OK
22	CCB2	CCB2	CCB	11/19/25 11:03		rubina	OK
23	Q3662-04	B1-0.0-1.0-20251117	SAM	11/19/25 11:46		rubina	OK
24	Q3662-04DUP	B1-0.0-1.0-20251117D	DUP	11/19/25 11:46		rubina	OK
25	Q3662-04MS	B1-0.0-1.0-20251117M	MS	11/19/25 11:46		rubina	OK
26	Q3662-04MSD	B1-0.0-1.0-20251117M	MSD	11/19/25 11:46		rubina	OK
27	CCV3	CCV3	CCV	11/19/25 11:46		rubina	OK
28	CCB3	CCB3	CCB	11/19/25 11:46		rubina	OK

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Instrument ID: WC PH METER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137975

Review By	jignesh	Review On	11/20/2025 9:17:16 AM
Supervise By	Iwona	Supervise On	11/20/2025 10:17:12 AM
SubDirectory	LB137975	Test	Corrosivity

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	W3178,W3093,W3191,W3217,W3161,W3200

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	11/20/25 08:15		Jignesh	OK
2	CAL2	CAL2	CAL	11/20/25 08:16		Jignesh	OK
3	CAL3	CAL3	CAL	11/20/25 08:17		Jignesh	OK
4	ICV	ICV	ICV	11/20/25 08:20		Jignesh	OK
5	CCV1	CCV1	CCV	11/20/25 08:22		Jignesh	OK
6	Q3662-05	B1-0.0-1.0-20251117	SAM	11/20/25 08:30		Jignesh	OK
7	Q3662-05DUP	B1-0.0-1.0-20251117D	DUP	11/20/25 08:36		Jignesh	OK
8	Q3678-02	COMPOSITE-STONE	SAM	11/20/25 08:48		Jignesh	OK
9	CCV2	CCV2	CCV	11/20/25 08:50		Jignesh	OK

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Instrument ID: TITRAMETRIC

Daily Analysis Runlog For Sequence/QCBatch ID # LB137993

Review By	rubina	Review On	11/20/2025 4:42:35 PM
Supervise By	Iwona	Supervise On	11/20/2025 4:56:10 PM
SubDirectory	LB137993	Test	Reactive Sulfide

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	W3248,W3213,W3149

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	PB170643BL	PB170643BL	MB	11/20/25 16:20		rubina	OK
2	Q3662-05	B1-0.0-1.0-20251117	SAM	11/20/25 16:23		rubina	OK
3	Q3662-05DUP	B1-0.0-1.0-20251117D	DUP	11/20/25 16:26		rubina	OK
4	Q3678-02	COMPOSITE-STONE	SAM	11/20/25 16:29		rubina	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB137996

Review By	rubina	Review On	11/20/2025 5:26:09 PM
Supervise By	Iwona	Supervise On	11/21/2025 2:16:19 PM
SubDirectory	LB137996	Test	Reactive Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP115751,WP115752,WP115753,WP115754,WP115755,WP115756,WP115757
ICV Standard	WP115758
CCV Standard	WP115752
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP115157,WP114324,WP115759

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPBCN	0.0PPBCN	CAL1	11/20/25 09:29		rubina	OK
2	5.0PPBCN	5.0PPBCN	CAL2	11/20/25 09:29		rubina	OK
3	10PPBCN	10PPBCN	CAL3	11/20/25 09:29		rubina	OK
4	50PPBCN	50PPBCN	CAL4	11/20/25 09:29		rubina	OK
5	100PPBCN	100PPBCN	CAL5	11/20/25 09:29		rubina	OK
6	250PPBCN	250PPBCN	CAL6	11/20/25 09:29		rubina	OK
7	500PPBCN	500PPBCN	CAL7	11/20/25 09:29		rubina	OK
8	ICV1	ICV1	ICV	11/20/25 15:01		rubina	OK
9	ICB1	ICB1	ICB	11/20/25 15:01		rubina	OK
10	CCV1	CCV1	CCV	11/20/25 15:01		rubina	OK
11	CCB1	CCB1	CCB	11/20/25 15:01		rubina	OK
12	PB170641BL	PB170641BL	MB	11/20/25 15:01		rubina	OK
13	Q3662-05	B1-0.0-1.0-20251117	SAM	11/20/25 15:09		rubina	OK
14	Q3662-05DUP	B1-0.0-1.0-20251117D	DUP	11/20/25 15:09		rubina	OK
15	Q3678-02	COMPOSITE-STONE	SAM	11/20/25 15:09		rubina	OK
16	PB170642BL	PB170642BL	MB	11/20/25 15:09		rubina	OK
17	Q3682-01	3456	SAM	11/20/25 15:09		rubina	OK
18	Q3682-01DUP	3456DUP	DUP	11/20/25 15:09		rubina	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB137996

Review By	rubina	Review On	11/20/2025 5:26:09 PM
Supervise By	Iwona	Supervise On	11/21/2025 2:16:19 PM
SubDirectory	LB137996	Test	Reactive Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP115751,WP115752,WP115753,WP115754,WP115755,WP115756,WP115757
ICV Standard	WP115758
CCV Standard	WP115752
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP115157,WP114324,WP115759

19	Q3685-03	4206	SAM	11/20/25 15:16		rubina	OK
20	CCV2	CCV2	CCV	11/20/25 15:16		rubina	OK
21	CCB2	CCB2	CCB	11/20/25 15:20		rubina	OK

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LAB CHRONICLE

OrderID:	Q3662	**OrderDate:**	11/18/2025 11:14:00 AM
Client:	HDR, Inc.	**Project:**	PVWC Linear Construction
Contact:	Andrew Wadden	**Location:**	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3662-02	**B3-0.0-1.0-20251117**	**SOIL**			**11/17/25 09:30**			**11/18/25**
			Cyanide	9012B		11/19/25	11/19/25 10:44	
Q3662-04	**B1-0.0-1.0-20251117**	**SOIL**			**11/17/25 11:05**			**11/18/25**
			Cyanide	9012B		11/19/25	11/19/25 11:46	
			Hexavalent Chromium	7196A		11/19/25	11/19/25 13:22	
			Paint Filter	9095B			11/19/25 08:45	
Q3662-05	**B1-0.0-1.0-20251117**	**SOIL**			**11/17/25 11:05**			**11/18/25**
			Corrosivity	9045D			11/20/25 08:30	
			Ignitability	1030			11/19/25 09:35	
			Reactive Cyanide	9012B		11/20/25	11/20/25 15:09	
			Reactive Sulfide	9034		11/20/25	11/20/25 16:23	

Alliance TECHNICAL GROUP

Soil/Sludge Hexavalent Chromium Preparation Sheet

PB170592

SOP ID : M3060A,7196A-Hex.Chromium-27

SDG No : N/A

Matrix : SOIL

Pippete ID : WC

Balance ID : WC SC-7

Hood ID : HOOD#3

Block ID : WC S-2, WC S-1

Weigh By : RM

Start Digest Date: 11/19/2025 **Time :** 09:00 **Temp :** 90 °C

End Digest Date: 11/19/2025 **Time :** 10:00 **Temp :** 93 °C

11 batch
11/19/2025 10:25 90 è
11/19/2025 11:25 95 è] IR

Digestion tube ID : M6054

Filter paper ID : 400213

pH Meter ID : WC pH meter-1

Block Thermometer ID : WC-Block#1

Prep Technician Signature: RM

Supervisor Signature: 12

Standared Name	MLS USED	STD REF. # FROM LOG
PRE-DIGESTION SPIKE	2.0ML	WP113880
INSOLUBLE SPIKE	0.02GM	W2202
POST-DIGESTION SPIKE	2.0ML	WP113880
LCSS	1.0ML	WP113881
PBS003	50.ML	W3112

Chemical Used	ML/SAMPLE USED	Lot Number
MAGNESIUM CHLORIDE	0.4GM	W3152
PHOSPHATE BUFFER	5.0ML	WP115410
HEX. DIGESTION SOLN.	50.0ML	WP115338
5M HNO3	5-7ML	WP115339
5N H2SO4	1-3ML	WP115340
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

LAB SAMPLE ID	CLIENT SAMPLE ID	Vol(ml)	Comment
CAL1	CAL1	2.5ML	W3112
CAL2	CAL2	0.2ML	WP115734
CAL3	CAL3	0.5ML	WP115734
CAL4	CAL4	1ML	WP115734
CAL5	CAL5	0.2ML	WP113880
CAL6	CAL6	1ML	WP113880
CAL7	CAL7	2.0ML	WP113880
ICV	ICV	1ML	WP113881
ICB	ICB	2.5ML	W3112
CCV	CCV	1ML	WP113880
CCB	CCB	2.5ML	W3112

11/19/2025 IR

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Hexavalent Chromium Preparation Sheet

PB170592

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB170592BL	PBS592	2.50	100	N/A	N/A	N/A	N/A	N/A	N/A
PB170592BS	LCS592	2.50	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3652-01DUP	TP-1DUP	2.53	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3652-01MSPre	TP-1MSPRE	2.53	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3652-01MS2Ins	TP-1MS2INS	2.55	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3652-01MS3Post	TP-1MS3POST	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3652-01	TP-1	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3656-01	T2-GRAVEL	2.51	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3658-01	NB-07-111725	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3659-01	TANK-1-COMP-1	2.56	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3659-02	TANK-1-COMP-2	2.51	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3662-04	B3-0.0-1.0-20251117	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3664-01	ARS20-0001	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3664-03	ARS20-0013	2.57	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3664-05	291399	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3669-01	EO-01-11182025	2.58	100	N/A	N/A	N/A	N/A	N/A	N/A

Alliance TECHNICAL GROUP

Soil/Sludge Cyanide Preparation Sheet

PB170616

SOP ID : M9012B-Total, Amenable and Reactive Cyanide-21

SDG No : N/A

Start Digest Date: 11/19/2025 **Time :** 08:20 **Temp :** 123 °C

Matrix : SOIL

End Digest Date: 11/19/2025 **Time :** 09:50 **Temp :** 128 °C

Pippete ID : WC

Balance ID : WC SC-7

Hood ID : HOOD#1

Digestion tube ID : M5595

Block Thermometer ID : WC CYANIDE

Block ID : MC-1,MC-2

Filter paper ID : N/A

Prep Technician Signature: JP

Weigh By : JP

pH Meter ID : N/A

Supervisor Signature: JP

Standared Name	MLS USED	STD REF. # FROM LOG
LCSS	1.0ML	WP113838
MS/MSD SPIKE SOL.	0.40ML	WP113837
PBS003	50.0ML	W3112
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
0.25N NaOH	50.0ML	WP113836
50% v/v H2SO4	5.0ML	WP115334
51% w/v MgCL2	2.0ML	WP115335
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

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
S0	S0	N/A	N/A
S5.0	S5.0	N/A	N/A
S10.0	S10.0	N/A	N/A
S100.0	S100.0	N/A	N/A
S250.0	S250.0	N/A	N/A
S500.0	S500.0	N/A	N/A
ICV	ICV	0.5ML	W3012
ICB	ICB	N/A	N/A
CCV	CCV	N/A	N/A
CCB	CCB	N/A	N/A
Midrange	Midrange	N/A	N/A
HIGHSTD	HIGHSTD	5.0ML	WP113837
LOWSTD	LOWSTD	0.1ML	WP113837

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/19/2025 10:05	JP / WC	RM/WB
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Cyanide Preparation Sheet

PB170616

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB170616BL	PBS616	1.00	50	N/A	N/A	N/A	N/A	N/A	N/A
PB170616BS	LCS616	1.00	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3662-02	B3-0.0-1.0-20251117	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3662-04	B3-0.0-1.0-20251117	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3662-04DUP	B3-0.0-1.0-20251117DUP	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3662-04MS	B3-0.0-1.0-20251117MS	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3662-04MSD	B3-0.0-1.0-20251117MSD	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3664-01	ARS20-0001	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3664-03	ARS20-0013	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3664-05	291399	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3669-01	EO-01-11182025	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A

Alliance TECHNICAL GROUP

Soil/Sludge Reactive Cyanide Preparation Sheet

PB170641

SOP ID : M9012B-Total, Amenable and Reactive Cyanide-21

SDG No : N/A

Matrix : SOIL

Pippete ID : N/A

Balance ID : WC SC-7

Hood ID : HOOD#1

Block ID : MC-1

Weigh By : RM

Start Digest Date: 11/20/2025 **Time :** 12:15 **Temp :** N/A

End Digest Date: 11/20/2025 **Time :** 13:45 **Temp :** N/A

Digestion tube ID : M5595

Filter paper ID : N/A

pH Meter ID : N/A

Block Thermometer ID : N/A

Prep Technician Signature: RM

Supervisor Signature: 12

Standared Name	MLS USED	STD REF. # FROM LOG
PBS003	50.0ML	W3112
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
0.25N NaOH	50.0ML	WP113836
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

LAB SAMPLE ID	CLIENT SAMPLE ID		Comment

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/20/2025 14:00	RM (WC)	RM (WC)
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Reactive Cyanide Preparation Sheet

PB170641

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB170641BL	PBS641	5.00	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3662-05DUP	B1-0.0-1.0-20251117DUP	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3662-05	B1-0.0-1.0-20251117	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3678-02	COMPOSITE-STONE	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A

Alliance TECHNICAL GROUP

Soil/Sludge Reactive Sulfide Preparation Sheet

PB170643

SOP ID : M9030B-Sulfide-13

SDG No : N/A

Start Digest Date: 11/20/2025 **Time :** 12:00 **Temp :** N/A

Matrix : SOIL

End Digest Date: 11/20/2025 **Time :** 13:30 **Temp :** N/A

Pippete ID : WC

Balance ID : WC SC-7

Hood ID : HOOD#2 **Digestion tube ID :** M5595 **Block Thermometer ID :** N/A

Block ID : WC-DIST-BLOCK-1 **Filter paper ID :** N/A **Prep Technician Signature:** RM

Weigh By : IZ **pH Meter ID :** N/A **Supervisor Signature:** IZ

Standared Name	MLS USED	STD REF. # FROM LOG
PBS003	50.0ML	W3112
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
0.5M ZINC ACETATE	5.0ML	WP114311
FORMALDEHYDE	2.0ML	W3220
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:

11/20/2025 RM

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Reactive Sulfide Preparation Sheet

PB170643

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB170643BL	PBS643	5.00	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3662-05DUP	B1-0.0-1.0-20251117DUP	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3662-05	B1-0.0-1.0-20251117	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3678-02	COMPOSITE-STONE	5.06	50	N/A	N/A	N/A	N/A	N/A	N/A

A
B
C
D
E
F