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

Hit Summary Sheet
SW-846

SDG No.: Q3466

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: **VY023591.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:	10/23/25
Project:	PVWC Linear Construction	Date Received:	10/24/25
Client Sample ID:	B8-0.5-1.0-20251023	SDG No.:	Q3466
Lab Sample ID:	Q3466-01	Matrix:	SOIL
Analytical Method:	8260D Level : LOW	% Solid:	81.5
Sample Wt/Vol:	6.29 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	4.90	ug/Kg	10/27/25 12:07	VY102725
74-87-3	Chloromethane	1.10	U	1	1.10	4.90	ug/Kg	10/27/25 12:07	VY102725
75-01-4	Vinyl Chloride	0.77	U	1	0.77	4.90	ug/Kg	10/27/25 12:07	VY102725
74-83-9	Bromomethane	1.00	U	1	1.00	4.90	ug/Kg	10/27/25 12:07	VY102725
75-00-3	Chloroethane	1.20	U	1	1.20	4.90	ug/Kg	10/27/25 12:07	VY102725
75-69-4	Trichlorofluoromethane	1.20	U	1	1.20	4.90	ug/Kg	10/27/25 12:07	VY102725
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	1	1.00	4.90	ug/Kg	10/27/25 12:07	VY102725
75-35-4	1,1-Dichloroethene	0.98	U	1	0.98	4.90	ug/Kg	10/27/25 12:07	VY102725
67-64-1	Acetone	4.60	U	1	4.60	24.4	ug/Kg	10/27/25 12:07	VY102725
75-15-0	Carbon Disulfide	1.00	U	1	1.00	4.90	ug/Kg	10/27/25 12:07	VY102725
1634-04-4	Methyl tert-butyl Ether	0.71	U	1	0.71	4.90	ug/Kg	10/27/25 12:07	VY102725
79-20-9	Methyl Acetate	1.50	U	1	1.50	4.90	ug/Kg	10/27/25 12:07	VY102725
75-09-2	Methylene Chloride	3.40	U	1	3.40	9.80	ug/Kg	10/27/25 12:07	VY102725
156-60-5	trans-1,2-Dichloroethene	0.84	U	1	0.84	4.90	ug/Kg	10/27/25 12:07	VY102725
75-34-3	1,1-Dichloroethane	0.78	U	1	0.78	4.90	ug/Kg	10/27/25 12:07	VY102725
110-82-7	Cyclohexane	0.77	U	1	0.77	4.90	ug/Kg	10/27/25 12:07	VY102725
78-93-3	2-Butanone	6.40	U	1	6.40	24.4	ug/Kg	10/27/25 12:07	VY102725
56-23-5	Carbon Tetrachloride	0.95	U	1	0.95	4.90	ug/Kg	10/27/25 12:07	VY102725
156-59-2	cis-1,2-Dichloroethene	0.73	U	1	0.73	4.90	ug/Kg	10/27/25 12:07	VY102725
74-97-5	Bromochloromethane	1.10	U	1	1.10	4.90	ug/Kg	10/27/25 12:07	VY102725
67-66-3	Chloroform	0.82	U	1	0.82	4.90	ug/Kg	10/27/25 12:07	VY102725
71-55-6	1,1,1-Trichloroethane	0.91	U	1	0.91	4.90	ug/Kg	10/27/25 12:07	VY102725
108-87-2	Methylcyclohexane	0.89	U	1	0.89	4.90	ug/Kg	10/27/25 12:07	VY102725
71-43-2	Benzene	0.77	U	1	0.77	4.90	ug/Kg	10/27/25 12:07	VY102725
107-06-2	1,2-Dichloroethane	0.77	U	1	0.77	4.90	ug/Kg	10/27/25 12:07	VY102725
79-01-6	Trichloroethene	0.79	U	1	0.79	4.90	ug/Kg	10/27/25 12:07	VY102725
78-87-5	1,2-Dichloropropane	0.89	U	1	0.89	4.90	ug/Kg	10/27/25 12:07	VY102725
75-27-4	Bromodichloromethane	0.76	U	1	0.76	4.90	ug/Kg	10/27/25 12:07	VY102725
108-10-1	4-Methyl-2-Pentanone	3.50	U	1	3.50	24.4	ug/Kg	10/27/25 12:07	VY102725
108-88-3	Toluene	0.76	U	1	0.76	4.90	ug/Kg	10/27/25 12:07	VY102725
10061-02-6	t-1,3-Dichloropropene	0.63	U	1	0.63	4.90	ug/Kg	10/27/25 12:07	VY102725
10061-01-5	cis-1,3-Dichloropropene	0.60	U	1	0.60	4.90	ug/Kg	10/27/25 12:07	VY102725
79-00-5	1,1,2-Trichloroethane	0.90	U	1	0.90	4.90	ug/Kg	10/27/25 12:07	VY102725
591-78-6	2-Hexanone	3.60	U	1	3.60	24.4	ug/Kg	10/27/25 12:07	VY102725
124-48-1	Dibromochloromethane	0.85	U	1	0.85	4.90	ug/Kg	10/27/25 12:07	VY102725
106-93-4	1,2-Dibromoethane	0.86	U	1	0.86	4.90	ug/Kg	10/27/25 12:07	VY102725
127-18-4	Tetrachloroethene	1.00	U	1	1.00	4.90	ug/Kg	10/27/25 12:07	VY102725
108-90-7	Chlorobenzene	0.89	U	1	0.89	4.90	ug/Kg	10/27/25 12:07	VY102725
100-41-4	Ethyl Benzene	0.65	U	1	0.65	4.90	ug/Kg	10/27/25 12:07	VY102725
179601-23-1	m/p-Xylenes	1.20	U	1	1.20	9.80	ug/Kg	10/27/25 12:07	VY102725
95-47-6	o-Xylene	0.80	U	1	0.80	4.90	ug/Kg	10/27/25 12:07	VY102725
100-42-5	Styrene	0.69	U	1	0.69	4.90	ug/Kg	10/27/25 12:07	VY102725
75-25-2	Bromoform	0.84	U	1	0.84	4.90	ug/Kg	10/27/25 12:07	VY102725

Raw Data: **VY023591.D**

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

Client:	HDR, Inc.	Date Collected:	10/23/25
Project:	PVWC Linear Construction	Date Received:	10/24/25
Client Sample ID:	B8-0.5-1.0-20251023	SDG No.:	Q3466
Lab Sample ID:	Q3466-01	Matrix:	SOIL
Analytical Method:	8260D Level : LOW	% Solid:	81.5
Sample Wt/Vol:	6.29 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	0.76	U	1	0.76	4.90	ug/Kg	10/27/25 12:07	VY102725
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1	1.20	4.90	ug/Kg	10/27/25 12:07	VY102725
541-73-1	1,3-Dichlorobenzene	1.70	U	1	1.70	4.90	ug/Kg	10/27/25 12:07	VY102725
106-46-7	1,4-Dichlorobenzene	1.50	U	1	1.50	4.90	ug/Kg	10/27/25 12:07	VY102725
95-50-1	1,2-Dichlorobenzene	1.40	U	1	1.40	4.90	ug/Kg	10/27/25 12:07	VY102725
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1	1.80	4.90	ug/Kg	10/27/25 12:07	VY102725
120-82-1	1,2,4-Trichlorobenzene	2.90	U	1	2.90	4.90	ug/Kg	10/27/25 12:07	VY102725
87-61-6	1,2,3-Trichlorobenzene	3.10	U	1	3.10	4.90	ug/Kg	10/27/25 12:07	VY102725
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	52.5			70 (63) - 130 (155)	105%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.9			70 (70) - 130 (134)	102%	SPK: 50		
2037-26-5	Toluene-d8	49.1			70 (74) - 130 (123)	98%	SPK: 50		
460-00-4	4-Bromofluorobenzene	41.7			70 (17) - 130 (146)	83%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	731000							
540-36-3	1,4-Difluorobenzene	1200000							
3114-55-4	Chlorobenzene-d5	997000							
3855-82-1	1,4-Dichlorobenzene-d4	393000							

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: **VY023592.D**

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	10/23/25
Project:	PVWC Linear Construction	Date Received:	10/24/25
Client Sample ID:	B9-0.5-1.0-20251023	SDG No.:	Q3466
Lab Sample ID:	Q3466-04	Matrix:	SOIL
Analytical Method:	8260D Level : LOW	% Solid:	83.6
Sample Wt/Vol:	4.79 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	1.40	U	1	1.40	6.20	ug/Kg	10/27/25 12:30	VY102725
74-87-3	Chloromethane	1.40	U	1	1.40	6.20	ug/Kg	10/27/25 12:30	VY102725
75-01-4	Vinyl Chloride	0.99	U	1	0.99	6.20	ug/Kg	10/27/25 12:30	VY102725
74-83-9	Bromomethane	1.30	U	1	1.30	6.20	ug/Kg	10/27/25 12:30	VY102725
75-00-3	Chloroethane	1.60	U	1	1.60	6.20	ug/Kg	10/27/25 12:30	VY102725
75-69-4	Trichlorofluoromethane	1.50	U	1	1.50	6.20	ug/Kg	10/27/25 12:30	VY102725
76-13-1	1,1,2-Trichlorotrifluoroethane	1.30	U	1	1.30	6.20	ug/Kg	10/27/25 12:30	VY102725
75-35-4	1,1-Dichloroethene	1.20	U	1	1.20	6.20	ug/Kg	10/27/25 12:30	VY102725
67-64-1	Acetone	5.90	U	1	5.90	31.2	ug/Kg	10/27/25 12:30	VY102725
75-15-0	Carbon Disulfide	1.30	U	1	1.30	6.20	ug/Kg	10/27/25 12:30	VY102725
1634-04-4	Methyl tert-butyl Ether	0.91	U	1	0.91	6.20	ug/Kg	10/27/25 12:30	VY102725
79-20-9	Methyl Acetate	1.90	U	1	1.90	6.20	ug/Kg	10/27/25 12:30	VY102725
75-09-2	Methylene Chloride	4.40	U	1	4.40	12.5	ug/Kg	10/27/25 12:30	VY102725
156-60-5	trans-1,2-Dichloroethene	1.10	U	1	1.10	6.20	ug/Kg	10/27/25 12:30	VY102725
75-34-3	1,1-Dichloroethane	1.00	U	1	1.00	6.20	ug/Kg	10/27/25 12:30	VY102725
110-82-7	Cyclohexane	0.99	U	1	0.99	6.20	ug/Kg	10/27/25 12:30	VY102725
78-93-3	2-Butanone	8.20	U	1	8.20	31.2	ug/Kg	10/27/25 12:30	VY102725
56-23-5	Carbon Tetrachloride	1.20	U	1	1.20	6.20	ug/Kg	10/27/25 12:30	VY102725
156-59-2	cis-1,2-Dichloroethene	0.94	U	1	0.94	6.20	ug/Kg	10/27/25 12:30	VY102725
74-97-5	Bromochloromethane	1.40	U	1	1.40	6.20	ug/Kg	10/27/25 12:30	VY102725
67-66-3	Chloroform	1.00	U	1	1.00	6.20	ug/Kg	10/27/25 12:30	VY102725
71-55-6	1,1,1-Trichloroethane	1.20	U	1	1.20	6.20	ug/Kg	10/27/25 12:30	VY102725
108-87-2	Methylcyclohexane	1.10	U	1	1.10	6.20	ug/Kg	10/27/25 12:30	VY102725
71-43-2	Benzene	0.99	U	1	0.99	6.20	ug/Kg	10/27/25 12:30	VY102725
107-06-2	1,2-Dichloroethane	0.99	U	1	0.99	6.20	ug/Kg	10/27/25 12:30	VY102725
79-01-6	Trichloroethene	1.00	U	1	1.00	6.20	ug/Kg	10/27/25 12:30	VY102725
78-87-5	1,2-Dichloropropane	1.10	U	1	1.10	6.20	ug/Kg	10/27/25 12:30	VY102725
75-27-4	Bromodichloromethane	0.97	U	1	0.97	6.20	ug/Kg	10/27/25 12:30	VY102725
108-10-1	4-Methyl-2-Pentanone	4.50	U	1	4.50	31.2	ug/Kg	10/27/25 12:30	VY102725
108-88-3	Toluene	0.97	U	1	0.97	6.20	ug/Kg	10/27/25 12:30	VY102725
10061-02-6	t-1,3-Dichloropropene	0.81	U	1	0.81	6.20	ug/Kg	10/27/25 12:30	VY102725
10061-01-5	cis-1,3-Dichloropropene	0.77	U	1	0.77	6.20	ug/Kg	10/27/25 12:30	VY102725
79-00-5	1,1,2-Trichloroethane	1.10	U	1	1.10	6.20	ug/Kg	10/27/25 12:30	VY102725
591-78-6	2-Hexanone	4.60	U	1	4.60	31.2	ug/Kg	10/27/25 12:30	VY102725
124-48-1	Dibromochloromethane	1.10	U	1	1.10	6.20	ug/Kg	10/27/25 12:30	VY102725
106-93-4	1,2-Dibromoethane	1.10	U	1	1.10	6.20	ug/Kg	10/27/25 12:30	VY102725
127-18-4	Tetrachloroethene	1.30	U	1	1.30	6.20	ug/Kg	10/27/25 12:30	VY102725
108-90-7	Chlorobenzene	1.10	U	1	1.10	6.20	ug/Kg	10/27/25 12:30	VY102725
100-41-4	Ethyl Benzene	0.84	U	1	0.84	6.20	ug/Kg	10/27/25 12:30	VY102725
179601-23-1	m/p-Xylenes	1.50	U	1	1.50	12.5	ug/Kg	10/27/25 12:30	VY102725
95-47-6	o-Xylene	1.00	U	1	1.00	6.20	ug/Kg	10/27/25 12:30	VY102725
100-42-5	Styrene	0.89	U	1	0.89	6.20	ug/Kg	10/27/25 12:30	VY102725
75-25-2	Bromoform	1.10	U	1	1.10	6.20	ug/Kg	10/27/25 12:30	VY102725

Raw Data: **VY023592.D**

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	10/23/25
Project:	PVWC Linear Construction	Date Received:	10/24/25
Client Sample ID:	B9-0.5-1.0-20251023	SDG No.:	Q3466
Lab Sample ID:	Q3466-04	Matrix:	SOIL
Analytical Method:	8260D Level : LOW	% Solid:	83.6
Sample Wt/Vol:	4.79 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	0.97	U	1	0.97	6.20	ug/Kg	10/27/25 12:30	VY102725
79-34-5	1,1,2,2-Tetrachloroethane	1.50	U	1	1.50	6.20	ug/Kg	10/27/25 12:30	VY102725
541-73-1	1,3-Dichlorobenzene	2.10	U	1	2.10	6.20	ug/Kg	10/27/25 12:30	VY102725
106-46-7	1,4-Dichlorobenzene	1.90	U	1	1.90	6.20	ug/Kg	10/27/25 12:30	VY102725
95-50-1	1,2-Dichlorobenzene	1.80	U	1	1.80	6.20	ug/Kg	10/27/25 12:30	VY102725
96-12-8	1,2-Dibromo-3-Chloropropane	2.30	U	1	2.30	6.20	ug/Kg	10/27/25 12:30	VY102725
120-82-1	1,2,4-Trichlorobenzene	3.70	U	1	3.70	6.20	ug/Kg	10/27/25 12:30	VY102725
87-61-6	1,2,3-Trichlorobenzene	4.00	U	1	4.00	6.20	ug/Kg	10/27/25 12:30	VY102725
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	50.5			70 (63) - 130 (155)	101%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.3			70 (70) - 130 (134)	101%	SPK: 50		
2037-26-5	Toluene-d8	48.4			70 (74) - 130 (123)	97%	SPK: 50		
460-00-4	4-Bromofluorobenzene	38.6			70 (17) - 130 (146)	77%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	745000							
540-36-3	1,4-Difluorobenzene	1230000							
3114-55-4	Chlorobenzene-d5	980000							
3855-82-1	1,4-Dichlorobenzene-d4	362000							

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: **VY023593.D**

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	10/23/25
Project:	PVWC Linear Construction	Date Received:	10/24/25
Client Sample ID:	B7-1.5-2.0-20251023	SDG No.:	Q3466
Lab Sample ID:	Q3466-06	Matrix:	SOIL
Analytical Method:	8260D Level : LOW	% Solid:	91.1
Sample Wt/Vol:	4.55 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	1.40	U	1	1.40	6.00	ug/Kg	10/27/25 12:54	VY102725
74-87-3	Chloromethane	1.40	U	1	1.40	6.00	ug/Kg	10/27/25 12:54	VY102725
75-01-4	Vinyl Chloride	0.95	U	1	0.95	6.00	ug/Kg	10/27/25 12:54	VY102725
74-83-9	Bromomethane	1.30	U	1	1.30	6.00	ug/Kg	10/27/25 12:54	VY102725
75-00-3	Chloroethane	1.50	U	1	1.50	6.00	ug/Kg	10/27/25 12:54	VY102725
75-69-4	Trichlorofluoromethane	1.50	U	1	1.50	6.00	ug/Kg	10/27/25 12:54	VY102725
76-13-1	1,1,2-Trichlorotrifluoroethane	1.30	U	1	1.30	6.00	ug/Kg	10/27/25 12:54	VY102725
75-35-4	1,1-Dichloroethene	1.20	U	1	1.20	6.00	ug/Kg	10/27/25 12:54	VY102725
67-64-1	Acetone	5.70	U	1	5.70	30.2	ug/Kg	10/27/25 12:54	VY102725
75-15-0	Carbon Disulfide	1.30	U	1	1.30	6.00	ug/Kg	10/27/25 12:54	VY102725
1634-04-4	Methyl tert-butyl Ether	0.88	U	1	0.88	6.00	ug/Kg	10/27/25 12:54	VY102725
79-20-9	Methyl Acetate	1.90	U	1	1.90	6.00	ug/Kg	10/27/25 12:54	VY102725
75-09-2	Methylene Chloride	4.30	U	1	4.30	12.1	ug/Kg	10/27/25 12:54	VY102725
156-60-5	trans-1,2-Dichloroethene	1.00	U	1	1.00	6.00	ug/Kg	10/27/25 12:54	VY102725
75-34-3	1,1-Dichloroethane	0.97	U	1	0.97	6.00	ug/Kg	10/27/25 12:54	VY102725
110-82-7	Cyclohexane	0.95	U	1	0.95	6.00	ug/Kg	10/27/25 12:54	VY102725
78-93-3	2-Butanone	7.90	U	1	7.90	30.2	ug/Kg	10/27/25 12:54	VY102725
56-23-5	Carbon Tetrachloride	1.20	U	1	1.20	6.00	ug/Kg	10/27/25 12:54	VY102725
156-59-2	cis-1,2-Dichloroethene	0.90	U	1	0.90	6.00	ug/Kg	10/27/25 12:54	VY102725
74-97-5	Bromochloromethane	1.40	U	1	1.40	6.00	ug/Kg	10/27/25 12:54	VY102725
67-66-3	Chloroform	1.00	U	1	1.00	6.00	ug/Kg	10/27/25 12:54	VY102725
71-55-6	1,1,1-Trichloroethane	1.10	U	1	1.10	6.00	ug/Kg	10/27/25 12:54	VY102725
108-87-2	Methylcyclohexane	1.10	U	1	1.10	6.00	ug/Kg	10/27/25 12:54	VY102725
71-43-2	Benzene	0.95	U	1	0.95	6.00	ug/Kg	10/27/25 12:54	VY102725
107-06-2	1,2-Dichloroethane	0.95	U	1	0.95	6.00	ug/Kg	10/27/25 12:54	VY102725
79-01-6	Trichloroethene	0.98	U	1	0.98	6.00	ug/Kg	10/27/25 12:54	VY102725
78-87-5	1,2-Dichloropropane	1.10	U	1	1.10	6.00	ug/Kg	10/27/25 12:54	VY102725
75-27-4	Bromodichloromethane	0.94	U	1	0.94	6.00	ug/Kg	10/27/25 12:54	VY102725
108-10-1	4-Methyl-2-Pentanone	4.30	U	1	4.30	30.2	ug/Kg	10/27/25 12:54	VY102725
108-88-3	Toluene	0.94	U	1	0.94	6.00	ug/Kg	10/27/25 12:54	VY102725
10061-02-6	t-1,3-Dichloropropene	0.78	U	1	0.78	6.00	ug/Kg	10/27/25 12:54	VY102725
10061-01-5	cis-1,3-Dichloropropene	0.75	U	1	0.75	6.00	ug/Kg	10/27/25 12:54	VY102725
79-00-5	1,1,2-Trichloroethane	1.10	U	1	1.10	6.00	ug/Kg	10/27/25 12:54	VY102725
591-78-6	2-Hexanone	4.50	U	1	4.50	30.2	ug/Kg	10/27/25 12:54	VY102725
124-48-1	Dibromochloromethane	1.00	U	1	1.00	6.00	ug/Kg	10/27/25 12:54	VY102725
106-93-4	1,2-Dibromoethane	1.10	U	1	1.10	6.00	ug/Kg	10/27/25 12:54	VY102725
127-18-4	Tetrachloroethene	1.30	U	1	1.30	6.00	ug/Kg	10/27/25 12:54	VY102725
108-90-7	Chlorobenzene	1.10	U	1	1.10	6.00	ug/Kg	10/27/25 12:54	VY102725
100-41-4	Ethyl Benzene	0.81	U	1	0.81	6.00	ug/Kg	10/27/25 12:54	VY102725
179601-23-1	m/p-Xylenes	1.50	U	1	1.50	12.1	ug/Kg	10/27/25 12:54	VY102725
95-47-6	o-Xylene	0.99	U	1	0.99	6.00	ug/Kg	10/27/25 12:54	VY102725
100-42-5	Styrene	0.86	U	1	0.86	6.00	ug/Kg	10/27/25 12:54	VY102725
75-25-2	Bromoform	1.00	U	1	1.00	6.00	ug/Kg	10/27/25 12:54	VY102725

Raw Data: **VY023593.D**

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	10/23/25
Project:	PVWC Linear Construction	Date Received:	10/24/25
Client Sample ID:	B7-1.5-2.0-20251023	SDG No.:	Q3466
Lab Sample ID:	Q3466-06	Matrix:	SOIL
Analytical Method:	8260D Level : LOW	% Solid:	91.1
Sample Wt/Vol:	4.55 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	0.94	U	1	0.94	6.00	ug/Kg	10/27/25 12:54	VY102725
79-34-5	1,1,2,2-Tetrachloroethane	1.50	U	1	1.50	6.00	ug/Kg	10/27/25 12:54	VY102725
541-73-1	1,3-Dichlorobenzene	2.10	U	1	2.10	6.00	ug/Kg	10/27/25 12:54	VY102725
106-46-7	1,4-Dichlorobenzene	1.90	U	1	1.90	6.00	ug/Kg	10/27/25 12:54	VY102725
95-50-1	1,2-Dichlorobenzene	1.70	U	1	1.70	6.00	ug/Kg	10/27/25 12:54	VY102725
96-12-8	1,2-Dibromo-3-Chloropropane	2.20	U	1	2.20	6.00	ug/Kg	10/27/25 12:54	VY102725
120-82-1	1,2,4-Trichlorobenzene	3.60	U	1	3.60	6.00	ug/Kg	10/27/25 12:54	VY102725
87-61-6	1,2,3-Trichlorobenzene	3.80	U	1	3.80	6.00	ug/Kg	10/27/25 12:54	VY102725
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	50.8			70 (63) - 130 (155)	102%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.6			70 (70) - 130 (134)	99%	SPK: 50		
2037-26-5	Toluene-d8	49.0			70 (74) - 130 (123)	98%	SPK: 50		
460-00-4	4-Bromofluorobenzene	41.5			70 (17) - 130 (146)	83%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	731000							
540-36-3	1,4-Difluorobenzene	1220000							
3114-55-4	Chlorobenzene-d5	997000							
3855-82-1	1,4-Dichlorobenzene-d4	398000							

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.: Q3466

Client: HDR, Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3466-01	B8-0.5-1.0-20251023	1,2-Dichloroethane-d4	50	52.5	105		70 (63)	130 (155)
		Dibromofluoromethane	50	50.9	102		70 (70)	130 (134)
		Toluene-d8	50	49.1	98		70 (74)	130 (123)
		4-Bromofluorobenzene	50	41.7	83		70 (17)	130 (146)
Q3466-04	B9-0.5-1.0-20251023	1,2-Dichloroethane-d4	50	50.5	101		70 (63)	130 (155)
		Dibromofluoromethane	50	50.3	101		70 (70)	130 (134)
		Toluene-d8	50	48.4	97		70 (74)	130 (123)
		4-Bromofluorobenzene	50	38.6	77		70 (17)	130 (146)
Q3466-06	B7-1.5-2.0-20251023	1,2-Dichloroethane-d4	50	50.8	102		70 (63)	130 (155)
		Dibromofluoromethane	50	49.6	99		70 (70)	130 (134)
		Toluene-d8	50	49.0	98		70 (74)	130 (123)
		4-Bromofluorobenzene	50	41.5	83		70 (17)	130 (146)
VY1027SBL01	VY1027SBL01	1,2-Dichloroethane-d4	50	48.7	97		70 (63)	130 (155)
		Dibromofluoromethane	50	49.6	99		70 (70)	130 (134)
		Toluene-d8	50	48.5	97		70 (74)	130 (123)
		4-Bromofluorobenzene	50	39.7	79		70 (17)	130 (146)
VY1027SBS01	VY1027SBS01	1,2-Dichloroethane-d4	50	46.7	93		70 (63)	130 (155)
		Dibromofluoromethane	50	50.5	101		70 (70)	130 (134)
		Toluene-d8	50	49.1	98		70 (74)	130 (123)
		4-Bromofluorobenzene	50	49.1	98		70 (17)	130 (146)
VY1027SBSD01	VY1027SBSD01	1,2-Dichloroethane-d4	50	47.7	95		70 (63)	130 (155)
		Dibromofluoromethane	50	50.8	102		70 (70)	130 (134)
		Toluene-d8	50	50.7	101		70 (74)	130 (123)
		4-Bromofluorobenzene	50	49.9	100		70 (17)	130 (146)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3466 **Analytical Method:** SW8260D

Client: HDR, Inc. **Datafile :** VY023587.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1027SBS01	Dichlorodifluoromethane	20	20.0	ug/Kg	100			40 (64)	160 (136)	
	Chloromethane	20	18.5	ug/Kg	93			40 (52)	160 (151)	
	Vinyl chloride	20	19.2	ug/Kg	96			70 (56)	130 (148)	
	Bromomethane	20	20.8	ug/Kg	104			40 (58)	160 (141)	
	Chloroethane	20	20.0	ug/Kg	100			40 (69)	160 (130)	
	Trichlorofluoromethane	20	20.6	ug/Kg	103			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	21.5	ug/Kg	108			70 (81)	130 (123)	
	1,1-Dichloroethene	20	20.4	ug/Kg	102			70 (79)	130 (121)	
	Acetone	100	130	ug/Kg	130			40 (40)	160 (171)	
	Carbon disulfide	20	19.4	ug/Kg	97			40 (59)	160 (130)	
	Methyl tert-butyl Ether	20	19.7	ug/Kg	99			70 (77)	130 (129)	
	Methyl Acetate	20	15.3	ug/Kg	77			70 (69)	130 (149)	
	Methylene Chloride	20	19.6	ug/Kg	98			70 (72)	130 (131)	
	trans-1,2-Dichloroethene	20	21.0	ug/Kg	105			70 (80)	130 (123)	
	1,1-Dichloroethane	20	21.0	ug/Kg	105			70 (82)	130 (123)	
	Cyclohexane	20	20.0	ug/Kg	100			70 (76)	130 (122)	
	2-Butanone	100	110	ug/Kg	110			40 (69)	160 (131)	
	Carbon Tetrachloride	20	21.6	ug/Kg	108			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	21.6	ug/Kg	108			70 (82)	130 (123)	
	Bromochloromethane	20	20.5	ug/Kg	103			70 (80)	130 (127)	
	Chloroform	20	21.8	ug/Kg	109			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	21.8	ug/Kg	109			70 (80)	130 (126)	
	Methylcyclohexane	20	20.5	ug/Kg	103			70 (77)	130 (123)	
	Benzene	20	21.6	ug/Kg	108			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.9	ug/Kg	104			70 (81)	130 (126)	
	Trichloroethene	20	21.8	ug/Kg	109			70 (83)	130 (122)	
	1,2-Dichloropropane	20	21.6	ug/Kg	108			70 (83)	130 (122)	
	Bromodichloromethane	20	21.6	ug/Kg	108			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	95.4	ug/Kg	95			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	21.0	ug/Kg	105			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	21.0	ug/Kg	105			70 (82)	130 (125)	
	2-Hexanone	100	110	ug/Kg	110			40 (66)	160 (138)	
	Dibromochloromethane	20	20.8	ug/Kg	104			70 (79)	130 (125)	
	1,2-Dibromoethane	20	20.6	ug/Kg	103			70 (80)	130 (125)	
	Tetrachloroethene	20	22.5	ug/Kg	113			70 (83)	130 (125)	
	Chlorobenzene	20	21.4	ug/Kg	107			70 (84)	130 (122)	
	Ethyl Benzene	20	21.3	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	21.3	ug/Kg	106			70 (82)	130 (124)	
	Bromoform	20	20.4	ug/Kg	102			70 (75)	130 (127)	
	Isopropylbenzene	20	21.0	ug/Kg	105			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	18.9	ug/Kg	95			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	21.3	ug/Kg	106			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	20.9	ug/Kg	104			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	21.2	ug/Kg	106			70 (83)	130 (124)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3466 **Analytical Method:** SW8260D

Client: HDR, Inc. **Datafile :** VY023587.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1027SBS01	1,2-Dibromo-3-Chloropropane	20	18.3	ug/Kg	92			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	19.9	ug/Kg	100			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	19.3	ug/Kg	97			70 (70)	130 (137)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3466 **Analytical Method:** SW8260D

Client: HDR, Inc. **Datafile :** VY023588.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY1027SBSD01	Dichlorodifluoromethane	20	21.2	ug/Kg	106	6		40 (64)	160 (136)	30 (20)
	Chloromethane	20	19.8	ug/Kg	99	6		40 (52)	160 (151)	30 (20)
	Vinyl chloride	20	20.5	ug/Kg	103	7		70 (56)	130 (148)	30 (20)
	Bromomethane	20	21.6	ug/Kg	108	4		40 (58)	160 (141)	30 (20)
	Chloroethane	20	21.4	ug/Kg	107	7		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	21.3	ug/Kg	106	3		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	22.3	ug/Kg	112	4		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	21.3	ug/Kg	106	4		70 (79)	130 (121)	30 (20)
	Acetone	100	140	ug/Kg	140	7		40 (40)	160 (171)	30 (20)
	Carbon disulfide	20	20.3	ug/Kg	102	5		40 (59)	160 (130)	30 (20)
	Methyl tert-butyl Ether	20	20.8	ug/Kg	104	5		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	19.3	ug/Kg	97	23		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	21.1	ug/Kg	106	8		70 (72)	130 (131)	30 (20)
	trans-1,2-Dichloroethene	20	21.7	ug/Kg	109	4		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	22.1	ug/Kg	111	6		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	20.4	ug/Kg	102	2		70 (76)	130 (122)	30 (20)
	2-Butanone	100	120	ug/Kg	120	9		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	22.4	ug/Kg	112	4		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	22.5	ug/Kg	113	5		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	21.4	ug/Kg	107	4		70 (80)	130 (127)	30 (20)
	Chloroform	20	22.8	ug/Kg	114	4		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	22.3	ug/Kg	112	3		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	21.2	ug/Kg	106	3		70 (77)	130 (123)	30 (20)
	Benzene	20	22.7	ug/Kg	114	5		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	21.8	ug/Kg	109	5		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	22.2	ug/Kg	111	2		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	22.6	ug/Kg	113	5		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	22.4	ug/Kg	112	4		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	100	ug/Kg	100	5		40 (70)	160 (135)	30 (20)
	Toluene	20	22.8	ug/Kg	114	5		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	21.2	ug/Kg	106	3		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	22.2	ug/Kg	111	6		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	22.7	ug/Kg	114	8		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	110	ug/Kg	110	0		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	21.9	ug/Kg	110	6		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	21.7	ug/Kg	109	6		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	23.1	ug/Kg	116	3		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	22.6	ug/Kg	113	5		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	22.2	ug/Kg	111	5		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	44.6	ug/Kg	112	3		70 (83)	130 (124)	30 (20)
	o-Xylene	20	21.9	ug/Kg	110	3		70 (83)	130 (123)	30 (20)
	Styrene	20	22.3	ug/Kg	112	6		70 (82)	130 (124)	30 (20)
	Bromoform	20	21.7	ug/Kg	109	7		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	22.2	ug/Kg	111	6		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	20.9	ug/Kg	104	9		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	21.9	ug/Kg	110	4		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	21.9	ug/Kg	110	6		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	22.0	ug/Kg	110	4		70 (83)	130 (124)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3466 **Analytical Method:** SW8260D

Client: HDR, Inc. **Datafile :** VY023588.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY1027SBSD01	1,2-Dibromo-3-Chloropropane	20	19.9	ug/Kg	100	8		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	20.4	ug/Kg	102	2		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	20.2	ug/Kg	101	4		70 (70)	130 (137)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

Client ID: VY1027SBL01

Lab Name: Alliance | Contract: HDRI08

Lab Code: ACE | SDG NO.: Q3466

Lab File ID: VY023586.D | Lab Sample ID: VY1027SBL01

Date Analyzed: 10/27/2025 | Time Analyzed: 09:47

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

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY1027SBS01	VY1027SBS01	VY023587.D	10/27/2025
VY1027SBSD01	VY1027SBSD01	VY023588.D	10/27/2025
B8-0.5-1.0-20251023	Q3466-01	VY023591.D	10/27/2025
B9-0.5-1.0-20251023	Q3466-04	VY023592.D	10/27/2025
B7-1.5-2.0-20251023	Q3466-06	VY023593.D	10/27/2025

COMMENTS:

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: HDRI08

Lab Code: ACE | SDG NO.: Q3466

Lab File ID: VY023383.D | BFB Injection Date: 10/07/2025

Instrument ID: MSVOA_Y | BFB Injection Time: 08:43

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.9
75	30.0 - 60.0% of mass 95	48.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.9 (0.9) 1
174	50.0 - 100.0% of mass 95	99.1
175	5.0 - 9.0% of mass 174	7.3 (7.4) 1
176	95.0 - 101.0% of mass 174	95.4 (96.2) 1
177	5.0 - 9.0% of mass 176	6.3 (6.6) 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	VY023384.D	10/07/2025	09:17
VSTDICC010	VSTDICC010	VY023385.D	10/07/2025	10:02
VSTDICC020	VSTDICC020	VY023386.D	10/07/2025	11:24
VSTDICCC050	VSTDICCC050	VY023387.D	10/07/2025	11:47
VSTDICC100	VSTDICC100	VY023388.D	10/07/2025	12:09
VSTDICC150	VSTDICC150	VY023389.D	10/07/2025	12:32

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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: HDRI08

Lab Code: ACE | SDG NO.: Q3466

Lab File ID: VY023584.D | BFB Injection Date: 10/27/2025

Instrument ID: MSVOA_Y | BFB Injection Time: 08:37

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.7
75	30.0 - 60.0% of mass 95	48.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	1.1 (1.1) 1
174	50.0 - 100.0% of mass 95	97.5
175	5.0 - 9.0% of mass 174	7.1 (7.3) 1
176	95.0 - 101.0% of mass 174	93.9 (96.3) 1
177	5.0 - 9.0% of mass 176	6.3 (6.7) 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	VY023585.D	10/27/2025	09:12
VY1027SBL01	VY1027SBL01	VY023586.D	10/27/2025	09:47
VY1027SBS01	VY1027SBS01	VY023587.D	10/27/2025	10:17
VY1027SBSD01	VY1027SBSD01	VY023588.D	10/27/2025	10:39
B8-0.5-1.0-20251023	Q3466-01	VY023591.D	10/27/2025	12:07
B9-0.5-1.0-20251023	Q3466-04	VY023592.D	10/27/2025	12:30
B7-1.5-2.0-20251023	Q3466-06	VY023593.D	10/27/2025	12:54

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG NO.: Q3466

Lab File ID: VY023585.D Date Analyzed: 10/27/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:12

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	515413	7.71	730664	8.62	639546	11.41
UPPER LIMIT	1030830	8.207	1461330	9.116	1279090	11.914
LOWER LIMIT	257707	7.207	365332	8.116	319773	10.914
EPA SAMPLE NO.						
B8-0.5-1.0-20251023	731403	7.71	1204392	8.62	997355	11.41
B9-0.5-1.0-20251023	745194	7.71	1231218	8.62	979970	11.41
B7-1.5-2.0-20251023	731194	7.71	1218761	8.62	996988	11.41
VY1027SBL01	818713	7.71	1317250	8.62	1075350	11.42
VY1027SBS01	499774	7.71	732575	8.62	644176	11.42
VY1027SBSD01	484571	7.71	706753	8.62	619972	11.41

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG NO.: Q3466

Lab File ID: VY023585.D Date Analyzed: 10/27/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:12

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

	IS4 AREA #	RT #				
12 HOUR STD	333946	13.346				
UPPER LIMIT	667892	13.846				
LOWER LIMIT	166973	12.846				
EPA SAMPLE NO.						
B8-0.5-1.0-20251023	392869	13.35				
B9-0.5-1.0-20251023	361763	13.35				
B7-1.5-2.0-20251023	398135	13.35				
VY1027SBL01	410194	13.35				
VY1027SBS01	345467	13.35				
VY1027SBSD01	325402	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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

QC SAMPLE DATA

Raw Data: **VY023586.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:	VY1027SBL01	SDG No.:	Q3466
Lab Sample ID:	VY1027SBL01	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	10/27/25 09:47	VY102725
74-87-3	Chloromethane	1.10	U	1	1.10	5.00	ug/Kg	10/27/25 09:47	VY102725
75-01-4	Vinyl Chloride	0.79	U	1	0.79	5.00	ug/Kg	10/27/25 09:47	VY102725
74-83-9	Bromomethane	1.10	U	1	1.10	5.00	ug/Kg	10/27/25 09:47	VY102725
75-00-3	Chloroethane	1.30	U	1	1.30	5.00	ug/Kg	10/27/25 09:47	VY102725
75-69-4	Trichlorofluoromethane	1.20	U	1	1.20	5.00	ug/Kg	10/27/25 09:47	VY102725
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1	1.10	5.00	ug/Kg	10/27/25 09:47	VY102725
75-35-4	1,1-Dichloroethene	1.00	U	1	1.00	5.00	ug/Kg	10/27/25 09:47	VY102725
67-64-1	Acetone	4.70	U	1	4.70	25.0	ug/Kg	10/27/25 09:47	VY102725
75-15-0	Carbon Disulfide	1.10	U	1	1.10	5.00	ug/Kg	10/27/25 09:47	VY102725
1634-04-4	Methyl tert-butyl Ether	0.73	U	1	0.73	5.00	ug/Kg	10/27/25 09:47	VY102725
79-20-9	Methyl Acetate	1.50	U	1	1.50	5.00	ug/Kg	10/27/25 09:47	VY102725
75-09-2	Methylene Chloride	3.50	U	1	3.50	10.0	ug/Kg	10/27/25 09:47	VY102725
156-60-5	trans-1,2-Dichloroethene	0.86	U	1	0.86	5.00	ug/Kg	10/27/25 09:47	VY102725
75-34-3	1,1-Dichloroethane	0.80	U	1	0.80	5.00	ug/Kg	10/27/25 09:47	VY102725
110-82-7	Cyclohexane	0.79	U	1	0.79	5.00	ug/Kg	10/27/25 09:47	VY102725
78-93-3	2-Butanone	6.50	U	1	6.50	25.0	ug/Kg	10/27/25 09:47	VY102725
56-23-5	Carbon Tetrachloride	0.97	U	1	0.97	5.00	ug/Kg	10/27/25 09:47	VY102725
156-59-2	cis-1,2-Dichloroethene	0.75	U	1	0.75	5.00	ug/Kg	10/27/25 09:47	VY102725
74-97-5	Bromochloromethane	1.20	U	1	1.20	5.00	ug/Kg	10/27/25 09:47	VY102725
67-66-3	Chloroform	0.84	U	1	0.84	5.00	ug/Kg	10/27/25 09:47	VY102725
71-55-6	1,1,1-Trichloroethane	0.93	U	1	0.93	5.00	ug/Kg	10/27/25 09:47	VY102725
108-87-2	Methylcyclohexane	0.91	U	1	0.91	5.00	ug/Kg	10/27/25 09:47	VY102725
71-43-2	Benzene	0.79	U	1	0.79	5.00	ug/Kg	10/27/25 09:47	VY102725
107-06-2	1,2-Dichloroethane	0.79	U	1	0.79	5.00	ug/Kg	10/27/25 09:47	VY102725
79-01-6	Trichloroethene	0.81	U	1	0.81	5.00	ug/Kg	10/27/25 09:47	VY102725
78-87-5	1,2-Dichloropropane	0.91	U	1	0.91	5.00	ug/Kg	10/27/25 09:47	VY102725
75-27-4	Bromodichloromethane	0.78	U	1	0.78	5.00	ug/Kg	10/27/25 09:47	VY102725
108-10-1	4-Methyl-2-Pentanone	3.60	U	1	3.60	25.0	ug/Kg	10/27/25 09:47	VY102725
108-88-3	Toluene	0.78	U	1	0.78	5.00	ug/Kg	10/27/25 09:47	VY102725
10061-02-6	t-1,3-Dichloropropene	0.65	U	1	0.65	5.00	ug/Kg	10/27/25 09:47	VY102725
10061-01-5	cis-1,3-Dichloropropene	0.62	U	1	0.62	5.00	ug/Kg	10/27/25 09:47	VY102725
79-00-5	1,1,2-Trichloroethane	0.92	U	1	0.92	5.00	ug/Kg	10/27/25 09:47	VY102725
591-78-6	2-Hexanone	3.70	U	1	3.70	25.0	ug/Kg	10/27/25 09:47	VY102725
124-48-1	Dibromochloromethane	0.87	U	1	0.87	5.00	ug/Kg	10/27/25 09:47	VY102725
106-93-4	1,2-Dibromoethane	0.88	U	1	0.88	5.00	ug/Kg	10/27/25 09:47	VY102725
127-18-4	Tetrachloroethene	1.10	U	1	1.10	5.00	ug/Kg	10/27/25 09:47	VY102725
108-90-7	Chlorobenzene	0.91	U	1	0.91	5.00	ug/Kg	10/27/25 09:47	VY102725
100-41-4	Ethyl Benzene	0.67	U	1	0.67	5.00	ug/Kg	10/27/25 09:47	VY102725
179601-23-1	m/p-Xylenes	1.20	U	1	1.20	10.0	ug/Kg	10/27/25 09:47	VY102725
95-47-6	o-Xylene	0.82	U	1	0.82	5.00	ug/Kg	10/27/25 09:47	VY102725
100-42-5	Styrene	0.71	U	1	0.71	5.00	ug/Kg	10/27/25 09:47	VY102725
75-25-2	Bromoform	0.86	U	1	0.86	5.00	ug/Kg	10/27/25 09:47	VY102725

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:	VY1027SBL01			SDG No.:	Q3466
Lab Sample ID:	VY1027SBL01			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	10/27/25 09:47	VY102725
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1	1.20	5.00	ug/Kg	10/27/25 09:47	VY102725
541-73-1	1,3-Dichlorobenzene	1.70	U	1	1.70	5.00	ug/Kg	10/27/25 09:47	VY102725
106-46-7	1,4-Dichlorobenzene	1.60	U	1	1.60	5.00	ug/Kg	10/27/25 09:47	VY102725
95-50-1	1,2-Dichlorobenzene	1.50	U	1	1.50	5.00	ug/Kg	10/27/25 09:47	VY102725
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1	1.80	5.00	ug/Kg	10/27/25 09:47	VY102725
120-82-1	1,2,4-Trichlorobenzene	3.00	U	1	3.00	5.00	ug/Kg	10/27/25 09:47	VY102725
87-61-6	1,2,3-Trichlorobenzene	3.20	U	1	3.20	5.00	ug/Kg	10/27/25 09:47	VY102725
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	48.7			70 (63) - 130 (155)	97%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.6			70 (70) - 130 (134)	99%	SPK: 50		
2037-26-5	Toluene-d8	48.5			70 (74) - 130 (123)	97%	SPK: 50		
460-00-4	4-Bromofluorobenzene	39.7			70 (17) - 130 (146)	79%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	819000							
540-36-3	1,4-Difluorobenzene	1320000							
3114-55-4	Chlorobenzene-d5	1080000							
3855-82-1	1,4-Dichlorobenzene-d4	410000							

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: **VY023587.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:	VY1027SBS01	SDG No.:	Q3466
Lab Sample ID:	VY1027SBS01	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	20.0		1	1.10	5.00	ug/Kg	10/27/25 10:17	VY102725
74-87-3	Chloromethane	18.5		1	1.10	5.00	ug/Kg	10/27/25 10:17	VY102725
75-01-4	Vinyl Chloride	19.2		1	0.79	5.00	ug/Kg	10/27/25 10:17	VY102725
74-83-9	Bromomethane	20.8		1	1.10	5.00	ug/Kg	10/27/25 10:17	VY102725
75-00-3	Chloroethane	20.0		1	1.30	5.00	ug/Kg	10/27/25 10:17	VY102725
75-69-4	Trichlorofluoromethane	20.6		1	1.20	5.00	ug/Kg	10/27/25 10:17	VY102725
76-13-1	1,1,2-Trichlorotrifluoroethane	21.5		1	1.10	5.00	ug/Kg	10/27/25 10:17	VY102725
75-35-4	1,1-Dichloroethene	20.4		1	1.00	5.00	ug/Kg	10/27/25 10:17	VY102725
67-64-1	Acetone	130		1	4.70	25.0	ug/Kg	10/27/25 10:17	VY102725
75-15-0	Carbon Disulfide	19.4		1	1.10	5.00	ug/Kg	10/27/25 10:17	VY102725
1634-04-4	Methyl tert-butyl Ether	19.7		1	0.73	5.00	ug/Kg	10/27/25 10:17	VY102725
79-20-9	Methyl Acetate	15.3		1	1.50	5.00	ug/Kg	10/27/25 10:17	VY102725
75-09-2	Methylene Chloride	19.6		1	3.50	10.0	ug/Kg	10/27/25 10:17	VY102725
156-60-5	trans-1,2-Dichloroethene	21.0		1	0.86	5.00	ug/Kg	10/27/25 10:17	VY102725
75-34-3	1,1-Dichloroethane	21.0		1	0.80	5.00	ug/Kg	10/27/25 10:17	VY102725
110-82-7	Cyclohexane	20.0		1	0.79	5.00	ug/Kg	10/27/25 10:17	VY102725
78-93-3	2-Butanone	110		1	6.50	25.0	ug/Kg	10/27/25 10:17	VY102725
56-23-5	Carbon Tetrachloride	21.6		1	0.97	5.00	ug/Kg	10/27/25 10:17	VY102725
156-59-2	cis-1,2-Dichloroethene	21.6		1	0.75	5.00	ug/Kg	10/27/25 10:17	VY102725
74-97-5	Bromochloromethane	20.5		1	1.20	5.00	ug/Kg	10/27/25 10:17	VY102725
67-66-3	Chloroform	21.8		1	0.84	5.00	ug/Kg	10/27/25 10:17	VY102725
71-55-6	1,1,1-Trichloroethane	21.8		1	0.93	5.00	ug/Kg	10/27/25 10:17	VY102725
108-87-2	Methylcyclohexane	20.5		1	0.91	5.00	ug/Kg	10/27/25 10:17	VY102725
71-43-2	Benzene	21.6		1	0.79	5.00	ug/Kg	10/27/25 10:17	VY102725
107-06-2	1,2-Dichloroethane	20.9		1	0.79	5.00	ug/Kg	10/27/25 10:17	VY102725
79-01-6	Trichloroethene	21.8		1	0.81	5.00	ug/Kg	10/27/25 10:17	VY102725
78-87-5	1,2-Dichloropropane	21.6		1	0.91	5.00	ug/Kg	10/27/25 10:17	VY102725
75-27-4	Bromodichloromethane	21.6		1	0.78	5.00	ug/Kg	10/27/25 10:17	VY102725
108-10-1	4-Methyl-2-Pentanone	95.4		1	3.60	25.0	ug/Kg	10/27/25 10:17	VY102725
108-88-3	Toluene	21.6		1	0.78	5.00	ug/Kg	10/27/25 10:17	VY102725
10061-02-6	t-1,3-Dichloropropene	20.5		1	0.65	5.00	ug/Kg	10/27/25 10:17	VY102725
10061-01-5	cis-1,3-Dichloropropene	21.0		1	0.62	5.00	ug/Kg	10/27/25 10:17	VY102725
79-00-5	1,1,2-Trichloroethane	21.0		1	0.92	5.00	ug/Kg	10/27/25 10:17	VY102725
591-78-6	2-Hexanone	110		1	3.70	25.0	ug/Kg	10/27/25 10:17	VY102725
124-48-1	Dibromochloromethane	20.8		1	0.87	5.00	ug/Kg	10/27/25 10:17	VY102725
106-93-4	1,2-Dibromoethane	20.6		1	0.88	5.00	ug/Kg	10/27/25 10:17	VY102725
127-18-4	Tetrachloroethene	22.5		1	1.10	5.00	ug/Kg	10/27/25 10:17	VY102725
108-90-7	Chlorobenzene	21.4		1	0.91	5.00	ug/Kg	10/27/25 10:17	VY102725
100-41-4	Ethyl Benzene	21.3		1	0.67	5.00	ug/Kg	10/27/25 10:17	VY102725
179601-23-1	m/p-Xylenes	43.5		1	1.20	10.0	ug/Kg	10/27/25 10:17	VY102725
95-47-6	o-Xylene	21.4		1	0.82	5.00	ug/Kg	10/27/25 10:17	VY102725
100-42-5	Styrene	21.3		1	0.71	5.00	ug/Kg	10/27/25 10:17	VY102725
75-25-2	Bromoform	20.4		1	0.86	5.00	ug/Kg	10/27/25 10:17	VY102725

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:	VY1027SBS01	SDG No.:	Q3466
Lab Sample ID:	VY1027SBS01	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	21.0		1	0.78	5.00	ug/Kg	10/27/25 10:17	VY102725
79-34-5	1,1,2,2-Tetrachloroethane	18.9		1	1.20	5.00	ug/Kg	10/27/25 10:17	VY102725
541-73-1	1,3-Dichlorobenzene	21.3		1	1.70	5.00	ug/Kg	10/27/25 10:17	VY102725
106-46-7	1,4-Dichlorobenzene	20.9		1	1.60	5.00	ug/Kg	10/27/25 10:17	VY102725
95-50-1	1,2-Dichlorobenzene	21.2		1	1.50	5.00	ug/Kg	10/27/25 10:17	VY102725
96-12-8	1,2-Dibromo-3-Chloropropane	18.3		1	1.80	5.00	ug/Kg	10/27/25 10:17	VY102725
120-82-1	1,2,4-Trichlorobenzene	19.9		1	3.00	5.00	ug/Kg	10/27/25 10:17	VY102725
87-61-6	1,2,3-Trichlorobenzene	19.3		1	3.20	5.00	ug/Kg	10/27/25 10:17	VY102725
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	46.7			70 (63) - 130 (155)	93%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.5			70 (70) - 130 (134)	101%	SPK: 50		
2037-26-5	Toluene-d8	49.1			70 (74) - 130 (123)	98%	SPK: 50		
460-00-4	4-Bromofluorobenzene	49.1			70 (17) - 130 (146)	98%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	500000							
540-36-3	1,4-Difluorobenzene	733000							
3114-55-4	Chlorobenzene-d5	644000							
3855-82-1	1,4-Dichlorobenzene-d4	345000							

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: **VY023588.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:	VY1027SBSD01	SDG No.:	Q3466
Lab Sample ID:	VY1027SBSD01	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	21.2		1	1.10	5.00	ug/Kg	10/27/25 10:39	VY102725
74-87-3	Chloromethane	19.8		1	1.10	5.00	ug/Kg	10/27/25 10:39	VY102725
75-01-4	Vinyl Chloride	20.5		1	0.79	5.00	ug/Kg	10/27/25 10:39	VY102725
74-83-9	Bromomethane	21.6		1	1.10	5.00	ug/Kg	10/27/25 10:39	VY102725
75-00-3	Chloroethane	21.4		1	1.30	5.00	ug/Kg	10/27/25 10:39	VY102725
75-69-4	Trichlorofluoromethane	21.3		1	1.20	5.00	ug/Kg	10/27/25 10:39	VY102725
76-13-1	1,1,2-Trichlorotrifluoroethane	22.3		1	1.10	5.00	ug/Kg	10/27/25 10:39	VY102725
75-35-4	1,1-Dichloroethene	21.3		1	1.00	5.00	ug/Kg	10/27/25 10:39	VY102725
67-64-1	Acetone	140		1	4.70	25.0	ug/Kg	10/27/25 10:39	VY102725
75-15-0	Carbon Disulfide	20.3		1	1.10	5.00	ug/Kg	10/27/25 10:39	VY102725
1634-04-4	Methyl tert-butyl Ether	20.8		1	0.73	5.00	ug/Kg	10/27/25 10:39	VY102725
79-20-9	Methyl Acetate	19.3		1	1.50	5.00	ug/Kg	10/27/25 10:39	VY102725
75-09-2	Methylene Chloride	21.1		1	3.50	10.0	ug/Kg	10/27/25 10:39	VY102725
156-60-5	trans-1,2-Dichloroethene	21.7		1	0.86	5.00	ug/Kg	10/27/25 10:39	VY102725
75-34-3	1,1-Dichloroethane	22.1		1	0.80	5.00	ug/Kg	10/27/25 10:39	VY102725
110-82-7	Cyclohexane	20.4		1	0.79	5.00	ug/Kg	10/27/25 10:39	VY102725
78-93-3	2-Butanone	120		1	6.50	25.0	ug/Kg	10/27/25 10:39	VY102725
56-23-5	Carbon Tetrachloride	22.4		1	0.97	5.00	ug/Kg	10/27/25 10:39	VY102725
156-59-2	cis-1,2-Dichloroethene	22.5		1	0.75	5.00	ug/Kg	10/27/25 10:39	VY102725
74-97-5	Bromochloromethane	21.4		1	1.20	5.00	ug/Kg	10/27/25 10:39	VY102725
67-66-3	Chloroform	22.8		1	0.84	5.00	ug/Kg	10/27/25 10:39	VY102725
71-55-6	1,1,1-Trichloroethane	22.3		1	0.93	5.00	ug/Kg	10/27/25 10:39	VY102725
108-87-2	Methylcyclohexane	21.2		1	0.91	5.00	ug/Kg	10/27/25 10:39	VY102725
71-43-2	Benzene	22.7		1	0.79	5.00	ug/Kg	10/27/25 10:39	VY102725
107-06-2	1,2-Dichloroethane	21.8		1	0.79	5.00	ug/Kg	10/27/25 10:39	VY102725
79-01-6	Trichloroethene	22.2		1	0.81	5.00	ug/Kg	10/27/25 10:39	VY102725
78-87-5	1,2-Dichloropropane	22.6		1	0.91	5.00	ug/Kg	10/27/25 10:39	VY102725
75-27-4	Bromodichloromethane	22.4		1	0.78	5.00	ug/Kg	10/27/25 10:39	VY102725
108-10-1	4-Methyl-2-Pentanone	100		1	3.60	25.0	ug/Kg	10/27/25 10:39	VY102725
108-88-3	Toluene	22.8		1	0.78	5.00	ug/Kg	10/27/25 10:39	VY102725
10061-02-6	t-1,3-Dichloropropene	21.2		1	0.65	5.00	ug/Kg	10/27/25 10:39	VY102725
10061-01-5	cis-1,3-Dichloropropene	22.2		1	0.62	5.00	ug/Kg	10/27/25 10:39	VY102725
79-00-5	1,1,2-Trichloroethane	22.7		1	0.92	5.00	ug/Kg	10/27/25 10:39	VY102725
591-78-6	2-Hexanone	110		1	3.70	25.0	ug/Kg	10/27/25 10:39	VY102725
124-48-1	Dibromochloromethane	21.9		1	0.87	5.00	ug/Kg	10/27/25 10:39	VY102725
106-93-4	1,2-Dibromoethane	21.7		1	0.88	5.00	ug/Kg	10/27/25 10:39	VY102725
127-18-4	Tetrachloroethene	23.1		1	1.10	5.00	ug/Kg	10/27/25 10:39	VY102725
108-90-7	Chlorobenzene	22.6		1	0.91	5.00	ug/Kg	10/27/25 10:39	VY102725
100-41-4	Ethyl Benzene	22.2		1	0.67	5.00	ug/Kg	10/27/25 10:39	VY102725
179601-23-1	m/p-Xylenes	44.6		1	1.20	10.0	ug/Kg	10/27/25 10:39	VY102725
95-47-6	o-Xylene	21.9		1	0.82	5.00	ug/Kg	10/27/25 10:39	VY102725
100-42-5	Styrene	22.3		1	0.71	5.00	ug/Kg	10/27/25 10:39	VY102725
75-25-2	Bromoform	21.7		1	0.86	5.00	ug/Kg	10/27/25 10:39	VY102725

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:	VY1027SBSD01	SDG No.:	Q3466
Lab Sample ID:	VY1027SBSD01	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	22.2		1	0.78	5.00	ug/Kg	10/27/25 10:39	VY102725
79-34-5	1,1,2,2-Tetrachloroethane	20.9		1	1.20	5.00	ug/Kg	10/27/25 10:39	VY102725
541-73-1	1,3-Dichlorobenzene	21.9		1	1.70	5.00	ug/Kg	10/27/25 10:39	VY102725
106-46-7	1,4-Dichlorobenzene	21.9		1	1.60	5.00	ug/Kg	10/27/25 10:39	VY102725
95-50-1	1,2-Dichlorobenzene	22.0		1	1.50	5.00	ug/Kg	10/27/25 10:39	VY102725
96-12-8	1,2-Dibromo-3-Chloropropane	19.9		1	1.80	5.00	ug/Kg	10/27/25 10:39	VY102725
120-82-1	1,2,4-Trichlorobenzene	20.4		1	3.00	5.00	ug/Kg	10/27/25 10:39	VY102725
87-61-6	1,2,3-Trichlorobenzene	20.2		1	3.20	5.00	ug/Kg	10/27/25 10:39	VY102725
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	47.7			70 (63) - 130 (155)	95%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.8			70 (70) - 130 (134)	102%	SPK: 50		
2037-26-5	Toluene-d8	50.7			70 (74) - 130 (123)	101%	SPK: 50		
460-00-4	4-Bromofluorobenzene	49.9			70 (17) - 130 (146)	100%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	485000							
540-36-3	1,4-Difluorobenzene	707000							
3114-55-4	Chlorobenzene-d5	620000							
3855-82-1	1,4-Dichlorobenzene-d4	325000							

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.: Q3466

Instrument ID: MSVOA_Y Calibration Date(s): 10/07/2025 10/07/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:17 12:32

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

LAB FILE ID: RRF005 = VY023384.D RRF010 = VY023385.D RRF020 = VY023386.D
RRF050 = VY023387.D RRF100 = VY023388.D RRF150 = VY023389.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.397	0.399	0.400	0.321	0.310	0.333	0.360	12
Chloromethane	0.518	0.557	0.512	0.449	0.438	0.467	0.490	9.4
Vinyl Chloride	0.660	0.684	0.659	0.598	0.597	0.633	0.639	5.6
Bromomethane	0.601	0.596	0.548	0.469	0.483	0.518	0.536	10.4
Chloroethane	0.441	0.462	0.453	0.414	0.413	0.429	0.435	4.7
Trichlorofluoromethane	0.884	0.920	0.946	0.842	0.850	0.877	0.887	4.5
1,1,2-Trichlorotrifluoroethane	0.484	0.486	0.479	0.437	0.429	0.445	0.460	5.6
1,1-Dichloroethene	0.449	0.475	0.456	0.427	0.426	0.443	0.446	4.1
Acetone	0.128	0.117	0.094	0.084	0.085	0.089	0.100	18.7
Carbon Disulfide	1.291	1.367	1.320	1.225	1.210	1.246	1.277	4.7
Methyl tert-butyl Ether	1.006	1.075	1.075	1.020	1.091	1.165	1.072	5.3
Methyl Acetate	0.244	0.265	0.260	0.245	0.266	0.286	0.261	6
Methylene Chloride	0.625	0.634	0.576	0.458	0.463	0.473	0.538	15.4
trans-1,2-Dichloroethene	0.494	0.504	0.507	0.470	0.478	0.494	0.491	2.9
1,1-Dichloroethane	0.800	0.835	0.827	0.759	0.765	0.792	0.796	3.9
Cyclohexane	0.797	0.717	0.697	0.643	0.644	0.676	0.696	8.3
2-Butanone	0.133	0.134	0.115	0.105	0.115	0.126	0.122	9.6
Carbon Tetrachloride	0.483	0.501	0.504	0.481	0.487	0.503	0.493	2.1
cis-1,2-Dichloroethene	0.542	0.584	0.582	0.542	0.563	0.591	0.567	3.8
Bromochloromethane	0.332	0.323	0.320	0.267	0.270	0.273	0.297	10.2
Chloroform	0.886	0.912	0.901	0.835	0.842	0.874	0.875	3.5
1,1,1-Trichloroethane	0.808	0.814	0.822	0.767	0.764	0.796	0.795	3.1
Methylcyclohexane	0.491	0.486	0.537	0.527	0.554	0.583	0.530	7
Benzene	1.253	1.302	1.322	1.259	1.281	1.312	1.288	2.2
1,2-Dichloroethane	0.328	0.346	0.343	0.315	0.324	0.338	0.332	3.6
Trichloroethene	0.380	0.381	0.386	0.367	0.372	0.376	0.377	1.8
1,2-Dichloropropane	0.276	0.289	0.292	0.274	0.283	0.293	0.285	2.9
Bromodichloromethane	0.440	0.463	0.459	0.439	0.449	0.468	0.453	2.7
4-Methyl-2-Pentanone	0.141	0.159	0.161	0.159	0.180	0.196	0.166	11.6
Toluene	0.777	0.818	0.855	0.827	0.855	0.885	0.836	4.5

* 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.: Q3466

Instrument ID: MSVOA_Y Calibration Date(s): 10/07/2025 10/07/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:17 12:32

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

LAB FILE ID: RRF005 = VY023384.D RRF010 = VY023385.D RRF020 = VY023386.D
RRF050 = VY023387.D RRF100 = VY023388.D RRF150 = VY023389.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.357	0.380	0.390	0.385	0.415	0.438	0.394	7.2
cis-1,3-Dichloropropene	0.424	0.460	0.465	0.455	0.481	0.505	0.465	5.9
1,1,2-Trichloroethane	0.234	0.247	0.241	0.231	0.244	0.254	0.242	3.5
2-Hexanone	0.108	0.117	0.110	0.112	0.126	0.138	0.119	9.9
Dibromochloromethane	0.319	0.337	0.340	0.327	0.347	0.365	0.339	4.7
1,2-Dibromoethane	0.215	0.229	0.231	0.223	0.237	0.249	0.231	5.2
Tetrachloroethene	0.538	0.517	0.561	0.523	0.502	0.456	0.516	6.9
Chlorobenzene	1.086	1.095	1.092	1.053	1.083	1.116	1.087	1.9
Ethyl Benzene	1.606	1.711	1.753	1.777	1.824	1.891	1.760	5.5
m/p-Xylenes	0.632	0.675	0.715	0.719	0.734	0.763	0.706	6.5
o-Xylene	0.588	0.623	0.653	0.670	0.701	0.738	0.662	8.1
Styrene	0.902	1.026	1.098	1.109	1.166	1.233	1.089	10.5
Bromoform	0.225	0.242	0.238	0.230	0.244	0.262	0.240	5.4
Isopropylbenzene	2.967	3.153	3.353	3.317	3.425	3.555	3.295	6.3
1,1,2,2-Tetrachloroethane	0.530	0.548	0.502	0.499	0.543	0.611	0.539	7.6
1,3-Dichlorobenzene	1.667	1.698	1.718	1.657	1.701	1.794	1.706	2.9
1,4-Dichlorobenzene	1.703	1.703	1.694	1.624	1.653	1.732	1.685	2.3
1,2-Dichlorobenzene	1.485	1.498	1.511	1.446	1.490	1.543	1.496	2.1
1,2-Dibromo-3-Chloropropane	0.087	0.093	0.083	0.083	0.088	0.096	0.088	6.2
1,2,4-Trichlorobenzene	0.846	0.867	0.901	0.918	1.007	1.054	0.932	8.7
1,2,3-Trichlorobenzene	0.719	0.753	0.795	0.793	0.866	0.920	0.808	9.1
1,2-Dichloroethane-d4	0.455	0.436	0.429	0.392	0.392	0.405	0.418	6.2
Dibromofluoromethane	0.311	0.314	0.317	0.298	0.299	0.303	0.307	2.6
Toluene-d8	1.132	1.170	1.177	1.129	1.122	1.135	1.144	2
4-Bromofluorobenzene	0.401	0.370	0.373	0.365	0.372	0.386	0.378	3.5

* 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.: Q3466
Instrument ID: MSVOA_Y
Calibration Date/Time: 10/27/2025 09:12
Lab File ID: VY023585.D
Init. Calib. Date(s): 10/07/2025 10/07/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 09:17 12:32
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.360	0.324		-10	20
Chloromethane	0.490	0.433	0.1	-11.63	20
Vinyl Chloride	0.639	0.590		-7.67	20
Bromomethane	0.536	0.482		-10.07	20
Chloroethane	0.435	0.424		-2.53	20
Trichlorofluoromethane	0.887	0.907		2.26	20
1,1,2-Trichlorotrifluoroethane	0.460	0.503		9.35	20
1,1-Dichloroethene	0.446	0.469		5.16	20
Acetone	0.100	0.113		13	20
Carbon Disulfide	1.277	1.229		-3.76	20
Methyl tert-butyl Ether	1.072	1.160		8.21	20
Methyl Acetate	0.261	0.316		21.07	20
Methylene Chloride	0.538	0.510		-5.2	20
trans-1,2-Dichloroethene	0.491	0.531		8.15	20
1,1-Dichloroethane	0.796	0.858	0.1	7.79	20
Cyclohexane	0.696	0.690		-0.86	20
2-Butanone	0.122	0.129		5.74	20
Carbon Tetrachloride	0.493	0.570		15.62	20
cis-1,2-Dichloroethene	0.567	0.628		10.76	20
Bromochloromethane	0.297	0.271		-8.75	20
Chloroform	0.875	0.975		11.43	20
1,1,1-Trichloroethane	0.795	0.883		11.07	20
Methylcyclohexane	0.530	0.598		12.83	20
Benzene	1.288	1.460		13.35	20
1,2-Dichloroethane	0.332	0.366		10.24	20
Trichloroethene	0.377	0.435		15.39	20
1,2-Dichloropropane	0.285	0.321		12.63	20
Bromodichloromethane	0.453	0.521		15.01	20
4-Methyl-2-Pentanone	0.166	0.190		14.46	20
Toluene	0.836	0.978		16.99	20
t-1,3-Dichloropropene	0.394	0.447		13.45	20
cis-1,3-Dichloropropene	0.465	0.526		13.12	20
1,1,2-Trichloroethane	0.242	0.281		16.12	20
2-Hexanone	0.119	0.137		15.13	20
Dibromochloromethane	0.339	0.390		15.04	20
1,2-Dibromoethane	0.231	0.264		14.29	20
Tetrachloroethene	0.516	0.614		18.99	20
Chlorobenzene	1.087	1.243	0.3	14.35	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.: Q3466
Instrument ID: MSVOA_Y
Calibration Date/Time: 10/27/2025 09:12
Lab File ID: VY023585.D
Init. Calib. Date(s): 10/07/2025 10/07/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 09:17 12:32
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.760	2.077		18.01	20
m/p-Xylenes	0.706	0.830		17.56	20
o-Xylene	0.662	0.788		19.03	20
Styrene	1.089	1.297		19.1	20
Bromoform	0.240	0.279	0.1	16.25	20
Isopropylbenzene	3.295	3.956		20.06	20
1,1,2,2-Tetrachloroethane	0.539	0.604	0.3	12.06	20
1,3-Dichlorobenzene	1.706	1.961		14.95	20
1,4-Dichlorobenzene	1.685	1.898		12.64	20
1,2-Dichlorobenzene	1.496	1.710		14.31	20
1,2-Dibromo-3-Chloropropane	0.088	0.096		9.09	20
1,2,4-Trichlorobenzene	0.932	1.068		14.59	20
1,2,3-Trichlorobenzene	0.808	0.927		14.73	20
1,2-Dichloroethane-d4	0.418	0.400		-4.31	20
Dibromofluoromethane	0.307	0.319		3.91	20
Toluene-d8	1.144	1.166		1.92	20
4-Bromofluorobenzene	0.378	0.391		3.44	20

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

SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023591.D
Acq On : 27 Oct 2025 12:07
Operator : SY/MD
Sample : Q3466-01
Misc : 6.29g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B8-0.5-1.0-20251023

Quant Time: Oct 28 04:38:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	731403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1204392	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	997355	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	392869	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	320975	52.480	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.960%			
35) Dibromofluoromethane	7.634	113	376712	50.904	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.800%			
50) Toluene-d8	10.109	98	1353397	49.108	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.220%			
62) 4-Bromofluorobenzene	12.408	95	379541	41.713	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 83.420%			

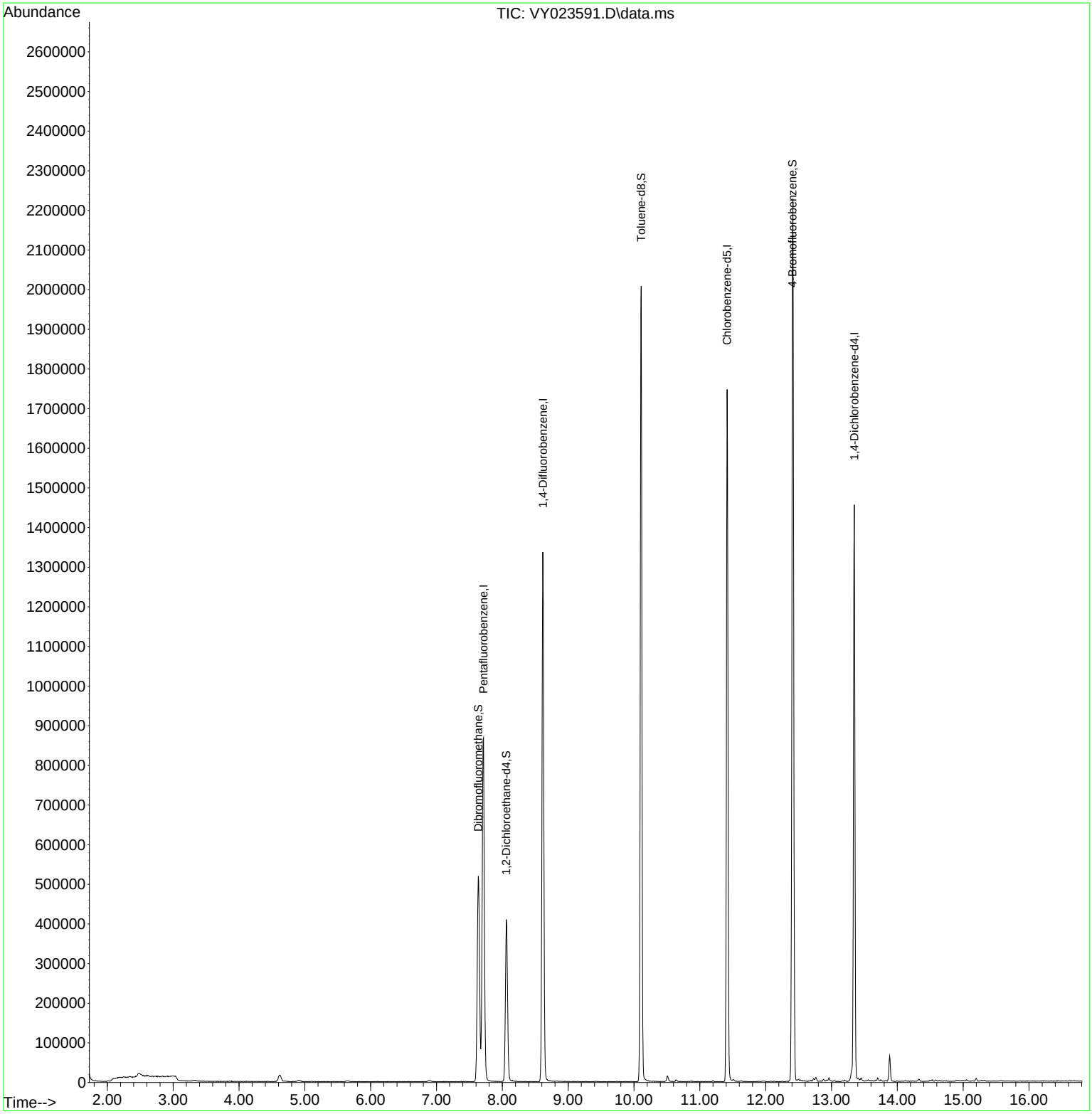
Target Compounds Qvalue

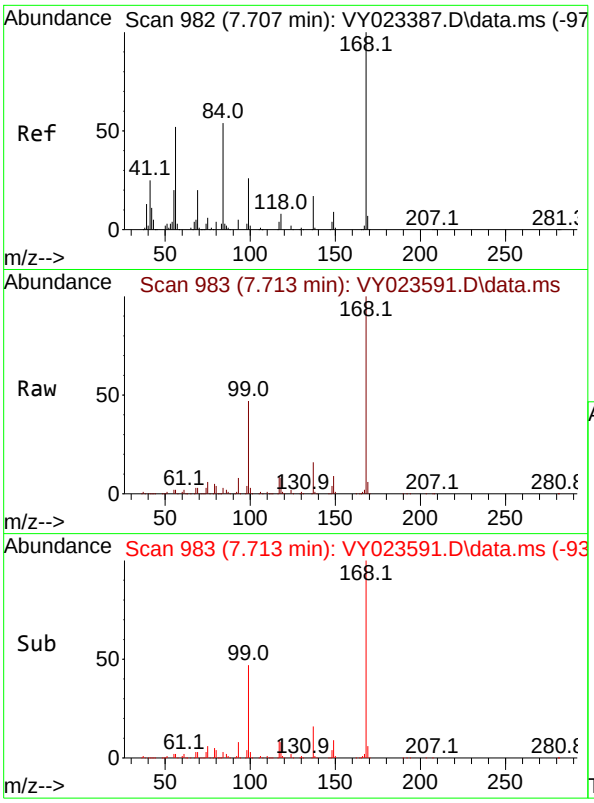
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023591.D
Acq On : 27 Oct 2025 12:07
Operator : SY/MD
Sample : Q3466-01
Misc : 6.29g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B8-0.5-1.0-20251023

Quant Time: Oct 28 04:38:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration



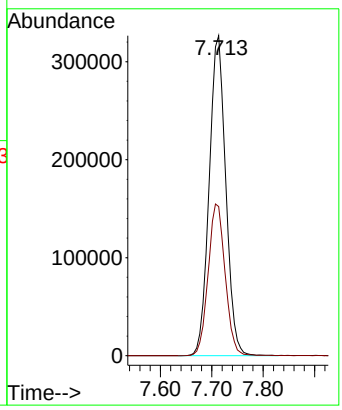


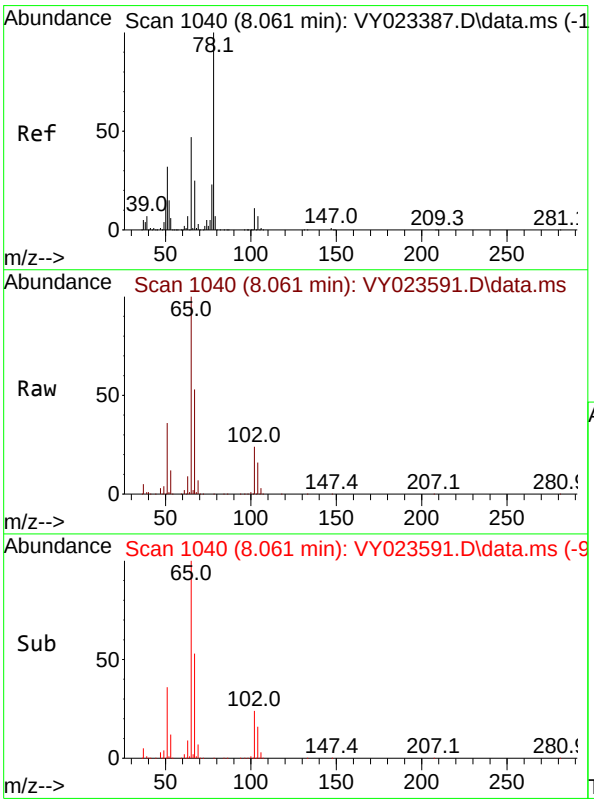
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023591.D
Acq: 27 Oct 2025 12:07

Instrument :
MSVOA_Y
ClientSampleId :
B8-0.5-1.0-20251023

Tgt Ion:168 Resp: 731403

Ion	Ratio	Lower	Upper
168	100		
99	46.6	39.7	59.5

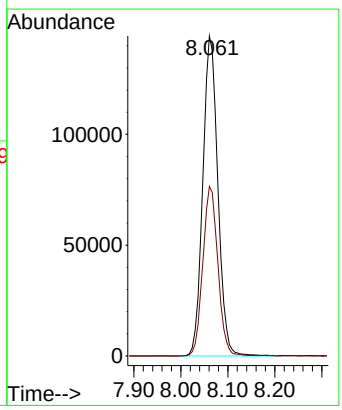


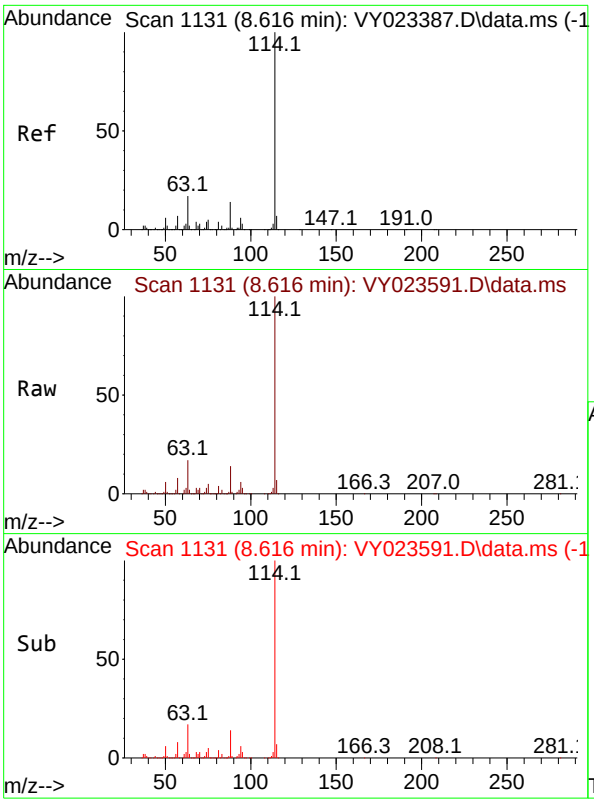


#33
1,2-Dichloroethane-d4
Concen: 52.480 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023591.D
Acq: 27 Oct 2025 12:07

Tgt Ion: 65 Resp: 320975

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	105.8



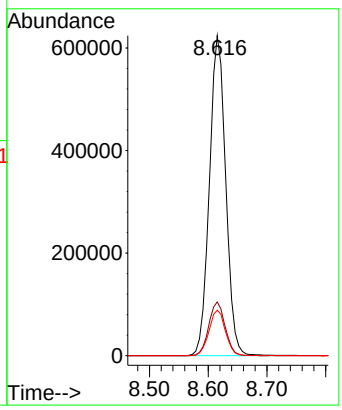


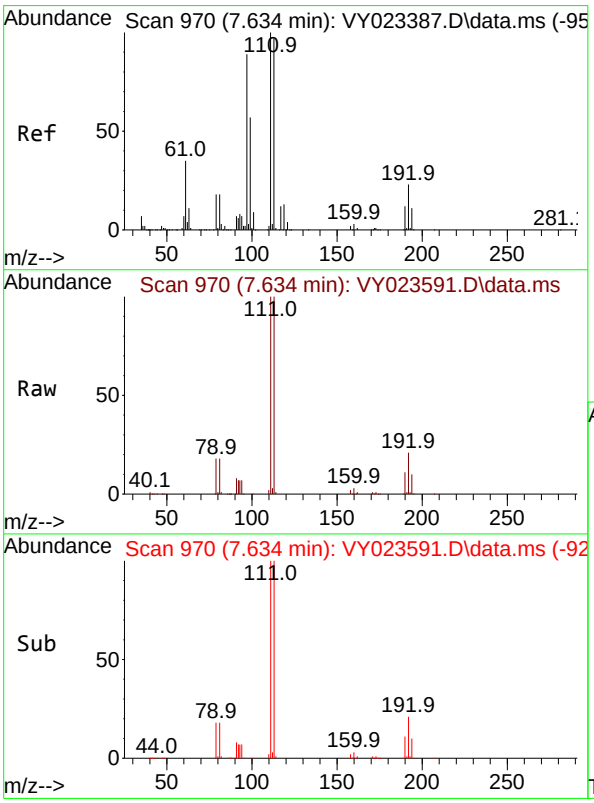
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023591.D
Acq: 27 Oct 2025 12:07

Instrument :
MSVOA_Y
ClientSampleId :
B8-0.5-1.0-20251023

Tgt Ion:114 Resp: 1204392

Ion	Ratio	Lower	Upper
114	100		
63	16.8	0.0	34.2
88	14.2	0.0	28.4

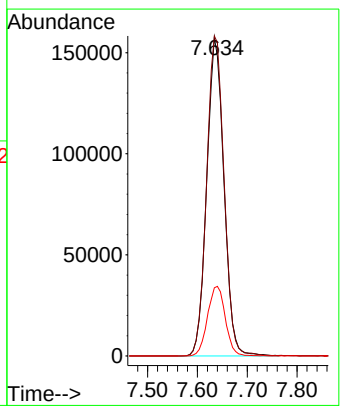


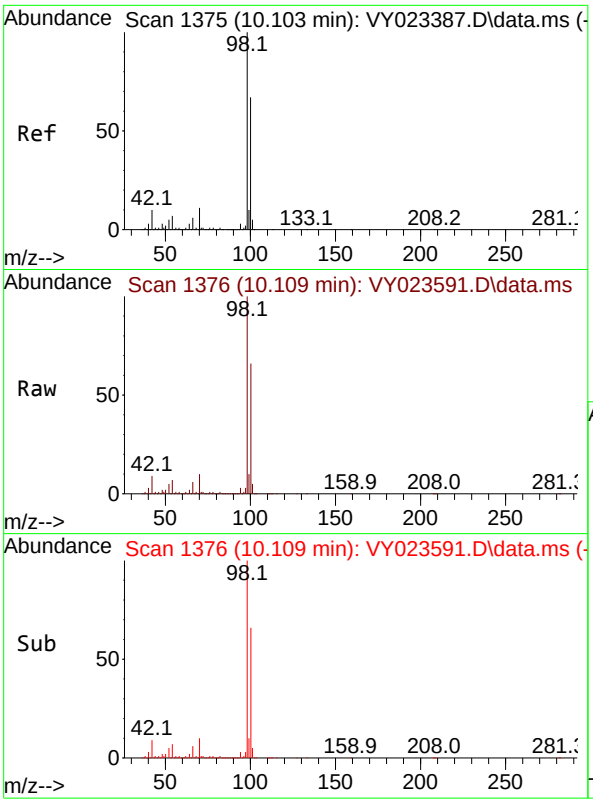


#35
Dibromofluoromethane
Concen: 50.904 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY023591.D
Acq: 27 Oct 2025 12:07

Tgt Ion:113 Resp: 376712

Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.8	122.6
192	22.7	18.0	27.0



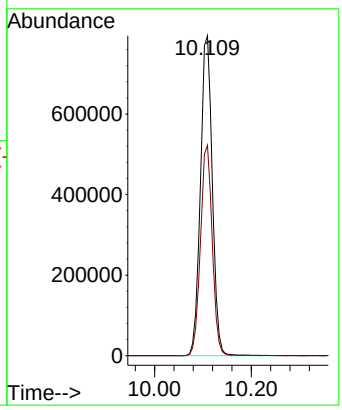


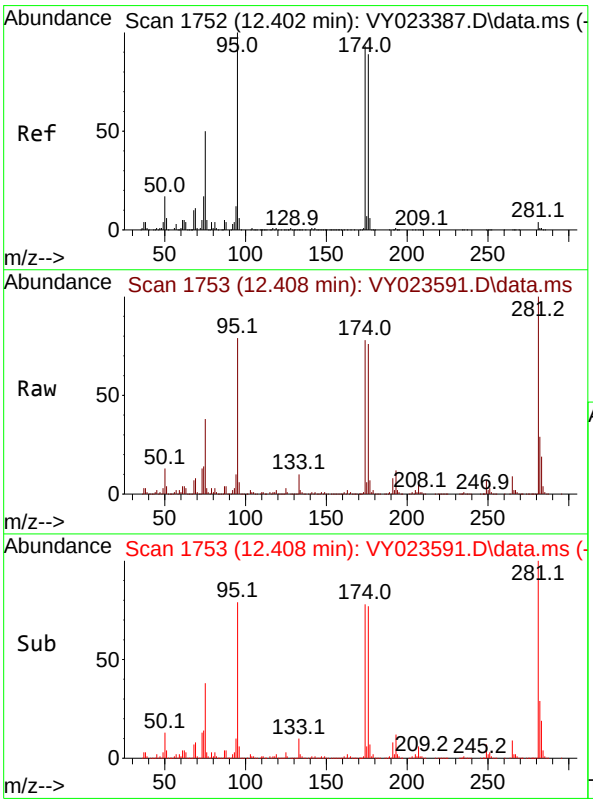
#50
Toluene-d8
Concen: 49.108 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023591.D
Acq: 27 Oct 2025 12:07

Instrument :
MSVOA_Y
ClientSampleId :
B8-0.5-1.0-20251023

Tgt Ion: 98 Resp: 1353397

Ion	Ratio	Lower	Upper
98	100		
100	65.4	53.0	79.4

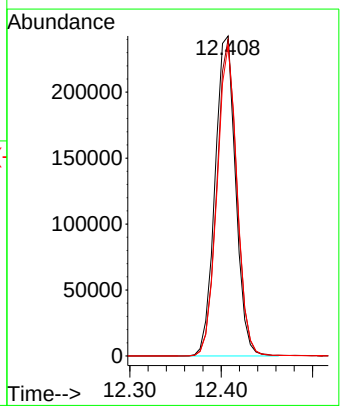


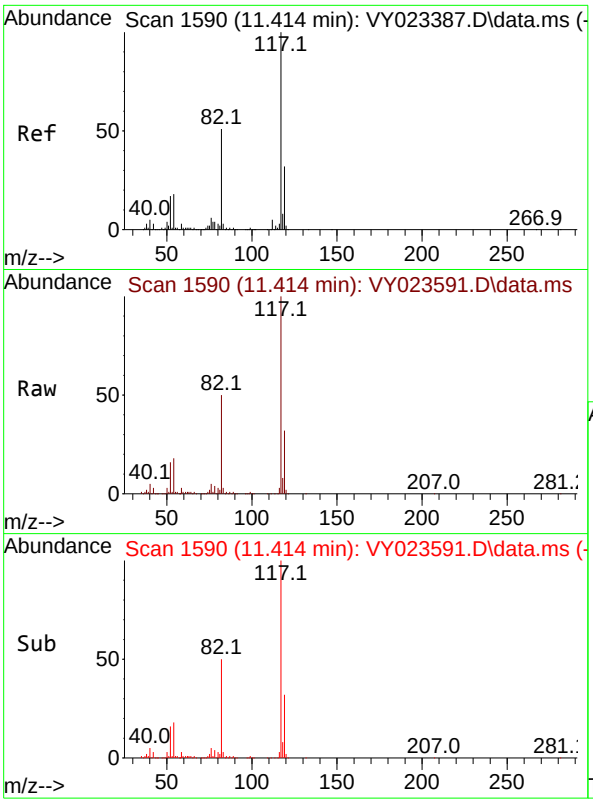


#62
4-Bromofluorobenzene
Concen: 41.713 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023591.D
Acq: 27 Oct 2025 12:07

Tgt Ion: 95 Resp: 379541

Ion	Ratio	Lower	Upper
95	100		
174	96.2	0.0	192.8
176	94.5	0.0	187.6



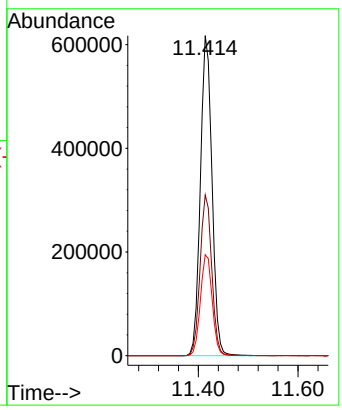


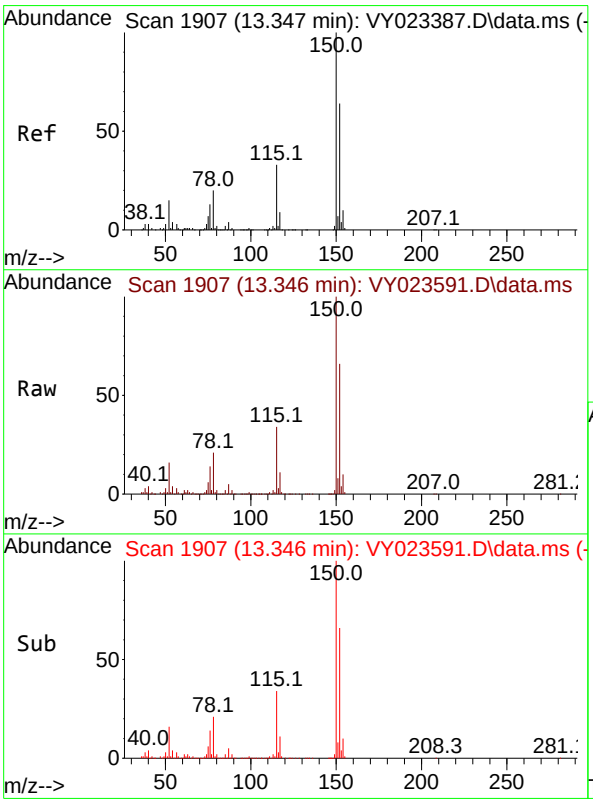
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023591.D
Acq: 27 Oct 2025 12:07

Instrument :
MSVOA_Y
ClientSampleId :
B8-0.5-1.0-20251023

Tgt Ion:117 Resp: 997355

Ion	Ratio	Lower	Upper
117	100		
82	50.3	41.0	61.4
119	31.6	25.6	38.4

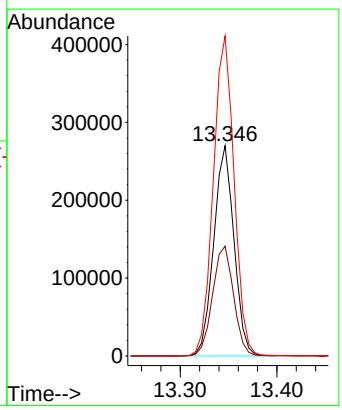




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023591.D
Acq: 27 Oct 2025 12:07

Tgt Ion:152 Resp: 392869

Ion	Ratio	Lower	Upper
152	100		
115	54.3	27.1	81.2
150	156.2	0.0	347.4



Sample Results: **VY023591.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023591.D
Acq On : 27 Oct 2025 12:07
Operator : SY/MD
Sample : Q3466-01
Misc : 6.29g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B8-0.5-1.0-20251023

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Title : SW846 8260

Signal : TIC: VY023591.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.616	466	475	485	rBV3	16154	50581	1.20%	0.257%
2	7.634	958	970	976	rBV	518389	1253343	29.84%	6.379%
3	7.713	976	983	995	rVB	864392	1980151	47.14%	10.078%
4	8.061	1029	1040	1054	rBV	408593	918137	21.86%	4.673%
5	8.616	1122	1131	1144	rBV	1336385	2596981	61.83%	13.217%
6	10.109	1367	1376	1392	rBV	2007200	3444461	82.00%	17.530%
7	11.414	1583	1590	1602	rBV	1745625	2833593	67.46%	14.421%
8	12.414	1743	1754	1765	rBV2	2226748	4200421	100.00%	21.377%
9	13.346	1891	1907	1916	rBV	1454640	2268717	54.01%	11.546%
10	13.883	1989	1995	2002	rBV2	63816	102468	2.44%	0.521%

Sum of corrected areas: 19648853

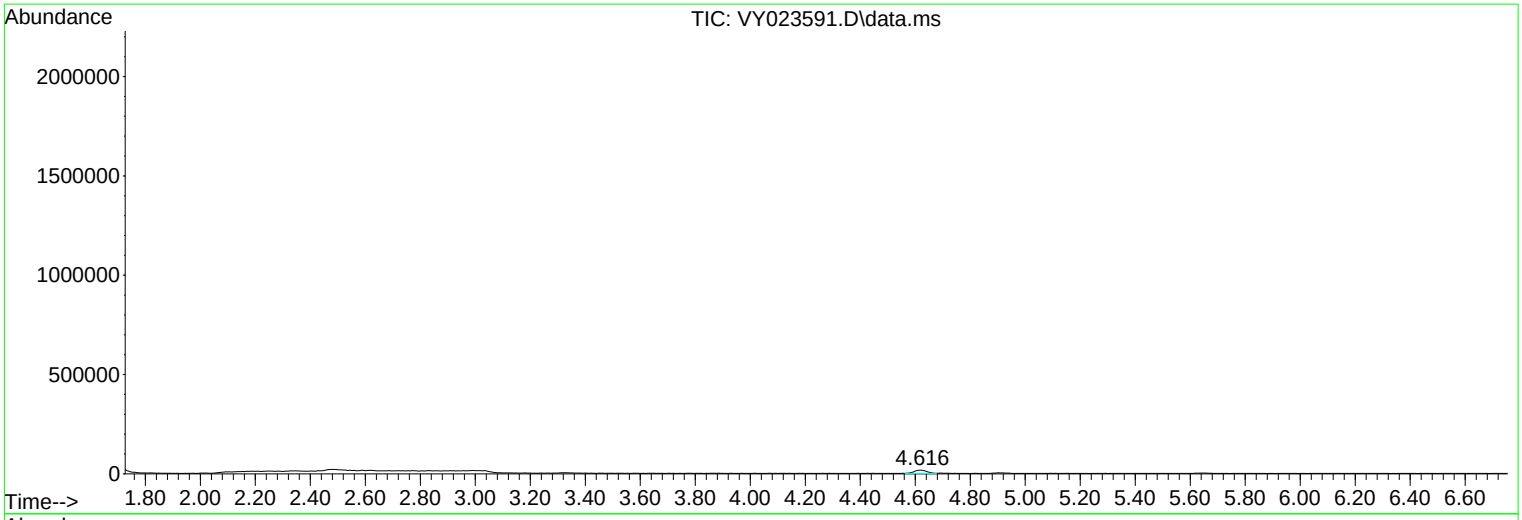
Sample Results: **VY023591.D**

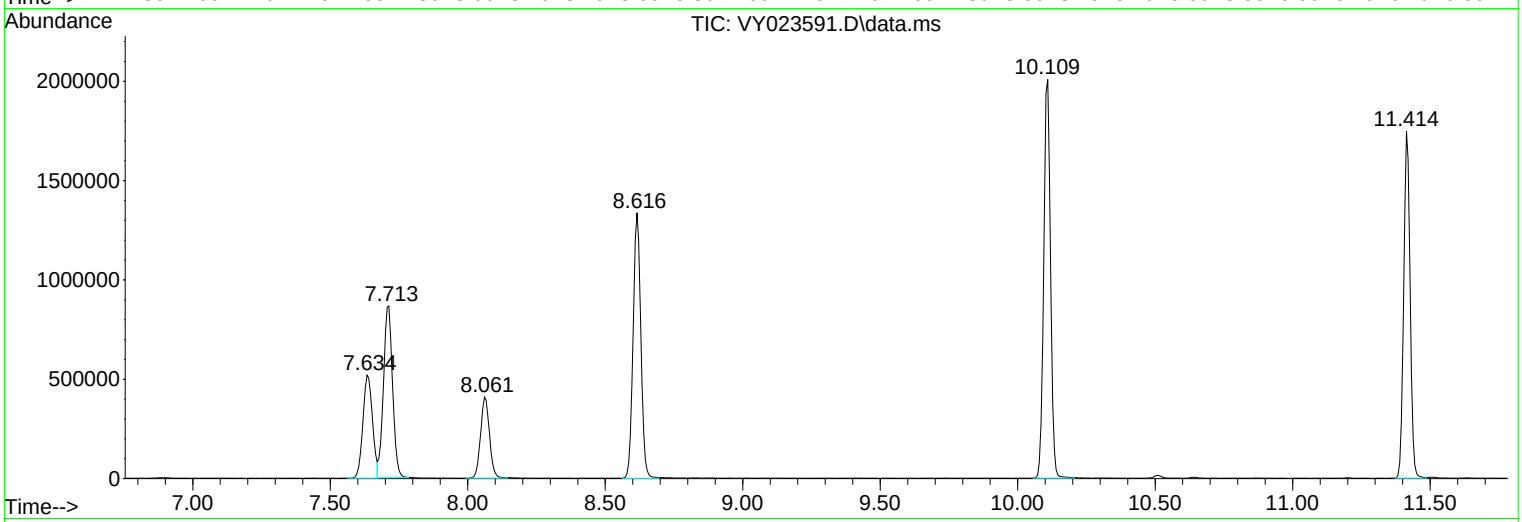
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023591.D
Acq On : 27 Oct 2025 12:07
Operator : SY/MD
Sample : Q3466-01
Misc : 6.29g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

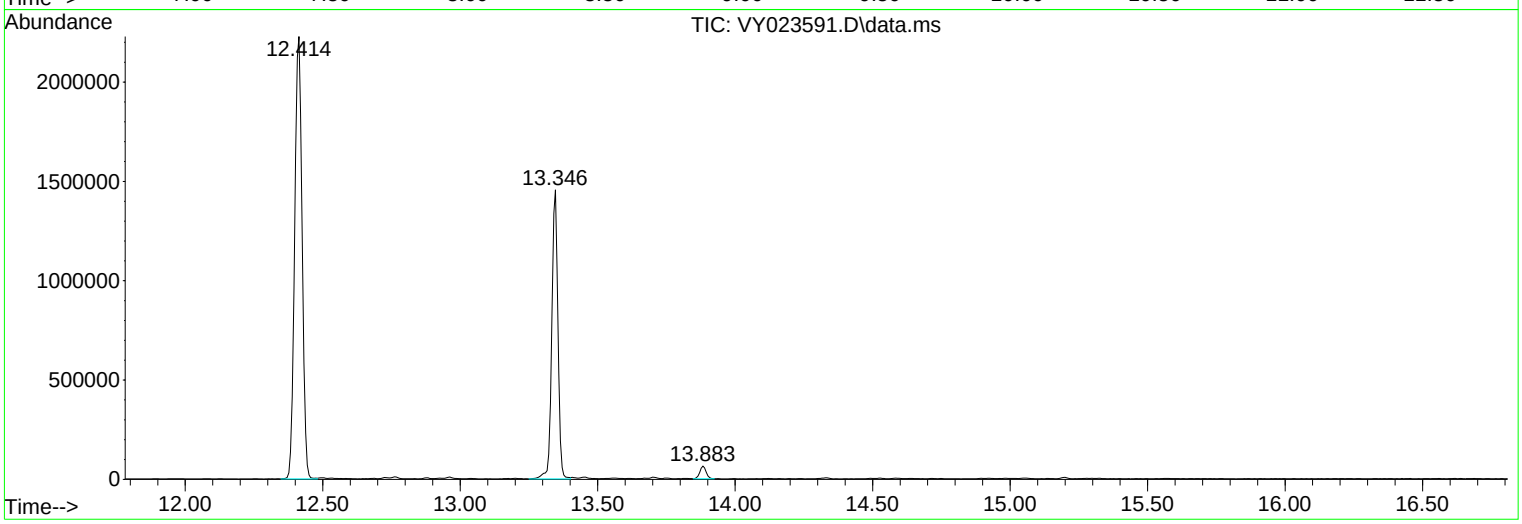
Instrument :
MSVOA_Y
ClientSampleId :
B8-0.5-1.0-20251023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VY023591.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023591.D
Acq On : 27 Oct 2025 12:07
Operator : SY/MD
Sample : Q3466-01
Misc : 6.29g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B8-0.5-1.0-20251023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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

A
B
C
D
E
F
G
H
I
J

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023591.D
Acq On : 27 Oct 2025 12:07
Operator : SY/MD
Sample : Q3466-01
Misc : 6.29g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B8-0.5-1.0-20251023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023592.D
Acq On : 27 Oct 2025 12:30
Operator : SY/MD
Sample : Q3466-04
Misc : 4.79g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B9-0.5-1.0-20251023

Quant Time: Oct 28 04:39:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	745194	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1231218	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	979970	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	361763	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	314555	50.479	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.960%			
35) Dibromofluoromethane	7.634	113	380851	50.342	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.680%			
50) Toluene-d8	10.109	98	1364092	48.417	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.840%			
62) 4-Bromofluorobenzene	12.408	95	359173	38.614	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 77.220%			

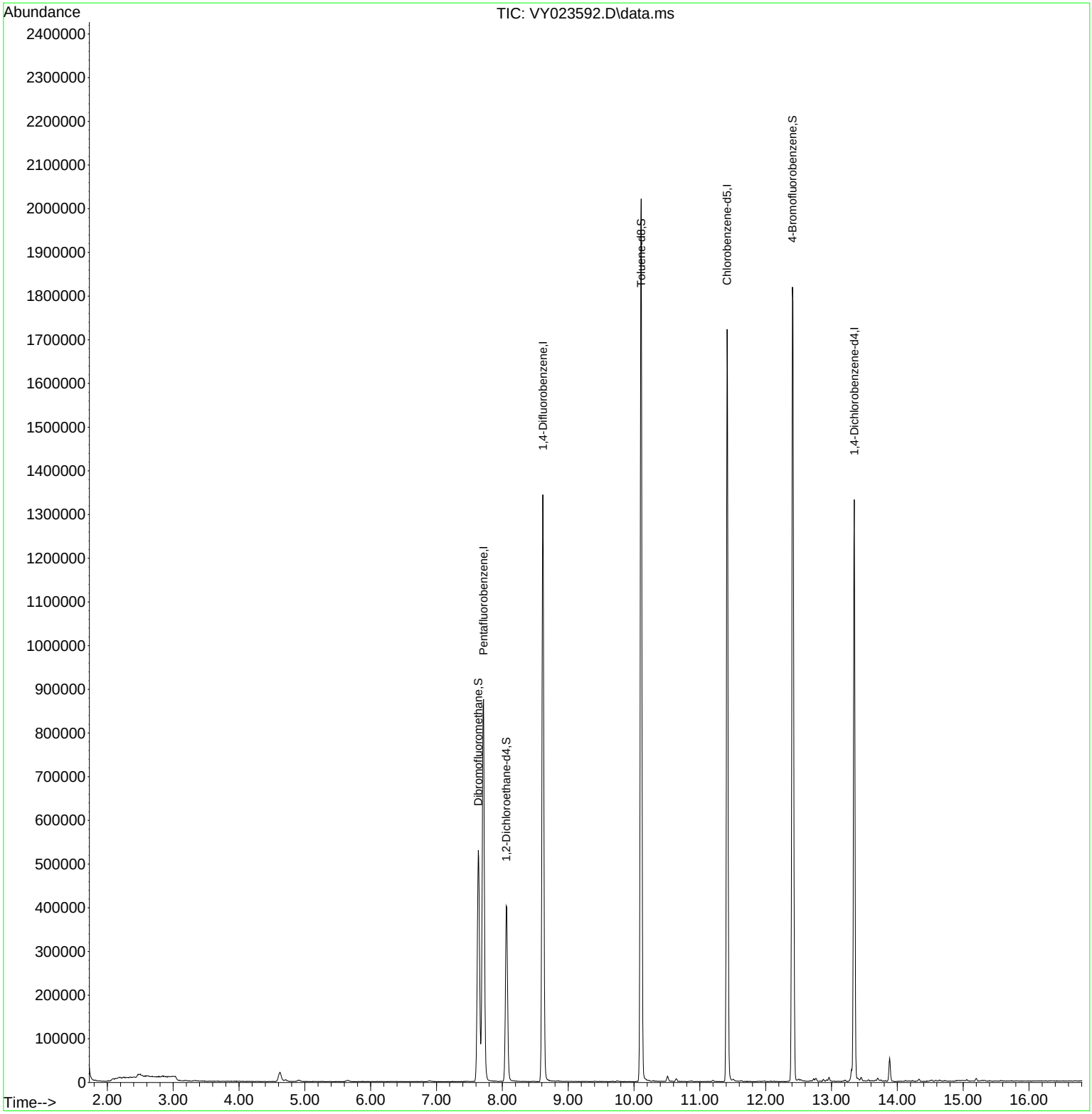
Target Compounds Qvalue

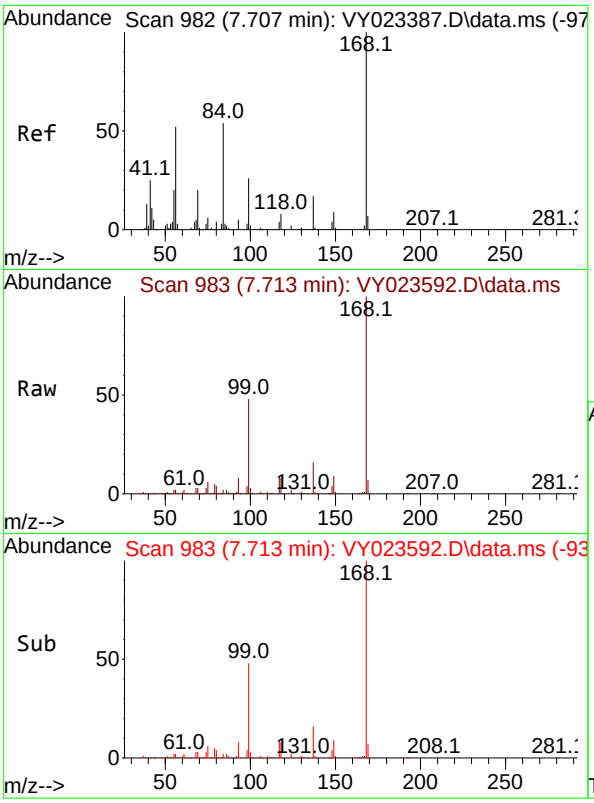
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023592.D
Acq On : 27 Oct 2025 12:30
Operator : SY/MD
Sample : Q3466-04
Misc : 4.79g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B9-0.5-1.0-20251023

Quant Time: Oct 28 04:39:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration



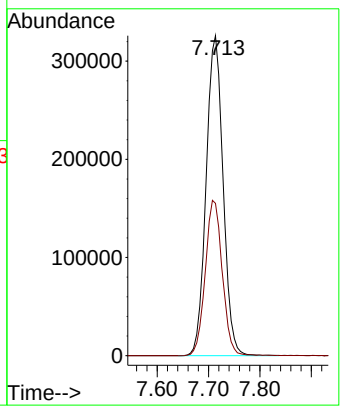


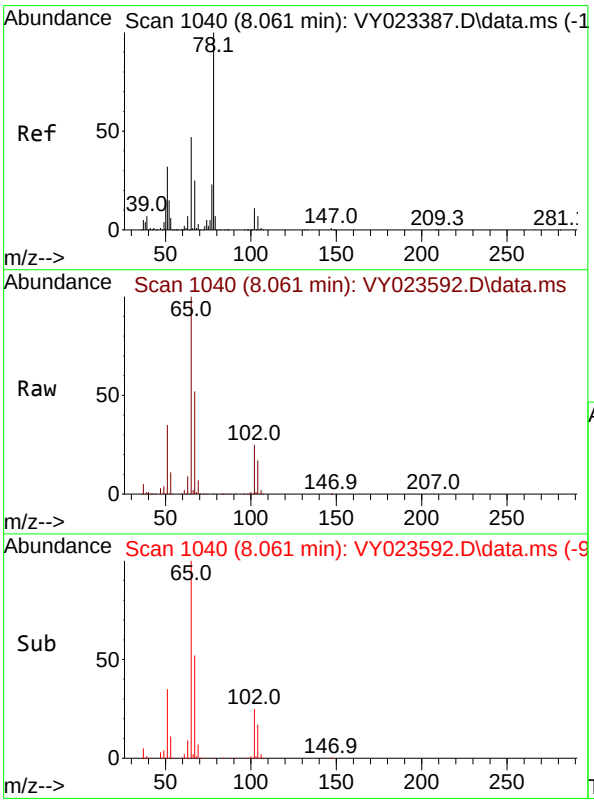
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023592.D
Acq: 27 Oct 2025 12:30

Instrument :
MSVOA_Y
ClientSampleId :
B9-0.5-1.0-20251023

Tgt Ion:168 Resp: 745194

Ion	Ratio	Lower	Upper
168	100		
99	47.6	39.7	59.5

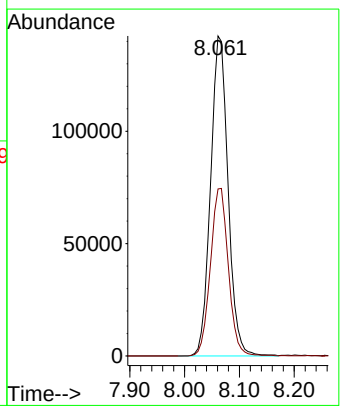


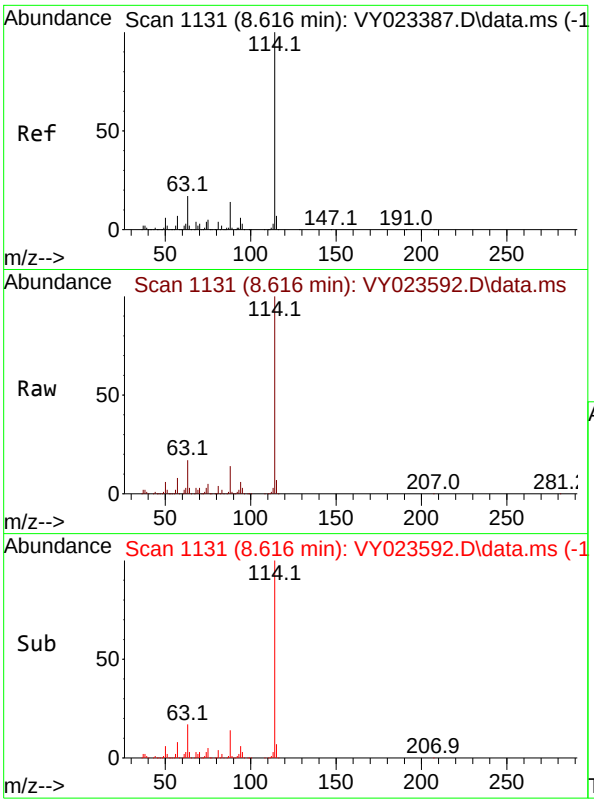


#33
1,2-Dichloroethane-d4
Concen: 50.479 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023592.D
Acq: 27 Oct 2025 12:30

Tgt Ion: 65 Resp: 314555

Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	105.8



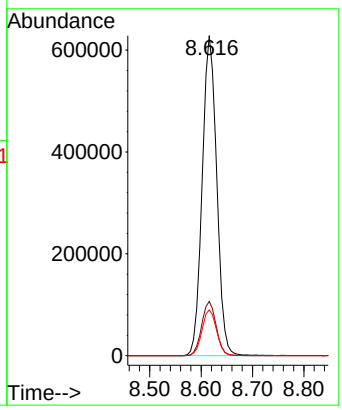


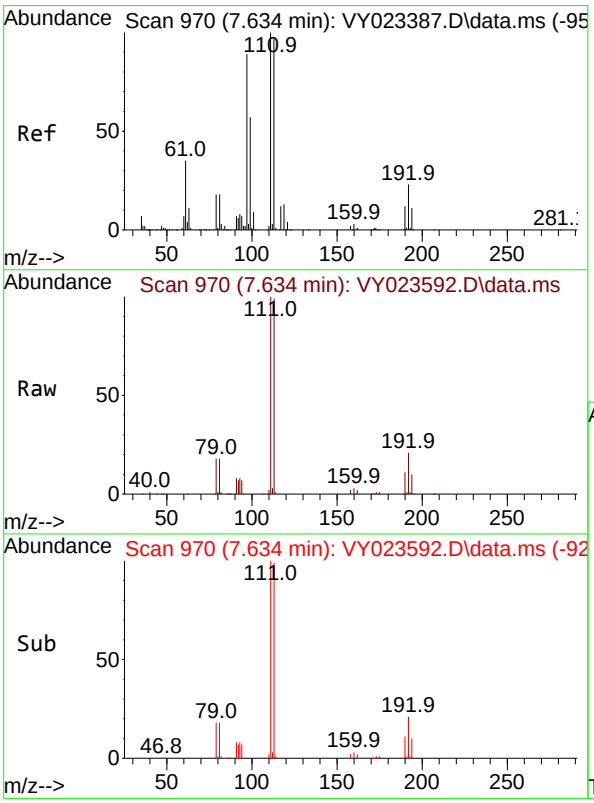
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023592.D
Acq: 27 Oct 2025 12:30

Instrument :
MSVOA_Y
ClientSampleId :
B9-0.5-1.0-20251023

Tgt Ion:114 Resp: 1231218

Ion	Ratio	Lower	Upper
114	100		
63	17.0	0.0	34.2
88	14.3	0.0	28.4

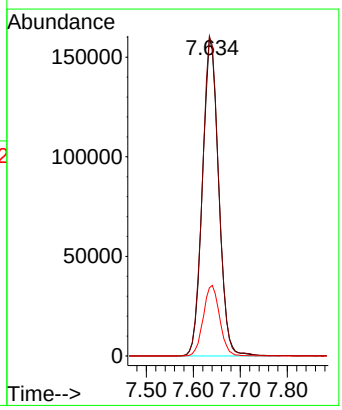


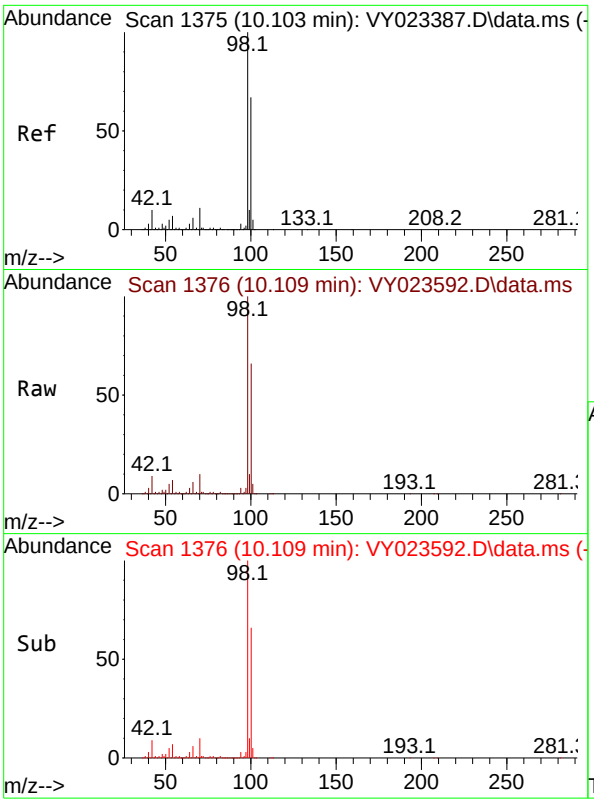


#35
Dibromofluoromethane
Concen: 50.342 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023592.D
Acq: 27 Oct 2025 12:30

Tgt Ion:113 Resp: 380851

Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.8	122.6
192	22.5	18.0	27.0



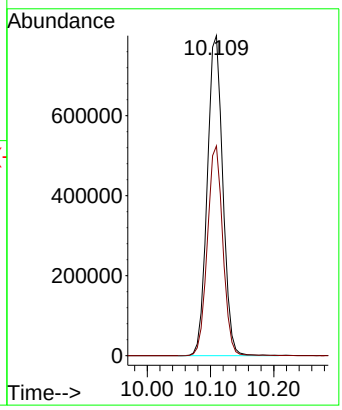


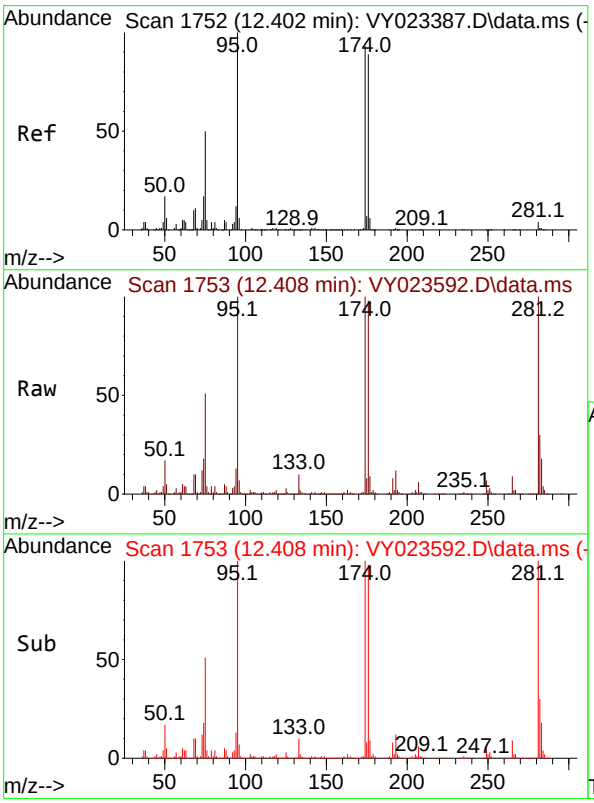
#50
Toluene-d8
Concen: 48.417 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023592.D
Acq: 27 Oct 2025 12:30

Instrument :
MSVOA_Y
ClientSampleId :
B9-0.5-1.0-20251023

Tgt Ion: 98 Resp: 1364092

Ion	Ratio	Lower	Upper
98	100		
100	65.3	53.0	79.4

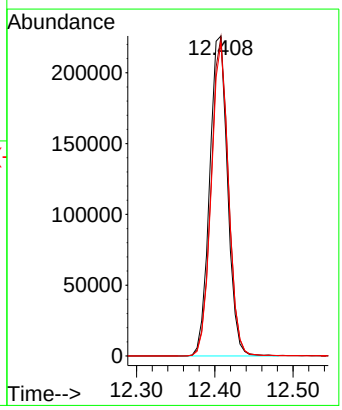


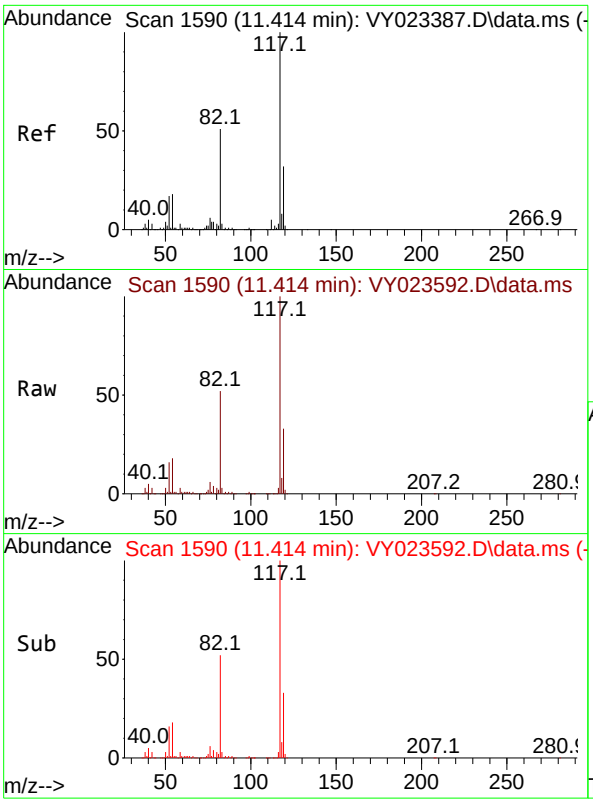


#62
4-Bromofluorobenzene
Concen: 38.614 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023592.D
Acq: 27 Oct 2025 12:30

Tgt Ion: 95 Resp: 359173

Ion	Ratio	Lower	Upper
95	100		
174	96.5	0.0	192.8
176	94.2	0.0	187.6



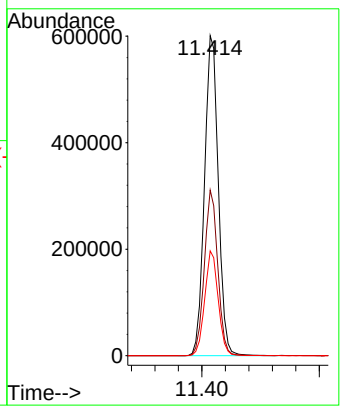


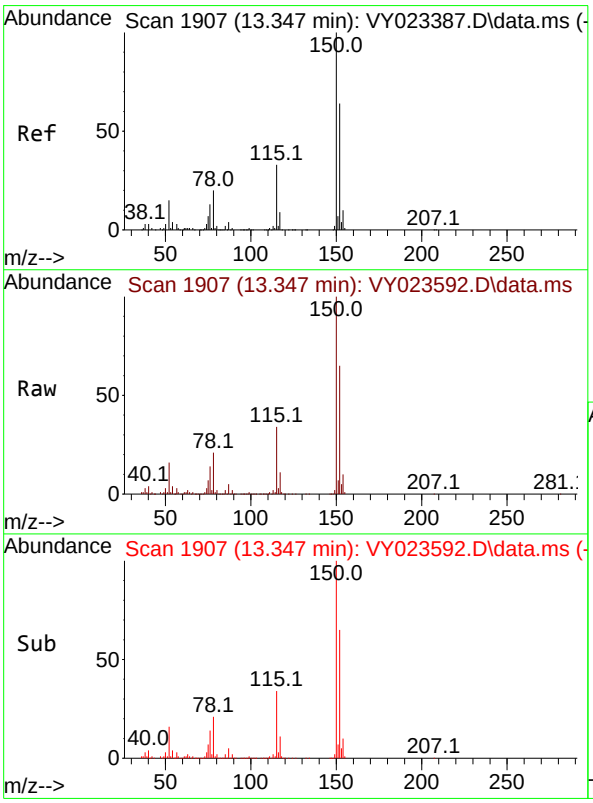
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023592.D
Acq: 27 Oct 2025 12:30

Instrument :
MSVOA_Y
ClientSampleId :
B9-0.5-1.0-20251023

Tgt Ion:117 Resp: 979970

Ion	Ratio	Lower	Upper
117	100		
82	51.7	41.0	61.4
119	32.7	25.6	38.4

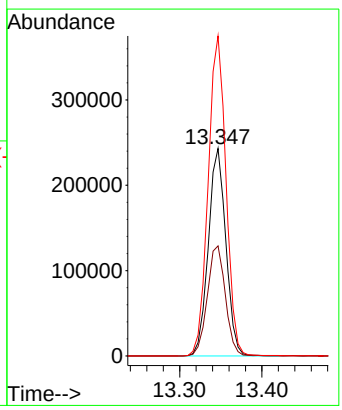




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023592.D
Acq: 27 Oct 2025 12:30

Tgt Ion:152 Resp: 361763

Ion	Ratio	Lower	Upper
152	100		
115	54.6	27.1	81.2
150	156.6	0.0	347.4



Sample Results: **VY023592.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023592.D
Acq On : 27 Oct 2025 12:30
Operator : SY/MD
Sample : Q3466-04
Misc : 4.79g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B9-0.5-1.0-20251023

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Title : SW846 8260

Signal : TIC: VY023592.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.623	465	476	486	rBV2	21206	69246	1.98%	0.368%
2	7.634	960	970	976	rBV	529717	1258826	35.91%	6.688%
3	7.713	976	983	1001	rVB	873899	2030660	57.92%	10.789%
4	8.061	1031	1040	1055	rBV	401038	899358	25.65%	4.778%
5	8.616	1122	1131	1144	rBV	1343243	2653234	75.68%	14.097%
6	10.109	1367	1376	1389	rBV	2020262	3474166	99.10%	18.459%
7	11.414	1581	1590	1601	rBV	1722005	2785886	79.46%	14.802%
8	12.408	1745	1753	1764	rBV2	1817312	3505833	100.00%	18.627%
9	13.304	1891	1900	1901	rBV	27281	37474	1.07%	0.199%
10	13.347	1901	1907	1914	rVB	1325797	2021193	57.65%	10.739%
11	13.883	1988	1995	2002	rBV	52595	85523	2.44%	0.454%

Sum of corrected areas: 18821399

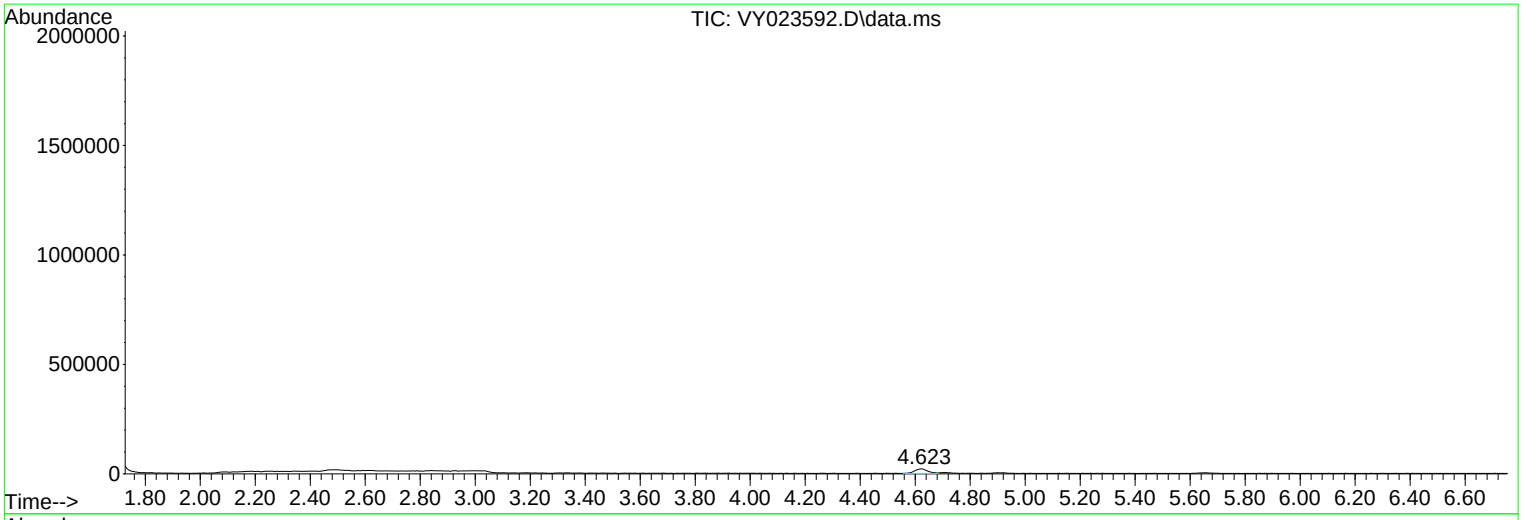
Sample Results: **VY023592.D**

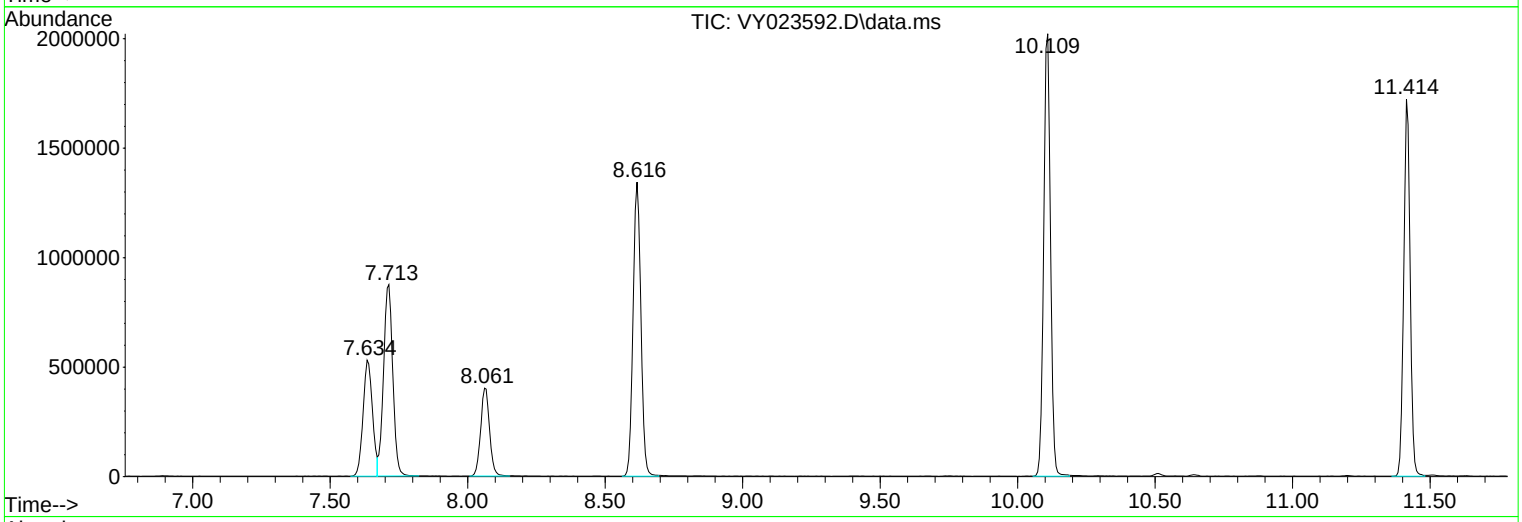
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023592.D
Acq On : 27 Oct 2025 12:30
Operator : SY/MD
Sample : Q3466-04
Misc : 4.79g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

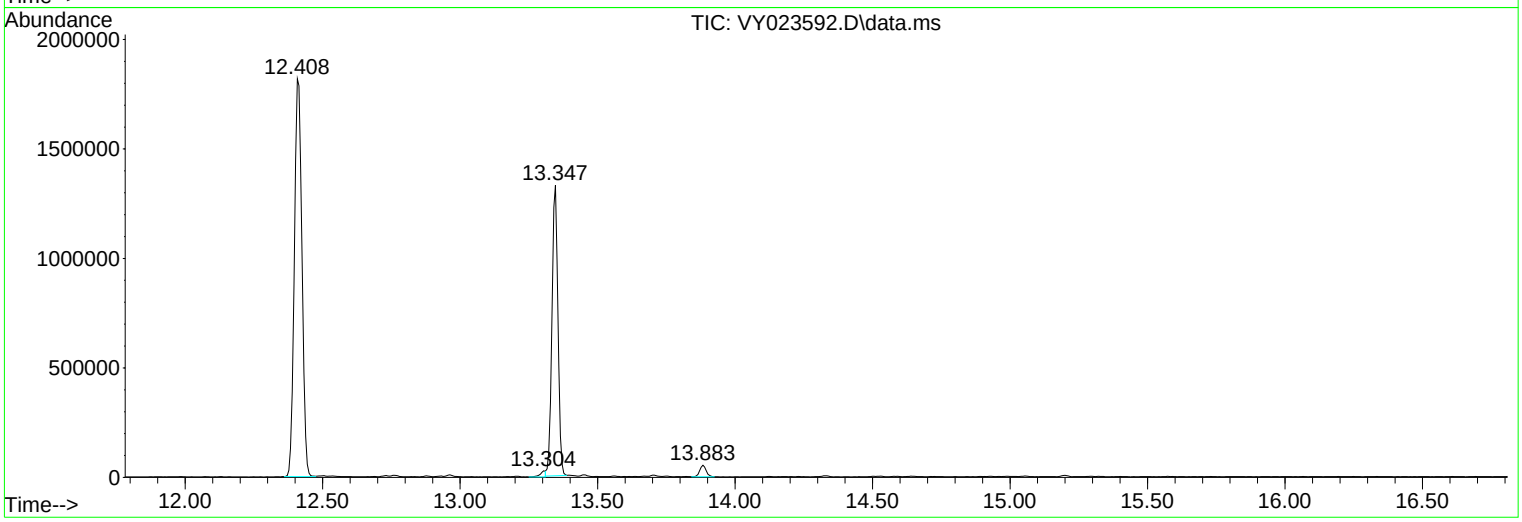
Instrument :
MSVOA_Y
ClientSampleId :
B9-0.5-1.0-20251023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VY023592.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023592.D
Acq On : 27 Oct 2025 12:30
Operator : SY/MD
Sample : Q3466-04
Misc : 4.79g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B9-0.5-1.0-20251023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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

A
B
C
D
E
F
G
H
I
J

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023592.D
Acq On : 27 Oct 2025 12:30
Operator : SY/MD
Sample : Q3466-04
Misc : 4.79g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B9-0.5-1.0-20251023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023593.D
Acq On : 27 Oct 2025 12:54
Operator : SY/MD
Sample : Q3466-06
Misc : 4.55g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B7-1.5-2.0-20251023

Quant Time: Oct 28 04:39:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	731194	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1218761	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	996988	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	398135	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	310742	50.822	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.640%			
35) Dibromofluoromethane	7.634	113	371668	49.630	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.260%			
50) Toluene-d8	10.109	98	1366327	48.992	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.980%			
62) 4-Bromofluorobenzene	12.408	95	381673	41.453	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 82.900%			

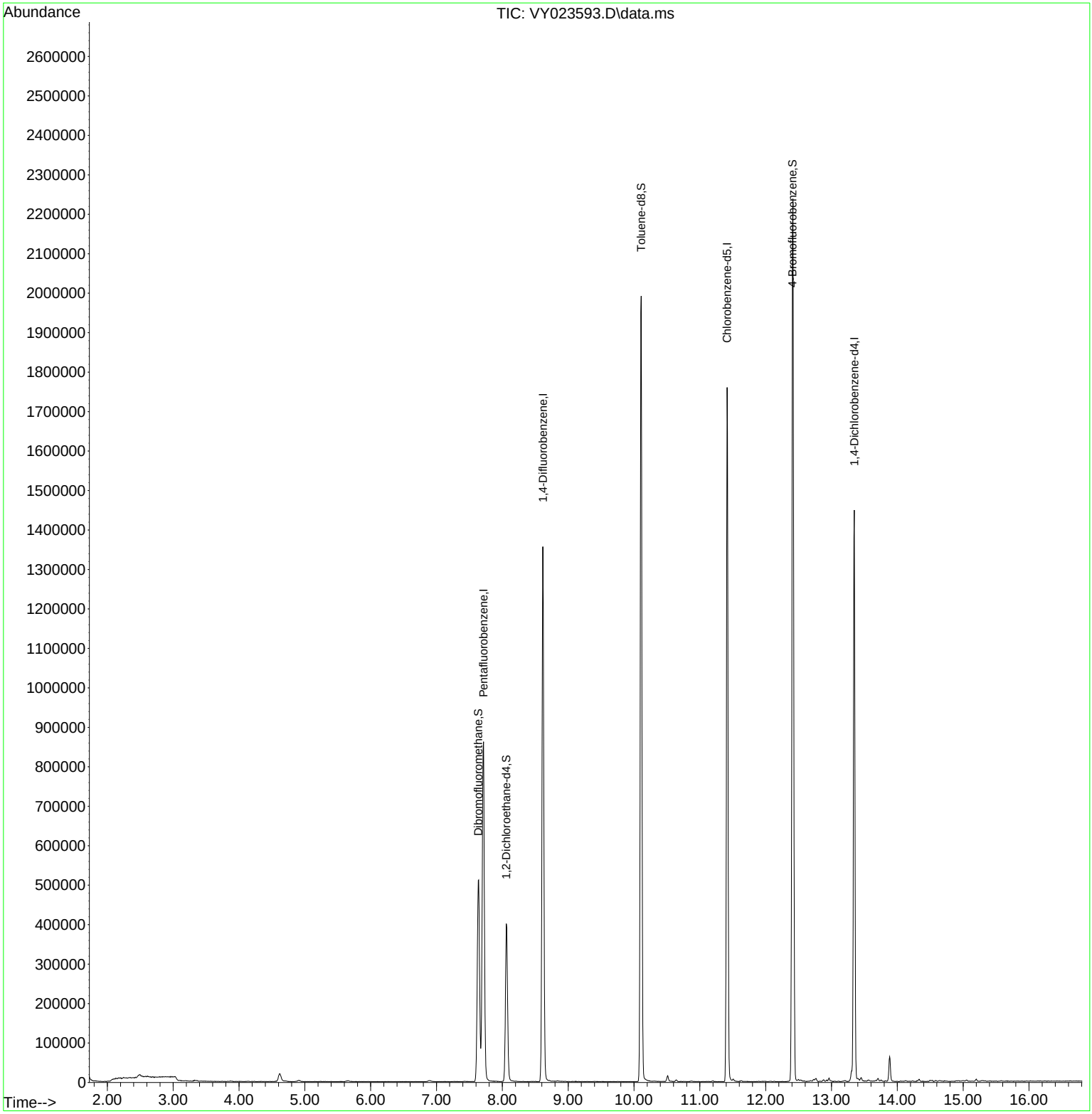
Target Compounds Qvalue

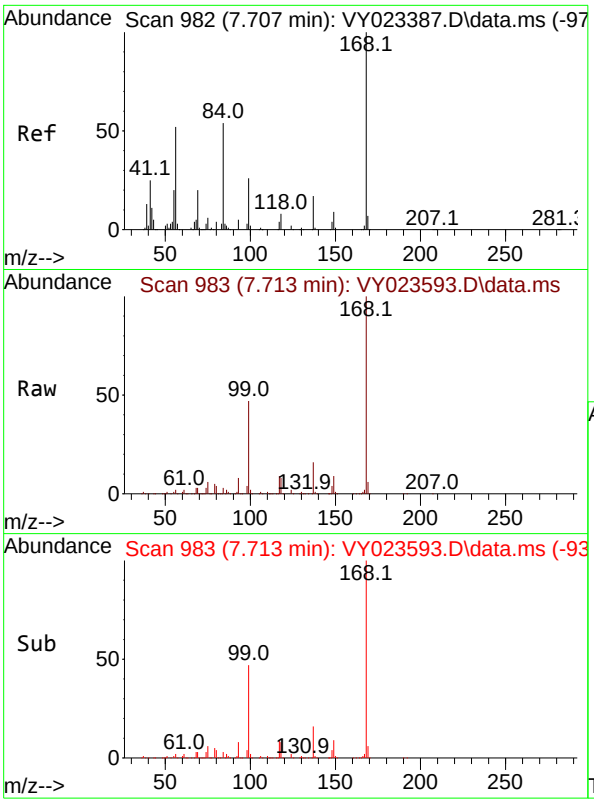
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023593.D
Acq On : 27 Oct 2025 12:54
Operator : SY/MD
Sample : Q3466-06
Misc : 4.55g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B7-1.5-2.0-20251023

Quant Time: Oct 28 04:39:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration



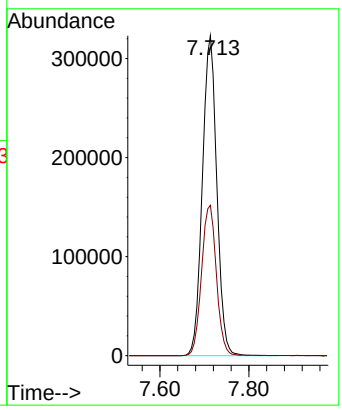


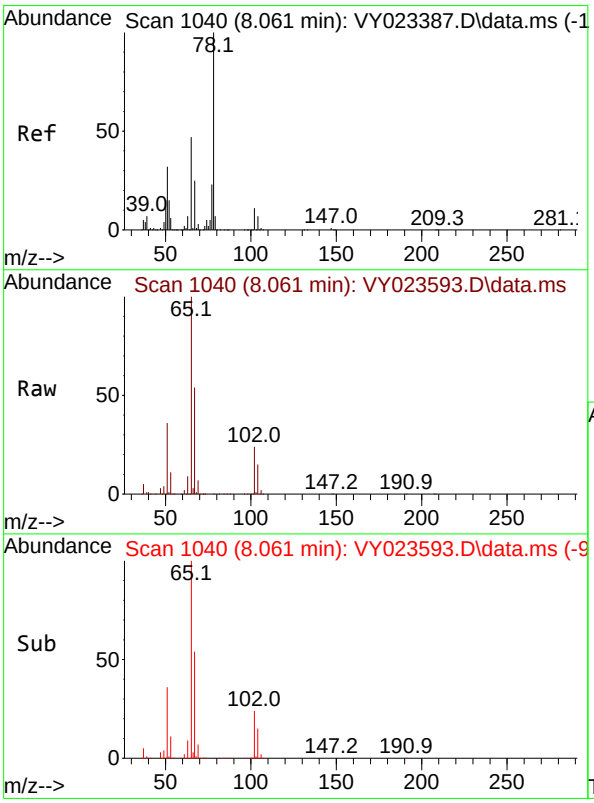
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023593.D
Acq: 27 Oct 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
B7-1.5-2.0-20251023

Tgt Ion:168 Resp: 731194

Ion	Ratio	Lower	Upper
168	100		
99	47.0	39.7	59.5

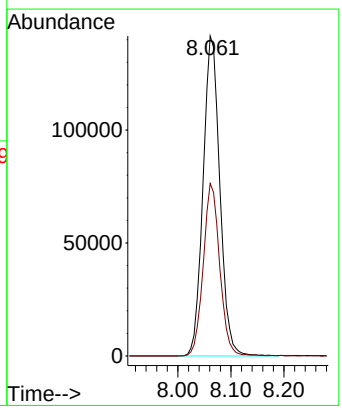


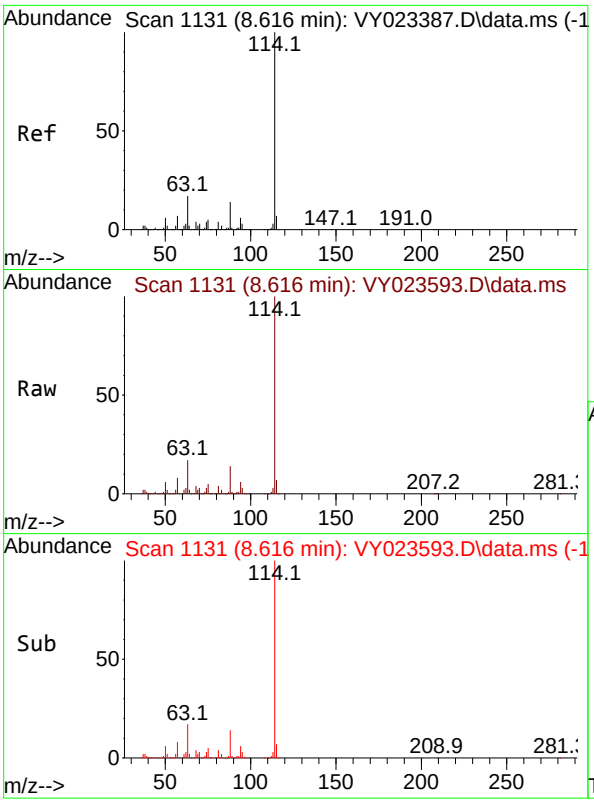


#33
1,2-Dichloroethane-d4
Concen: 50.822 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023593.D
Acq: 27 Oct 2025 12:54

Tgt Ion: 65 Resp: 310742

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	105.8



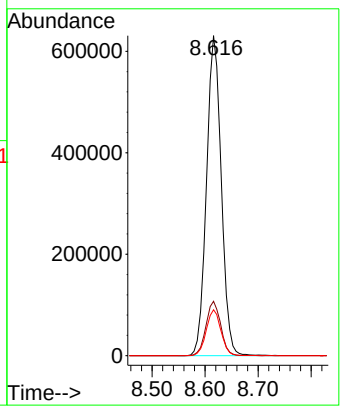


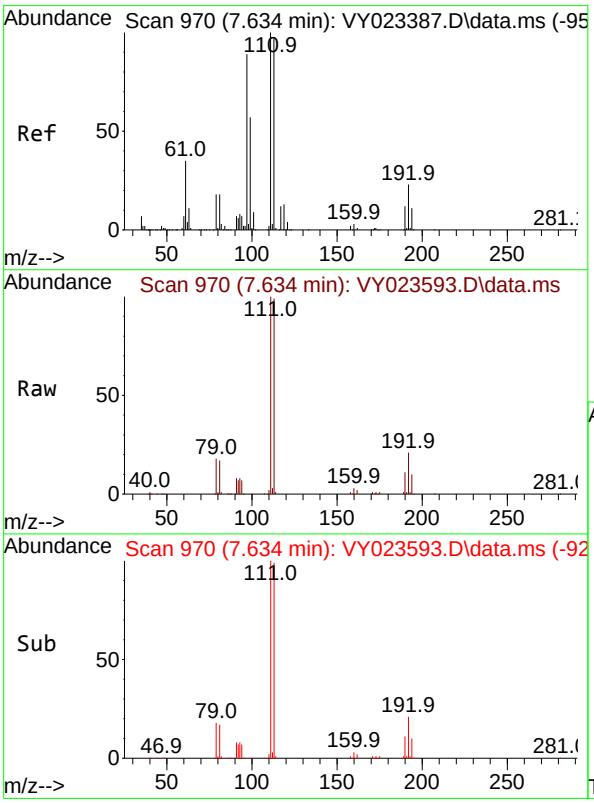
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023593.D
Acq: 27 Oct 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
B7-1.5-2.0-20251023

Tgt Ion:114 Resp: 1218761

Ion	Ratio	Lower	Upper
114	100		
63	17.0	0.0	34.2
88	14.4	0.0	28.4

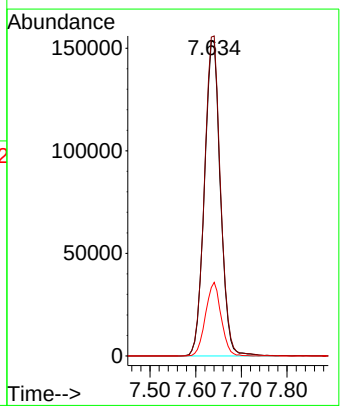


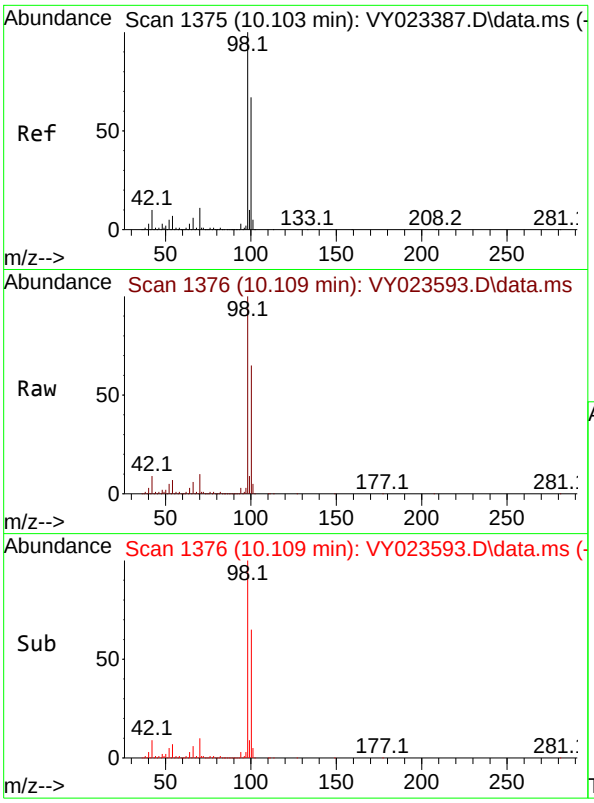


#35
Dibromofluoromethane
Concen: 49.630 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023593.D
Acq: 27 Oct 2025 12:54

Tgt Ion:113 Resp: 371668

Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.8	122.6
192	22.9	18.0	27.0



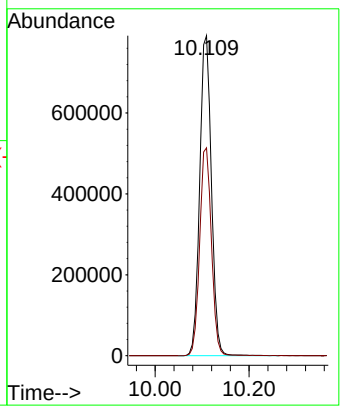


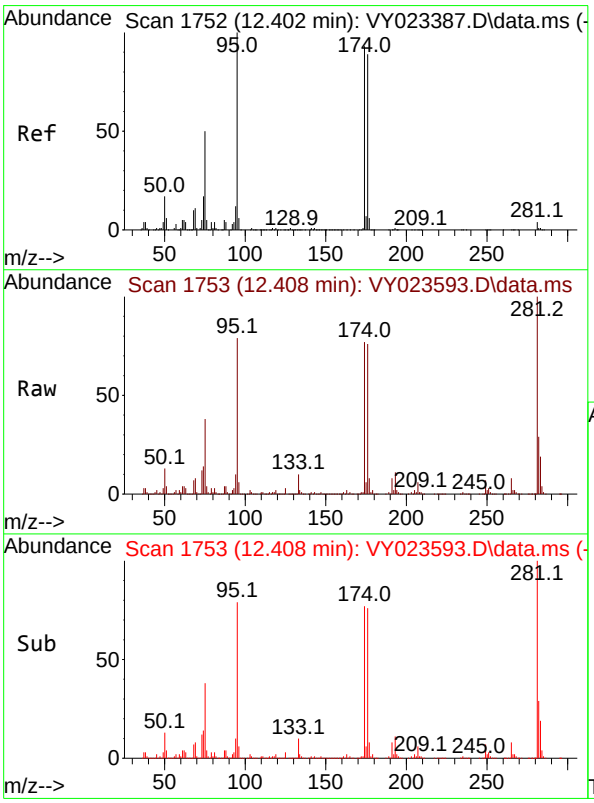
#50
Toluene-d8
Concen: 48.992 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023593.D
Acq: 27 Oct 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
B7-1.5-2.0-20251023

Tgt Ion: 98 Resp: 1366327

Ion	Ratio	Lower	Upper
98	100		
100	65.3	53.0	79.4

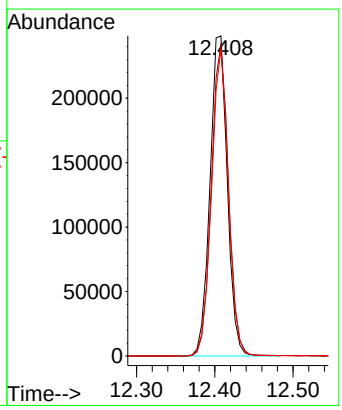


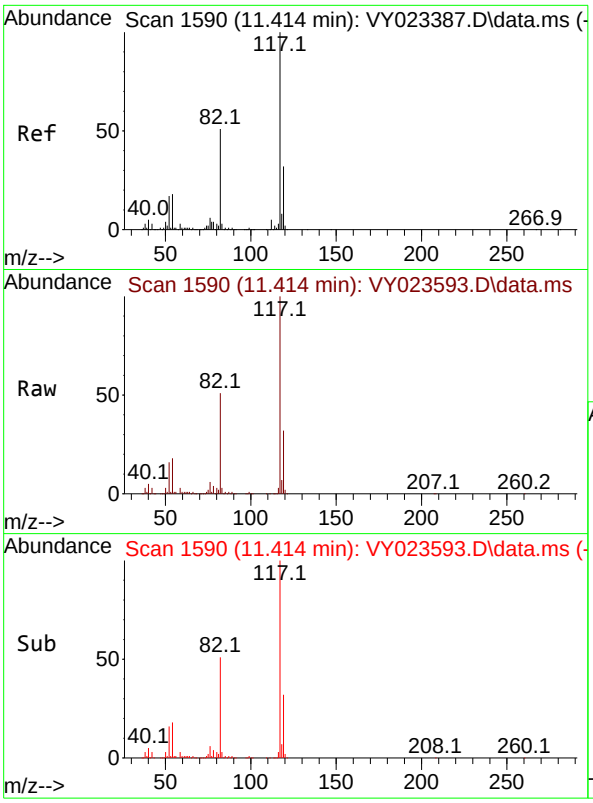


#62
4-Bromofluorobenzene
Concen: 41.453 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023593.D
Acq: 27 Oct 2025 12:54

Tgt Ion: 95 Resp: 381673

Ion	Ratio	Lower	Upper
95	100		
174	96.2	0.0	192.8
176	93.9	0.0	187.6



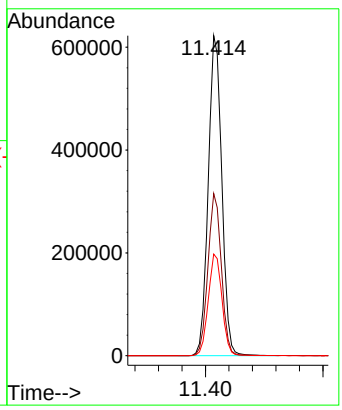


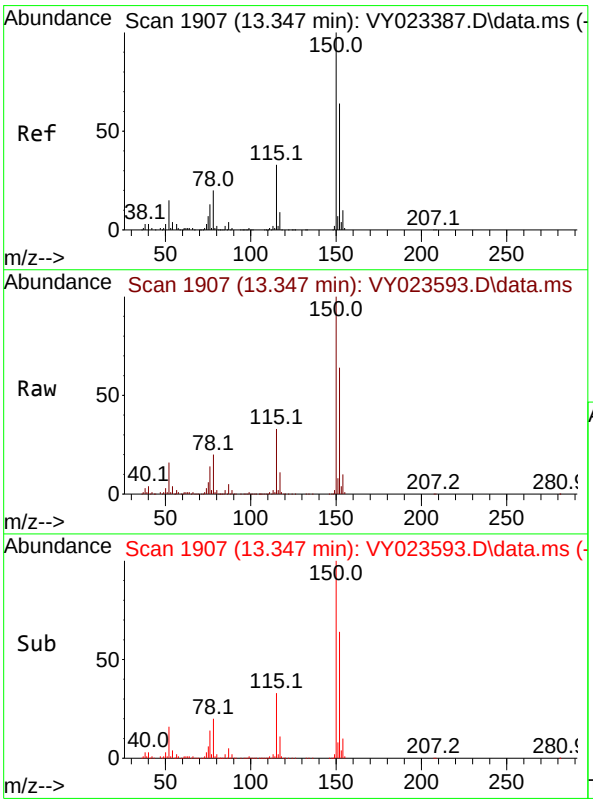
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023593.D
Acq: 27 Oct 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
B7-1.5-2.0-20251023

Tgt Ion:117 Resp: 996988

Ion	Ratio	Lower	Upper
117	100		
82	50.6	41.0	61.4
119	31.8	25.6	38.4

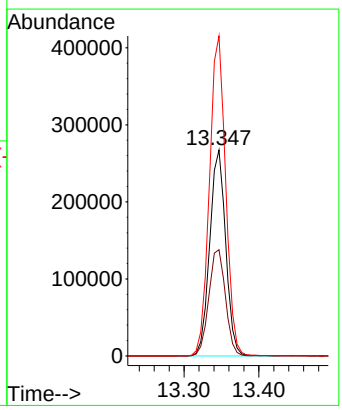




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023593.D
Acq: 27 Oct 2025 12:54

Tgt Ion:152 Resp: 398135

Ion	Ratio	Lower	Upper
152	100		
115	53.8	27.1	81.2
150	157.4	0.0	347.4



Sample Results: **VY023593.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023593.D
Acq On : 27 Oct 2025 12:54
Operator : SY/MD
Sample : Q3466-06
Misc : 4.55g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B7-1.5-2.0-20251023

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Title : SW846 8260

Signal : TIC: VY023593.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.616	466	475	486	rBV3	19851	59664	1.42%	0.303%
2	7.640	959	971	976	rBV	511126	1236081	29.44%	6.273%
3	7.713	976	983	1000	rVB	860126	1993114	47.47%	10.115%
4	8.061	1027	1040	1061	rBV	399916	891933	21.24%	4.526%
5	8.616	1121	1131	1146	rBV	1355473	2623029	62.47%	13.311%
6	10.109	1366	1376	1393	rBV	1990724	3479962	82.88%	17.660%
7	11.414	1583	1590	1602	rBV	1758726	2835412	67.53%	14.389%
8	12.414	1742	1754	1764	rBV2	2236507	4198765	100.00%	21.308%
9	13.347	1893	1907	1914	rBV	1447792	2278221	54.26%	11.561%
10	13.883	1989	1995	2010	rVB2	62709	109171	2.60%	0.554%

Sum of corrected areas: 19705352

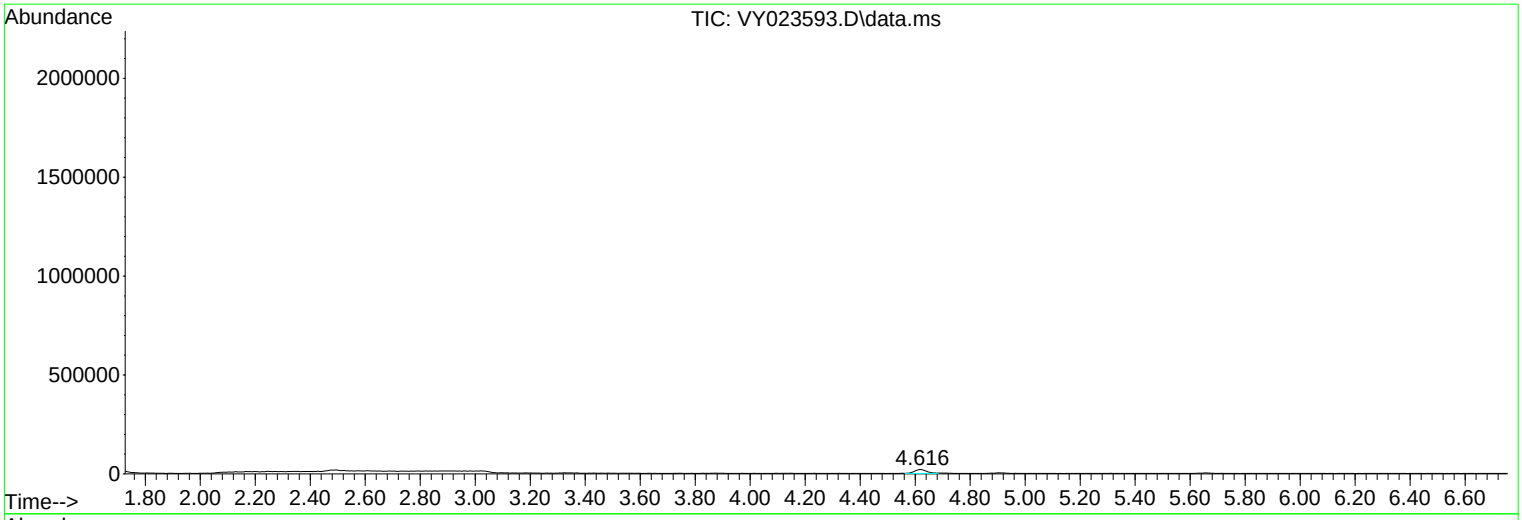
Sample Results: **VY023593.D**

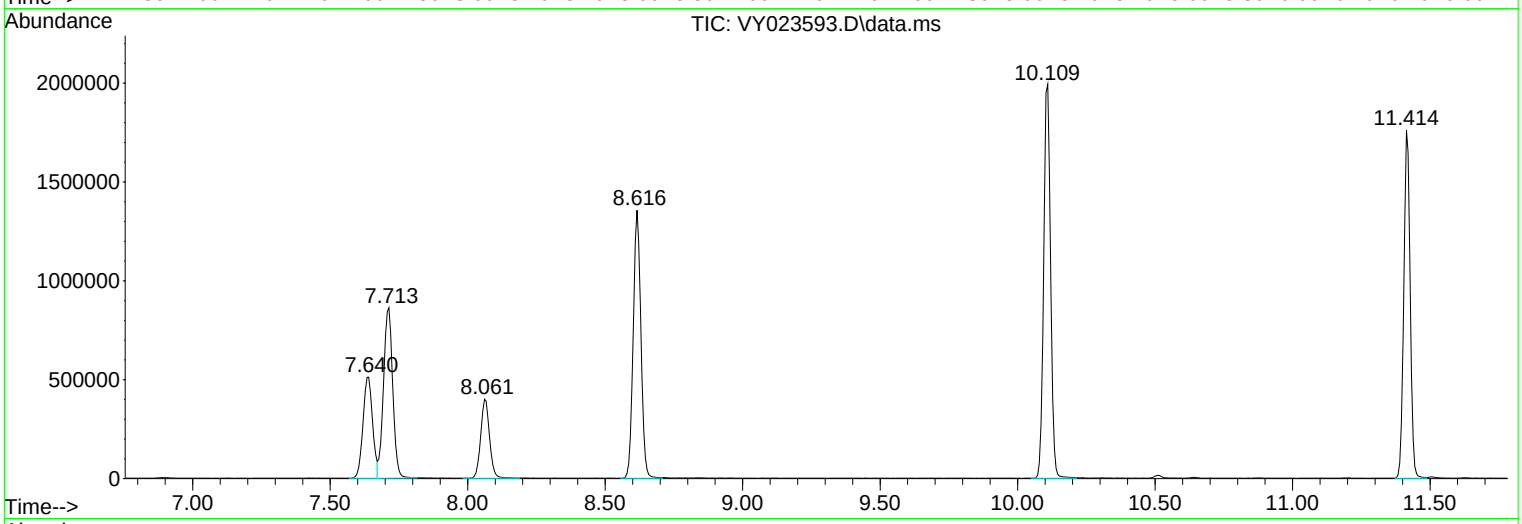
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023593.D
Acq On : 27 Oct 2025 12:54
Operator : SY/MD
Sample : Q3466-06
Misc : 4.55g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

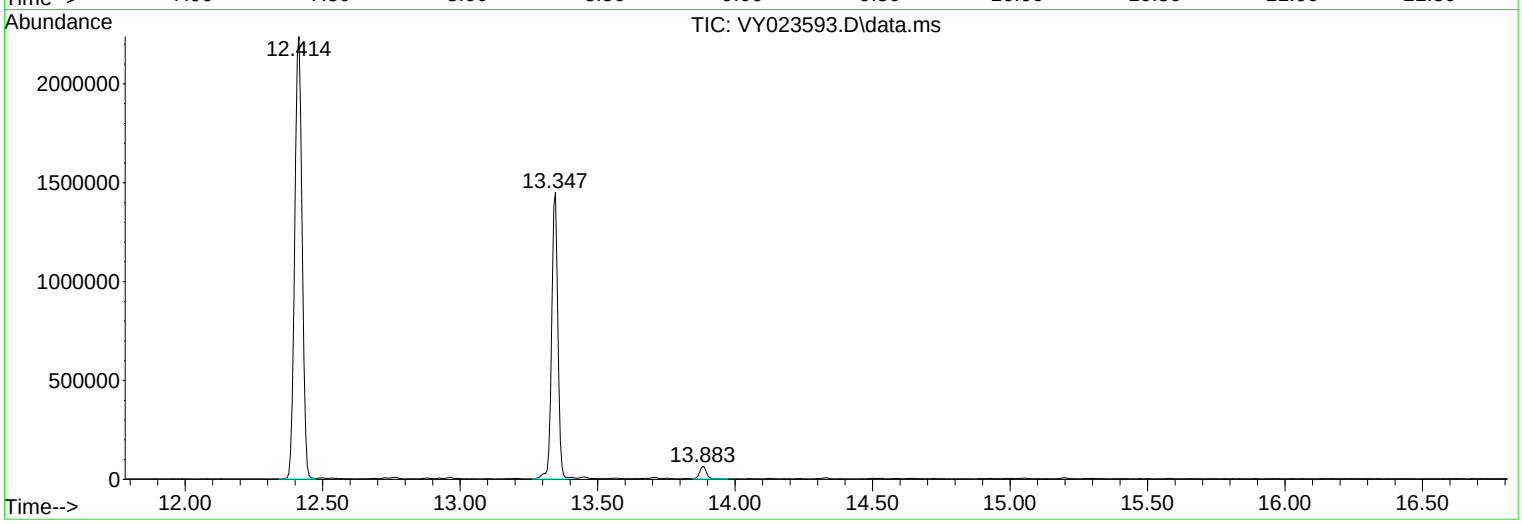
Instrument :
MSVOA_Y
ClientSampleId :
B7-1.5-2.0-20251023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VY023593.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023593.D
Acq On : 27 Oct 2025 12:54
Operator : SY/MD
Sample : Q3466-06
Misc : 4.55g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B7-1.5-2.0-20251023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023593.D
Acq On : 27 Oct 2025 12:54
Operator : SY/MD
Sample : Q3466-06
Misc : 4.55g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B7-1.5-2.0-20251023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023586.D
Acq On : 27 Oct 2025 09:47
Operator : SY/MD
Sample : VY1027SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1027SBL01

Quant Time: Oct 28 04:35:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	818713	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1317250	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1075350	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	410194	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	333438	48.704	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.400%		
35) Dibromofluoromethane	7.634	113	401609	49.619	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.240%		
50) Toluene-d8	10.109	98	1460587	48.456	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.920%		
62) 4-Bromofluorobenzene	12.408	95	395111	39.704	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	79.400%		

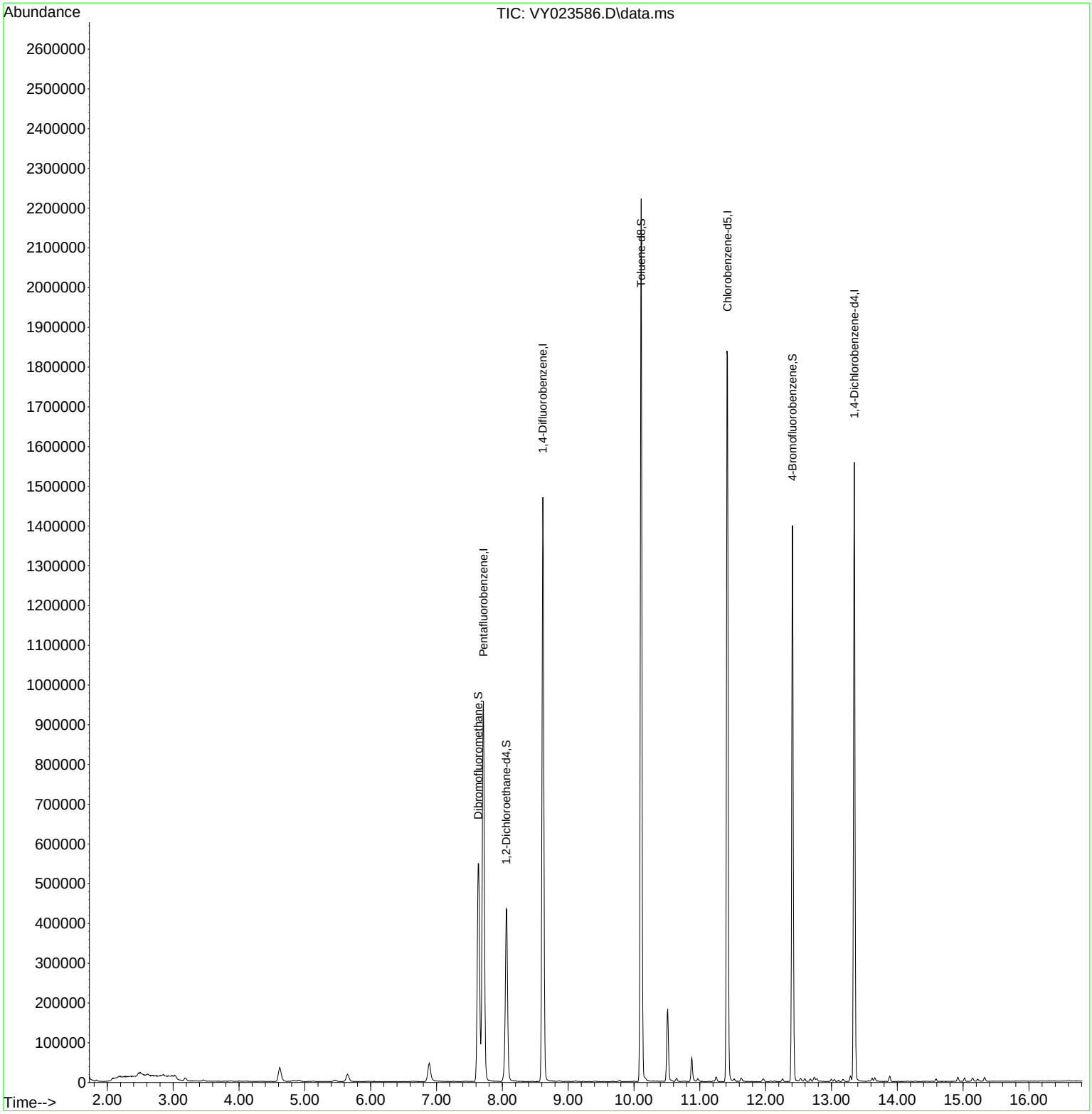
Target Compounds Qvalue

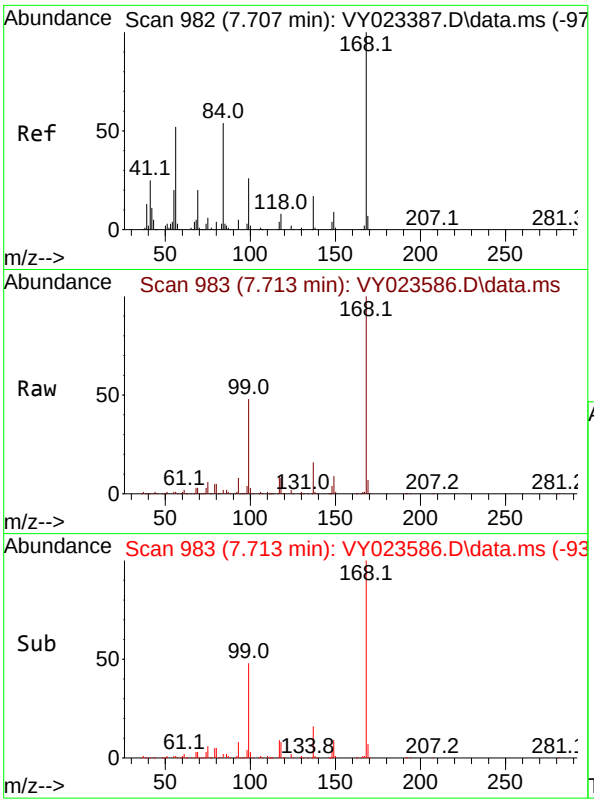
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023586.D
Acq On : 27 Oct 2025 09:47
Operator : SY/MD
Sample : VY1027SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1027SBL01

Quant Time: Oct 28 04:35:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration



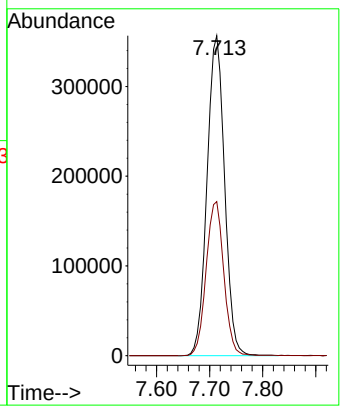


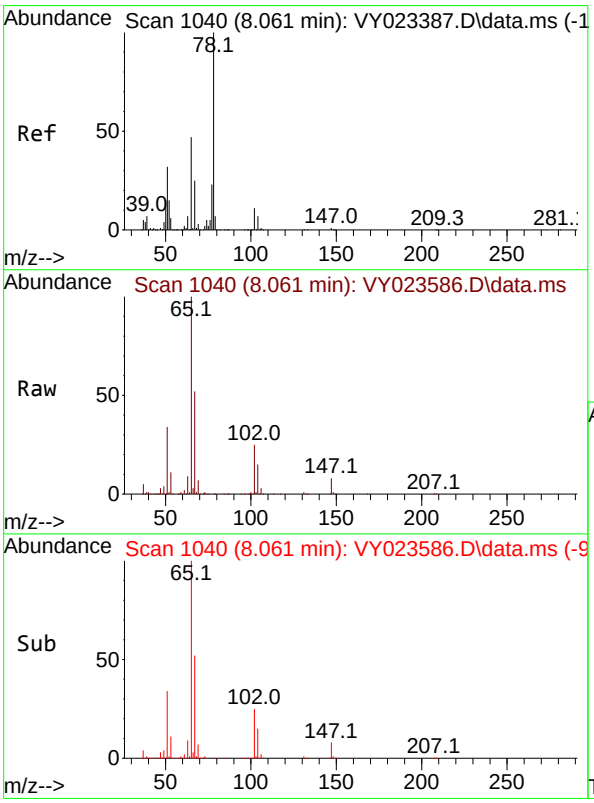
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023586.D
Acq: 27 Oct 2025 09:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1027SBL01

Tgt Ion:168 Resp: 818713

Ion	Ratio	Lower	Upper
168	100		
99	48.2	39.7	59.5

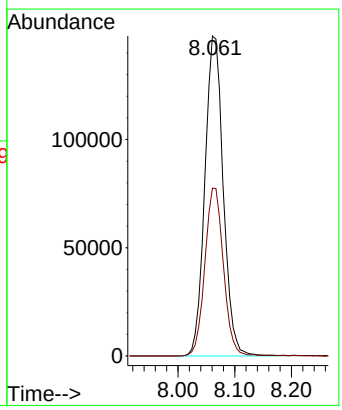


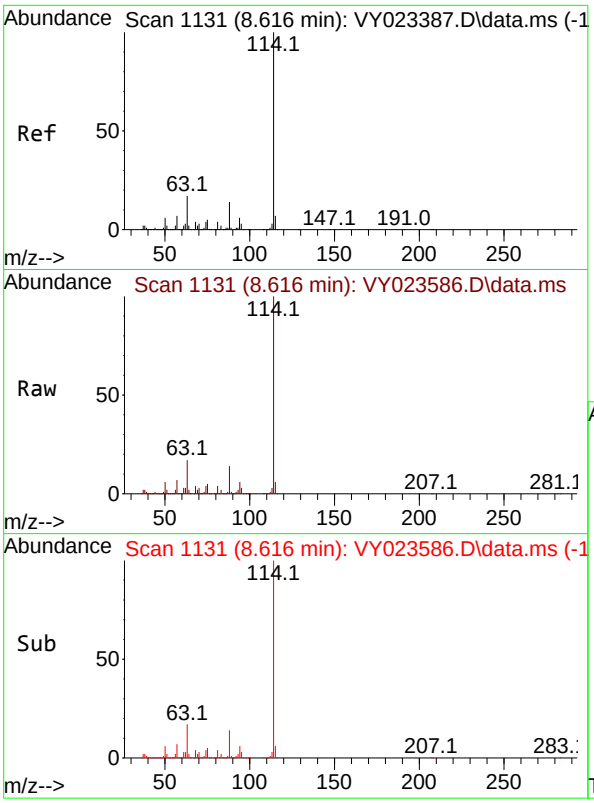


#33
1,2-Dichloroethane-d4
Concen: 48.704 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023586.D
Acq: 27 Oct 2025 09:47

Tgt Ion: 65 Resp: 333438

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	105.8



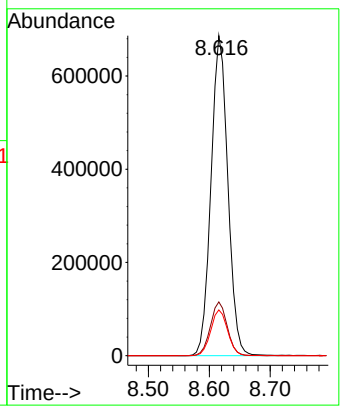


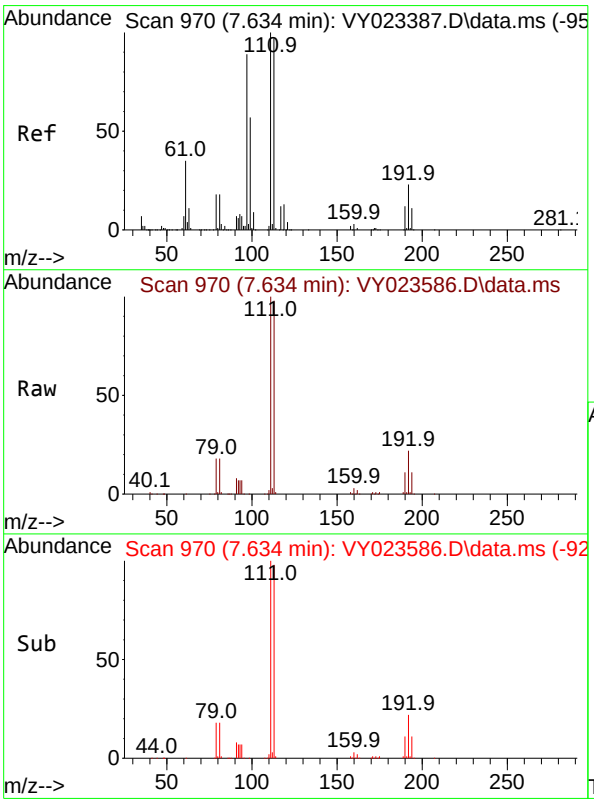
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023586.D
Acq: 27 Oct 2025 09:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1027SBL01

Tgt Ion:114 Resp: 1317250

Ion	Ratio	Lower	Upper
114	100		
63	16.8	0.0	34.2
88	14.3	0.0	28.4

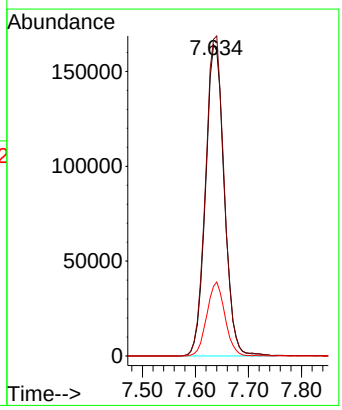


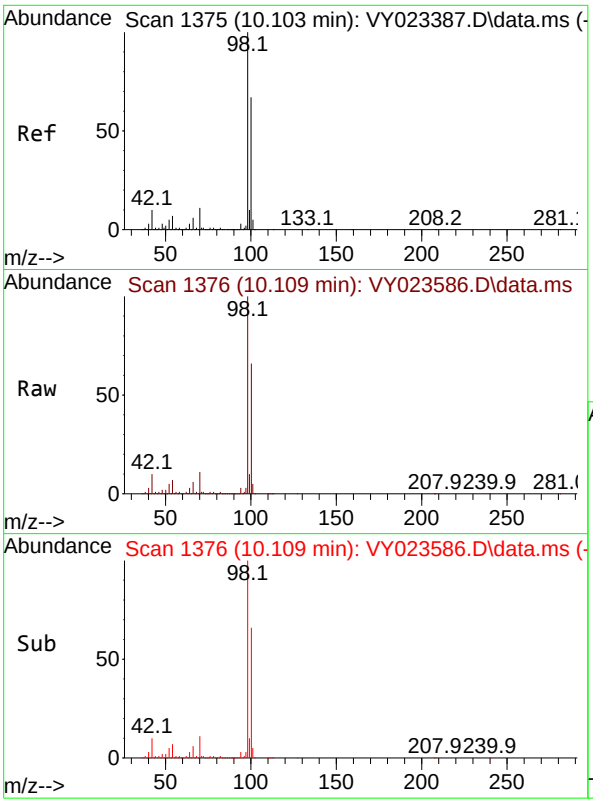


#35
Dibromofluoromethane
Concen: 49.619 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY023586.D
Acq: 27 Oct 2025 09:47

Tgt Ion:113 Resp: 401609

Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.8	122.6
192	23.1	18.0	27.0



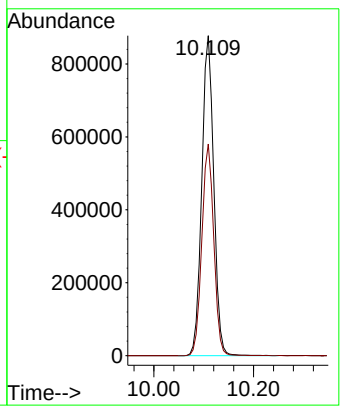


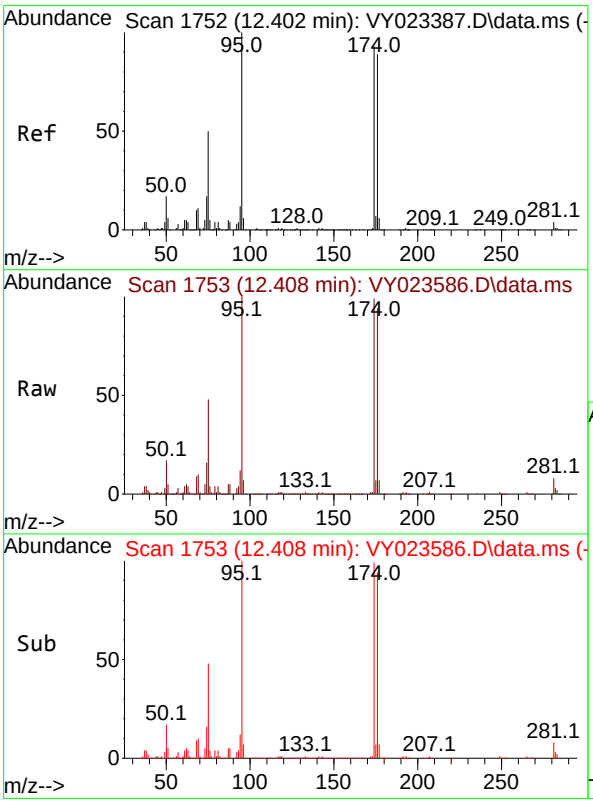
#50
Toluene-d8
Concen: 48.456 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023586.D
Acq: 27 Oct 2025 09:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1027SBL01

Tgt Ion: 98 Resp: 1460587

Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.0	79.4

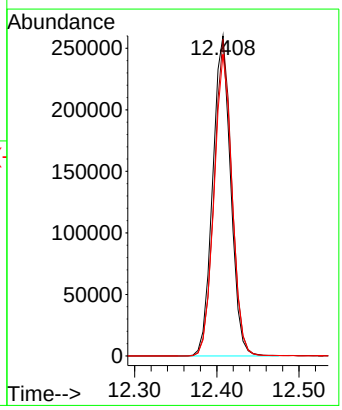


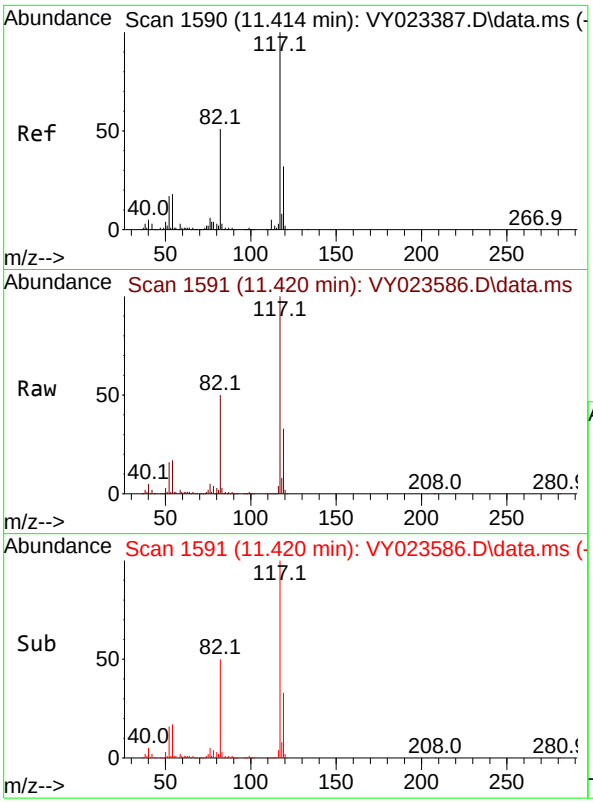


#62
4-Bromofluorobenzene
Concen: 39.704 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023586.D
Acq: 27 Oct 2025 09:47

Tgt Ion: 95 Resp: 395111

Ion	Ratio	Lower	Upper
95	100		
174	97.7	0.0	192.8
176	94.4	0.0	187.6



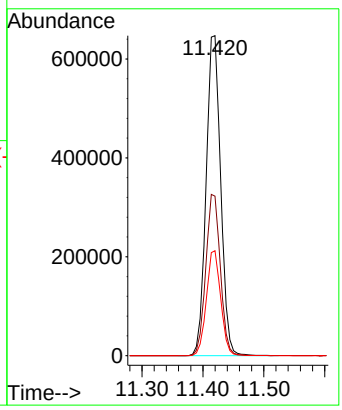


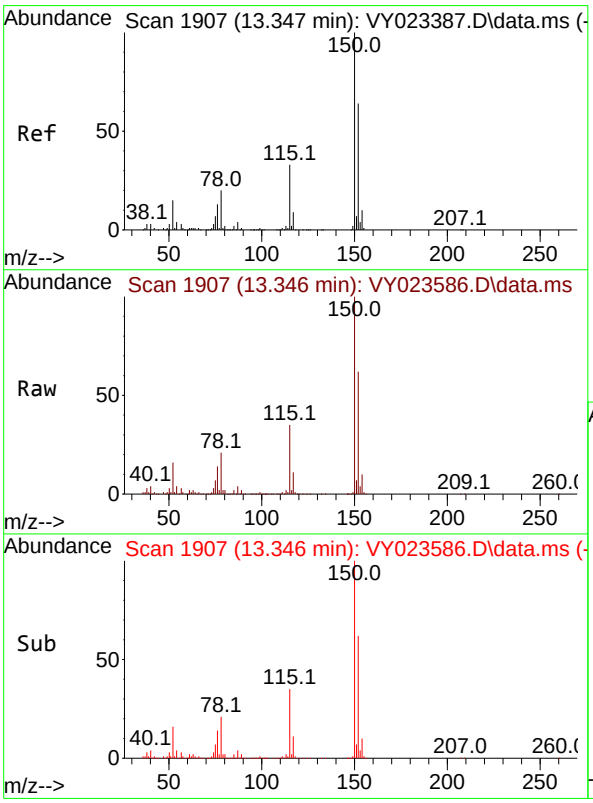
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023586.D
Acq: 27 Oct 2025 09:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1027SBL01

Tgt Ion:117 Resp: 1075350

Ion	Ratio	Lower	Upper
117	100		
82	49.9	41.0	61.4
119	32.8	25.6	38.4

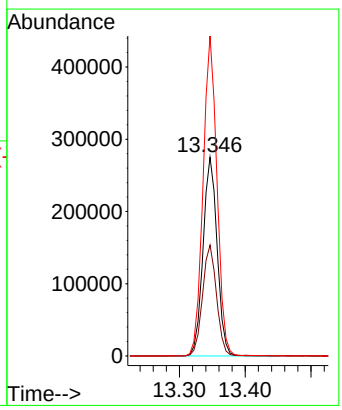




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023586.D
Acq: 27 Oct 2025 09:47

Tgt Ion:152 Resp: 410194

Ion	Ratio	Lower	Upper
152	100		
115	55.3	27.1	81.2
150	158.6	0.0	347.4



Sample Results: **VY023586.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023586.D
Acq On : 27 Oct 2025 09:47
Operator : SY/MD
Sample : VY1027SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1027SBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Title : SW846 8260

Signal : TIC: VY023586.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	% max.	% of total
1	4.616	463	475	489	rBV2	35421	114365	3.08%	0.585%
2	5.647	633	644	654	rBV2	18734	57451	1.55%	0.294%
3	6.890	835	848	861	rBV2	46803	149479	4.02%	0.764%
4	7.634	960	970	976	rBV	548545	1333691	35.87%	6.818%
5	7.713	976	983	996	rVB	955174	2214602	59.56%	11.322%
6	8.061	1028	1040	1060	rBV2	434088	1063419	28.60%	5.437%
7	8.616	1121	1131	1147	rBV	1470023	2831375	76.14%	14.475%
8	10.109	1367	1376	1384	rBV	2220869	3718460	100.00%	19.010%
9	10.512	1434	1442	1457	rVB	182009	344718	9.27%	1.762%
10	10.877	1496	1502	1512	rBV2	59628	105520	2.84%	0.539%
11	11.414	1582	1590	1603	rBV	1838487	3075354	82.71%	15.722%
12	12.408	1744	1753	1761	rBV2	1399307	2222007	59.76%	11.360%
13	13.346	1900	1907	1920	rVB	1555976	2329827	62.66%	11.911%

Sum of corrected areas: 19560268

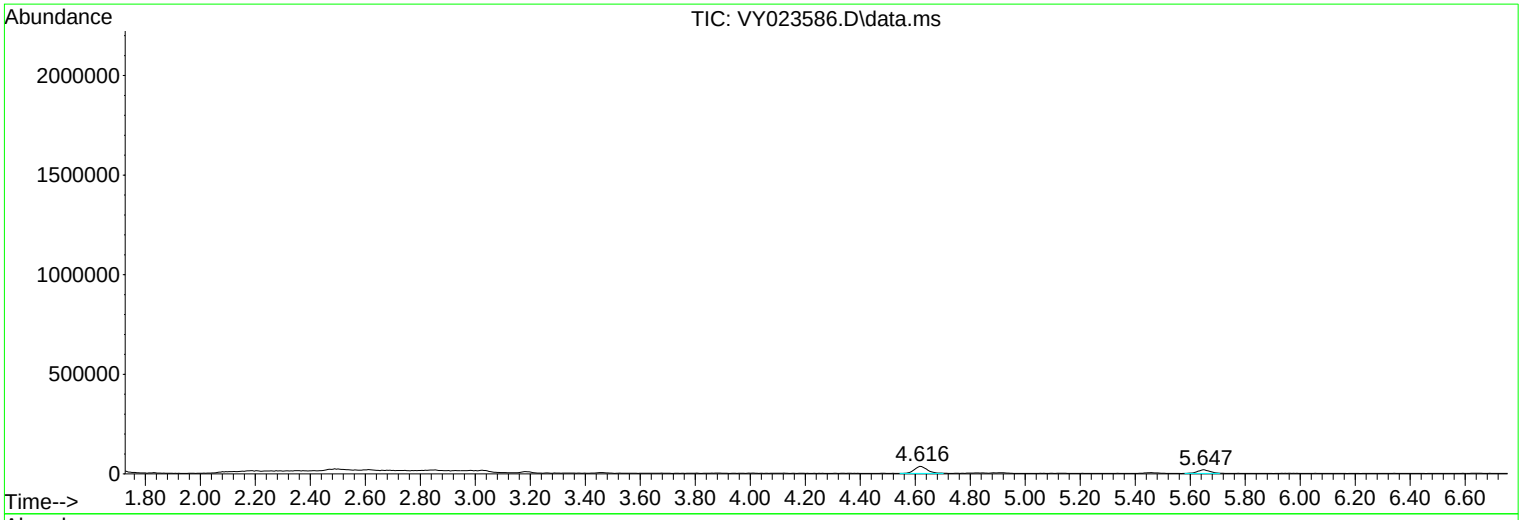
Sample Results: **VY023586.D**

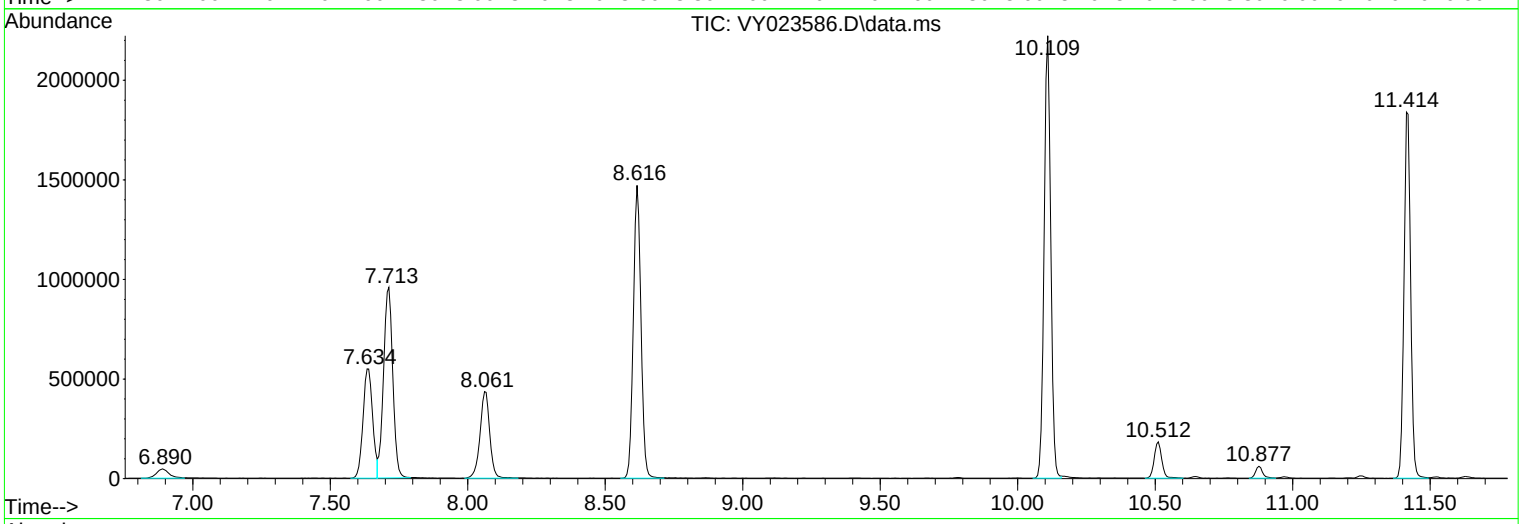
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023586.D
Acq On : 27 Oct 2025 09:47
Operator : SY/MD
Sample : VY1027SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

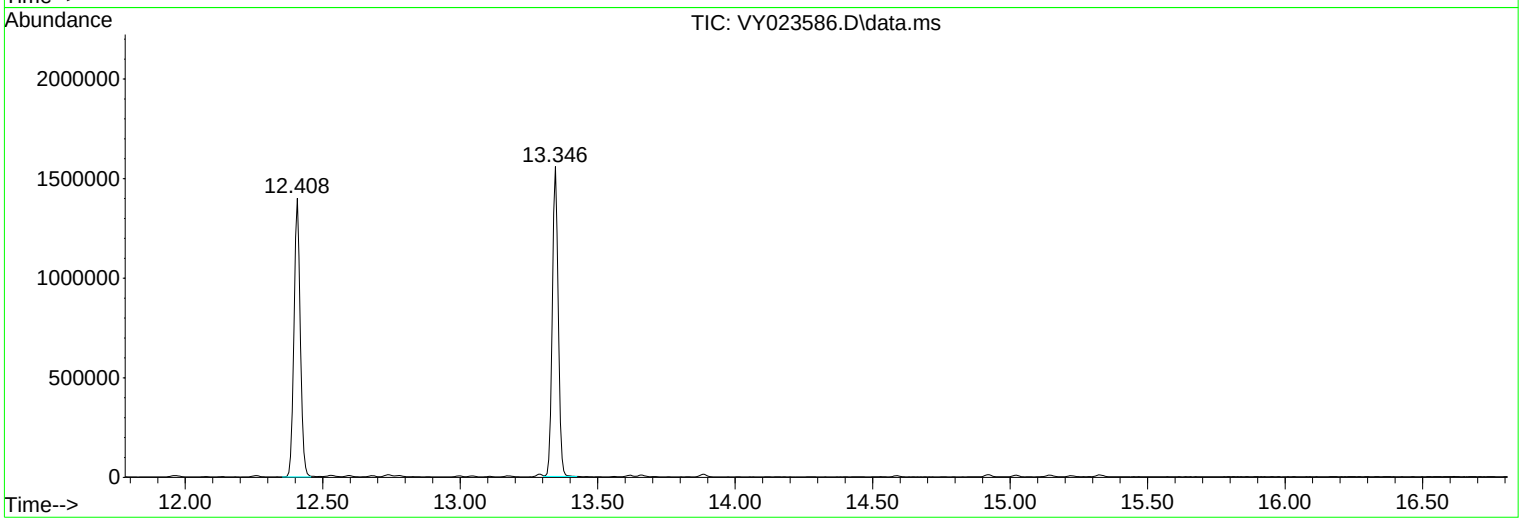
Instrument :
MSVOA_Y
ClientSampleId :
VY1027SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023586.D
Acq On : 27 Oct 2025 09:47
Operator : SY/MD
Sample : VY1027SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1027SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023586.D
Acq On : 27 Oct 2025 09:47
Operator : SY/MD
Sample : VY1027SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1027SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023587.D
Acq On : 27 Oct 2025 10:17
Operator : SY/MD
Sample : VY1027SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 28 04:36:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1027SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/28/2025
Supervised By :Mahesh Dadoda 10/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	499774	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	732575	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	644176	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	345467	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	195073	46.677	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 93.360%			
35) Dibromofluoromethane	7.634	113	227097	50.451	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.900%			
50) Toluene-d8	10.109	98	822762	49.081	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.160%			
62) 4-Bromofluorobenzene	12.408	95	271973	49.142	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.280%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	71824	19.966	ug/l	95
3) Chloromethane	2.074	50	90648	18.498	ug/l	99
4) Vinyl Chloride	2.208	62	122333	19.166	ug/l	99
5) Bromomethane	2.592	94	111461	20.809	ug/l	97
6) Chloroethane	2.732	64	87222	20.047	ug/l	100
7) Trichlorofluoromethane	3.056	101	182989	20.648	ug/l	95
8) Diethyl Ether	3.452	74	44668	19.288	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	98823	21.488	ug/l	98
10) Methyl Iodide	4.007	142	99971	19.527	ug/l	99
11) Tert butyl alcohol	4.854	59	25017	80.465	ug/l	97
12) 1,1-Dichloroethene	3.793	96	91057	20.425	ug/l	96
13) Acrolein	3.653	56	18444	41.983	ug/l	100
14) Allyl chloride	4.385	41	106830	19.663	ug/l	97
15) Acrylonitrile	5.055	53	85666	96.662	ug/l	99
16) Acetone	3.872	43	131477	132.147	ug/l	100
17) Carbon Disulfide	4.110	76	248009	19.437	ug/l	100
18) Methyl Acetate	4.391	43	40005	15.328	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	211366	19.727	ug/l	96
20) Methylene Chloride	4.616	84	105371	19.586	ug/l	99
21) trans-1,2-Dichloroethene	5.122	96	103122	21.010	ug/l	96
22) Diisopropyl ether	6.018	45	249840	20.789	ug/l	98
23) Vinyl Acetate	5.964	43	658856	101.283	ug/l	100
24) 1,1-Dichloroethane	5.921	63	167346	21.021	ug/l	98
25) 2-Butanone	6.896	43	133835	110.184	ug/l	93
26) 2,2-Dichloropropane	6.890	77	157622	21.578	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	122389	21.587	ug/l	97
28) Bromochloromethane	7.250	49	60920	20.499	ug/l	98
29) Tetrahydrofuran	7.262	42	62255	90.383	ug/l	99
30) Chloroform	7.421	83	190441	21.773	ug/l	98
31) Cyclohexane	7.701	56	138725	19.954	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	173001	21.765	ug/l	99
36) 1,1-Dichloropropene	7.835	75	126802	21.278	ug/l	99
37) Ethyl Acetate	6.988	43	45622	19.324	ug/l	98
38) Carbon Tetrachloride	7.823	117	156366	21.639	ug/l	100
39) Methylcyclohexane	9.109	83	159113	20.507	ug/l	98
40) Benzene	8.079	78	407526	21.594	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023587.D
Acq On : 27 Oct 2025 10:17
Operator : SY/MD
Sample : VY1027SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 28 04:36:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1027SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/28/2025
Supervised By :Mahesh Dadoda 10/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	23723	18.579	ug/l		93
42) 1,2-Dichloroethane	8.158	62	101743	20.904	ug/l		99
43) Isopropyl Acetate	8.195	43	87878	18.667	ug/l		98
44) Trichloroethene	8.865	130	120671	21.846	ug/l		98
45) 1,2-Dichloropropane	9.140	63	90039	21.600	ug/l		96
46) Dibromomethane	9.231	93	55698	21.131	ug/l		98
47) Bromodichloromethane	9.426	83	143142	21.562	ug/l		97
48) Methyl methacrylate	9.225	41	40623	18.368	ug/l		99
49) 1,4-Dioxane	9.231	88	11549	377.901	ug/l		99
51) 4-Methyl-2-Pentanone	9.999	43	232057	95.406	ug/l		99
52) Toluene	10.170	92	264958	21.623	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	118614	20.549	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	143035	20.995	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	74277	20.955	ug/l		97
56) Ethyl methacrylate	10.438	69	79786	19.514	ug/l		98
57) 1,3-Dichloropropane	10.719	76	118060	21.019	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	172090	93.954	ug/l		99
59) 2-Hexanone	10.761	43	188221	108.283	ug/l		99
60) Dibromochloromethane	10.914	129	103231	20.773	ug/l		98
61) 1,2-Dibromoethane	11.018	107	69606	20.591	ug/l		99
64) Tetrachloroethene	10.646	164	149629	22.496	ug/l		98
65) Chlorobenzene	11.444	112	300150	21.423	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.517	131	107648	21.561	ug/l		100
67) Ethyl Benzene	11.517	91	482176	21.261	ug/l		99
68) m/p-Xylenes	11.627	106	396042	43.538	ug/l		98
69) o-Xylene	11.956	106	182977	21.446	ug/l		99
70) Styrene	11.969	104	299250	21.328	ug/l		99
71) Bromoform	12.133	173	63230	20.417	ug/l	#	99
73) Isopropylbenzene	12.255	105	477591	20.978	ug/l		100
74) N-amyl acetate	12.072	43	73513	17.977	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	70375	18.899	ug/l		97
76) 1,2,3-Trichloropropane	12.554	75	55257m	18.129	ug/l		
77) Bromobenzene	12.529	156	124518	20.573	ug/l		100
78) n-propylbenzene	12.596	91	565369	21.460	ug/l		99
79) 2-Chlorotoluene	12.682	91	326754	21.179	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	399645	21.723	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	23427	18.848	ug/l		97
82) 4-Chlorotoluene	12.773	91	339541	21.370	ug/l		99
83) tert-Butylbenzene	12.999	119	363021	21.371	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	397243	21.636	ug/l		99
85) sec-Butylbenzene	13.176	105	529053	21.712	ug/l		100
86) p-Isopropyltoluene	13.291	119	450136	21.697	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	250810	21.280	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	243581	20.925	ug/l		98
89) n-Butylbenzene	13.615	91	380196	21.032	ug/l		99
90) Hexachloroethane	13.877	117	94960	21.281	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	218613	21.156	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11178	18.295	ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	127872	19.850	ug/l		100
94) Hexachlorobutadiene	15.023	225	84513	21.046	ug/l		97
95) Naphthalene	15.145	128	177886	17.341	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	107539	19.273	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023587.D
Acq On : 27 Oct 2025 10:17
Operator : SY/MD
Sample : VY1027SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 28 04:36:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1027SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/28/2025
Supervised By :Mahesh Dadoda 10/28/2025

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

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

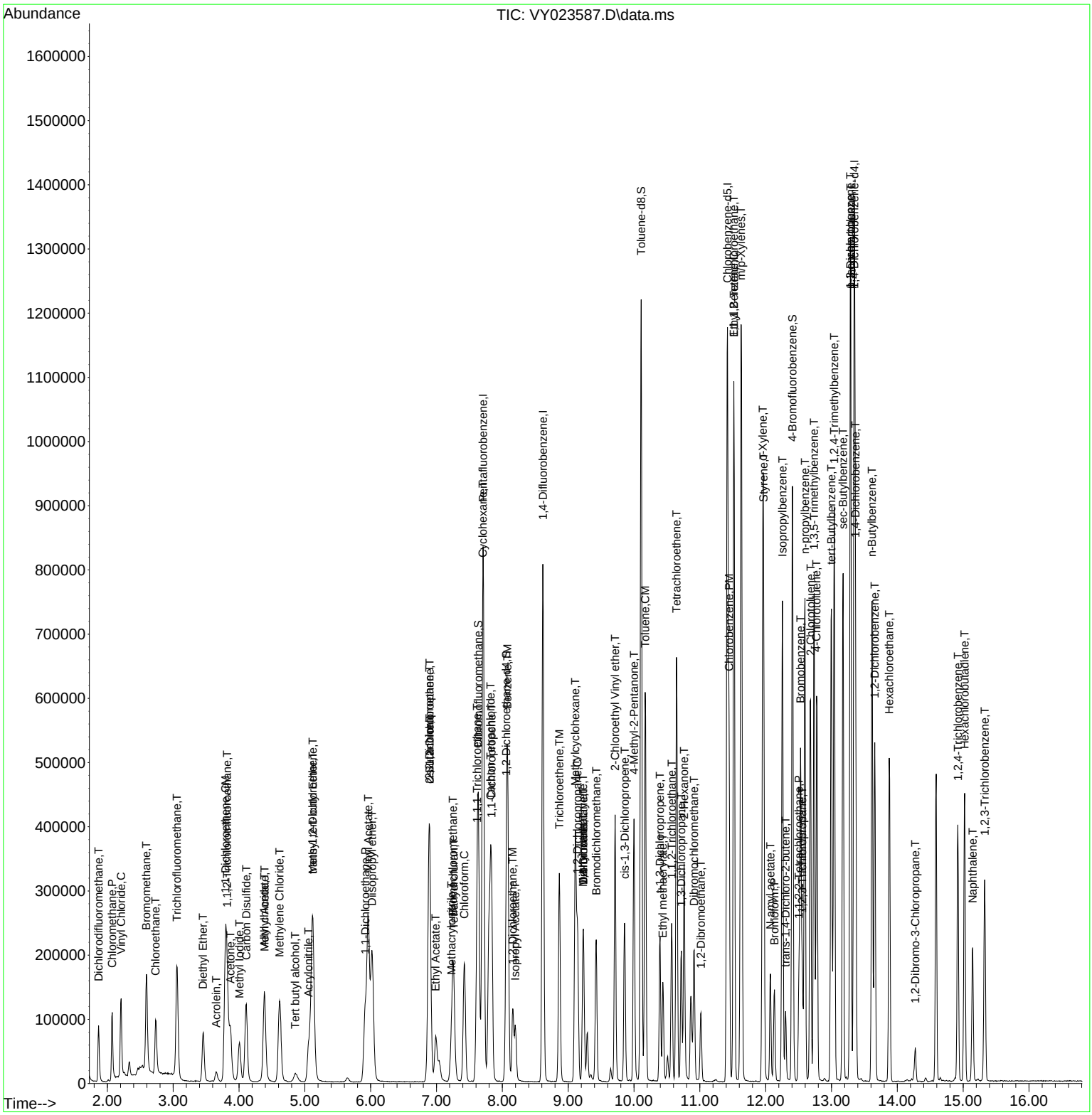
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023587.D
Acq On : 27 Oct 2025 10:17
Operator : SY/MD
Sample : VY1027SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 28 04:36:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1027SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/28/2025
Supervised By :Mahesh Dadoda 10/28/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023588.D
Acq On : 27 Oct 2025 10:39
Operator : SY/MD
Sample : VY1027SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 28 04:37:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1027SBSD01

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/28/2025
Supervised By :Mahesh Dadoda 10/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	484571	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	706753	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	619972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	325402	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	193100	47.655	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 95.300%			
35) Dibromofluoromethane	7.634	113	220579	50.793	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.580%			
50) Toluene-d8	10.109	98	819582	50.678	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.360%			
62) 4-Bromofluorobenzene	12.402	95	266662	49.943	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.880%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	73923	21.194	ug/l	98
3) Chloromethane	2.074	50	94310	19.849	ug/l	98
4) Vinyl Chloride	2.208	62	126987	20.519	ug/l	98
5) Bromomethane	2.592	94	112407	21.644	ug/l	96
6) Chloroethane	2.733	64	90066	21.350	ug/l	99
7) Trichlorofluoromethane	3.056	101	183391	21.342	ug/l	98
8) Diethyl Ether	3.458	74	46778	20.833	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	99618	22.341	ug/l	100
10) Methyl Iodide	4.007	142	106832	21.521	ug/l	99
11) Tert butyl alcohol	4.860	59	29585	98.142	ug/l #	91
12) 1,1-Dichloroethene	3.793	96	91956	21.274	ug/l	95
13) Acrolein	3.653	56	19614	46.047	ug/l	100
14) Allyl chloride	4.385	41	110880	21.048	ug/l	98
15) Acrylonitrile	5.061	53	87514	101.845	ug/l	100
16) Acetone	3.866	43	130974	135.771	ug/l	100
17) Carbon Disulfide	4.110	76	251206	20.305	ug/l	99
18) Methyl Acetate	4.385	43	48856	19.307	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	215745	20.767	ug/l	99
20) Methylene Chloride	4.622	84	109898	21.068	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	103236	21.693	ug/l	96
22) Diisopropyl ether	6.025	45	255265	21.907	ug/l	97
23) Vinyl Acetate	5.964	43	652418	103.440	ug/l	100
24) 1,1-Dichloroethane	5.915	63	170247	22.057	ug/l	97
25) 2-Butanone	6.896	43	139522	118.469	ug/l	97
26) 2,2-Dichloropropane	6.884	77	158961	22.444	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	123697	22.502	ug/l	96
28) Bromochloromethane	7.244	49	61569	21.367	ug/l	99
29) Tetrahydrofuran	7.268	42	64637	96.785	ug/l	100
30) Chloroform	7.421	83	193159	22.777	ug/l	98
31) Cyclohexane	7.701	56	137180	20.351	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	171904	22.306	ug/l	99
36) 1,1-Dichloropropene	7.835	75	127622	22.198	ug/l	99
37) Ethyl Acetate	6.988	43	48817	21.433	ug/l	97
38) Carbon Tetrachloride	7.817	117	156052	22.385	ug/l	99
39) Methylcyclohexane	9.109	83	158531	21.178	ug/l	98
40) Benzene	8.079	78	413668	22.720	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023588.D
Acq On : 27 Oct 2025 10:39
Operator : SY/MD
Sample : VY1027SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 28 04:37:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1027SBSD01

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/28/2025
Supervised By :Mahesh Dadoda 10/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	24141	19.597	ug/l #	71
42) 1,2-Dichloroethane	8.158	62	102374	21.802	ug/l	100
43) Isopropyl Acetate	8.195	43	89935	19.802	ug/l	98
44) Trichloroethene	8.866	130	118439	22.225	ug/l	98
45) 1,2-Dichloropropane	9.140	63	90936	22.612	ug/l	99
46) Dibromomethane	9.231	93	55078	21.659	ug/l	98
47) Bromodichloromethane	9.426	83	143726	22.441	ug/l	99
48) Methyl methacrylate	9.219	41	42714	20.019	ug/l	98
49) 1,4-Dioxane	9.231	88	11995	406.835	ug/l	96
51) 4-Methyl-2-Pentanone	10.000	43	241896	103.085	ug/l	98
52) Toluene	10.170	92	269255	22.776	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	118047	21.198	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	145757	22.177	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	77711	22.725	ug/l	97
56) Ethyl methacrylate	10.438	69	78113	19.803	ug/l	99
57) 1,3-Dichloropropane	10.719	76	120242	22.190	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	166565	94.260	ug/l	99
59) 2-Hexanone	10.762	43	189661	113.098	ug/l	99
60) Dibromochloromethane	10.914	129	105104	21.922	ug/l	98
61) 1,2-Dibromoethane	11.018	107	70658	21.666	ug/l	100
64) Tetrachloroethene	10.646	164	147698	23.073	ug/l	98
65) Chlorobenzene	11.444	112	304353	22.571	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	109178	22.721	ug/l	98
67) Ethyl Benzene	11.518	91	484581	22.201	ug/l	100
68) m/p-Xylenes	11.627	106	390520	44.607	ug/l	98
69) o-Xylene	11.956	106	179997	21.920	ug/l	99
70) Styrene	11.969	104	301330	22.315	ug/l	100
71) Bromoform	12.133	173	64644	21.688	ug/l	99
73) Isopropylbenzene	12.255	105	475826	22.189	ug/l	100
74) N-amyl acetate	12.072	43	74645	19.380	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	73229	20.879	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	54116m	18.850	ug/l	
77) Bromobenzene	12.530	156	123258	21.620	ug/l	100
78) n-propylbenzene	12.597	91	558261	22.496	ug/l	100
79) 2-Chlorotoluene	12.676	91	322587	22.199	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	388839	22.439	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	22707	19.395	ug/l	97
82) 4-Chlorotoluene	12.773	91	332694	22.230	ug/l	99
83) tert-Butylbenzene	12.999	119	356347	22.272	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	391778	22.654	ug/l	99
85) sec-Butylbenzene	13.176	105	519994	22.656	ug/l	100
86) p-Isopropyltoluene	13.292	119	435093	22.265	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	243437	21.928	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	240439	21.929	ug/l	98
89) n-Butylbenzene	13.615	91	373775	21.952	ug/l	99
90) Hexachloroethane	13.877	117	91694	21.816	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	213663	21.952	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11437	19.873	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	123920	20.422	ug/l	99
94) Hexachlorobutadiene	15.023	225	83375	22.043	ug/l	99
95) Naphthalene	15.145	128	178910	18.516	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	106184	20.203	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023588.D
Acq On : 27 Oct 2025 10:39
Operator : SY/MD
Sample : VY1027SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 28 04:37:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1027SBSD01

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/28/2025
Supervised By :Mahesh Dadoda 10/28/2025

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

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

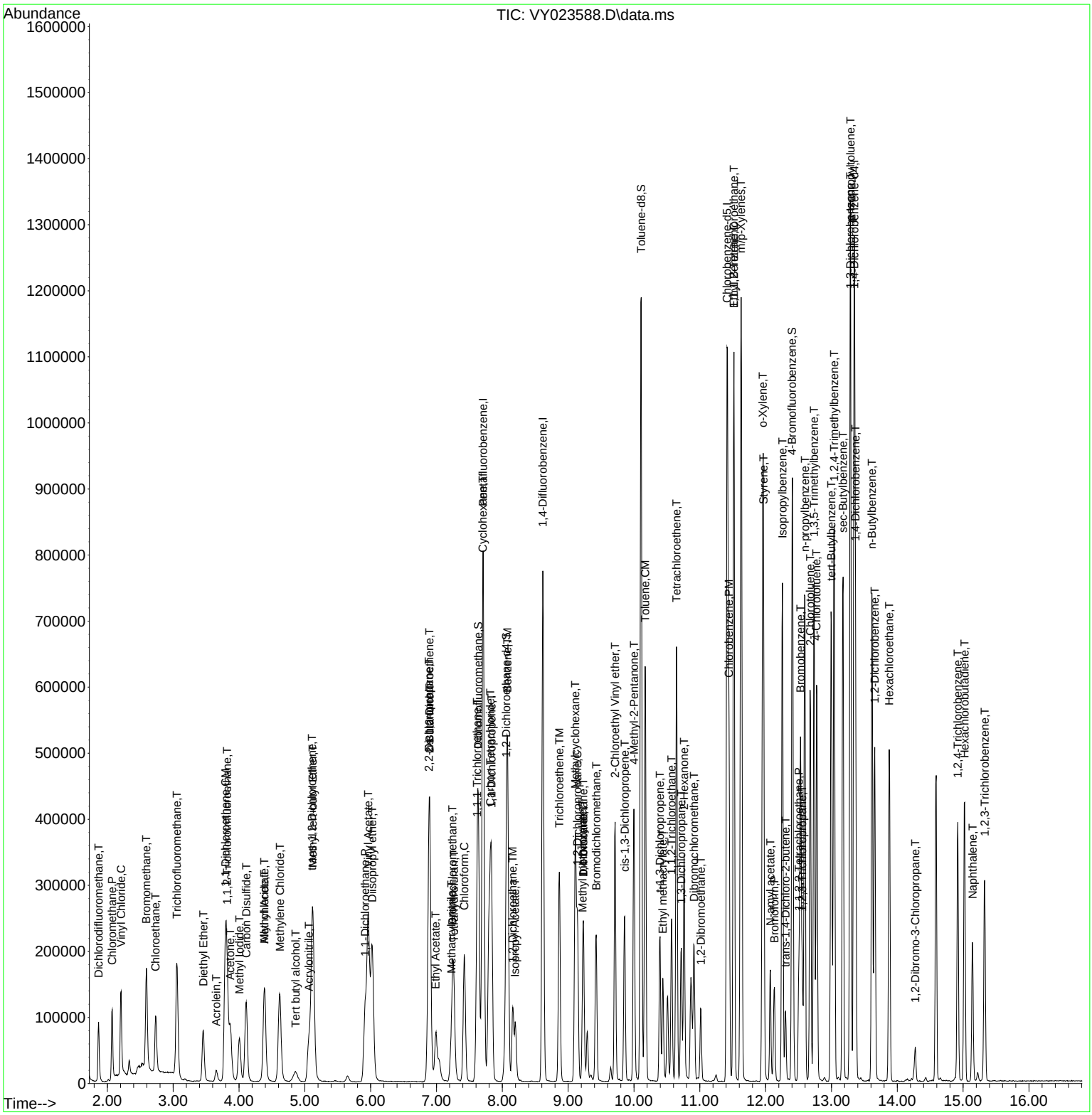
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023588.D
Acq On : 27 Oct 2025 10:39
Operator : SY/MD
Sample : VY1027SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 28 04:37:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1027SBSD01

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/28/2025
Supervised By :Mahesh Dadoda 10/28/2025



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

Manual Integration Report

Sequence:	VY100725	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY023384.D	1,2,3-Trichloropropane	sam	10/10/2025 2:59:48 AM	MMdadoda	10/10/2025 4:37:28 AM	Peak Integrated by Software
VSTDICC005	VY023384.D	2-Chloroethyl Vinyl ether	sam	10/10/2025 2:59:48 AM	MMdadoda	10/10/2025 4:37:28 AM	Peak Integrated by Software
VSTDICC005	VY023384.D	Methacrylonitrile	sam	10/10/2025 2:59:48 AM	MMdadoda	10/10/2025 4:37:28 AM	Peak Integrated by Software
VSTDICC010	VY023385.D	1,2,3-Trichloropropane	sam	10/10/2025 2:59:52 AM	MMdadoda	10/10/2025 4:37:33 AM	Peak Integrated by Software
VSTDICC010	VY023385.D	2-Chloroethyl Vinyl ether	sam	10/10/2025 2:59:52 AM	MMdadoda	10/10/2025 4:37:33 AM	Peak Integrated by Software
VSTDICC020	VY023386.D	1,2,3-Trichloropropane	sam	10/10/2025 2:59:56 AM	MMdadoda	10/10/2025 4:37:37 AM	Peak Integrated by Software
VSTDICC020	VY023386.D	2-Chloroethyl Vinyl ether	sam	10/10/2025 2:59:56 AM	MMdadoda	10/10/2025 4:37:37 AM	Peak Integrated by Software
VSTDICC020	VY023386.D	Methacrylonitrile	sam	10/10/2025 2:59:56 AM	MMdadoda	10/10/2025 4:37:37 AM	Peak Integrated by Software
VSTDICCC050	VY023387.D	1,2,3-Trichloropropane	sam	10/10/2025 3:00:01 AM	MMdadoda	10/10/2025 4:37:41 AM	Peak Integrated by Software
VSTDICC100	VY023388.D	1,2,3-Trichloropropane	sam	10/10/2025 3:00:05 AM	MMdadoda	10/10/2025 4:37:46 AM	Peak Integrated by Software
VSTDICC150	VY023389.D	1,2,3-Trichloropropane	sam	10/10/2025 3:00:09 AM	MMdadoda	10/10/2025 4:37:51 AM	Peak Integrated by Software
VSTDICV050	VY023391.D	1,2,3-Trichloropropane	sam	10/10/2025 3:00:14 AM	MMdadoda	10/10/2025 4:37:55 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VY100725	Instrument	MSVOA_y

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

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

Manual Integration Report

Sequence:	VY102725	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY023585.D	1,2,3-Trichloropropane	Amit	10/28/2025 10:00:32 AM	MMDadoda	10/28/2025 1:16:14 PM	Peak Integrated by Software
VY1027SBS01	VY023587.D	1,2,3-Trichloropropane	Amit	10/28/2025 10:00:39 AM	MMDadoda	10/28/2025 1:16:23 PM	Peak Integrated by Software
VY1027SBSD01	VY023588.D	1,2,3-Trichloropropane	Amit	10/28/2025 10:00:45 AM	MMDadoda	10/28/2025 1:16:26 PM	Peak Integrated by Software
VSTDCCC050	VY023596.D	1,2,3-Trichloropropane	Amit	10/28/2025 10:00:50 AM	MMDadoda	10/28/2025 1:16:19 PM	Peak Integrated by Software

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY100725

Review By	Semsettin Yesilyurt	Review On	10/10/2025 3:00:22 AM				
Supervise By	Mahesh Dadoda	Supervise On	10/10/2025 4:38:02 AM				
SubDirectory	VY100725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y100725s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP135766
Initial Calibration Stds	VP135767,VP135768,VP135769,VP135770,VP135771,VP135772
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP135773
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY023383.D	07 Oct 2025 08:43	SY/MD	Ok
2	VSTDICC005	VY023384.D	07 Oct 2025 09:17	SY/MD	Ok,M
3	VSTDICC010	VY023385.D	07 Oct 2025 10:02	SY/MD	Ok,M
4	VSTDICC020	VY023386.D	07 Oct 2025 11:24	SY/MD	Ok,M
5	VSTDICCC050	VY023387.D	07 Oct 2025 11:47	SY/MD	Ok,M
6	VSTDICC100	VY023388.D	07 Oct 2025 12:09	SY/MD	Ok,M
7	VSTDICC150	VY023389.D	07 Oct 2025 12:32	SY/MD	Ok,M
8	VIBLK	VY023390.D	07 Oct 2025 13:02	SY/MD	Ok
9	VSTDICV050	VY023391.D	07 Oct 2025 14:12	SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY102725

Review By	Amit Patel	Review On	10/28/2025 10:01:28 AM				
Supervise By	Mahesh Dadoda	Supervise On	10/28/2025 1:16:38 PM				
SubDirectory	VY102725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y100725s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP135943
Initial Calibration Stds	
CCC	VP135944,VP135945
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY023584.D	27 Oct 2025 08:37	SY/MD	Ok
2	VSTDCCC050	VY023585.D	27 Oct 2025 09:12	SY/MD	Ok,M
3	VY1027SBL01	VY023586.D	27 Oct 2025 09:47	SY/MD	Ok
4	VY1027SBS01	VY023587.D	27 Oct 2025 10:17	SY/MD	Ok,M
5	VY1027SBSD01	VY023588.D	27 Oct 2025 10:39	SY/MD	Ok,M
6	Q3457-01	VY023589.D	27 Oct 2025 11:20	SY/MD	Ok
7	Q3465-01	VY023590.D	27 Oct 2025 11:43	SY/MD	Ok
8	Q3466-01	VY023591.D	27 Oct 2025 12:07	SY/MD	Ok
9	Q3466-04	VY023592.D	27 Oct 2025 12:30	SY/MD	Ok
10	Q3466-06	VY023593.D	27 Oct 2025 12:54	SY/MD	Ok
11	Q3469-03	VY023594.D	27 Oct 2025 13:17	SY/MD	Ok
12	VIBLK	VY023595.D	27 Oct 2025 15:24	SY/MD	Ok
13	VSTDCCC050	VY023596.D	27 Oct 2025 15:47	SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY100725

Review By	Semsettin Yesilyurt	Review On	10/10/2025 3:00:22 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/10/2025 4:38:02 AM		
SubDirectory	VY100725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y100725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP135766
Initial Calibration Stds	VP135767,VP135768,VP135769,VP135770,VP135771,VP135772
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP135773
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY023383.D	07 Oct 2025 08:43		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY023384.D	07 Oct 2025 09:17		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY023385.D	07 Oct 2025 10:02		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY023386.D	07 Oct 2025 11:24		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY023387.D	07 Oct 2025 11:47		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY023388.D	07 Oct 2025 12:09		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY023389.D	07 Oct 2025 12:32		SY/MD	Ok,M
8	VIBLK	VIBLK	VY023390.D	07 Oct 2025 13:02		SY/MD	Ok
9	VSTDICV050	ICVVY100725	VY023391.D	07 Oct 2025 14:12		SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY102725

Review By	Amit Patel	Review On	10/28/2025 10:01:28 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/28/2025 1:16:38 PM		
SubDirectory	VY102725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y100725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP135943
Initial Calibration Stds	
CCC	VP135944,VP135945
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY023584.D	27 Oct 2025 08:37		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY023585.D	27 Oct 2025 09:12		SY/MD	Ok,M
3	VY1027SBL01	VY1027SBL01	VY023586.D	27 Oct 2025 09:47		SY/MD	Ok
4	VY1027SBS01	VY1027SBS01	VY023587.D	27 Oct 2025 10:17		SY/MD	Ok,M
5	VY1027SBSD01	VY1027SBSD01	VY023588.D	27 Oct 2025 10:39		SY/MD	Ok,M
6	Q3457-01	TR-05-102425	VY023589.D	27 Oct 2025 11:20	vial-A	SY/MD	Ok
7	Q3465-01	SU-03-10242025	VY023590.D	27 Oct 2025 11:43	vial-A	SY/MD	Ok
8	Q3466-01	B8-0.5-1.0-20251023	VY023591.D	27 Oct 2025 12:07	vial-A	SY/MD	Ok
9	Q3466-04	B9-0.5-1.0-20251023	VY023592.D	27 Oct 2025 12:30	vial-A	SY/MD	Ok
10	Q3466-06	B7-1.5-2.0-20251023	VY023593.D	27 Oct 2025 12:54	vial-A	SY/MD	Ok
11	Q3469-03	TP-13-VOC	VY023594.D	27 Oct 2025 13:17	vial-A	SY/MD	Ok
12	VIBLK	VIBLK	VY023595.D	27 Oct 2025 15:24		SY/MD	Ok
13	VSTDCCC050	VSTDCCC050EC	VY023596.D	27 Oct 2025 15:47		SY/MD	Ok,M

M : Manual Integration

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

LAB CHRONICLE

OrderID:	Q3466	**OrderDate:**	10/24/2025 3:18:10 PM
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
Q3466-01	**B8-0.5-1.0-20251023**	**SOIL**			**10/23/25**			**10/24/25**
			VOC-TCLVOA-10	8260D			10/27/25	
Q3466-04	**B9-0.5-1.0-20251023**	**SOIL**			**10/23/25**			**10/24/25**
			VOC-TCLVOA-10	8260D			10/27/25	
Q3466-06	**B7-1.5-2.0-20251023**	**SOIL**			**10/23/25**			**10/24/25**
			VOC-TCLVOA-10	8260D			10/27/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q3466

Client: HDR, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**B8-0.0-1.0-20251023**								
Q3466-02	B8-0.0-1.0-20251023	SOIL	Phenanthrene		170.000	J	24.5	200	ug/Kg
Q3466-02	B8-0.0-1.0-20251023	SOIL	Fluoranthene		250.000		35.1	200	ug/Kg
Q3466-02	B8-0.0-1.0-20251023	SOIL	Pyrene		180.000	J	42.1	200	ug/Kg
Q3466-02	B8-0.0-1.0-20251023	SOIL	Benzo(a)anthracene		130.000	J	26.9	200	ug/Kg
Q3466-02	B8-0.0-1.0-20251023	SOIL	Chrysene		130.000	J	23.3	200	ug/Kg
Q3466-02	B8-0.0-1.0-20251023	SOIL	Bis(2-ethylhexyl)phthalate		220.000		69.3	200	ug/Kg
Q3466-02	B8-0.0-1.0-20251023	SOIL	Benzo(b)fluoranthene		180.000	J	22.2	200	ug/Kg
Q3466-02	B8-0.0-1.0-20251023	SOIL	Benzo(a)pyrene		120.000	J	34.5	200	ug/Kg
			Total Svoc :		**1,380.00**				
Q3466-02	B8-0.0-1.0-20251023	SOIL	Benzophenone	*	240.000	J	0	0	ug/Kg
Q3466-02	B8-0.0-1.0-20251023	SOIL	n-Hexadecanoic acid	*	180.000	J	0	0	ug/Kg
			Total Tics :		**420.00**				
			Total Concentration:		**1,800.00**				
Client ID :	**B9-0.0-1.0-20251023**								
Q3466-05	B9-0.0-1.0-20251023	SOIL	Phenanthrene		470.000		25.1	200	ug/Kg
Q3466-05	B9-0.0-1.0-20251023	SOIL	Anthracene		80.700	J	40	200	ug/Kg
Q3466-05	B9-0.0-1.0-20251023	SOIL	Fluoranthene		690.000		36	200	ug/Kg
Q3466-05	B9-0.0-1.0-20251023	SOIL	Pyrene		490.000		43.2	200	ug/Kg
Q3466-05	B9-0.0-1.0-20251023	SOIL	Butylbenzylphthalate		150.000	J	85.8	200	ug/Kg
Q3466-05	B9-0.0-1.0-20251023	SOIL	Benzo(a)anthracene		290.000		27.6	200	ug/Kg
Q3466-05	B9-0.0-1.0-20251023	SOIL	Chrysene		330.000		23.9	200	ug/Kg
Q3466-05	B9-0.0-1.0-20251023	SOIL	Bis(2-ethylhexyl)phthalate		680.000		71.1	200	ug/Kg
Q3466-05	B9-0.0-1.0-20251023	SOIL	Benzo(b)fluoranthene		390.000		22.8	200	ug/Kg
Q3466-05	B9-0.0-1.0-20251023	SOIL	Benzo(k)fluoranthene		160.000	J	26.9	200	ug/Kg
Q3466-05	B9-0.0-1.0-20251023	SOIL	Benzo(a)pyrene		280.000		35.4	200	ug/Kg
Q3466-05	B9-0.0-1.0-20251023	SOIL	Indeno(1,2,3-cd)pyrene		160.000	J	35	200	ug/Kg
Q3466-05	B9-0.0-1.0-20251023	SOIL	Benzo(g,h,i)perylene		210.000		30.9	200	ug/Kg
			Total Svoc :		**4,380.70**				
Q3466-05	B9-0.0-1.0-20251023	SOIL	1,4-Benzenedicarboxylic acid, bis	*	150.000	J	0	0	ug/Kg
Q3466-05	B9-0.0-1.0-20251023	SOIL	11H-Benzo[a]fluoren-11-one	*	110.000	J	0	0	ug/Kg
Q3466-05	B9-0.0-1.0-20251023	SOIL	4H-Cyclopenta[def]phenanthrene	*	100.000	J	0	0	ug/Kg
Q3466-05	B9-0.0-1.0-20251023	SOIL	Anthracene, 1-methyl-	*	260.000	J	0	0	ug/Kg
Q3466-05	B9-0.0-1.0-20251023	SOIL	Benzo[e]pyrene	*	270.000	J	0	0	ug/Kg
Q3466-05	B9-0.0-1.0-20251023	SOIL	Benzophenone	*	240.000	J	0	0	ug/Kg
			Total Tics :		**1,130.00**				
			Total Concentration:		**5,510.70**				
Client ID :	**B7-1.0-2.0-20251023**								

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

Hit Summary Sheet
SW-846

SDG No.: Q3466

Client: HDR, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q3466-07	B7-1.0-2.0-20251023	SOIL	Fluoranthene		89.600	J	33.6	190	ug/Kg
Q3466-07	B7-1.0-2.0-20251023	SOIL	Pyrene		130.000	J	40.3	190	ug/Kg
Q3466-07	B7-1.0-2.0-20251023	SOIL	Benzo(a)anthracene		94.300	J	25.7	190	ug/Kg
Q3466-07	B7-1.0-2.0-20251023	SOIL	Chrysene		100.000	J	22.3	190	ug/Kg
Q3466-07	B7-1.0-2.0-20251023	SOIL	Bis(2-ethylhexyl)phthalate		120.000	J	66.2	190	ug/Kg
Q3466-07	B7-1.0-2.0-20251023	SOIL	Benzo(b)fluoranthene		160.000	J	21.3	190	ug/Kg
Q3466-07	B7-1.0-2.0-20251023	SOIL	Benzo(a)pyrene		130.000	J	33	190	ug/Kg
Q3466-07	B7-1.0-2.0-20251023	SOIL	Benzo(g,h,i)perylene		98.900	J	28.7	190	ug/Kg
			Total Svoc :		**922.80**				
Q3466-07	B7-1.0-2.0-20251023	SOIL	Benzophenone	*	130.000	J	0	0	ug/Kg
Q3466-07	B7-1.0-2.0-20251023	SOIL	n-Hexadecanoic acid	*	110.000	J	0	0	ug/Kg
Q3466-07	B7-1.0-2.0-20251023	SOIL	Octadecanoic acid	*	90.200	J	0	0	ug/Kg
			Total Tics :		**330.20**				
			Total Concentration:		**1,253.00**				

SAMPLE DATA

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

Client:	HDR, Inc.	Date Collected:	10/23/25
Project:	PVWC Linear Construction	Date Received:	10/24/25
Client Sample ID:	B8-0.0-1.0-20251023	SDG No.:	Q3466
Lab Sample ID:	Q3466-02	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	85.3
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/28/25		

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	10/29/25 18:31	PB170285
108-95-2	Phenol	25.9	U	1	25.9	200	ug/Kg	10/29/25 18:31	PB170285
111-44-4	bis(2-Chloroethyl)ether	28.4	U	1	28.4	200	ug/Kg	10/29/25 18:31	PB170285
95-57-8	2-Chlorophenol	28.6	U	1	28.6	200	ug/Kg	10/29/25 18:31	PB170285
95-48-7	2-Methylphenol	35.0	U	1	35.0	200	ug/Kg	10/29/25 18:31	PB170285
108-60-1	2,2-oxybis(1-Chloropropane)	43.9	U	1	43.9	200	ug/Kg	10/29/25 18:31	PB170285
98-86-2	Acetophenone	34.5	U	1	34.5	200	ug/Kg	10/29/25 18:31	PB170285
65794-96-9	3+4-Methylphenols	48.1	U	1	48.1	390	ug/Kg	10/29/25 18:31	PB170285
621-64-7	n-Nitroso-di-n-propylamine	55.5	U	1	55.5	93.7	ug/Kg	10/29/25 18:31	PB170285
67-72-1	Hexachloroethane	20.6	U	1	20.6	200	ug/Kg	10/29/25 18:31	PB170285
98-95-3	Nitrobenzene	21.4	U	1	21.4	200	ug/Kg	10/29/25 18:31	PB170285
78-59-1	Isophorone	38.4	U	1	38.4	200	ug/Kg	10/29/25 18:31	PB170285
88-75-5	2-Nitrophenol	68.1	U	1	68.1	200	ug/Kg	10/29/25 18:31	PB170285
105-67-9	2,4-Dimethylphenol	75.9	U	1	75.9	200	ug/Kg	10/29/25 18:31	PB170285
111-91-1	bis(2-Chloroethoxy)methane	36.1	U	1	36.1	200	ug/Kg	10/29/25 18:31	PB170285
120-83-2	2,4-Dichlorophenol	33.1	U	1	33.1	200	ug/Kg	10/29/25 18:31	PB170285
91-20-3	Naphthalene	26.6	U	1	26.6	200	ug/Kg	10/29/25 18:31	PB170285
106-47-8	4-Chloroaniline	41.4	UQ	1	41.4	200	ug/Kg	10/29/25 18:31	PB170285
87-68-3	Hexachlorobutadiene	29.6	U	1	29.6	200	ug/Kg	10/29/25 18:31	PB170285
105-60-2	Caprolactam	61.0	U	1	61.0	390	ug/Kg	10/29/25 18:31	PB170285
59-50-7	4-Chloro-3-methylphenol	33.6	U	1	33.6	200	ug/Kg	10/29/25 18:31	PB170285
91-57-6	2-Methylnaphthalene	30.0	U	1	30.0	200	ug/Kg	10/29/25 18:31	PB170285
77-47-4	Hexachlorocyclopentadiene	140	U	1	140	390	ug/Kg	10/29/25 18:31	PB170285
88-06-2	2,4,6-Trichlorophenol	23.2	U	1	23.2	200	ug/Kg	10/29/25 18:31	PB170285
95-95-4	2,4,5-Trichlorophenol	34.1	U	1	34.1	200	ug/Kg	10/29/25 18:31	PB170285
92-52-4	1,1-Biphenyl	25.5	U	1	25.5	200	ug/Kg	10/29/25 18:31	PB170285
91-58-7	2-Chloronaphthalene	26.3	U	1	26.3	200	ug/Kg	10/29/25 18:31	PB170285
88-74-4	2-Nitroaniline	56.3	U	1	56.3	200	ug/Kg	10/29/25 18:31	PB170285
131-11-3	Dimethylphthalate	31.7	U	1	31.7	200	ug/Kg	10/29/25 18:31	PB170285
208-96-8	Acenaphthylene	33.8	U	1	33.8	200	ug/Kg	10/29/25 18:31	PB170285
606-20-2	2,6-Dinitrotoluene	39.3	U	1	39.3	200	ug/Kg	10/29/25 18:31	PB170285
99-09-2	3-Nitroaniline	53.9	U	1	53.9	200	ug/Kg	10/29/25 18:31	PB170285
83-32-9	Acenaphthene	24.9	U	1	24.9	200	ug/Kg	10/29/25 18:31	PB170285
51-28-5	2,4-Dinitrophenol	270	U	1	270	390	ug/Kg	10/29/25 18:31	PB170285
100-02-7	4-Nitrophenol	130	U	1	130	390	ug/Kg	10/29/25 18:31	PB170285
132-64-9	Dibenzofuran	26.6	U	1	26.6	200	ug/Kg	10/29/25 18:31	PB170285
121-14-2	2,4-Dinitrotoluene	58.7	U	1	58.7	200	ug/Kg	10/29/25 18:31	PB170285
84-66-2	Diethylphthalate	33.1	U	1	33.1	200	ug/Kg	10/29/25 18:31	PB170285
7005-72-3	4-Chlorophenyl-phenylether	31.3	U	1	31.3	200	ug/Kg	10/29/25 18:31	PB170285
86-73-7	Fluorene	29.6	U	1	29.6	200	ug/Kg	10/29/25 18:31	PB170285
100-01-6	4-Nitroaniline	75.2	U	1	75.2	200	ug/Kg	10/29/25 18:31	PB170285
534-52-1	4,6-Dinitro-2-methylphenol	120	U	1	120	390	ug/Kg	10/29/25 18:31	PB170285

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:	10/23/25
Project:	PVWC Linear Construction	Date Received:	10/24/25
Client Sample ID:	B8-0.0-1.0-20251023	SDG No.:	Q3466
Lab Sample ID:	Q3466-02	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	85.3
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/28/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	38.5	U	1	38.5	200	ug/Kg	10/29/25 18:31	PB170285
101-55-3	4-Bromophenyl-phenylether	32.5	U	1	32.5	200	ug/Kg	10/29/25 18:31	PB170285
118-74-1	Hexachlorobenzene	29.6	U	1	29.6	200	ug/Kg	10/29/25 18:31	PB170285
1912-24-9	Atrazine	39.8	U	1	39.8	200	ug/Kg	10/29/25 18:31	PB170285
87-86-5	Pentachlorophenol	60.1	U	1	60.1	390	ug/Kg	10/29/25 18:31	PB170285
85-01-8	Phenanthrene	170	J	1	24.5	200	ug/Kg	10/29/25 18:31	PB170285
120-12-7	Anthracene	39.0	U	1	39.0	200	ug/Kg	10/29/25 18:31	PB170285
86-74-8	Carbazole	36.5	U	1	36.5	200	ug/Kg	10/29/25 18:31	PB170285
84-74-2	Di-n-butylphthalate	56.1	U	1	56.1	200	ug/Kg	10/29/25 18:31	PB170285
206-44-0	Fluoranthene	250		1	35.1	200	ug/Kg	10/29/25 18:31	PB170285
129-00-0	Pyrene	180	J	1	42.1	200	ug/Kg	10/29/25 18:31	PB170285
85-68-7	Butylbenzylphthalate	83.6	U	1	83.6	200	ug/Kg	10/29/25 18:31	PB170285
91-94-1	3,3-Dichlorobenzidine	43.0	UQ	1	43.0	390	ug/Kg	10/29/25 18:31	PB170285
56-55-3	Benzo(a)anthracene	130	J	1	26.9	200	ug/Kg	10/29/25 18:31	PB170285
218-01-9	Chrysene	130	J	1	23.3	200	ug/Kg	10/29/25 18:31	PB170285
117-81-7	Bis(2-ethylhexyl)phthalate	220		1	69.3	200	ug/Kg	10/29/25 18:31	PB170285
117-84-0	Di-n-octyl phthalate	100	U	1	100	390	ug/Kg	10/29/25 18:31	PB170285
205-99-2	Benzo(b)fluoranthene	180	J	1	22.2	200	ug/Kg	10/29/25 18:31	PB170285
207-08-9	Benzo(k)fluoranthene	26.2	U	1	26.2	200	ug/Kg	10/29/25 18:31	PB170285
50-32-8	Benzo(a)pyrene	120	J	1	34.5	200	ug/Kg	10/29/25 18:31	PB170285
193-39-5	Indeno(1,2,3-cd)pyrene	34.1	U	1	34.1	200	ug/Kg	10/29/25 18:31	PB170285
53-70-3	Dibenzo(a,h)anthracene	32.1	U	1	32.1	200	ug/Kg	10/29/25 18:31	PB170285
191-24-2	Benzo(g,h,i)perylene	30.1	U	1	30.1	200	ug/Kg	10/29/25 18:31	PB170285
95-94-3	1,2,4,5-Tetrachlorobenzene	30.0	U	1	30.0	200	ug/Kg	10/29/25 18:31	PB170285
123-91-1	1,4-Dioxane	52.9	U	1	52.9	200	ug/Kg	10/29/25 18:31	PB170285
58-90-2	2,3,4,6-Tetrachlorophenol	32.1	U	1	32.1	200	ug/Kg	10/29/25 18:31	PB170285
SURROGATES									
367-12-4	2-Fluorophenol	79.8			30 (18) - 130 (112)	53%	SPK: 150		
13127-88-3	Phenol-d6	82.5			30 (15) - 130 (107)	55%	SPK: 150		
4165-60-0	Nitrobenzene-d5	55.2			30 (18) - 130 (107)	55%	SPK: 100		
321-60-8	2-Fluorobiphenyl	52.7			30 (20) - 130 (109)	53%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	76.6			30 (10) - 130 (116)	51%	SPK: 150		
1718-51-0	Terphenyl-d14	43.0			30 (10) - 130 (105)	43%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	58800							
1146-65-2	Naphthalene-d8	219000							
15067-26-2	Acenaphthene-d10	119000							
1517-22-2	Phenanthrene-d10	198000							
1719-03-5	Chrysene-d12	172000							
1520-96-3	Perylene-d12	189000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	240	J			10.6	ug/Kg		
000057-10-3	n-Hexadecanoic acid	180	J			11.9	ug/Kg		

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

Client:	HDR, Inc.	Date Collected:	10/23/25
Project:	PVWC Linear Construction	Date Received:	10/24/25
Client Sample ID:	B8-0.0-1.0-20251023	SDG No.:	Q3466
Lab Sample ID:	Q3466-02	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	85.3
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/28/25		

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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	HDR, Inc.	Date Collected:	10/23/25
Project:	PVWC Linear Construction	Date Received:	10/24/25
Client Sample ID:	B9-0.0-1.0-20251023	SDG No.:	Q3466
Lab Sample ID:	Q3466-05	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	83.2
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/28/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	190	U	1	190	400	ug/Kg	10/30/25 20:30	PB170285
108-95-2	Phenol	26.5	U	1	26.5	200	ug/Kg	10/30/25 20:30	PB170285
111-44-4	bis(2-Chloroethyl)ether	29.2	U	1	29.2	200	ug/Kg	10/30/25 20:30	PB170285
95-57-8	2-Chlorophenol	29.3	U	1	29.3	200	ug/Kg	10/30/25 20:30	PB170285
95-48-7	2-Methylphenol	35.9	U	1	35.9	200	ug/Kg	10/30/25 20:30	PB170285
108-60-1	2,2-oxybis(1-Chloropropane)	45.0	U	1	45.0	200	ug/Kg	10/30/25 20:30	PB170285
98-86-2	Acetophenone	35.4	U	1	35.4	200	ug/Kg	10/30/25 20:30	PB170285
65794-96-9	3+4-Methylphenols	49.4	U	1	49.4	400	ug/Kg	10/30/25 20:30	PB170285
621-64-7	n-Nitroso-di-n-propylamine	56.9	U	1	56.9	96.1	ug/Kg	10/30/25 20:30	PB170285
67-72-1	Hexachloroethane	21.1	U	1	21.1	200	ug/Kg	10/30/25 20:30	PB170285
98-95-3	Nitrobenzene	22.0	U	1	22.0	200	ug/Kg	10/30/25 20:30	PB170285
78-59-1	Isophorone	39.4	U	1	39.4	200	ug/Kg	10/30/25 20:30	PB170285
88-75-5	2-Nitrophenol	69.9	U	1	69.9	200	ug/Kg	10/30/25 20:30	PB170285
105-67-9	2,4-Dimethylphenol	77.8	U	1	77.8	200	ug/Kg	10/30/25 20:30	PB170285
111-91-1	bis(2-Chloroethoxy)methane	37.0	U	1	37.0	200	ug/Kg	10/30/25 20:30	PB170285
120-83-2	2,4-Dichlorophenol	34.0	U	1	34.0	200	ug/Kg	10/30/25 20:30	PB170285
91-20-3	Naphthalene	27.3	U	1	27.3	200	ug/Kg	10/30/25 20:30	PB170285
106-47-8	4-Chloroaniline	42.5	UQ	1	42.5	200	ug/Kg	10/30/25 20:30	PB170285
87-68-3	Hexachlorobutadiene	30.4	U	1	30.4	200	ug/Kg	10/30/25 20:30	PB170285
105-60-2	Caprolactam	62.6	U	1	62.6	400	ug/Kg	10/30/25 20:30	PB170285
59-50-7	4-Chloro-3-methylphenol	34.5	U	1	34.5	200	ug/Kg	10/30/25 20:30	PB170285
91-57-6	2-Methylnaphthalene	30.7	U	1	30.7	200	ug/Kg	10/30/25 20:30	PB170285
77-47-4	Hexachlorocyclopentadiene	140	U	1	140	400	ug/Kg	10/30/25 20:30	PB170285
88-06-2	2,4,6-Trichlorophenol	23.8	U	1	23.8	200	ug/Kg	10/30/25 20:30	PB170285
95-95-4	2,4,5-Trichlorophenol	35.0	U	1	35.0	200	ug/Kg	10/30/25 20:30	PB170285
92-52-4	1,1-Biphenyl	26.2	U	1	26.2	200	ug/Kg	10/30/25 20:30	PB170285
91-58-7	2-Chloronaphthalene	27.0	U	1	27.0	200	ug/Kg	10/30/25 20:30	PB170285
88-74-4	2-Nitroaniline	57.8	U	1	57.8	200	ug/Kg	10/30/25 20:30	PB170285
131-11-3	Dimethylphthalate	32.6	U	1	32.6	200	ug/Kg	10/30/25 20:30	PB170285
208-96-8	Acenaphthylene	34.7	U	1	34.7	200	ug/Kg	10/30/25 20:30	PB170285
606-20-2	2,6-Dinitrotoluene	40.4	U	1	40.4	200	ug/Kg	10/30/25 20:30	PB170285
99-09-2	3-Nitroaniline	55.3	U	1	55.3	200	ug/Kg	10/30/25 20:30	PB170285
83-32-9	Acenaphthene	25.6	U	1	25.6	200	ug/Kg	10/30/25 20:30	PB170285
51-28-5	2,4-Dinitrophenol	280	U	1	280	400	ug/Kg	10/30/25 20:30	PB170285
100-02-7	4-Nitrophenol	130	U	1	130	400	ug/Kg	10/30/25 20:30	PB170285
132-64-9	Dibenzofuran	27.3	U	1	27.3	200	ug/Kg	10/30/25 20:30	PB170285
121-14-2	2,4-Dinitrotoluene	60.2	U	1	60.2	200	ug/Kg	10/30/25 20:30	PB170285
84-66-2	Diethylphthalate	34.0	U	1	34.0	200	ug/Kg	10/30/25 20:30	PB170285
7005-72-3	4-Chlorophenyl-phenylether	32.1	U	1	32.1	200	ug/Kg	10/30/25 20:30	PB170285
86-73-7	Fluorene	30.4	U	1	30.4	200	ug/Kg	10/30/25 20:30	PB170285
100-01-6	4-Nitroaniline	77.1	U	1	77.1	200	ug/Kg	10/30/25 20:30	PB170285
534-52-1	4,6-Dinitro-2-methylphenol	120	U	1	120	400	ug/Kg	10/30/25 20:30	PB170285

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	HDR, Inc.	Date Collected:	10/23/25
Project:	PVWC Linear Construction	Date Received:	10/24/25
Client Sample ID:	B9-0.0-1.0-20251023	SDG No.:	Q3466
Lab Sample ID:	Q3466-05	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	83.2
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/28/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	39.5	U	1	39.5	200	ug/Kg	10/30/25 20:30	PB170285
101-55-3	4-Bromophenyl-phenylether	33.4	U	1	33.4	200	ug/Kg	10/30/25 20:30	PB170285
118-74-1	Hexachlorobenzene	30.4	U	1	30.4	200	ug/Kg	10/30/25 20:30	PB170285
1912-24-9	Atrazine	40.8	U	1	40.8	200	ug/Kg	10/30/25 20:30	PB170285
87-86-5	Pentachlorophenol	61.6	U	1	61.6	400	ug/Kg	10/30/25 20:30	PB170285
85-01-8	Phenanthrene	470		1	25.1	200	ug/Kg	10/30/25 20:30	PB170285
120-12-7	Anthracene	80.7	J	1	40.0	200	ug/Kg	10/30/25 20:30	PB170285
86-74-8	Carbazole	37.5	U	1	37.5	200	ug/Kg	10/30/25 20:30	PB170285
84-74-2	Di-n-butylphthalate	57.5	U	1	57.5	200	ug/Kg	10/30/25 20:30	PB170285
206-44-0	Fluoranthene	690		1	36.0	200	ug/Kg	10/30/25 20:30	PB170285
129-00-0	Pyrene	490		1	43.2	200	ug/Kg	10/30/25 20:30	PB170285
85-68-7	Butylbenzylphthalate	150	J	1	85.8	200	ug/Kg	10/30/25 20:30	PB170285
91-94-1	3,3-Dichlorobenzidine	44.1	UQ	1	44.1	400	ug/Kg	10/30/25 20:30	PB170285
56-55-3	Benzo(a)anthracene	290		1	27.6	200	ug/Kg	10/30/25 20:30	PB170285
218-01-9	Chrysene	330		1	23.9	200	ug/Kg	10/30/25 20:30	PB170285
117-81-7	Bis(2-ethylhexyl)phthalate	680		1	71.1	200	ug/Kg	10/30/25 20:30	PB170285
117-84-0	Di-n-octyl phthalate	100	U	1	100	400	ug/Kg	10/30/25 20:30	PB170285
205-99-2	Benzo(b)fluoranthene	390		1	22.8	200	ug/Kg	10/30/25 20:30	PB170285
207-08-9	Benzo(k)fluoranthene	160	J	1	26.9	200	ug/Kg	10/30/25 20:30	PB170285
50-32-8	Benzo(a)pyrene	280		1	35.4	200	ug/Kg	10/30/25 20:30	PB170285
193-39-5	Indeno(1,2,3-cd)pyrene	160	J	1	35.0	200	ug/Kg	10/30/25 20:30	PB170285
53-70-3	Dibenzo(a,h)anthracene	32.9	U	1	32.9	200	ug/Kg	10/30/25 20:30	PB170285
191-24-2	Benzo(g,h,i)perylene	210		1	30.9	200	ug/Kg	10/30/25 20:30	PB170285
95-94-3	1,2,4,5-Tetrachlorobenzene	30.7	U	1	30.7	200	ug/Kg	10/30/25 20:30	PB170285
123-91-1	1,4-Dioxane	54.3	U	1	54.3	200	ug/Kg	10/30/25 20:30	PB170285
58-90-2	2,3,4,6-Tetrachlorophenol	32.9	U	1	32.9	200	ug/Kg	10/30/25 20:30	PB170285
SURROGATES									
367-12-4	2-Fluorophenol	72.0			30 (18) - 130 (112)	48%	SPK: 150		
13127-88-3	Phenol-d6	68.7			30 (15) - 130 (107)	46%	SPK: 150		
4165-60-0	Nitrobenzene-d5	49.3			30 (18) - 130 (107)	49%	SPK: 100		
321-60-8	2-Fluorobiphenyl	46.9			30 (20) - 130 (109)	47%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	69.7			30 (10) - 130 (116)	46%	SPK: 150		
1718-51-0	Terphenyl-d14	42.8			30 (10) - 130 (105)	43%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	356000							
1146-65-2	Naphthalene-d8	1330000							
15067-26-2	Acenaphthene-d10	732000							
1517-22-2	Phenanthrene-d10	1410000							
1719-03-5	Chrysene-d12	1690000							
1520-96-3	Perylene-d12	1920000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	240	J			15.7	ug/Kg		
000610-48-0	Anthracene, 1-methyl-	260	J			18.1	ug/Kg		

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

Client:	HDR, Inc.			Date Collected:	10/23/25
Project:	PVWC Linear Construction			Date Received:	10/24/25
Client Sample ID:	B9-0.0-1.0-20251023			SDG No.:	Q3466
Lab Sample ID:	Q3466-05			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	83.2
Sample Wt/Vol:	30.02 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	10/28/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000203-64-5	4H-Cyclopenta[def]phenanthrene	100	J			18.3	ug/Kg		
000479-79-8	11H-Benzo[a]fluoren-11-one	110	J			21.3	ug/Kg		
006422-86-2	1,4-Benzenedicarboxylic acid, bis(	150	J			22.9	ug/Kg		
000192-97-2	Benzo[e]pyrene	270	J			24.6	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

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	10/23/25
Project:	PVWC Linear Construction	Date Received:	10/24/25
Client Sample ID:	B7-1.0-2.0-20251023	SDG No.:	Q3466
Lab Sample ID:	Q3466-07	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	89.2
Sample Wt/Vol:	30.07 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/28/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	170	U	1	170	370	ug/Kg	10/30/25 21:11	PB170285
108-95-2	Phenol	24.7	U	1	24.7	190	ug/Kg	10/30/25 21:11	PB170285
111-44-4	bis(2-Chloroethyl)ether	27.2	U	1	27.2	190	ug/Kg	10/30/25 21:11	PB170285
95-57-8	2-Chlorophenol	27.3	U	1	27.3	190	ug/Kg	10/30/25 21:11	PB170285
95-48-7	2-Methylphenol	33.4	U	1	33.4	190	ug/Kg	10/30/25 21:11	PB170285
108-60-1	2,2-oxybis(1-Chloropropane)	41.9	U	1	41.9	190	ug/Kg	10/30/25 21:11	PB170285
98-86-2	Acetophenone	33.0	U	1	33.0	190	ug/Kg	10/30/25 21:11	PB170285
65794-96-9	3+4-Methylphenols	46.0	U	1	46.0	370	ug/Kg	10/30/25 21:11	PB170285
621-64-7	n-Nitroso-di-n-propylamine	53.0	U	1	53.0	89.5	ug/Kg	10/30/25 21:11	PB170285
67-72-1	Hexachloroethane	19.7	U	1	19.7	190	ug/Kg	10/30/25 21:11	PB170285
98-95-3	Nitrobenzene	20.5	U	1	20.5	190	ug/Kg	10/30/25 21:11	PB170285
78-59-1	Isophorone	36.7	U	1	36.7	190	ug/Kg	10/30/25 21:11	PB170285
88-75-5	2-Nitrophenol	65.1	U	1	65.1	190	ug/Kg	10/30/25 21:11	PB170285
105-67-9	2,4-Dimethylphenol	72.5	U	1	72.5	190	ug/Kg	10/30/25 21:11	PB170285
111-91-1	bis(2-Chloroethoxy)methane	34.4	U	1	34.4	190	ug/Kg	10/30/25 21:11	PB170285
120-83-2	2,4-Dichlorophenol	31.7	U	1	31.7	190	ug/Kg	10/30/25 21:11	PB170285
91-20-3	Naphthalene	25.4	U	1	25.4	190	ug/Kg	10/30/25 21:11	PB170285
106-47-8	4-Chloroaniline	39.6	UQ	1	39.6	190	ug/Kg	10/30/25 21:11	PB170285
87-68-3	Hexachlorobutadiene	28.3	U	1	28.3	190	ug/Kg	10/30/25 21:11	PB170285
105-60-2	Caprolactam	58.3	U	1	58.3	370	ug/Kg	10/30/25 21:11	PB170285
59-50-7	4-Chloro-3-methylphenol	32.1	U	1	32.1	190	ug/Kg	10/30/25 21:11	PB170285
91-57-6	2-Methylnaphthalene	28.6	U	1	28.6	190	ug/Kg	10/30/25 21:11	PB170285
77-47-4	Hexachlorocyclopentadiene	130	U	1	130	370	ug/Kg	10/30/25 21:11	PB170285
88-06-2	2,4,6-Trichlorophenol	22.1	U	1	22.1	190	ug/Kg	10/30/25 21:11	PB170285
95-95-4	2,4,5-Trichlorophenol	32.5	U	1	32.5	190	ug/Kg	10/30/25 21:11	PB170285
92-52-4	1,1-Biphenyl	24.4	U	1	24.4	190	ug/Kg	10/30/25 21:11	PB170285
91-58-7	2-Chloronaphthalene	25.2	U	1	25.2	190	ug/Kg	10/30/25 21:11	PB170285
88-74-4	2-Nitroaniline	53.8	U	1	53.8	190	ug/Kg	10/30/25 21:11	PB170285
131-11-3	Dimethylphthalate	30.3	U	1	30.3	190	ug/Kg	10/30/25 21:11	PB170285
208-96-8	Acenaphthylene	32.3	U	1	32.3	190	ug/Kg	10/30/25 21:11	PB170285
606-20-2	2,6-Dinitrotoluene	37.6	U	1	37.6	190	ug/Kg	10/30/25 21:11	PB170285
99-09-2	3-Nitroaniline	51.4	U	1	51.4	190	ug/Kg	10/30/25 21:11	PB170285
83-32-9	Acenaphthene	23.8	U	1	23.8	190	ug/Kg	10/30/25 21:11	PB170285
51-28-5	2,4-Dinitrophenol	260	U	1	260	370	ug/Kg	10/30/25 21:11	PB170285
100-02-7	4-Nitrophenol	120	U	1	120	370	ug/Kg	10/30/25 21:11	PB170285
132-64-9	Dibenzofuran	25.4	U	1	25.4	190	ug/Kg	10/30/25 21:11	PB170285
121-14-2	2,4-Dinitrotoluene	56.0	U	1	56.0	190	ug/Kg	10/30/25 21:11	PB170285
84-66-2	Diethylphthalate	31.7	U	1	31.7	190	ug/Kg	10/30/25 21:11	PB170285
7005-72-3	4-Chlorophenyl-phenylether	29.9	U	1	29.9	190	ug/Kg	10/30/25 21:11	PB170285
86-73-7	Fluorene	28.3	U	1	28.3	190	ug/Kg	10/30/25 21:11	PB170285
100-01-6	4-Nitroaniline	71.8	U	1	71.8	190	ug/Kg	10/30/25 21:11	PB170285
534-52-1	4,6-Dinitro-2-methylphenol	120	U	1	120	370	ug/Kg	10/30/25 21:11	PB170285

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	10/23/25
Project:	PVWC Linear Construction	Date Received:	10/24/25
Client Sample ID:	B7-1.0-2.0-20251023	SDG No.:	Q3466
Lab Sample ID:	Q3466-07	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	89.2
Sample Wt/Vol:	30.07 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/28/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	36.8	U	1	36.8	190	ug/Kg	10/30/25 21:11	PB170285
101-55-3	4-Bromophenyl-phenylether	31.1	U	1	31.1	190	ug/Kg	10/30/25 21:11	PB170285
118-74-1	Hexachlorobenzene	28.3	U	1	28.3	190	ug/Kg	10/30/25 21:11	PB170285
1912-24-9	Atrazine	38.0	U	1	38.0	190	ug/Kg	10/30/25 21:11	PB170285
87-86-5	Pentachlorophenol	57.4	U	1	57.4	370	ug/Kg	10/30/25 21:11	PB170285
85-01-8	Phenanthrene	23.4	U	1	23.4	190	ug/Kg	10/30/25 21:11	PB170285
120-12-7	Anthracene	37.2	U	1	37.2	190	ug/Kg	10/30/25 21:11	PB170285
86-74-8	Carbazole	34.9	U	1	34.9	190	ug/Kg	10/30/25 21:11	PB170285
84-74-2	Di-n-butylphthalate	53.6	U	1	53.6	190	ug/Kg	10/30/25 21:11	PB170285
206-44-0	Fluoranthene	89.6	J	1	33.6	190	ug/Kg	10/30/25 21:11	PB170285
129-00-0	Pyrene	130	J	1	40.3	190	ug/Kg	10/30/25 21:11	PB170285
85-68-7	Butylbenzylphthalate	79.9	U	1	79.9	190	ug/Kg	10/30/25 21:11	PB170285
91-94-1	3,3-Dichlorobenzidine	41.0	UQ	1	41.0	370	ug/Kg	10/30/25 21:11	PB170285
56-55-3	Benzo(a)anthracene	94.3	J	1	25.7	190	ug/Kg	10/30/25 21:11	PB170285
218-01-9	Chrysene	100	J	1	22.3	190	ug/Kg	10/30/25 21:11	PB170285
117-81-7	Bis(2-ethylhexyl)phthalate	120	J	1	66.2	190	ug/Kg	10/30/25 21:11	PB170285
117-84-0	Di-n-octyl phthalate	97.1	U	1	97.1	370	ug/Kg	10/30/25 21:11	PB170285
205-99-2	Benzo(b)fluoranthene	160	J	1	21.3	190	ug/Kg	10/30/25 21:11	PB170285
207-08-9	Benzo(k)fluoranthene	25.1	U	1	25.1	190	ug/Kg	10/30/25 21:11	PB170285
50-32-8	Benzo(a)pyrene	130	J	1	33.0	190	ug/Kg	10/30/25 21:11	PB170285
193-39-5	Indeno(1,2,3-cd)pyrene	32.5	U	1	32.5	190	ug/Kg	10/30/25 21:11	PB170285
53-70-3	Dibenzo(a,h)anthracene	30.6	U	1	30.6	190	ug/Kg	10/30/25 21:11	PB170285
191-24-2	Benzo(g,h,i)perylene	98.9	J	1	28.7	190	ug/Kg	10/30/25 21:11	PB170285
95-94-3	1,2,4,5-Tetrachlorobenzene	28.6	U	1	28.6	190	ug/Kg	10/30/25 21:11	PB170285
123-91-1	1,4-Dioxane	50.6	U	1	50.6	190	ug/Kg	10/30/25 21:11	PB170285
58-90-2	2,3,4,6-Tetrachlorophenol	30.6	U	1	30.6	190	ug/Kg	10/30/25 21:11	PB170285
SURROGATES									
367-12-4	2-Fluorophenol	62.9			30 (18) - 130 (112)	42%	SPK: 150		
13127-88-3	Phenol-d6	64.3			30 (15) - 130 (107)	43%	SPK: 150		
4165-60-0	Nitrobenzene-d5	38.9			30 (18) - 130 (107)	39%	SPK: 100		
321-60-8	2-Fluorobiphenyl	33.0			30 (20) - 130 (109)	33%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	60.4			30 (10) - 130 (116)	40%	SPK: 150		
1718-51-0	Terphenyl-d14	39.8			30 (10) - 130 (105)	40%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	375000							
1146-65-2	Naphthalene-d8	1570000							
15067-26-2	Acenaphthene-d10	1000000							
1517-22-2	Phenanthrene-d10	2090000							
1719-03-5	Chrysene-d12	1920000							
1520-96-3	Perylene-d12	1970000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	130	J			15.7	ug/Kg		
000057-10-3	n-Hexadecanoic acid	110	J			18.1	ug/Kg		

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	10/23/25
Project:	PVWC Linear Construction	Date Received:	10/24/25
Client Sample ID:	B7-1.0-2.0-20251023	SDG No.:	Q3466
Lab Sample ID:	Q3466-07	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	89.2
Sample Wt/Vol:	30.07 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/28/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000057-11-4	Octadecanoic acid	90.2	J			19.4	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.: Q3466

Client: HDR, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB170285BL	PB170285BL	2-Fluorophenol	150	148	99		30 (18)	130 (112)
		Phenol-d6	150	141	94		30 (15)	130 (107)
		Nitrobenzene-d5	100	107	107		30 (18)	130 (107)
		2-Fluorobiphenyl	100	95.2	95		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	162	108		30 (10)	130 (116)
		Terphenyl-d14	100	90.9	91		30 (10)	130 (105)
PB170285BS	PB170285BS	2-Fluorophenol	150	125	83		30 (18)	130 (112)
		Phenol-d6	150	123	82		30 (15)	130 (107)
		Nitrobenzene-d5	100	88.9	89		30 (18)	130 (107)
		2-Fluorobiphenyl	100	81.0	81		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	150	100		30 (10)	130 (116)
		Terphenyl-d14	100	81.6	82		30 (10)	130 (105)
Q3466-02	B8-0.0-1.0-20251023	2-Fluorophenol	150	79.8	53		30 (18)	130 (112)
		Phenol-d6	150	82.5	55		30 (15)	130 (107)
		Nitrobenzene-d5	100	55.2	55		30 (18)	130 (107)
		2-Fluorobiphenyl	100	52.7	53		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	76.6	51		30 (10)	130 (116)
		Terphenyl-d14	100	43.0	43		30 (10)	130 (105)
Q3466-05	B9-0.0-1.0-20251023	2-Fluorophenol	150	72.0	48		30 (18)	130 (112)
		Phenol-d6	150	68.7	46		30 (15)	130 (107)
		Nitrobenzene-d5	100	49.3	49		30 (18)	130 (107)
		2-Fluorobiphenyl	100	46.9	47		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	69.7	46		30 (10)	130 (116)
		Terphenyl-d14	100	42.8	43		30 (10)	130 (105)
Q3466-07	B7-1.0-2.0-20251023	2-Fluorophenol	150	62.9	42		30 (18)	130 (112)
		Phenol-d6	150	64.3	43		30 (15)	130 (107)
		Nitrobenzene-d5	100	38.9	39		30 (18)	130 (107)
		2-Fluorobiphenyl	100	33.0	33		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	60.4	40		30 (10)	130 (116)
		Terphenyl-d14	100	39.8	40		30 (10)	130 (105)
Q3469-01MS	TP-13MS	2-Fluorophenol	150	89.0	59		30 (18)	130 (112)
		Phenol-d6	150	94.2	63		30 (15)	130 (107)
		Nitrobenzene-d5	100	61.7	62		30 (18)	130 (107)
		2-Fluorobiphenyl	100	58.6	59		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	92.4	62		30 (10)	130 (116)
		Terphenyl-d14	100	64.6	65		30 (10)	130 (105)
Q3469-01MSD	TP-13MSD	2-Fluorophenol	150	92.0	61		30 (18)	130 (112)
		Phenol-d6	150	93.0	62		30 (15)	130 (107)
		Nitrobenzene-d5	100	60.2	60		30 (18)	130 (107)
		2-Fluorobiphenyl	100	59.6	60		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	91.2	61		30 (10)	130 (116)
		Terphenyl-d14	100	59.5	59		30 (10)	130 (105)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3466 **Analytical Method:** SW8270E

Client: HDR, Inc. **DataFile:** BF144130.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3469-01MS		**Client Sample ID: TP-13MS**									
Benzaldehyde	1100	0	600	ug/Kg	55				20 (10)	160 (171)	
Phenol	1100	0	1100	ug/Kg	100				20 (51)	160 (122)	
bis(2-Chloroethyl)ether	1100	0	1100	ug/Kg	100				70 (54)	130 (125)	
2-Chlorophenol	1100	0	1100	ug/Kg	100				70 (51)	130 (121)	
2-Methylphenol	1100	0	1200	ug/Kg	109				70 (47)	130 (125)	
2,2-oxybis(1-Chloropropane)	1100	0	1100	ug/Kg	100				70 (46)	130 (119)	
Acetophenone	1100	0	1200	ug/Kg	109				70 (55)	130 (128)	
3+4-Methylphenols	1100	0	1100	ug/Kg	100				20 (49)	160 (125)	
N-Nitroso-di-n-propylamine	1100	0	1200	ug/Kg	109				70 (59)	130 (119)	
Hexachloroethane	1100	0	1100	ug/Kg	100				20 (51)	160 (116)	
Nitrobenzene	1100	0	1100	ug/Kg	100				70 (47)	130 (124)	
Isophorone	1100	0	1200	ug/Kg	109				70 (49)	130 (127)	
2-Nitrophenol	1100	0	1100	ug/Kg	100				70 (43)	130 (131)	
2,4-Dimethylphenol	1100	0	1300	ug/Kg	118				70 (63)	130 (151)	
bis(2-Chloroethoxy)methane	1100	0	1200	ug/Kg	109				70 (51)	130 (119)	
2,4-Dichlorophenol	1100	0	1100	ug/Kg	100				70 (50)	130 (122)	
Naphthalene	1100	0	1100	ug/Kg	100				70 (51)	130 (121)	
4-Chloroaniline	1100	0	270	ug/Kg	25	*			70 (10)	130 (100)	
Hexachlorobutadiene	1100	0	1000	ug/Kg	91				70 (44)	130 (126)	
Caprolactam	1100	0	1400	ug/Kg	127				20 (51)	160 (134)	
4-Chloro-3-methylphenol	1100	0	1200	ug/Kg	109				70 (57)	130 (132)	
2-Methylnaphthalene	1100	0	1000	ug/Kg	91				70 (59)	130 (123)	
Hexachlorocyclopentadiene	2200	0	2600	ug/Kg	118				20 (10)	160 (175)	
2,4,6-Trichlorophenol	1100	0	1100	ug/Kg	100				70 (33)	130 (141)	
2,4,5-Trichlorophenol	1100	0	1100	ug/Kg	100				70 (38)	130 (135)	
1,1-Biphenyl	1100	0	1200	ug/Kg	109				70 (55)	130 (131)	
2-Chloronaphthalene	1100	0	1100	ug/Kg	100				70 (48)	130 (124)	
2-Nitroaniline	1100	0	1100	ug/Kg	100				70 (47)	130 (134)	
Dimethylphthalate	1100	0	1200	ug/Kg	109				70 (54)	130 (120)	
Acenaphthylene	1100	0	1200	ug/Kg	109				70 (57)	130 (125)	
2,6-Dinitrotoluene	1100	0	1300	ug/Kg	118				70 (48)	130 (127)	
3-Nitroaniline	1100	0	650	ug/Kg	59	*			70 (10)	130 (112)	
Acenaphthene	1100	0	1000	ug/Kg	91				70 (70)	130 (121)	
2,4-Dinitrophenol	2200	0	2100	ug/Kg	95				20 (10)	160 (155)	
4-Nitrophenol	2200	0	2100	ug/Kg	95				20 (10)	160 (175)	
Dibenzofuran	1100	0	1100	ug/Kg	100				70 (52)	130 (114)	
2,4-Dinitrotoluene	1100	0	1200	ug/Kg	109				70 (41)	130 (140)	
Diethylphthalate	1100	0	1200	ug/Kg	109				70 (51)	130 (119)	
4-Chlorophenyl-phenylether	1100	0	1100	ug/Kg	100				70 (48)	130 (122)	
Fluorene	1100	0	1100	ug/Kg	100				70 (53)	130 (118)	
4-Nitroaniline	1100	0	1100	ug/Kg	100				70 (29)	130 (140)	
4,6-Dinitro-2-methylphenol	1100	0	1100	ug/Kg	100				70 (10)	130 (160)	
N-Nitrosodiphenylamine	1100	0	1200	ug/Kg	109				70 (73)	130 (118)	
4-Bromophenyl-phenylether	1100	0	1100	ug/Kg	100				70 (65)	130 (121)	
Hexachlorobenzene	1100	0	1100	ug/Kg	100				70 (67)	130 (118)	
Atrazine	1100	0	1200	ug/Kg	109				70 (45)	130 (175)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3466 **Analytical Method:** SW8270E

Client: HDR, Inc. **DataFile:** BF144130.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	2200	0	2200	ug/Kg	100				20 (13)	160 (153)	
Phenanthrene	1100	0	1100	ug/Kg	100				70 (52)	130 (128)	
Anthracene	1100	0	1100	ug/Kg	100				70 (62)	130 (124)	
Carbazole	1100	0	1100	ug/Kg	100				70 (59)	130 (119)	
Di-n-butylphthalate	1100	0	1100	ug/Kg	100				70 (55)	130 (125)	
Fluoranthene	1100	94.5	1100	ug/Kg	91				70 (44)	130 (125)	
Pyrene	1100	98.3	1200	ug/Kg	100				70 (37)	130 (122)	
Butylbenzylphthalate	1100	0	1200	ug/Kg	109				70 (44)	130 (135)	
3,3-Dichlorobenzidine	1100	0	610	ug/Kg	55	*			70 (15)	130 (112)	
Benzo(a)anthracene	1100	76.8	1300	ug/Kg	111				70 (53)	130 (119)	
Chrysene	1100	63.1	1300	ug/Kg	112				70 (57)	130 (121)	
bis(2-Ethylhexyl)phthalate	1100	0	1200	ug/Kg	109				70 (42)	130 (169)	
Di-n-octyl phthalate	1100	0	1300	ug/Kg	118				70 (51)	130 (156)	
Benzo(b)fluoranthene	1100	120	1300	ug/Kg	107				70 (52)	130 (117)	
Benzo(k)fluoranthene	1100	0	1200	ug/Kg	109				70 (57)	130 (134)	
Benzo(a)pyrene	1100	85.9	1300	ug/Kg	110				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	1100	0	970	ug/Kg	88				70 (40)	130 (129)	
Dibenz(a,h)anthracene	1100	0	980	ug/Kg	89				70 (43)	130 (123)	
Benzo(g,h,i)perylene	1100	0	890	ug/Kg	81				70 (24)	130 (125)	
1,2,4,5-Tetrachlorobenzene	1100	0	1100	ug/Kg	100				70 (52)	130 (134)	
1,4-Dioxane	1100	0	940	ug/Kg	85				20 (46)	160 (112)	
2,3,4,6-Tetrachlorophenol	1100	0	1200	ug/Kg	109				70 (24)	130 (146)	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3466 **Analytical Method:** SW8270E

Client: HDR, Inc. **DataFile:** BF144131.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID: Q3469-01MSD		**Client Sample ID: TP-13MSD**									
Benzaldehyde	1100	0	600	ug/Kg	55		0		20 (10)	160 (171)	30 (20)
Phenol	1100	0	1100	ug/Kg	100		0		20 (51)	160 (122)	30 (20)
bis(2-Chloroethyl)ether	1100	0	1100	ug/Kg	100		0		70 (54)	130 (125)	30 (20)
2-Chlorophenol	1100	0	1100	ug/Kg	100		0		70 (51)	130 (121)	30 (20)
2-Methylphenol	1100	0	1200	ug/Kg	109		0		70 (47)	130 (125)	30 (20)
2,2-oxybis(1-Chloropropane)	1100	0	1200	ug/Kg	109		9		70 (46)	130 (119)	30 (20)
Acetophenone	1100	0	1200	ug/Kg	109		0		70 (55)	130 (128)	30 (20)
3+4-Methylphenols	1100	0	1100	ug/Kg	100		0		20 (49)	160 (125)	30 (20)
N-Nitroso-di-n-propylamine	1100	0	1200	ug/Kg	109		0		70 (59)	130 (119)	30 (20)
Hexachloroethane	1100	0	1000	ug/Kg	91		9		20 (51)	160 (116)	30 (20)
Nitrobenzene	1100	0	1100	ug/Kg	100		0		70 (47)	130 (124)	30 (20)
Isophorone	1100	0	1100	ug/Kg	100		9		70 (49)	130 (127)	30 (20)
2-Nitrophenol	1100	0	1100	ug/Kg	100		0		70 (43)	130 (131)	30 (20)
2,4-Dimethylphenol	1100	0	1200	ug/Kg	109		8		70 (63)	130 (151)	30 (20)
bis(2-Chloroethoxy)methane	1100	0	1100	ug/Kg	100		9		70 (51)	130 (119)	30 (20)
2,4-Dichlorophenol	1100	0	1100	ug/Kg	100		0		70 (50)	130 (122)	30 (20)
Naphthalene	1100	0	1100	ug/Kg	100		0		70 (51)	130 (121)	30 (20)
4-Chloroaniline	1100	0	310	ug/Kg	28	*	11		70 (10)	130 (100)	30 (20)
Hexachlorobutadiene	1100	0	1000	ug/Kg	91		0		70 (44)	130 (126)	30 (20)
Caprolactam	1100	0	1300	ug/Kg	118		7		20 (51)	160 (134)	30 (20)
4-Chloro-3-methylphenol	1100	0	1200	ug/Kg	109		0		70 (57)	130 (132)	30 (20)
2-Methylnaphthalene	1100	0	1000	ug/Kg	91		0		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	2200	0	2700	ug/Kg	123		4		20 (10)	160 (175)	30 (20)
2,4,6-Trichlorophenol	1100	0	1100	ug/Kg	100		0		70 (33)	130 (141)	30 (20)
2,4,5-Trichlorophenol	1100	0	1100	ug/Kg	100		0		70 (38)	130 (135)	30 (20)
1,1-Biphenyl	1100	0	1100	ug/Kg	100		9		70 (55)	130 (131)	30 (20)
2-Chloronaphthalene	1100	0	1100	ug/Kg	100		0		70 (48)	130 (124)	30 (20)
2-Nitroaniline	1100	0	1100	ug/Kg	100		0		70 (47)	130 (134)	30 (20)
Dimethylphthalate	1100	0	1200	ug/Kg	109		0		70 (54)	130 (120)	30 (20)
Acenaphthylene	1100	0	1200	ug/Kg	109		0		70 (57)	130 (125)	30 (20)
2,6-Dinitrotoluene	1100	0	1200	ug/Kg	109		8		70 (48)	130 (127)	30 (20)
3-Nitroaniline	1100	0	650	ug/Kg	59	*	0		70 (10)	130 (112)	30 (20)
Acenaphthene	1100	0	1100	ug/Kg	100		9		70 (70)	130 (121)	30 (20)
2,4-Dinitrophenol	2200	0	2200	ug/Kg	100		5		20 (10)	160 (155)	30 (20)
4-Nitrophenol	2200	0	2200	ug/Kg	100		5		20 (10)	160 (175)	30 (20)
Dibenzofuran	1100	0	1100	ug/Kg	100		0		70 (52)	130 (114)	30 (20)
2,4-Dinitrotoluene	1100	0	1200	ug/Kg	109		0		70 (41)	130 (140)	30 (20)
Diethylphthalate	1100	0	1200	ug/Kg	109		0		70 (51)	130 (119)	30 (20)
4-Chlorophenyl-phenylether	1100	0	1100	ug/Kg	100		0		70 (48)	130 (122)	30 (20)
Fluorene	1100	0	1100	ug/Kg	100		0		70 (53)	130 (118)	30 (20)
4-Nitroaniline	1100	0	1100	ug/Kg	100		0		70 (29)	130 (140)	30 (20)
4,6-Dinitro-2-methylphenol	1100	0	1100	ug/Kg	100		0		70 (10)	130 (160)	30 (20)
N-Nitrosodiphenylamine	1100	0	1100	ug/Kg	100		9		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	1100	0	1100	ug/Kg	100		0		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	1100	0	1100	ug/Kg	100		0		70 (67)	130 (118)	30 (20)
Atrazine	1100	0	1200	ug/Kg	109		0		70 (45)	130 (175)	30 (20)

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3466 **Analytical Method:** SW8270E

Client: HDR, Inc. **DataFile:** BF144131.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	2200	0	2200	ug/Kg	100		0		20 (13)	160 (153)	30 (20)
Phenanthrene	1100	0	1100	ug/Kg	100		0		70 (52)	130 (128)	30 (20)
Anthracene	1100	0	1100	ug/Kg	100		0		70 (62)	130 (124)	30 (20)
Carbazole	1100	0	1100	ug/Kg	100		0		70 (59)	130 (119)	30 (20)
Di-n-butylphthalate	1100	0	1100	ug/Kg	100		0		70 (55)	130 (125)	30 (20)
Fluoranthene	1100	94.5	1100	ug/Kg	91		0		70 (44)	130 (125)	30 (20)
Pyrene	1100	98.3	1200	ug/Kg	100		0		70 (37)	130 (122)	30 (20)
Butylbenzylphthalate	1100	0	1100	ug/Kg	100		9		70 (44)	130 (135)	30 (20)
3,3-Dichlorobenzidine	1100	0	580	ug/Kg	53	*	4		70 (15)	130 (112)	30 (20)
Benzo(a)anthracene	1100	76.8	1200	ug/Kg	102		8		70 (53)	130 (119)	30 (20)
Chrysene	1100	63.1	1200	ug/Kg	103		8		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	1100	0	1200	ug/Kg	109		0		70 (42)	130 (169)	30 (20)
Di-n-octyl phthalate	1100	0	1200	ug/Kg	109		8		70 (51)	130 (156)	30 (20)
Benzo(b)fluoranthene	1100	120	1300	ug/Kg	107		0		70 (52)	130 (117)	30 (20)
Benzo(k)fluoranthene	1100	0	1100	ug/Kg	100		9		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	1100	85.9	1300	ug/Kg	110		0		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	1100	0	960	ug/Kg	87		1		70 (40)	130 (129)	30 (20)
Dibenz(a,h)anthracene	1100	0	970	ug/Kg	88		1		70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	1100	0	890	ug/Kg	81		0		70 (24)	130 (125)	30 (20)
1,2,4,5-Tetrachlorobenzene	1100	0	1100	ug/Kg	100		0		70 (52)	130 (134)	30 (20)
1,4-Dioxane	1100	0	990	ug/Kg	90		6		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	1100	0	1200	ug/Kg	109		0		70 (24)	130 (146)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3466 **Analytical Method:** 8270E

Client: HDR, Inc. **DataFile:** BG064620.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB170285BS	Benzaldehyde	1700	1100	ug/Kg	65				20 (10)	160 (133)	
	Phenol	1700	1400	ug/Kg	82				20 (62)	160 (112)	
	bis(2-Chloroethyl)ether	1700	1300	ug/Kg	76				70 (60)	130 (101)	
	2-Chlorophenol	1700	1500	ug/Kg	88				70 (65)	130 (112)	
	2-Methylphenol	1700	1600	ug/Kg	94				70 (61)	130 (108)	
	2,2-oxybis(1-Chloropropane)	1700	1300	ug/Kg	76				70 (51)	130 (100)	
	Acetophenone	1700	1500	ug/Kg	88				70 (66)	130 (98)	
	3+4-Methylphenols	1700	1500	ug/Kg	88				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	1500	ug/Kg	88				70 (57)	130 (101)	
	Isophorone	1700	1400	ug/Kg	82				70 (59)	130 (99)	
	2-Nitrophenol	1700	1600	ug/Kg	94				70 (61)	130 (111)	
	2,4-Dimethylphenol	1700	1700	ug/Kg	100				70 (46)	130 (141)	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				70 (66)	130 (97)	
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				70 (62)	130 (107)	
	Naphthalene	1700	1400	ug/Kg	82				70 (62)	130 (100)	
	4-Chloroaniline	1700	770	ug/Kg	45		*		70 (16)	130 (100)	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				70 (53)	130 (98)	
	Caprolactam	1700	1500	ug/Kg	88				20 (67)	160 (110)	
	4-Chloro-3-methylphenol	1700	1600	ug/Kg	94				70 (58)	130 (112)	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				70 (60)	130 (104)	
	Hexachlorocyclopentadiene	3300	4200	ug/Kg	127				20 (45)	160 (165)	
	2,4,6-Trichlorophenol	1700	1600	ug/Kg	94				70 (59)	130 (102)	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				70 (61)	130 (98)	
	1,1-Biphenyl	1700	1600	ug/Kg	94				70 (57)	130 (103)	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				70 (58)	130 (99)	
	2-Nitroaniline	1700	1600	ug/Kg	94				70 (66)	130 (101)	
	Dimethylphthalate	1700	1500	ug/Kg	88				70 (61)	130 (99)	
	Acenaphthylene	1700	1700	ug/Kg	100				70 (63)	130 (101)	
	2,6-Dinitrotoluene	1700	1700	ug/Kg	100				70 (61)	130 (104)	
	3-Nitroaniline	1700	1200	ug/Kg	71				70 (28)	130 (100)	
	Acenaphthene	1700	1600	ug/Kg	94				70 (57)	130 (104)	
	2,4-Dinitrophenol	3300	3700	ug/Kg	112				20 (37)	160 (128)	
	4-Nitrophenol	3300	3500	ug/Kg	106				20 (48)	160 (119)	
	Dibenzofuran	1700	1500	ug/Kg	88				70 (63)	130 (99)	
	2,4-Dinitrotoluene	1700	1700	ug/Kg	100				70 (60)	130 (106)	
	Diethylphthalate	1700	1500	ug/Kg	88				70 (60)	130 (101)	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				70 (58)	130 (98)	
	Fluorene	1700	1500	ug/Kg	88				70 (61)	130 (101)	
	4-Nitroaniline	1700	1700	ug/Kg	100				70 (64)	130 (103)	
	4,6-Dinitro-2-methylphenol	1700	1800	ug/Kg	106				70 (76)	130 (113)	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				70 (71)	130 (99)	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				70 (66)	130 (102)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3466 **Analytical Method:** 8270E

Client: HDR, Inc. **DataFile:** BG064620.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170285BS	Hexachlorobenzene	1700	1500	ug/Kg	88				70 (64)	130 (98)	
	Atrazine	1700	1600	ug/Kg	94				70 (47)	130 (152)	
	Pentachlorophenol	3300	3300	ug/Kg	100				20 (67)	160 (105)	
	Phenanthrene	1700	1500	ug/Kg	88				70 (59)	130 (103)	
	Anthracene	1700	1500	ug/Kg	88				70 (61)	130 (105)	
	Carbazole	1700	1500	ug/Kg	88				70 (61)	130 (99)	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				70 (58)	130 (104)	
	Fluoranthene	1700	1500	ug/Kg	88				70 (57)	130 (107)	
	Pyrene	1700	1400	ug/Kg	82				70 (59)	130 (103)	
	Butylbenzylphthalate	1700	1600	ug/Kg	94				70 (55)	130 (103)	
	3,3-Dichlorobenzidine	1700	1100	ug/Kg	65		*		70 (42)	130 (91)	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				70 (60)	130 (102)	
	Chrysene	1700	1400	ug/Kg	82				70 (59)	130 (101)	
	bis(2-Ethylhexyl)phthalate	1700	1600	ug/Kg	94				70 (54)	130 (135)	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				70 (52)	130 (137)	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				70 (62)	130 (109)	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				70 (62)	130 (109)	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				70 (63)	130 (103)	
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				70 (63)	130 (101)	
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				70 (61)	130 (112)	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				70 (70)	130 (108)	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				70 (53)	130 (101)	
	1,4-Dioxane	1700	1100	ug/Kg	65				20 (50)	160 (96)	
	2,3,4,6-Tetrachlorophenol	1700	1800	ug/Kg	106				70 (59)	130 (108)	

( ) = LABORATORY INHOUSE LIMIT

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB170285BL

Lab Name: Alliance | Contract: HDRI08

Lab Code: ACE | SDG NO.: Q3466

Lab File ID: BG064619.D | Lab Sample ID: PB170285BL

Instrument ID: BNA_G | Date Extracted: 10/28/2025

Matrix: (soil/water) SOIL | Date Analyzed: 10/29/2025

Level: (low/med) LOW | Time Analyzed: 12:03

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170285BS	PB170285BS	BG064620.D	10/29/2025
B9-0.0-1.0-20251023	Q3466-05	BP026050.D	10/30/2025
B7-1.0-2.0-20251023	Q3466-07	BP026051.D	10/30/2025
B8-0.0-1.0-20251023	Q3466-02	BF144135.D	10/29/2025
TP-13MS	Q3469-01MS	BF144130.D	10/29/2025
TP-13MSD	Q3469-01MSD	BF144131.D	10/29/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG NO.: Q3466

Lab File ID: BF144055.D DFTPP Injection Date: 10/24/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:45

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.6) 1
69	Mass 69 relative abundance	23.3
70	Less than 2.0% of mass 69	0.0 (0.0) 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	4.7
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	16.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.8 (18.8) 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	BF144056.D	10/24/2025	10:13
SSTDICC005	SSTDICC005	BF144057.D	10/24/2025	10:42
SSTDICC010	SSTDICC010	BF144058.D	10/24/2025	11:39
SSTDICC020	SSTDICC020	BF144059.D	10/24/2025	12:36
SSTDICCC040	SSTDICCC040	BF144060.D	10/24/2025	13:05
SSTDICC050	SSTDICC050	BF144061.D	10/24/2025	13:34
SSTDICC080	SSTDICC080	BF144063.D	10/24/2025	14:32
SSTDICC060	SSTDICC060	BF144064.D	10/24/2025	16:24

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance | Contract: HDRI08

Lab Code: ACE | SDG NO.: Q3466

Lab File ID: BF144120.D | DFTPP Injection Date: 10/29/2025

Instrument ID: BNA_F | DFTPP Injection Time: 11:00

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.3 (1.3) 1
69	Mass 69 relative abundance	23.9
70	Less than 2.0% of mass 69	0.0 (0.0) 1
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.3
365	Greater than 1% of mass 198	3.2
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 (18) 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	BF144121.D	10/29/2025	11:30
TP-13MS	Q3469-01MS	BF144130.D	10/29/2025	16:02
TP-13MSD	Q3469-01MSD	BF144131.D	10/29/2025	16:32
B8-0.0-1.0-20251023	Q3466-02	BF144135.D	10/29/2025	18:31

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG NO.: Q3466

Lab File ID: BG064568.D DFTPP Injection Date: 10/24/2025

Instrument ID: BNA_G DFTPP Injection Time: 08:20

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	35.3
70	Less than 2.0% of mass 69	0.1 (0.2) 1
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.2
365	Greater than 1% of mass 198	5.1
441	Present, but less than mass 443	15.1
442	Greater than 50% of mass 198	92.7
443	15.0 - 24.0% of mass 442	17.5 (18.9) 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	BG064569.D	10/24/2025	09:00
SSTDICC005	SSTDICC005	BG064570.D	10/24/2025	09:41
SSTDICC010	SSTDICC010	BG064571.D	10/24/2025	11:02
SSTDICC020	SSTDICC020	BG064572.D	10/24/2025	12:23
SSTDICCC040	SSTDICCC040	BG064573.D	10/24/2025	13:03
SSTDICC060	SSTDICC060	BG064574.D	10/24/2025	13:44
SSTDICC080	SSTDICC080	BG064575.D	10/24/2025	14:24
SSTDICC050	SSTDICC050	BG064576.D	10/24/2025	15:32

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG NO.: Q3466

Lab File ID: BG064617.D DFTPP Injection Date: 10/29/2025

Instrument ID: BNA_G DFTPP Injection Time: 10:41

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.3 (1) 1
69	Mass 69 relative abundance	31.8
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.3
365	Greater than 1% of mass 198	5.3
441	Present, but less than mass 443	16.1
442	Greater than 50% of mass 198	97.3
443	15.0 - 24.0% of mass 442	17.5 (18) 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	BG064618.D	10/29/2025	11:22
PB170285BL	PB170285BL	BG064619.D	10/29/2025	12:03
PB170285BS	PB170285BS	BG064620.D	10/29/2025	12:44

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG NO.: Q3466

Lab File ID: BP026027.D DFTPP Injection Date: 10/29/2025

Instrument ID: BNA_P DFTPP Injection Time: 08:45

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.6) 1
69	Mass 69 relative abundance	32.9
70	Less than 2.0% of mass 69	0.1 (0.4) 1
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	11.5
442	Greater than 50% of mass 198	75
443	15.0 - 24.0% of mass 442	14.4 (19.2) 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
SSTDICC2.5	SSTDICC2.5	BP026028.D	10/29/2025	09:26
SSTDICC005	SSTDICC005	BP026029.D	10/29/2025	10:07
SSTDICC010	SSTDICC010	BP026030.D	10/29/2025	10:48
SSTDICC020	SSTDICC020	BP026031.D	10/29/2025	11:29
SSTDICCC040	SSTDICCC040	BP026032.D	10/29/2025	12:10
SSTDICC050	SSTDICC050	BP026033.D	10/29/2025	12:51
SSTDICC060	SSTDICC060	BP026034.D	10/29/2025	13:32
SSTDICC080	SSTDICC080	BP026035.D	10/29/2025	14:13

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance | Contract: HDRI08

Lab Code: ACE | SDG NO.: Q3466

Lab File ID: BP026038.D | DFTPP Injection Date: 10/30/2025

Instrument ID: BNA_P | DFTPP Injection Time: 10:34

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	31
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	13.9
442	Greater than 50% of mass 198	88.8
443	15.0 - 24.0% of mass 442	17.2 (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
SSTDCCC040	SSTDCCC040	BP026039.D	10/30/2025	11:15
B9-0.0-1.0-20251023	Q3466-05	BP026050.D	10/30/2025	20:30
B7-1.0-2.0-20251023	Q3466-07	BP026051.D	10/30/2025	21:11

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3466

Client ID : SSTDCCC040 Date Analyzed: 10/29/2025

Lab File ID: BF144121.D Time Analyzed: 11:30

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	61447	6.881	232371	8.16	124035	9.92
	UPPER LIMIT	122894	7.381	464742	8.663	248070	10.416
	LOWER LIMIT	30723.5	6.381	116186	7.663	62017.5	9.416
	EPA SAMPLE NO.						
01	B8-0.0-1.0-20251023	58760	6.88	219394	8.16	118691	9.92
02	TP-13MS	58676	6.88	221225	8.16	127799	9.92
03	TP-13MSD	55386	6.88	217401	8.16	121422	9.92

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.: Q3466

Client ID: SSTDCCC040 Date Analyzed: 10/29/2025

Lab File ID: BF144121.D Time Analyzed: 11:30

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	207074	11.41	153131	14.057	204043	15.539
	UPPER LIMIT	414148	11.91	306262	14.557	408086	16.039
	LOWER LIMIT	103537	10.91	76565.5	13.557	102022	15.039
	EPA SAMPLE NO.						
01	B8-0.0-1.0-20251023	197810	11.40	171583	14.05	188901	15.54
02	TP-13MS	212513	11.41	138511	14.06	188620	15.54
03	TP-13MSD	206304	11.41	148079	14.06	188765	15.54

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.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3466

Client ID : SSTDCCC040 Date Analyzed: 10/29/2025

Lab File ID: BG064618.D Time Analyzed: 11:22

Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	36613	8.223	148961	11.04	108882	14.84
	UPPER LIMIT	73226	8.723	297922	11.543	217764	15.339
	LOWER LIMIT	18306.5	7.723	74480.5	10.543	54441	14.339
	EPA SAMPLE NO.						
01	PB170285BL	31966	8.22	126218	11.04	100016	14.84
02	PB170285BS	29150	8.22	120630	11.04	94777	14.84

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.: Q3466

Client ID: SSTDCCC040 Date Analyzed: 10/29/2025

Lab File ID: BG064618.D Time Analyzed: 11:22

Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	241683	17.577	261016	21.854	298207	25.197
	UPPER LIMIT	483366	18.077	522032	22.354	596414	25.697
	LOWER LIMIT	120842	17.077	130508	21.354	149104	24.697
	EPA SAMPLE NO.						
01	PB170285BL	253171	17.58	318569	21.85	365282	25.19
02	PB170285BS	243860	17.58	284315	21.85	307438	25.20

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.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3466

Client ID : SSTDCCC040 Date Analyzed: 10/30/2025

Lab File ID: BP026039.D Time Analyzed: 11:15

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	280604	7.678	1128650	10.45	707800	14.31
	UPPER LIMIT	561208	8.178	2257300	10.949	1415600	14.807
	LOWER LIMIT	140302	7.178	564325	9.949	353900	13.807
	EPA SAMPLE NO.						
01	B9-0.0-1.0-20251023	355876	7.68	1331390	10.45	731584	14.33
02	B7-1.0-2.0-20251023	374852	7.68	1574290	10.45	1003730	14.32

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.: Q3466

Client ID: SSTDCCC040 Date Analyzed: 10/30/2025

Lab File ID: BP026039.D Time Analyzed: 11:15

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1418800	17.119	1511220	21.577	1625760	24.901
	UPPER LIMIT	2837600	17.619	3022440	22.077	3251520	25.401
	LOWER LIMIT	709400	16.619	755610	21.077	812880	24.401
	EPA SAMPLE NO.						
01	B9-0.0-1.0-20251023	1409770	17.14	1685780	21.59	1916410	24.92
02	B7-1.0-2.0-20251023	2090160	17.14	1916760	21.58	1966080	24.92

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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	HDR, Inc.	Date Collected:	
Project:	PVWC Linear Construction	Date Received:	
Client Sample ID:	PB170285BL	SDG No.:	Q3466
Lab Sample ID:	PB170285BL	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: 10/28/25		

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	10/29/25 12:03	PB170285
108-95-2	Phenol	22.1	U	1	22.1	170	ug/Kg	10/29/25 12:03	PB170285
111-44-4	bis(2-Chloroethyl)ether	24.3	U	1	24.3	170	ug/Kg	10/29/25 12:03	PB170285
95-57-8	2-Chlorophenol	24.4	U	1	24.4	170	ug/Kg	10/29/25 12:03	PB170285
95-48-7	2-Methylphenol	29.9	U	1	29.9	170	ug/Kg	10/29/25 12:03	PB170285
108-60-1	2,2-oxybis(1-Chloropropane)	37.5	U	1	37.5	170	ug/Kg	10/29/25 12:03	PB170285
98-86-2	Acetophenone	29.5	U	1	29.5	170	ug/Kg	10/29/25 12:03	PB170285
65794-96-9	3+4-Methylphenols	41.1	U	1	41.1	330	ug/Kg	10/29/25 12:03	PB170285
621-64-7	n-Nitroso-di-n-propylamine	47.4	U	1	47.4	79.9	ug/Kg	10/29/25 12:03	PB170285
67-72-1	Hexachloroethane	17.6	U	1	17.6	170	ug/Kg	10/29/25 12:03	PB170285
98-95-3	Nitrobenzene	18.3	U	1	18.3	170	ug/Kg	10/29/25 12:03	PB170285
78-59-1	Isophorone	32.8	U	1	32.8	170	ug/Kg	10/29/25 12:03	PB170285
88-75-5	2-Nitrophenol	58.2	U	1	58.2	170	ug/Kg	10/29/25 12:03	PB170285
105-67-9	2,4-Dimethylphenol	64.8	U	1	64.8	170	ug/Kg	10/29/25 12:03	PB170285
111-91-1	bis(2-Chloroethoxy)methane	30.8	U	1	30.8	170	ug/Kg	10/29/25 12:03	PB170285
120-83-2	2,4-Dichlorophenol	28.3	U	1	28.3	170	ug/Kg	10/29/25 12:03	PB170285
91-20-3	Naphthalene	22.7	U	1	22.7	170	ug/Kg	10/29/25 12:03	PB170285
106-47-8	4-Chloroaniline	35.4	U	1	35.4	170	ug/Kg	10/29/25 12:03	PB170285
87-68-3	Hexachlorobutadiene	25.3	U	1	25.3	170	ug/Kg	10/29/25 12:03	PB170285
105-60-2	Caprolactam	52.1	U	1	52.1	330	ug/Kg	10/29/25 12:03	PB170285
59-50-7	4-Chloro-3-methylphenol	28.7	U	1	28.7	170	ug/Kg	10/29/25 12:03	PB170285
91-57-6	2-Methylnaphthalene	25.6	U	1	25.6	170	ug/Kg	10/29/25 12:03	PB170285
77-47-4	Hexachlorocyclopentadiene	120	U	1	120	330	ug/Kg	10/29/25 12:03	PB170285
88-06-2	2,4,6-Trichlorophenol	19.8	U	1	19.8	170	ug/Kg	10/29/25 12:03	PB170285
95-95-4	2,4,5-Trichlorophenol	29.1	U	1	29.1	170	ug/Kg	10/29/25 12:03	PB170285
92-52-4	1,1-Biphenyl	21.8	U	1	21.8	170	ug/Kg	10/29/25 12:03	PB170285
91-58-7	2-Chloronaphthalene	22.5	U	1	22.5	170	ug/Kg	10/29/25 12:03	PB170285
88-74-4	2-Nitroaniline	48.1	U	1	48.1	170	ug/Kg	10/29/25 12:03	PB170285
131-11-3	Dimethylphthalate	27.1	U	1	27.1	170	ug/Kg	10/29/25 12:03	PB170285
208-96-8	Acenaphthylene	28.9	U	1	28.9	170	ug/Kg	10/29/25 12:03	PB170285
606-20-2	2,6-Dinitrotoluene	33.6	U	1	33.6	170	ug/Kg	10/29/25 12:03	PB170285
99-09-2	3-Nitroaniline	46.0	U	1	46.0	170	ug/Kg	10/29/25 12:03	PB170285
83-32-9	Acenaphthene	21.3	U	1	21.3	170	ug/Kg	10/29/25 12:03	PB170285
51-28-5	2,4-Dinitrophenol	230	U	1	230	330	ug/Kg	10/29/25 12:03	PB170285
100-02-7	4-Nitrophenol	110	U	1	110	330	ug/Kg	10/29/25 12:03	PB170285
132-64-9	Dibenzofuran	22.7	U	1	22.7	170	ug/Kg	10/29/25 12:03	PB170285
121-14-2	2,4-Dinitrotoluene	50.1	U	1	50.1	170	ug/Kg	10/29/25 12:03	PB170285
84-66-2	Diethylphthalate	28.3	U	1	28.3	170	ug/Kg	10/29/25 12:03	PB170285
7005-72-3	4-Chlorophenyl-phenylether	26.7	U	1	26.7	170	ug/Kg	10/29/25 12:03	PB170285
86-73-7	Fluorene	25.3	U	1	25.3	170	ug/Kg	10/29/25 12:03	PB170285
100-01-6	4-Nitroaniline	64.2	U	1	64.2	170	ug/Kg	10/29/25 12:03	PB170285
534-52-1	4,6-Dinitro-2-methylphenol	100	U	1	100	330	ug/Kg	10/29/25 12:03	PB170285

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Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	PB170285BL			SDG No.:	Q3466
Lab Sample ID:	PB170285BL			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:	10/28/25		

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	10/29/25 12:03	PB170285
101-55-3	4-Bromophenyl-phenylether	27.8	U	1	27.8	170	ug/Kg	10/29/25 12:03	PB170285
118-74-1	Hexachlorobenzene	25.3	U	1	25.3	170	ug/Kg	10/29/25 12:03	PB170285
1912-24-9	Atrazine	34.0	U	1	34.0	170	ug/Kg	10/29/25 12:03	PB170285
87-86-5	Pentachlorophenol	51.3	U	1	51.3	330	ug/Kg	10/29/25 12:03	PB170285
85-01-8	Phenanthrene	20.9	U	1	20.9	170	ug/Kg	10/29/25 12:03	PB170285
120-12-7	Anthracene	33.3	U	1	33.3	170	ug/Kg	10/29/25 12:03	PB170285
86-74-8	Carbazole	31.2	U	1	31.2	170	ug/Kg	10/29/25 12:03	PB170285
84-74-2	Di-n-butylphthalate	47.9	U	1	47.9	170	ug/Kg	10/29/25 12:03	PB170285
206-44-0	Fluoranthene	30.0	U	1	30.0	170	ug/Kg	10/29/25 12:03	PB170285
129-00-0	Pyrene	36.0	U	1	36.0	170	ug/Kg	10/29/25 12:03	PB170285
85-68-7	Butylbenzylphthalate	71.4	U	1	71.4	170	ug/Kg	10/29/25 12:03	PB170285
91-94-1	3,3-Dichlorobenzidine	36.7	U	1	36.7	330	ug/Kg	10/29/25 12:03	PB170285
56-55-3	Benzo(a)anthracene	23.0	U	1	23.0	170	ug/Kg	10/29/25 12:03	PB170285
218-01-9	Chrysene	19.9	U	1	19.9	170	ug/Kg	10/29/25 12:03	PB170285
117-81-7	Bis(2-ethylhexyl)phthalate	59.2	U	1	59.2	170	ug/Kg	10/29/25 12:03	PB170285
117-84-0	Di-n-octyl phthalate	86.7	U	1	86.7	330	ug/Kg	10/29/25 12:03	PB170285
205-99-2	Benzo(b)fluoranthene	19.0	U	1	19.0	170	ug/Kg	10/29/25 12:03	PB170285
207-08-9	Benzo(k)fluoranthene	22.4	U	1	22.4	170	ug/Kg	10/29/25 12:03	PB170285
50-32-8	Benzo(a)pyrene	29.5	U	1	29.5	170	ug/Kg	10/29/25 12:03	PB170285
193-39-5	Indeno(1,2,3-cd)pyrene	29.1	U	1	29.1	170	ug/Kg	10/29/25 12:03	PB170285
53-70-3	Dibenzo(a,h)anthracene	27.4	U	1	27.4	170	ug/Kg	10/29/25 12:03	PB170285
191-24-2	Benzo(g,h,i)perylene	25.7	U	1	25.7	170	ug/Kg	10/29/25 12:03	PB170285
95-94-3	1,2,4,5-Tetrachlorobenzene	25.6	U	1	25.6	170	ug/Kg	10/29/25 12:03	PB170285
123-91-1	1,4-Dioxane	45.2	U	1	45.2	170	ug/Kg	10/29/25 12:03	PB170285
58-90-2	2,3,4,6-Tetrachlorophenol	27.4	U	1	27.4	170	ug/Kg	10/29/25 12:03	PB170285
SURROGATES									
367-12-4	2-Fluorophenol	148			30 (18) - 130 (112)	99%	SPK: 150		
13127-88-3	Phenol-d6	141			30 (15) - 130 (107)	94%	SPK: 150		
4165-60-0	Nitrobenzene-d5	107			30 (18) - 130 (107)	107%	SPK: 100		
321-60-8	2-Fluorobiphenyl	95.2			30 (20) - 130 (109)	95%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	162			30 (10) - 130 (116)	108%	SPK: 150		
1718-51-0	Terphenyl-d14	90.9			30 (10) - 130 (105)	91%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	32000							
1146-65-2	Naphthalene-d8	126000							
15067-26-2	Acenaphthene-d10	100000							
1517-22-2	Phenanthrene-d10	253000							
1719-03-5	Chrysene-d12	319000							
1520-96-3	Perylene-d12	365000							

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Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	PB170285BL			SDG No.:	Q3466
Lab Sample ID:	PB170285BL			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:	10/28/25		

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

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	
Project:	PVWC Linear Construction	Date Received:	
Client Sample ID:	PB170285BS	SDG No.:	Q3466
Lab Sample ID:	PB170285BS	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: 10/28/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	1100		1	160	330	ug/Kg	10/29/25 12:44	PB170285
108-95-2	Phenol	1400		1	22.1	170	ug/Kg	10/29/25 12:44	PB170285
111-44-4	bis(2-Chloroethyl)ether	1300		1	24.3	170	ug/Kg	10/29/25 12:44	PB170285
95-57-8	2-Chlorophenol	1500		1	24.4	170	ug/Kg	10/29/25 12:44	PB170285
95-48-7	2-Methylphenol	1600		1	29.9	170	ug/Kg	10/29/25 12:44	PB170285
108-60-1	2,2-oxybis(1-Chloropropane)	1300		1	37.5	170	ug/Kg	10/29/25 12:44	PB170285
98-86-2	Acetophenone	1500		1	29.5	170	ug/Kg	10/29/25 12:44	PB170285
65794-96-9	3+4-Methylphenols	1500		1	41.1	330	ug/Kg	10/29/25 12:44	PB170285
621-64-7	n-Nitroso-di-n-propylamine	1400		1	47.4	79.9	ug/Kg	10/29/25 12:44	PB170285
67-72-1	Hexachloroethane	1400		1	17.6	170	ug/Kg	10/29/25 12:44	PB170285
98-95-3	Nitrobenzene	1500		1	18.3	170	ug/Kg	10/29/25 12:44	PB170285
78-59-1	Isophorone	1400		1	32.8	170	ug/Kg	10/29/25 12:44	PB170285
88-75-5	2-Nitrophenol	1600		1	58.1	170	ug/Kg	10/29/25 12:44	PB170285
105-67-9	2,4-Dimethylphenol	1700		1	64.7	170	ug/Kg	10/29/25 12:44	PB170285
111-91-1	bis(2-Chloroethoxy)methane	1400		1	30.8	170	ug/Kg	10/29/25 12:44	PB170285
120-83-2	2,4-Dichlorophenol	1600		1	28.3	170	ug/Kg	10/29/25 12:44	PB170285
91-20-3	Naphthalene	1400		1	22.7	170	ug/Kg	10/29/25 12:44	PB170285
106-47-8	4-Chloroaniline	770		1	35.4	170	ug/Kg	10/29/25 12:44	PB170285
87-68-3	Hexachlorobutadiene	1400		1	25.3	170	ug/Kg	10/29/25 12:44	PB170285
105-60-2	Caprolactam	1500		1	52.0	330	ug/Kg	10/29/25 12:44	PB170285
59-50-7	4-Chloro-3-methylphenol	1600		1	28.7	170	ug/Kg	10/29/25 12:44	PB170285
91-57-6	2-Methylnaphthalene	1300		1	25.6	170	ug/Kg	10/29/25 12:44	PB170285
77-47-4	Hexachlorocyclopentadiene	4200	E	1	120	330	ug/Kg	10/29/25 12:44	PB170285
88-06-2	2,4,6-Trichlorophenol	1600		1	19.8	170	ug/Kg	10/29/25 12:44	PB170285
95-95-4	2,4,5-Trichlorophenol	1600		1	29.1	170	ug/Kg	10/29/25 12:44	PB170285
92-52-4	1,1-Biphenyl	1600		1	21.8	170	ug/Kg	10/29/25 12:44	PB170285
91-58-7	2-Chloronaphthalene	1400		1	22.5	170	ug/Kg	10/29/25 12:44	PB170285
88-74-4	2-Nitroaniline	1600		1	48.1	170	ug/Kg	10/29/25 12:44	PB170285
131-11-3	Dimethylphthalate	1500		1	27.1	170	ug/Kg	10/29/25 12:44	PB170285
208-96-8	Acenaphthylene	1700		1	28.9	170	ug/Kg	10/29/25 12:44	PB170285
606-20-2	2,6-Dinitrotoluene	1700		1	33.6	170	ug/Kg	10/29/25 12:44	PB170285
99-09-2	3-Nitroaniline	1200		1	46.0	170	ug/Kg	10/29/25 12:44	PB170285
83-32-9	Acenaphthene	1600		1	21.3	170	ug/Kg	10/29/25 12:44	PB170285
51-28-5	2,4-Dinitrophenol	3700	E	1	230	330	ug/Kg	10/29/25 12:44	PB170285
100-02-7	4-Nitrophenol	3500	E	1	110	330	ug/Kg	10/29/25 12:44	PB170285
132-64-9	Dibenzofuran	1500		1	22.7	170	ug/Kg	10/29/25 12:44	PB170285
121-14-2	2,4-Dinitrotoluene	1700		1	50.0	170	ug/Kg	10/29/25 12:44	PB170285
84-66-2	Diethylphthalate	1500		1	28.3	170	ug/Kg	10/29/25 12:44	PB170285
7005-72-3	4-Chlorophenyl-phenylether	1500		1	26.7	170	ug/Kg	10/29/25 12:44	PB170285
86-73-7	Fluorene	1500		1	25.3	170	ug/Kg	10/29/25 12:44	PB170285
100-01-6	4-Nitroaniline	1700		1	64.1	170	ug/Kg	10/29/25 12:44	PB170285
534-52-1	4,6-Dinitro-2-methylphenol	1800		1	100	330	ug/Kg	10/29/25 12:44	PB170285

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Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	PB170285BS			SDG No.:	Q3466
Lab Sample ID:	PB170285BS			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:	10/28/25		

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	10/29/25 12:44	PB170285
101-55-3	4-Bromophenyl-phenylether	1500		1	27.8	170	ug/Kg	10/29/25 12:44	PB170285
118-74-1	Hexachlorobenzene	1500		1	25.3	170	ug/Kg	10/29/25 12:44	PB170285
1912-24-9	Atrazine	1600		1	34.0	170	ug/Kg	10/29/25 12:44	PB170285
87-86-5	Pentachlorophenol	3300	E	1	51.2	330	ug/Kg	10/29/25 12:44	PB170285
85-01-8	Phenanthrene	1500		1	20.9	170	ug/Kg	10/29/25 12:44	PB170285
120-12-7	Anthracene	1500		1	33.3	170	ug/Kg	10/29/25 12:44	PB170285
86-74-8	Carbazole	1500		1	31.2	170	ug/Kg	10/29/25 12:44	PB170285
84-74-2	Di-n-butylphthalate	1500		1	47.9	170	ug/Kg	10/29/25 12:44	PB170285
206-44-0	Fluoranthene	1500		1	30.0	170	ug/Kg	10/29/25 12:44	PB170285
129-00-0	Pyrene	1400		1	36.0	170	ug/Kg	10/29/25 12:44	PB170285
85-68-7	Butylbenzylphthalate	1600		1	71.3	170	ug/Kg	10/29/25 12:44	PB170285
91-94-1	3,3-Dichlorobenzidine	1100		1	36.7	330	ug/Kg	10/29/25 12:44	PB170285
56-55-3	Benzo(a)anthracene	1500		1	23.0	170	ug/Kg	10/29/25 12:44	PB170285
218-01-9	Chrysene	1400		1	19.9	170	ug/Kg	10/29/25 12:44	PB170285
117-81-7	Bis(2-ethylhexyl)phthalate	1600		1	59.1	170	ug/Kg	10/29/25 12:44	PB170285
117-84-0	Di-n-octyl phthalate	1600		1	86.7	330	ug/Kg	10/29/25 12:44	PB170285
205-99-2	Benzo(b)fluoranthene	1500		1	19.0	170	ug/Kg	10/29/25 12:44	PB170285
207-08-9	Benzo(k)fluoranthene	1500		1	22.4	170	ug/Kg	10/29/25 12:44	PB170285
50-32-8	Benzo(a)pyrene	1600		1	29.5	170	ug/Kg	10/29/25 12:44	PB170285
193-39-5	Indeno(1,2,3-cd)pyrene	1500		1	29.1	170	ug/Kg	10/29/25 12:44	PB170285
53-70-3	Dibenzo(a,h)anthracene	1500		1	27.4	170	ug/Kg	10/29/25 12:44	PB170285
191-24-2	Benzo(g,h,i)perylene	1600		1	25.7	170	ug/Kg	10/29/25 12:44	PB170285
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		1	25.6	170	ug/Kg	10/29/25 12:44	PB170285
123-91-1	1,4-Dioxane	1100		1	45.2	170	ug/Kg	10/29/25 12:44	PB170285
58-90-2	2,3,4,6-Tetrachlorophenol	1800		1	27.4	170	ug/Kg	10/29/25 12:44	PB170285
SURROGATES									
367-12-4	2-Fluorophenol	125			30 (18) - 130 (112)	83%	SPK: 150		
13127-88-3	Phenol-d6	123			30 (15) - 130 (107)	82%	SPK: 150		
4165-60-0	Nitrobenzene-d5	88.9			30 (18) - 130 (107)	89%	SPK: 100		
321-60-8	2-Fluorobiphenyl	81.0			30 (20) - 130 (109)	81%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	150			30 (10) - 130 (116)	100%	SPK: 150		
1718-51-0	Terphenyl-d14	81.6			30 (10) - 130 (105)	82%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	29200							
1146-65-2	Naphthalene-d8	121000							
15067-26-2	Acenaphthene-d10	94800							
1517-22-2	Phenanthrene-d10	244000							
1719-03-5	Chrysene-d12	284000							
1520-96-3	Perylene-d12	307000							

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Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	PB170285BS			SDG No.:	Q3466
Lab Sample ID:	PB170285BS			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:	10/28/25		

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

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:	10/25/25
Project:	PVWC Linear Construction	Date Received:	10/27/25
Client Sample ID:	TP-13MS	SDG No.:	Q3466
Lab Sample ID:	Q3469-01MS	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	91.1
Sample Wt/Vol:	50.08 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/28/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	600		1	100	220	ug/Kg	10/29/25 16:02	PB170285
108-95-2	Phenol	1100		1	14.5	110	ug/Kg	10/29/25 16:02	PB170285
111-44-4	bis(2-Chloroethyl)ether	1100		1	16.0	110	ug/Kg	10/29/25 16:02	PB170285
95-57-8	2-Chlorophenol	1100		1	16.0	110	ug/Kg	10/29/25 16:02	PB170285
95-48-7	2-Methylphenol	1200		1	19.7	110	ug/Kg	10/29/25 16:02	PB170285
108-60-1	2,2-oxybis(1-Chloropropane)	1100		1	24.7	110	ug/Kg	10/29/25 16:02	PB170285
98-86-2	Acetophenone	1200		1	19.4	110	ug/Kg	10/29/25 16:02	PB170285
65794-96-9	3+4-Methylphenols	1100		1	27.0	220	ug/Kg	10/29/25 16:02	PB170285
621-64-7	n-Nitroso-di-n-propylamine	1200		1	31.2	52.6	ug/Kg	10/29/25 16:02	PB170285
67-72-1	Hexachloroethane	1100		1	11.6	110	ug/Kg	10/29/25 16:02	PB170285
98-95-3	Nitrobenzene	1100		1	12.0	110	ug/Kg	10/29/25 16:02	PB170285
78-59-1	Isophorone	1200		1	21.6	110	ug/Kg	10/29/25 16:02	PB170285
88-75-5	2-Nitrophenol	1100		1	38.3	110	ug/Kg	10/29/25 16:02	PB170285
105-67-9	2,4-Dimethylphenol	1300		1	42.6	110	ug/Kg	10/29/25 16:02	PB170285
111-91-1	bis(2-Chloroethoxy)methane	1200		1	20.3	110	ug/Kg	10/29/25 16:02	PB170285
120-83-2	2,4-Dichlorophenol	1100		1	18.6	110	ug/Kg	10/29/25 16:02	PB170285
91-20-3	Naphthalene	1100		1	14.9	110	ug/Kg	10/29/25 16:02	PB170285
106-47-8	4-Chloroaniline	270		1	23.3	110	ug/Kg	10/29/25 16:02	PB170285
87-68-3	Hexachlorobutadiene	1000		1	16.6	110	ug/Kg	10/29/25 16:02	PB170285
105-60-2	Caprolactam	1400		1	34.3	220	ug/Kg	10/29/25 16:02	PB170285
59-50-7	4-Chloro-3-methylphenol	1200		1	18.9	110	ug/Kg	10/29/25 16:02	PB170285
91-57-6	2-Methylnaphthalene	1000		1	16.8	110	ug/Kg	10/29/25 16:02	PB170285
77-47-4	Hexachlorocyclopentadiene	2600	E	1	76.3	220	ug/Kg	10/29/25 16:02	PB170285
88-06-2	2,4,6-Trichlorophenol	1100		1	13.0	110	ug/Kg	10/29/25 16:02	PB170285
95-95-4	2,4,5-Trichlorophenol	1100		1	19.1	110	ug/Kg	10/29/25 16:02	PB170285
92-52-4	1,1-Biphenyl	1200		1	14.3	110	ug/Kg	10/29/25 16:02	PB170285
91-58-7	2-Chloronaphthalene	1100		1	14.8	110	ug/Kg	10/29/25 16:02	PB170285
88-74-4	2-Nitroaniline	1100		1	31.6	110	ug/Kg	10/29/25 16:02	PB170285
131-11-3	Dimethylphthalate	1200		1	17.8	110	ug/Kg	10/29/25 16:02	PB170285
208-96-8	Acenaphthylene	1200		1	19.0	110	ug/Kg	10/29/25 16:02	PB170285
606-20-2	2,6-Dinitrotoluene	1300		1	22.1	110	ug/Kg	10/29/25 16:02	PB170285
99-09-2	3-Nitroaniline	650		1	30.2	110	ug/Kg	10/29/25 16:02	PB170285
83-32-9	Acenaphthene	1000		1	14.0	110	ug/Kg	10/29/25 16:02	PB170285
51-28-5	2,4-Dinitrophenol	2100	E	1	150	220	ug/Kg	10/29/25 16:02	PB170285
100-02-7	4-Nitrophenol	2100	E	1	70.4	220	ug/Kg	10/29/25 16:02	PB170285
132-64-9	Dibenzofuran	1100		1	14.9	110	ug/Kg	10/29/25 16:02	PB170285
121-14-2	2,4-Dinitrotoluene	1200		1	32.9	110	ug/Kg	10/29/25 16:02	PB170285
84-66-2	Diethylphthalate	1200		1	18.6	110	ug/Kg	10/29/25 16:02	PB170285
7005-72-3	4-Chlorophenyl-phenylether	1100		1	17.6	110	ug/Kg	10/29/25 16:02	PB170285
86-73-7	Fluorene	1100		1	16.6	110	ug/Kg	10/29/25 16:02	PB170285
100-01-6	4-Nitroaniline	1100		1	42.2	110	ug/Kg	10/29/25 16:02	PB170285
534-52-1	4,6-Dinitro-2-methylphenol	1100		1	67.7	220	ug/Kg	10/29/25 16:02	PB170285

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	10/25/25
Project:	PVWC Linear Construction	Date Received:	10/27/25
Client Sample ID:	TP-13MS	SDG No.:	Q3466
Lab Sample ID:	Q3469-01MS	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	91.1
Sample Wt/Vol:	50.08 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/28/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1200		1	21.6	110	ug/Kg	10/29/25 16:02	PB170285
101-55-3	4-Bromophenyl-phenylether	1100		1	18.3	110	ug/Kg	10/29/25 16:02	PB170285
118-74-1	Hexachlorobenzene	1100		1	16.6	110	ug/Kg	10/29/25 16:02	PB170285
1912-24-9	Atrazine	1200		1	22.4	110	ug/Kg	10/29/25 16:02	PB170285
87-86-5	Pentachlorophenol	2200	E	1	33.7	220	ug/Kg	10/29/25 16:02	PB170285
85-01-8	Phenanthrene	1100		1	13.7	110	ug/Kg	10/29/25 16:02	PB170285
120-12-7	Anthracene	1100		1	21.9	110	ug/Kg	10/29/25 16:02	PB170285
86-74-8	Carbazole	1100		1	20.5	110	ug/Kg	10/29/25 16:02	PB170285
84-74-2	Di-n-butylphthalate	1100		1	31.5	110	ug/Kg	10/29/25 16:02	PB170285
206-44-0	Fluoranthene	1100		1	19.7	110	ug/Kg	10/29/25 16:02	PB170285
129-00-0	Pyrene	1200		1	23.7	110	ug/Kg	10/29/25 16:02	PB170285
85-68-7	Butylbenzylphthalate	1200		1	47.0	110	ug/Kg	10/29/25 16:02	PB170285
91-94-1	3,3-Dichlorobenzidine	610		1	24.1	220	ug/Kg	10/29/25 16:02	PB170285
56-55-3	Benzo(a)anthracene	1300		1	15.1	110	ug/Kg	10/29/25 16:02	PB170285
218-01-9	Chrysene	1300		1	13.1	110	ug/Kg	10/29/25 16:02	PB170285
117-81-7	Bis(2-ethylhexyl)phthalate	1200		1	38.9	110	ug/Kg	10/29/25 16:02	PB170285
117-84-0	Di-n-octyl phthalate	1300		1	57.1	220	ug/Kg	10/29/25 16:02	PB170285
205-99-2	Benzo(b)fluoranthene	1300		1	12.5	110	ug/Kg	10/29/25 16:02	PB170285
207-08-9	Benzo(k)fluoranthene	1200		1	14.7	110	ug/Kg	10/29/25 16:02	PB170285
50-32-8	Benzo(a)pyrene	1300		1	19.4	110	ug/Kg	10/29/25 16:02	PB170285
193-39-5	Indeno(1,2,3-cd)pyrene	970		1	19.1	110	ug/Kg	10/29/25 16:02	PB170285
53-70-3	Dibenzo(a,h)anthracene	980		1	18.0	110	ug/Kg	10/29/25 16:02	PB170285
191-24-2	Benzo(g,h,i)perylene	890		1	16.9	110	ug/Kg	10/29/25 16:02	PB170285
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		1	16.8	110	ug/Kg	10/29/25 16:02	PB170285
123-91-1	1,4-Dioxane	940		1	29.7	110	ug/Kg	10/29/25 16:02	PB170285
58-90-2	2,3,4,6-Tetrachlorophenol	1200		1	18.0	110	ug/Kg	10/29/25 16:02	PB170285
SURROGATES									
367-12-4	2-Fluorophenol	89.0			30 (18) - 130 (112)	59%	SPK: 150		
13127-88-3	Phenol-d6	94.2			30 (15) - 130 (107)	63%	SPK: 150		
4165-60-0	Nitrobenzene-d5	61.7			30 (18) - 130 (107)	62%	SPK: 100		
321-60-8	2-Fluorobiphenyl	58.6			30 (20) - 130 (109)	59%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	92.4			30 (10) - 130 (116)	62%	SPK: 150		
1718-51-0	Terphenyl-d14	64.6			30 (10) - 130 (105)	65%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	58700							
1146-65-2	Naphthalene-d8	221000							
15067-26-2	Acenaphthene-d10	128000							
1517-22-2	Phenanthrene-d10	213000							
1719-03-5	Chrysene-d12	139000							
1520-96-3	Perylene-d12	189000							

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Project:	PVWC Linear Construction			Date Received:	10/27/25
Client Sample ID:	TP-13MS			SDG No.:	Q3466
Lab Sample ID:	Q3469-01MS			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	91.1
Sample Wt/Vol:	50.08 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	10/28/25		

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

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	10/25/25
Project:	PVWC Linear Construction	Date Received:	10/27/25
Client Sample ID:	TP-13MSD	SDG No.:	Q3466
Lab Sample ID:	Q3469-01MSD	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	91.1
Sample Wt/Vol:	50.03 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/28/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	600		1	100	220	ug/Kg	10/29/25 16:32	PB170285
108-95-2	Phenol	1100		1	14.5	110	ug/Kg	10/29/25 16:32	PB170285
111-44-4	bis(2-Chloroethyl)ether	1100		1	16.0	110	ug/Kg	10/29/25 16:32	PB170285
95-57-8	2-Chlorophenol	1100		1	16.1	110	ug/Kg	10/29/25 16:32	PB170285
95-48-7	2-Methylphenol	1200		1	19.7	110	ug/Kg	10/29/25 16:32	PB170285
108-60-1	2,2-oxybis(1-Chloropropane)	1200		1	24.7	110	ug/Kg	10/29/25 16:32	PB170285
98-86-2	Acetophenone	1200		1	19.4	110	ug/Kg	10/29/25 16:32	PB170285
65794-96-9	3+4-Methylphenols	1100		1	27.1	220	ug/Kg	10/29/25 16:32	PB170285
621-64-7	n-Nitroso-di-n-propylamine	1200		1	31.2	52.7	ug/Kg	10/29/25 16:32	PB170285
67-72-1	Hexachloroethane	1000		1	11.6	110	ug/Kg	10/29/25 16:32	PB170285
98-95-3	Nitrobenzene	1100		1	12.0	110	ug/Kg	10/29/25 16:32	PB170285
78-59-1	Isophorone	1100		1	21.6	110	ug/Kg	10/29/25 16:32	PB170285
88-75-5	2-Nitrophenol	1100		1	38.3	110	ug/Kg	10/29/25 16:32	PB170285
105-67-9	2,4-Dimethylphenol	1200		1	42.7	110	ug/Kg	10/29/25 16:32	PB170285
111-91-1	bis(2-Chloroethoxy)methane	1100		1	20.3	110	ug/Kg	10/29/25 16:32	PB170285
120-83-2	2,4-Dichlorophenol	1100		1	18.6	110	ug/Kg	10/29/25 16:32	PB170285
91-20-3	Naphthalene	1100		1	14.9	110	ug/Kg	10/29/25 16:32	PB170285
106-47-8	4-Chloroaniline	310		1	23.3	110	ug/Kg	10/29/25 16:32	PB170285
87-68-3	Hexachlorobutadiene	1000		1	16.7	110	ug/Kg	10/29/25 16:32	PB170285
105-60-2	Caprolactam	1300		1	34.3	220	ug/Kg	10/29/25 16:32	PB170285
59-50-7	4-Chloro-3-methylphenol	1200		1	18.9	110	ug/Kg	10/29/25 16:32	PB170285
91-57-6	2-Methylnaphthalene	1000		1	16.9	110	ug/Kg	10/29/25 16:32	PB170285
77-47-4	Hexachlorocyclopentadiene	2700	E	1	76.4	220	ug/Kg	10/29/25 16:32	PB170285
88-06-2	2,4,6-Trichlorophenol	1100		1	13.0	110	ug/Kg	10/29/25 16:32	PB170285
95-95-4	2,4,5-Trichlorophenol	1100		1	19.2	110	ug/Kg	10/29/25 16:32	PB170285
92-52-4	1,1-Biphenyl	1100		1	14.3	110	ug/Kg	10/29/25 16:32	PB170285
91-58-7	2-Chloronaphthalene	1100		1	14.8	110	ug/Kg	10/29/25 16:32	PB170285
88-74-4	2-Nitroaniline	1100		1	31.7	110	ug/Kg	10/29/25 16:32	PB170285
131-11-3	Dimethylphthalate	1200		1	17.8	110	ug/Kg	10/29/25 16:32	PB170285
208-96-8	Acenaphthylene	1200		1	19.0	110	ug/Kg	10/29/25 16:32	PB170285
606-20-2	2,6-Dinitrotoluene	1200		1	22.1	110	ug/Kg	10/29/25 16:32	PB170285
99-09-2	3-Nitroaniline	650		1	30.3	110	ug/Kg	10/29/25 16:32	PB170285
83-32-9	Acenaphthene	1100		1	14.0	110	ug/Kg	10/29/25 16:32	PB170285
51-28-5	2,4-Dinitrophenol	2200	E	1	150	220	ug/Kg	10/29/25 16:32	PB170285
100-02-7	4-Nitrophenol	2200	E	1	70.4	220	ug/Kg	10/29/25 16:32	PB170285
132-64-9	Dibenzofuran	1100		1	14.9	110	ug/Kg	10/29/25 16:32	PB170285
121-14-2	2,4-Dinitrotoluene	1200		1	33.0	110	ug/Kg	10/29/25 16:32	PB170285
84-66-2	Diethylphthalate	1200		1	18.6	110	ug/Kg	10/29/25 16:32	PB170285
7005-72-3	4-Chlorophenyl-phenylether	1100		1	17.6	110	ug/Kg	10/29/25 16:32	PB170285
86-73-7	Fluorene	1100		1	16.7	110	ug/Kg	10/29/25 16:32	PB170285
100-01-6	4-Nitroaniline	1100		1	42.3	110	ug/Kg	10/29/25 16:32	PB170285
534-52-1	4,6-Dinitro-2-methylphenol	1100		1	67.8	220	ug/Kg	10/29/25 16:32	PB170285

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	10/25/25
Project:	PVWC Linear Construction	Date Received:	10/27/25
Client Sample ID:	TP-13MSD	SDG No.:	Q3466
Lab Sample ID:	Q3469-01MSD	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	91.1
Sample Wt/Vol:	50.03 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/28/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1100		1	21.7	110	ug/Kg	10/29/25 16:32	PB170285
101-55-3	4-Bromophenyl-phenylether	1100		1	18.3	110	ug/Kg	10/29/25 16:32	PB170285
118-74-1	Hexachlorobenzene	1100		1	16.7	110	ug/Kg	10/29/25 16:32	PB170285
1912-24-9	Atrazine	1200		1	22.4	110	ug/Kg	10/29/25 16:32	PB170285
87-86-5	Pentachlorophenol	2200	E	1	33.8	220	ug/Kg	10/29/25 16:32	PB170285
85-01-8	Phenanthrene	1100		1	13.8	110	ug/Kg	10/29/25 16:32	PB170285
120-12-7	Anthracene	1100		1	21.9	110	ug/Kg	10/29/25 16:32	PB170285
86-74-8	Carbazole	1100		1	20.5	110	ug/Kg	10/29/25 16:32	PB170285
84-74-2	Di-n-butylphthalate	1100		1	31.5	110	ug/Kg	10/29/25 16:32	PB170285
206-44-0	Fluoranthene	1100		1	19.7	110	ug/Kg	10/29/25 16:32	PB170285
129-00-0	Pyrene	1200		1	23.7	110	ug/Kg	10/29/25 16:32	PB170285
85-68-7	Butylbenzylphthalate	1100		1	47.0	110	ug/Kg	10/29/25 16:32	PB170285
91-94-1	3,3-Dichlorobenzidine	580		1	24.2	220	ug/Kg	10/29/25 16:32	PB170285
56-55-3	Benzo(a)anthracene	1200		1	15.1	110	ug/Kg	10/29/25 16:32	PB170285
218-01-9	Chrysene	1200		1	13.1	110	ug/Kg	10/29/25 16:32	PB170285
117-81-7	Bis(2-ethylhexyl)phthalate	1200		1	39.0	110	ug/Kg	10/29/25 16:32	PB170285
117-84-0	Di-n-octyl phthalate	1200		1	57.1	220	ug/Kg	10/29/25 16:32	PB170285
205-99-2	Benzo(b)fluoranthene	1300		1	12.5	110	ug/Kg	10/29/25 16:32	PB170285
207-08-9	Benzo(k)fluoranthene	1100		1	14.7	110	ug/Kg	10/29/25 16:32	PB170285
50-32-8	Benzo(a)pyrene	1300		1	19.4	110	ug/Kg	10/29/25 16:32	PB170285
193-39-5	Indeno(1,2,3-cd)pyrene	960		1	19.2	110	ug/Kg	10/29/25 16:32	PB170285
53-70-3	Dibenzo(a,h)anthracene	970		1	18.0	110	ug/Kg	10/29/25 16:32	PB170285
191-24-2	Benzo(g,h,i)perylene	890		1	16.9	110	ug/Kg	10/29/25 16:32	PB170285
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		1	16.9	110	ug/Kg	10/29/25 16:32	PB170285
123-91-1	1,4-Dioxane	990		1	29.8	110	ug/Kg	10/29/25 16:32	PB170285
58-90-2	2,3,4,6-Tetrachlorophenol	1200		1	18.0	110	ug/Kg	10/29/25 16:32	PB170285
SURROGATES									
367-12-4	2-Fluorophenol	92.0			30 (18) - 130 (112)	61%	SPK: 150		
13127-88-3	Phenol-d6	93.0			30 (15) - 130 (107)	62%	SPK: 150		
4165-60-0	Nitrobenzene-d5	60.2			30 (18) - 130 (107)	60%	SPK: 100		
321-60-8	2-Fluorobiphenyl	59.6			30 (20) - 130 (109)	60%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	91.2			30 (10) - 130 (116)	61%	SPK: 150		
1718-51-0	Terphenyl-d14	59.5			30 (10) - 130 (105)	59%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	55400							
1146-65-2	Naphthalene-d8	217000							
15067-26-2	Acenaphthene-d10	121000							
1517-22-2	Phenanthrene-d10	206000							
1719-03-5	Chrysene-d12	148000							
1520-96-3	Perylene-d12	189000							

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

Report of Analysis

Client:	HDR, Inc.			Date Collected:	10/25/25
Project:	PVWC Linear Construction			Date Received:	10/27/25
Client Sample ID:	TP-13MSD			SDG No.:	Q3466
Lab Sample ID:	Q3469-01MSD			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	91.1
Sample Wt/Vol:	50.03 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	10/28/25		

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-BF102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 24 17:30:25 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF144056.D 5 =BF144057.D 10 =BF144058.D 20 =BF144059.D 40 =BF144060.D 50 =BF144061.D 60 =BF144064.D 80 =BF1440
63.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.723	0.494	0.485	0.550	0.519	0.572	0.481	0.546	15.58
3)		Pyridine		1.395	1.384	1.530	1.527	1.427	1.604	1.370	1.462	6.19
4)		n-Nitrosodimet...			0.805	0.963	0.912	0.835	1.017	0.860	0.899	8.98
5)	S	2-Fluorophenol		1.324	1.322	1.328	1.303	1.163	1.322	1.087	1.264	7.76
6)		Aniline		2.173	2.152	2.106	2.016	1.809	2.050	1.675	1.997	9.36
7)	S	Phenol-d6		1.548	1.443	1.481	1.408	1.289	1.412	1.193	1.396	8.56
8)		2-Chlorophenol		1.398	1.310	1.306	1.251	1.124	1.258	1.067	1.245	9.17
9)		Benzaldehyde			1.093	0.965	1.043	0.959	1.406	1.039	1.084	15.28
10)	C	Phenol		1.896	1.860	1.820	1.736	1.575	1.725	1.445	1.722	9.41
11)		bis(2-Chloroet...		1.406	1.278	1.285	1.248	1.128	1.285	1.082	1.245	8.72
12)		1,3-Dichlorobe...		1.681	1.582	1.640	1.565	1.415	1.566	1.300	1.536	8.66
13)	C	1,4-Dichlorobe...		1.645	1.567	1.592	1.551	1.371	1.575	1.295	1.513	8.52
14)		1,2-Dichlorobe...		1.588	1.548	1.534	1.480	1.355	1.520	1.225	1.464	8.81
15)		Benzyl Alcohol			1.129	1.234	1.145	1.056	1.222	1.025	1.135	7.47
16)		2,2'-oxybis(1-...		2.561	2.432	2.505	2.376	2.149	2.313	2.038	2.339	8.08
17)		2-Methylphenol		1.052	1.010	1.032	0.931	0.874	0.981	0.823	0.957	8.89
18)		Hexachloroethane		0.553	0.544	0.569	0.544	0.506	0.595	0.477	0.541	7.21
19)	P	n-Nitroso-di-n...	0.900	0.971	0.972	0.949	0.876	0.801	0.943	0.809	0.903	7.60
20)		3+4-Methylphenols			1.270	1.190	1.167	1.036	1.159	0.969	1.132	9.69
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.473	0.459	0.433	0.437	0.397	0.456	0.371	0.432	8.41
23)	S	Nitrobenzene-d5		0.377	0.378	0.374	0.368	0.335	0.393	0.330	0.365	6.48
24)		Nitrobenzene		0.395	0.384	0.404	0.392	0.360	0.417	0.351	0.386	6.05
25)		Isophorone		0.665	0.662	0.645	0.643	0.584	0.686	0.582	0.638	6.29
26)	C	2-Nitrophenol		0.190	0.184	0.196	0.191	0.167	0.194	0.165	0.184	6.96
27)		2,4-Dimethylph...		0.289	0.279	0.262	0.287	0.254	0.293	0.247	0.273	6.73
28)		bis(2-Chloroet...		0.430	0.408	0.413	0.404	0.365	0.416	0.351	0.398	7.25
29)	C	2,4-Dichloroph...		0.334	0.345	0.325	0.323	0.293	0.328	0.275	0.317	7.75
30)		1,2,4-Trichlor...		0.344	0.339	0.334	0.335	0.301	0.348	0.286	0.327	7.19
31)		Naphthalene		1.054	1.002	0.962	0.965	0.852	0.983	0.788	0.944	9.72
32)		Benzoic acid			0.217	0.200	0.146	0.147	0.168	0.162	0.173	16.81
33)		4-Chloroaniline		0.332	0.356	0.349	0.336	0.298	0.344	0.286	0.329	8.10
34)	C	Hexachlorobuta...		0.279	0.276	0.274	0.270	0.241	0.296	0.234	0.267	8.19
35)		Caprolactam			0.078	0.082	0.085	0.072	0.086	0.075	0.080	7.03
36)	C	4-Chloro-3-met...		0.302	0.289	0.285	0.282	0.257	0.296	0.250	0.280	6.98
37)		2-Methylnaphth...		0.718	0.654	0.631	0.644	0.549	0.637	0.524	0.622	10.55
38)		1-Methylnaphth...		0.685	0.627	0.591	0.591	0.524	0.611	0.499	0.590	10.60

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF102425.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.777	0.707	0.693	0.707	0.629	0.716	0.583	0.687	9.17
41)	P	Hexachlorocycl...		0.148	0.208	0.218	0.205	0.273	0.222	0.212	18.88
42)	S	2,4,6-Tribromo...	0.251	0.249	0.256	0.262	0.241	0.289	0.236	0.255	6.77
43)	C	2,4,6-Trichlor...	0.430	0.447	0.480	0.473	0.427	0.485	0.386	0.447	7.98
44)		2,4,5-Trichlor...	0.488	0.485	0.484	0.467	0.427	0.511	0.419	0.469	7.19
45)	S	2-Fluorobiphenyl	1.654	1.503	1.411	1.451	1.291	1.473	1.164	1.421	11.04
46)		1,1'-Biphenyl	1.613	1.532	1.441	1.472	1.317	1.470	1.176	1.432	10.09
47)		2-Chloronaphth...	1.336	1.264	1.233	1.222	1.101	1.250	0.989	1.199	9.68
48)		2-Nitroaniline	0.325	0.359	0.368	0.380	0.333	0.399	0.328	0.356	8.00
49)		Acenaphthylene	1.780	1.693	1.664	1.703	1.476	1.668	1.337	1.617	9.54
50)		Dimethylphthalate	1.398	1.328	1.332	1.366	1.219	1.387	1.146	1.311	7.15
51)		2,6-Dinitrotol...	0.228	0.257	0.275	0.276	0.252	0.288	0.240	0.259	8.31
52)	C	Acenaphthene	1.125	1.153	1.134	1.114	0.999	1.122	0.914	1.080	8.21
53)		3-Nitroaniline	0.276	0.294	0.293	0.322	0.281	0.301	0.250	0.288	7.79
54)	P	2,4-Dinitrophenol		0.161	0.162	0.124	0.116	0.139	0.140	0.140	13.44
55)		Dibenzofuran	1.685	1.572	1.512	1.559	1.391	1.535	1.242	1.499	9.55
56)	P	4-Nitrophenol		0.224	0.199	0.187	0.175	0.202	0.184	0.195	8.90
57)		2,4-Dinitrotol...	0.302	0.343	0.370	0.385	0.336	0.390	0.323	0.350	9.44
58)		Fluorene	1.359	1.169	1.133	1.188	1.041	1.162	0.945	1.143	11.27
59)		2,3,4,6-Tetrac...	0.317	0.318	0.333	0.360	0.322	0.366	0.297	0.330	7.53
60)		Diethylphthalate	1.286	1.264	1.244	1.290	1.145	1.318	1.083	1.233	6.98
61)		4-Chlorophenyl...	0.706	0.667	0.656	0.675	0.591	0.674	0.529	0.643	9.49
62)		4-Nitroaniline	0.262	0.266	0.275	0.296	0.260	0.299	0.253	0.273	6.70
63)		Azobenzene	1.192	1.178	1.187	1.236	1.103	1.253	1.020	1.167	6.91
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.133	0.151	0.123	0.115	0.132	0.116	0.128	10.63
66)	c	n-Nitrosodiphe...	0.716	0.666	0.657	0.643	0.590	0.659	0.542	0.639	8.82
67)		4-Bromophenyl-...	0.274	0.256	0.247	0.260	0.230	0.270	0.215	0.250	8.52
68)		Hexachlorobenzene	0.311	0.338	0.309	0.321	0.275	0.328	0.268	0.307	8.59
69)		Atrazine	0.229	0.223	0.218	0.208	0.185	0.235	0.169	0.210	11.52
70)	C	Pentachlorophenol		0.123	0.149	0.150	0.143	0.168	0.144	0.146	9.94
71)		Phenanthrene	1.073	1.040	1.009	1.017	0.918	1.043	0.854	0.994	7.89
72)		Anthracene	1.171	1.077	1.029	1.053	0.932	1.065	0.857	1.026	10.01
73)		Carbazole	0.943	0.920	0.883	0.905	0.818	0.907	0.737	0.874	8.20
74)		Di-n-butylphth...	1.090	1.091	1.116	1.118	1.002	1.135	0.945	1.071	6.58
75)	C	Fluoranthene	1.171	1.151	1.121	1.123	0.997	1.167	0.954	1.098	7.88
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.689	0.614	0.665	0.513	0.787	0.466	0.622	18.99
78)		Pyrene	1.603	1.466	1.426	1.521	1.295	1.519	1.236	1.438	9.08
79)	S	Terphenyl-d14	1.280	1.134	1.121	1.212	1.002	1.241	1.018	1.144	9.39
80)		Butylbenzylpht...	0.508	0.542	0.566	0.601	0.494	0.595	0.501	0.544	8.25
81)		Benzo(a)anthra...	1.341	1.322	1.359	1.516	1.206	1.492	1.226	1.352	8.79
82)		3,3'-Dichlorob...		0.469	0.485	0.510	0.404	0.529	0.427	0.470	10.21
83)		Chrysene	1.330	1.263	1.253	1.319	1.179	1.366	1.170	1.268	5.93
84)		Bis(2-ethylhex...	0.745	0.725	0.761	0.795	0.690	0.813	0.670	0.743	7.01
85)	c	Di-n-octyl pht...		1.228	1.295	1.399	1.179	1.382	1.180	1.277	7.65

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF102425.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.351	1.331	1.394	1.477	1.295	1.501	1.263	1.373	6.53
88)		Benzo(b)fluora...	1.134	1.108	1.153	1.264	1.055	1.151	1.050	1.131	6.39
89)		Benzo(k)fluora...	1.206	1.077	1.010	1.059	0.906	1.157	0.886	1.043	11.44
90)	C	Benzo(a)pyrene	1.049	0.990	1.036	1.089	0.942	1.086	0.909	1.014	6.88
91)		Dibenzo(a,h)an...	1.058	1.061	1.107	1.166	1.024	1.195	0.997	1.087	6.72
92)		Benzo(g,h,i)pe...	1.051	1.051	1.124	1.195	1.023	1.192	1.015	1.093	7.08

(#) = Out of Range

Response Factor Report GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Nov 03 18:16:26 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BG064569.D 5 =BG064570.D 10 =BG064571.D 20 =BG064572.D 40 =BG064573.D 50 =BG064576.D 60 =BG064574.D 80 =BG0645
75.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.570	0.581	0.524	0.525	0.474	0.559	0.460	0.528	8.85
3)		Pyridine		1.630	1.608	1.552	1.669	1.471	1.733	1.427	1.584	6.84
4)		n-Nitrosodimet...			0.912	0.807	0.900	0.780	0.921	0.776	0.850	8.08
5)	S	2-Fluorophenol		1.098	1.207	1.155	1.292	1.139	1.318	1.132	1.192	7.09
6)		Aniline		2.203	2.320	2.131	2.386	2.090	2.440	2.004	2.225	7.28
7)	S	Phenol-d6		1.469	1.654	1.566	1.771	1.597	1.864	1.524	1.635	8.55
8)		2-Chlorophenol		1.051	1.207	1.197	1.373	1.225	1.461	1.216	1.247	10.65
9)		Benzaldehyde			0.942	0.994	0.940	0.836	0.981	0.662	0.893	14.09
10)	C	Phenol		1.665	1.820	1.748	1.944	1.761	2.027	1.693	1.808	7.36
11)		bis(2-Chloroet...		1.307	1.409	1.292	1.383	1.273	1.443	1.198	1.329	6.47
12)		1,3-Dichlorobe...		1.435	1.516	1.394	1.520	1.342	1.542	1.299	1.435	6.62
13)	C	1,4-Dichlorobe...		1.431	1.546	1.442	1.534	1.381	1.561	1.323	1.460	6.21
14)		1,2-Dichlorobe...		1.371	1.518	1.364	1.483	1.316	1.520	1.283	1.408	6.97
15)		Benzyl Alcohol			1.281	1.263	1.425	1.306	1.533	1.283	1.348	7.97
16)		2,2'-oxybis(1-...		3.421	3.604	3.396	3.733	3.301	3.802	3.154	3.487	6.74
17)		2-Methylphenol		1.103	1.225	1.178	1.273	1.159	1.345	1.120	1.201	7.22
18)		Hexachloroethane		0.468	0.535	0.505	0.541	0.496	0.557	0.483	0.512	6.41
19)	P	n-Nitroso-di-n...	1.044	1.038	1.141	1.129	1.227	1.115	1.289	1.057	1.130	7.93
20)		3+4-Methylphenols			1.652	1.581	1.818	1.612	1.895	1.571	1.688	8.04
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.535	0.565	0.528	0.584	0.516	0.590	0.509	0.547	6.04
23)	S	Nitrobenzene-d5		0.239	0.286	0.314	0.377	0.356	0.403	0.356	0.333	17.02
24)		Nitrobenzene		0.274	0.312	0.344	0.410	0.377	0.438	0.380	0.362	15.64
25)		Isophorone		0.751	0.796	0.771	0.869	0.764	0.891	0.751	0.799	7.25
26)	C	2-Nitrophenol		0.076	0.095	0.110	0.137	0.135	0.152	0.144	0.121	23.20
27)		2,4-Dimethylph...		0.236	0.294	0.285	0.335	0.297	0.343	0.290	0.297	11.93
28)		bis(2-Chloroet...		0.452	0.464	0.443	0.490	0.426	0.493	0.417	0.455	6.48
29)	C	2,4-Dichloroph...		0.243	0.299	0.315	0.360	0.327	0.373	0.322	0.320	13.34
30)		1,2,4-Trichlor...		0.338	0.369	0.348	0.391	0.349	0.399	0.349	0.363	6.44
31)		Naphthalene		1.083	1.144	1.084	1.177	1.036	1.201	1.037	1.109	5.96
32)		Benzoic acid			0.142	0.164	0.223	0.215	0.260	0.237	0.207	21.74
33)		4-Chloroaniline		0.390	0.456	0.411	0.459	0.410	0.486	0.405	0.431	8.29
34)	C	Hexachlorobuta...		0.266	0.291	0.282	0.299	0.271	0.306	0.273	0.284	5.33
35)		Caprolactam			0.112	0.114	0.134	0.118	0.142	0.116	0.123	9.85
36)	C	4-Chloro-3-met...		0.323	0.381	0.361	0.426	0.376	0.454	0.370	0.384	11.18
37)		2-Methylnaphth...		0.764	0.858	0.797	0.865	0.772	0.888	0.755	0.814	6.74
38)		1-Methylnaphth...		0.798	0.849	0.776	0.853	0.752	0.878	0.735	0.806	6.85

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG102425.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.657	0.684	0.648	0.702	0.633	0.717	0.657	0.671	4.55
41)	P	Hexachlorocycl...		0.268	0.279	0.324	0.297	0.340	0.305	0.302	8.97
42)	S	2,4,6-Tribromo...	0.221	0.266	0.272	0.318	0.292	0.346	0.306	0.289	14.04
43)	C	2,4,6-Trichlor...	0.294	0.333	0.375	0.423	0.399	0.456	0.408	0.384	14.41
44)		2,4,5-Trichlor...	0.339	0.425	0.439	0.484	0.443	0.517	0.454	0.443	12.48
45)	S	2-Fluorobiphenyl	1.310	1.389	1.306	1.384	1.235	1.384	1.228	1.319	5.24
46)		1,1'-Biphenyl	1.456	1.450	1.401	1.489	1.326	1.498	1.333	1.422	4.98
47)		2-Chloronaphth...	1.065	1.082	1.053	1.132	1.013	1.145	1.023	1.073	4.71
48)		2-Nitroaniline	0.201	0.234	0.277	0.348	0.343	0.404	0.367	0.311	24.06
49)		Acenaphthylene	1.667	1.726	1.647	1.786	1.593	1.827	1.604	1.693	5.30
50)		Dimethylphthalate	1.389	1.570	1.488	1.641	1.462	1.699	1.462	1.530	7.21
51)		2,6-Dinitrotol...	0.127	0.180	0.193	0.247	0.244	0.283	0.254	0.218	24.69
52)	C	Acenaphthene	1.126	1.178	1.115	1.223	1.093	1.261	1.101	1.157	5.63
53)		3-Nitroaniline	0.180	0.211	0.252	0.294	0.281	0.325	0.297	0.263	19.70
54)	P	2,4-Dinitrophenol		0.086	0.110	0.137	0.139	0.165	0.154	0.132	22.11
55)		Dibenzofuran	1.881	1.972	1.826	1.963	1.734	1.988	1.725	1.870	5.96
56)	P	4-Nitrophenol		0.191	0.213	0.261	0.250	0.283	0.267	0.244	14.40
57)		2,4-Dinitrotol...	0.223	0.269	0.300	0.385	0.373	0.434	0.396	0.340	22.67
58)		Fluorene	1.471	1.559	1.426	1.531	1.356	1.549	1.329	1.460	6.38
59)		2,3,4,6-Tetrac...	0.312	0.385	0.402	0.466	0.444	0.508	0.449	0.424	15.04
60)		Diethylphthalate	1.417	1.645	1.514	1.657	1.486	1.718	1.502	1.563	7.06
61)		4-Chlorophenyl...	0.800	0.864	0.792	0.866	0.763	0.888	0.763	0.820	6.38
62)		4-Nitroaniline	0.194	0.252	0.286	0.327	0.310	0.355	0.324	0.293	18.55
63)		Azobenzene	1.362	1.504	1.377	1.538	1.338	1.564	1.353	1.434	6.80
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.055	0.064	0.083	0.083	0.097	0.093	0.079	21.00
66)	c	n-Nitrosodiphe...	0.510	0.551	0.525	0.583	0.518	0.594	0.500	0.540	6.79
67)		4-Bromophenyl-...	0.218	0.236	0.230	0.258	0.229	0.264	0.224	0.237	7.28
68)		Hexachlorobenzene	0.254	0.266	0.262	0.292	0.260	0.302	0.256	0.270	6.99
69)		Atrazine	0.215	0.227	0.249	0.245	0.219	0.261	0.211	0.232	8.27
70)	C	Pentachlorophenol		0.132	0.152	0.180	0.172	0.199	0.177	0.169	13.91
71)		Phenanthrene	1.084	1.133	1.073	1.162	1.020	1.179	1.005	1.094	6.17
72)		Anthracene	1.087	1.144	1.101	1.187	1.041	1.204	1.025	1.113	6.17
73)		Carbazole	0.982	1.037	0.982	1.031	0.910	1.028	0.897	0.981	5.90
74)		Di-n-butylphth...	1.011	1.156	1.179	1.240	1.084	1.198	1.075	1.134	7.11
75)	C	Fluoranthene	1.385	1.463	1.380	1.440	1.273	1.403	1.247	1.370	5.91
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.392	0.475	0.490	0.416	0.533	0.383	0.448	13.40
78)		Pyrene	1.287	1.331	1.284	1.411	1.233	1.406	1.196	1.307	6.24
79)	S	Terphenyl-d14	1.074	1.120	1.066	1.142	0.987	1.102	0.928	1.060	7.21
80)		Butylbenzylpht...	0.284	0.359	0.388	0.450	0.408	0.467	0.410	0.395	15.43
81)		Benzo(a)anthra...	1.294	1.355	1.292	1.416	1.253	1.430	1.243	1.326	5.71
82)		3,3'-Dichlorob...		0.418	0.428	0.477	0.424	0.486	0.424	0.443	6.88
83)		Chrysene	1.249	1.291	1.229	1.344	1.188	1.359	1.173	1.262	5.76
84)		Bis(2-ethylhex...	0.484	0.555	0.581	0.671	0.585	0.667	0.588	0.590	10.95
85)	c	Di-n-octyl pht...		0.871	0.932	1.087	0.976	1.117	0.986	0.995	9.32

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG102425.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.383	1.491	1.410	1.568	1.396	1.642	1.410	1.471	6.80
88)		Benzo(b)fluora...	1.138	1.246	1.169	1.322	1.173	1.353	1.183	1.226	6.77
89)		Benzo(k)fluora...	1.175	1.260	1.206	1.285	1.151	1.364	1.149	1.227	6.51
90)	C	Benzo(a)pyrene	1.061	1.144	1.093	1.202	1.067	1.246	1.079	1.127	6.42
91)		Dibenzo(a,h)an...	1.120	1.223	1.158	1.268	1.130	1.324	1.143	1.195	6.55
92)		Benzo(g,h,i)pe...	1.080	1.162	1.089	1.213	1.078	1.280	1.092	1.142	6.95

(#) = Out of Range

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP102925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Oct 30 11:51:34 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP026028.D 5 =BP026029.D 10 =BP026030.D 20 =BP026031.D 40 =BP026032.D 50 =BP026033.D 60 =BP026034.D 80 =BP0260
35.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.472	0.567	0.519	0.515	0.453	0.541	0.510	0.511	7.57
3)		Pyridine		1.330	1.538	1.488	1.481	1.304	1.552	1.475	1.453	6.69
4)		n-Nitrosodimet...			0.601	0.591	0.584	0.522	0.611	0.584	0.582	5.39
5)	S	2-Fluorophenol		1.055	1.255	1.234	1.249	1.123	1.318	1.250	1.212	7.44
6)		Aniline		1.893	2.157	2.117	2.112	1.885	2.158	2.091	2.059	5.76
7)	S	Phenol-d6		1.366	1.580	1.574	1.606	1.425	1.644	1.604	1.543	6.77
8)		2-Chlorophenol		1.116	1.354	1.356	1.403	1.262	1.478	1.426	1.342	8.97
9)		Benzaldehyde			0.856	0.937	0.809	0.670	0.796	0.744	0.802	11.45
10)	C	Phenol		1.542	1.771	1.750	1.773	1.568	1.823	1.761	1.713	6.44
11)		bis(2-Chloroet...		1.271	1.434	1.372	1.373	1.228	1.419	1.363	1.352	5.57
12)		1,3-Dichlorobe...		1.466	1.660	1.572	1.573	1.385	1.610	1.524	1.541	6.00
13)	C	1,4-Dichlorobe...		1.491	1.681	1.585	1.578	1.399	1.633	1.542	1.558	5.97
14)		1,2-Dichlorobe...		1.412	1.595	1.517	1.515	1.338	1.550	1.481	1.487	5.83
15)		Benzyl Alcohol			1.070	1.099	1.140	1.020	1.179	1.165	1.112	5.47
16)		2,2'-oxybis(1-...		1.978	2.210	2.102	2.099	1.846	2.083	1.982	2.043	5.75
17)		2-Methylphenol		0.958	1.129	1.145	1.175	1.057	1.210	1.176	1.121	7.75
18)		Hexachloroethane		0.481	0.562	0.535	0.552	0.490	0.568	0.546	0.533	6.49
19)	P	n-Nitroso-di-n...	0.795	0.894	1.013	1.016	1.027	0.904	1.025	0.986	0.958	8.83
20)		3+4-Methylphenols			1.521	1.557	1.613	1.430	1.646	1.595	1.560	4.96
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.481	0.548	0.519	0.518	0.455	0.525	0.494	0.506	6.14
23)	S	Nitrobenzene-d5		0.256	0.317	0.327	0.338	0.306	0.359	0.343	0.321	10.34
24)		Nitrobenzene		0.282	0.345	0.346	0.357	0.317	0.371	0.354	0.339	8.83
25)		Isophorone		0.606	0.721	0.705	0.720	0.632	0.730	0.693	0.687	7.03
26)	C	2-Nitrophenol		0.069	0.092	0.107	0.128	0.124			0.104	23.21
27)		2,4-Dimethylph...		0.243	0.306	0.281	0.302	0.269	0.315	0.305	0.289	8.90
28)		bis(2-Chloroet...		0.406	0.466	0.436	0.447	0.396	0.451	0.427	0.433	5.79
29)	C	2,4-Dichloroph...		0.241	0.302	0.308	0.327	0.292	0.340	0.324	0.305	10.75
30)		1,2,4-Trichlor...		0.306	0.361	0.337	0.339	0.301	0.347	0.328	0.331	6.52
31)		Naphthalene		1.039	1.181	1.121	1.115	0.978	1.137	1.063	1.091	6.28
32)		Benzoic acid			0.100	0.127	0.168	0.162	0.206	0.213	0.163	26.84
33)		4-Chloroaniline		0.374	0.440	0.427	0.437	0.384	0.445	0.427	0.419	6.80
34)	C	Hexachlorobuta...		0.198	0.231	0.209	0.216	0.190	0.222	0.207	0.211	6.70
35)		Caprolactam			0.099	0.103	0.113	0.099	0.116	0.112	0.107	6.98
36)	C	4-Chloro-3-met...		0.257	0.314	0.325	0.345	0.303	0.356	0.337	0.320	10.33
37)		2-Methylnaphth...		0.717	0.823	0.771	0.795	0.694	0.793	0.750	0.763	6.02
38)		1-Methylnaphth...		0.709	0.801	0.754	0.768	0.663	0.770	0.726	0.742	6.19

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP102925.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.574	0.670	0.637	0.632	0.565	0.654	0.619	0.621	6.33
41)	P	Hexachlorocycl...		0.200	0.198	0.237	0.218	0.260	0.251	0.227	11.46
42)	S	2,4,6-Tribromo...	0.155	0.211	0.218	0.236	0.209	0.250	0.234	0.216	14.19
43)	C	2,4,6-Trichlor...	0.256	0.342	0.372	0.402	0.360	0.427	0.413	0.367	15.70
44)		2,4,5-Trichlor...	0.309	0.414	0.425	0.456	0.405	0.469	0.456	0.419	12.90
45)	S	2-Fluorobiphenyl	1.350	1.549	1.454	1.421	1.231	1.432	1.307	1.392	7.53
46)		1,1'-Biphenyl	1.454	1.673	1.577	1.560	1.378	1.585	1.493	1.531	6.36
47)		2-Chloronaphth...	1.130	1.304	1.248	1.229	1.090	1.253	1.180	1.205	6.23
48)		2-Nitroaniline	0.166	0.226	0.269	0.304	0.277	0.332	0.329	0.272	21.95
49)		Acenaphthylene	1.547	1.845	1.832	1.832	1.618	1.876	1.742	1.756	7.23
50)		Dimethylphthalate	1.282	1.574	1.491	1.522	1.323	1.554	1.438	1.455	7.81
51)		2,6-Dinitrotol...	0.142	0.196	0.234	0.264	0.245	0.294	0.287	0.237	22.61
52)	C	Acenaphthene	1.101	1.285	1.247	1.249	1.089	1.278	1.192	1.206	6.77
53)		3-Nitroaniline	0.177	0.254	0.296	0.324	0.295	0.351	0.342	0.291	20.65
54)	P	2,4-Dinitrophenol		0.069	0.082	0.100	0.096	0.123	0.126	0.100	22.44
55)		Dibenzofuran	1.725	1.997	1.886	1.869	1.614	1.884	1.776	1.822	6.94
56)	P	4-Nitrophenol		0.277	0.309	0.285	0.258	0.310	0.301	0.290	7.04
57)		2,4-Dinitrotol...	0.195	0.288	0.340	0.393	0.360	0.433	0.418	0.347	23.95
58)		Fluorene	1.347	1.621	1.501	1.450	1.260	1.492	1.319	1.427	8.77
59)		2,3,4,6-Tetrac...	0.223	0.303	0.332	0.364	0.328	0.386	0.370	0.330	16.67
60)		Diethylphthalate	1.240	1.570	1.484	1.549	1.350	1.591	1.454	1.463	8.74
61)		4-Chlorophenyl...	0.699	0.803	0.736	0.731	0.623	0.739	0.658	0.713	8.29
62)		4-Nitroaniline	0.207	0.294	0.328	0.342	0.298	0.368	0.339	0.311	16.92
63)		Azobenzene	1.206	1.475	1.365	1.379	1.188	1.387	1.279	1.325	7.90
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.053	0.065	0.076	0.075	0.096	0.096	0.077	22.06
66)	c	n-Nitrosodiphe...	0.574	0.678	0.641	0.647	0.567	0.659	0.611	0.625	6.80
67)		4-Bromophenyl-...	0.206	0.234	0.222	0.228	0.204	0.237	0.222	0.222	5.77
68)		Hexachlorobenzene	0.239	0.273	0.256	0.258	0.226	0.268	0.247	0.253	6.53
69)		Atrazine	0.177	0.213	0.221	0.219	0.193	0.239	0.216	0.211	9.57
70)	C	Pentachlorophenol		0.126	0.143	0.161	0.148	0.178	0.170	0.154	12.39
71)		Phenanthrene	1.133	1.288	1.209	1.189	1.031	1.195	1.105	1.164	7.12
72)		Anthracene	1.064	1.262	1.195	1.177	1.044	1.220	1.115	1.154	7.09
73)		Carbazole	0.985	1.172	1.164	1.129	0.969	1.148	1.078	1.092	7.74
74)		Di-n-butylphth...	0.937	1.219	1.241	1.333	1.196	1.378	1.252	1.222	11.57
75)	C	Fluoranthene	1.259	1.469	1.426	1.411	1.224	1.422	1.295	1.358	7.09
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.411	0.508	0.517	0.451	0.598	0.560	0.508	13.50
78)		Pyrene	1.201	1.488	1.395	1.427	1.217	1.431	1.310	1.353	8.25
79)	S	Terphenyl-d14	0.953	1.125	1.013	1.014	0.860	1.019	0.908	0.984	8.77
80)		Butylbenzylpht...	0.235	0.337	0.407	0.496	0.468	0.559	0.520	0.432	26.44
81)		Benzo(a)anthra...	1.279	1.497	1.407	1.420	1.224	1.443	1.350	1.374	6.97
82)		3,3'-Dichlorob...		0.390	0.424	0.462	0.416	0.497	0.467	0.443	8.87
83)		Chrysene	1.210	1.424	1.348	1.345	1.169	1.349	1.268	1.302	6.92
84)		Bis(2-ethylhex...	0.453	0.613	0.690	0.829	0.768	0.866	0.808	0.718	20.27
85)	c	Di-n-octyl pht...		0.822	1.025	1.287	1.238	1.407	1.364	1.191	18.86

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP102925.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.190	1.491	1.538	1.563	1.369	1.629	1.555	1.477	10.15
88)		Benzo(b)fluora...	1.074	1.277	1.278	1.306	1.149	1.345	1.262	1.242	7.67
89)		Benzo(k)fluora...	1.119	1.365	1.306	1.331	1.141	1.347	1.267	1.268	7.86
90)	C	Benzo(a)pyrene	0.941	1.169	1.171	1.210	1.054	1.253	1.186	1.141	9.38
91)		Dibenzo(a,h)an...	0.978	1.219	1.249	1.274	1.117	1.320	1.255	1.202	9.72
92)		Benzo(g,h,i)pe...	0.966	1.167	1.219	1.212	1.068	1.259	1.204	1.156	8.92

(#) = 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.: Q3466

Instrument ID: BNA_F Calibration Date/Time: 10/29/2025 11:30

Lab File ID: BF144121.D Init. Calib. Date(s): 10/24/2025 10/24/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:13 16:24

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.264	1.346		6.5	
Benzaldehyde	1.084	1.051		-3.0	
Phenol-d6	1.396	1.460		4.6	
Phenol	1.722	1.843		7.0	20.0
bis(2-Chloroethyl)ether	1.245	1.332		7.0	
2-Chlorophenol	1.245	1.284		3.1	
2-Methylphenol	0.957	1.014		6.0	
2,2-oxybis(1-Chloropropane)	2.339	2.460		5.2	
Acetophenone	0.432	0.429		-0.7	
3+4-Methylphenols	1.132	1.224		8.1	
n-Nitroso-di-n-propylamine	0.903	0.927	0.050	2.7	
Nitrobenzene-d5	0.365	0.361		-1.1	
Hexachloroethane	0.541	0.545		0.7	
Nitrobenzene	0.386	0.394		2.1	
Isophorone	0.638	0.649		1.7	
2-Nitrophenol	0.184	0.193		4.9	20.0
2,4-Dimethylphenol	0.273	0.290		6.2	
bis(2-Chloroethoxy)methane	0.398	0.409		2.8	
2,4-Dichlorophenol	0.317	0.328		3.5	20.0
Naphthalene	0.944	0.957		1.4	
4-Chloroaniline	0.329	0.349		6.1	
Hexachlorobutadiene	0.267	0.260		-2.6	20.0
Caprolactam	0.080	0.084		5.0	
4-Chloro-3-methylphenol	0.280	0.296		5.7	20.0
2-Methylnaphthalene	0.622	0.630		1.3	
Hexachlorocyclopentadiene	0.212	0.181	0.050	-14.6	
2,4,6-Trichlorophenol	0.447	0.466		4.3	20.0
2-Fluorobiphenyl	1.421	1.368		-3.7	
2,4,5-Trichlorophenol	0.469	0.490		4.5	
1,1-Biphenyl	1.432	1.430		-0.1	
2-Chloronaphthalene	1.199	1.242		3.6	
2-Nitroaniline	0.356	0.357		0.3	
Dimethylphthalate	1.311	1.355		3.4	
Acenaphthylene	1.617	1.679		3.8	
2,6-Dinitrotoluene	0.259	0.272		5.0	
3-Nitroaniline	0.288	0.311		8.0	
Acenaphthene	1.080	1.076		-0.4	20.0
2,4-Dinitrophenol	0.140	0.135	0.050	-3.6	
4-Nitrophenol	0.195	0.193	0.050	-1.0	

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.: Q3466

Instrument ID: BNA_F Calibration Date/Time: 10/29/2025 11:30

Lab File ID: BF144121.D Init. Calib. Date(s): 10/24/2025 10/24/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:13 16:24

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.499	1.529		2.0	
2,4-Dinitrotoluene	0.350	0.369		5.4	
Diethylphthalate	1.233	1.231		-0.2	
4-Chlorophenyl-phenylether	0.643	0.660		2.6	
Fluorene	1.143	1.160		1.5	
4-Nitroaniline	0.273	0.277		1.5	
4,6-Dinitro-2-methylphenol	0.128	0.128		0.0	
n-Nitrosodiphenylamine	0.639	0.669		4.7	20.0
2,4,6-Tribromophenol	0.255	0.252		-1.2	
4-Bromophenyl-phenylether	0.250	0.265		6.0	
Hexachlorobenzene	0.307	0.310		1.0	
Atrazine	0.210	0.208		-1.0	
Pentachlorophenol	0.146	0.162		11.0	20.0
Phenanthrene	0.994	1.031		3.7	
Anthracene	1.026	1.051		2.4	
Carbazole	0.874	0.888		1.6	
Di-n-butylphthalate	1.071	1.096		2.3	
Fluoranthene	1.098	1.097		-0.1	20.0
Pyrene	1.438	1.509		4.9	
Terphenyl-d14	1.144	1.166		1.9	
Butylbenzylphthalate	0.544	0.562		3.3	
3,3-Dichlorobenzidine	0.470	0.520		10.6	
Benzo(a)anthracene	1.352	1.439		6.4	
Chrysene	1.268	1.339		5.6	
Bis(2-ethylhexyl)phthalate	0.743	0.791		6.5	
Di-n-octyl phthalate	1.277	1.456		14.0	20.0
Benzo(b)fluoranthene	1.131	1.146		1.3	
Benzo(k)fluoranthene	1.043	1.131		8.4	
Benzo(a)pyrene	1.014	1.085		7.0	20.0
Indeno(1,2,3-cd)pyrene	1.373	1.487		8.3	
Dibenzo(a,h)anthracene	1.087	1.186		9.1	
Benzo(g,h,i)perylene	1.093	1.183		8.2	
1,2,4,5-Tetrachlorobenzene	0.687	0.695		1.2	
1,4-Dioxane	0.546	0.560		2.6	20.0
2,3,4,6-Tetrachlorophenol	0.330	0.352		6.7	

All other compounds must meet a minimum RRF of 0.010.

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.: Q3466

Instrument ID: BNA_G Calibration Date/Time: 10/29/2025 11:22

Lab File ID: BG064618.D Init. Calib. Date(s): 10/24/2025 10/24/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:00 15:32

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.192	1.266		6.2	
Benzaldehyde	0.893	0.838		-6.2	
Phenol-d6	1.635	1.656		1.3	
Phenol	1.808	1.838		1.7	20.0
bis(2-Chloroethyl)ether	1.329	1.382		4.0	
2-Chlorophenol	1.247	1.377		10.4	
2-Methylphenol	1.201	1.261		5.0	
2,2-oxybis(1-Chloropropane)	3.487	3.674		5.4	
Acetophenone	0.547	0.581		6.2	
3+4-Methylphenols	1.688	1.742		3.2	
n-Nitroso-di-n-propylamine	1.130	1.223	0.050	8.2	
Nitrobenzene-d5	0.333	0.401		20.4	
Hexachloroethane	0.512	0.567		10.7	
Nitrobenzene	0.362	0.429		18.5	
Isophorone	0.799	0.833		4.3	
2-Nitrophenol	0.121	0.168		38.8	20.0
2,4-Dimethylphenol	0.297	0.311		4.7	
bis(2-Chloroethoxy)methane	0.455	0.480		5.5	
2,4-Dichlorophenol	0.320	0.352		10.0	20.0
Naphthalene	1.109	1.159		4.5	
4-Chloroaniline	0.431	0.435		0.9	
Hexachlorobutadiene	0.284	0.322		13.4	20.0
Caprolactam	0.123	0.108		-12.2	
4-Chloro-3-methylphenol	0.384	0.389		1.3	20.0
2-Methylnaphthalene	0.814	0.836		2.7	
Hexachlorocyclopentadiene	0.302	0.400	0.050	32.5	
2,4,6-Trichlorophenol	0.384	0.455		18.5	20.0
2-Fluorobiphenyl	1.319	1.473		11.7	
2,4,5-Trichlorophenol	0.443	0.492		11.1	
1,1-Biphenyl	1.422	1.535		7.9	
2-Chloronaphthalene	1.073	1.175		9.5	
2-Nitroaniline	0.311	0.378		21.5	
Dimethylphthalate	1.530	1.552		1.4	
Acenaphthylene	1.693	1.770		4.5	
2,6-Dinitrotoluene	0.218	0.272		24.8	
3-Nitroaniline	0.263	0.288		9.5	
Acenaphthene	1.157	1.225		5.9	20.0
2,4-Dinitrophenol	0.132	0.164	0.050	24.2	
4-Nitrophenol	0.244	0.241	0.050	-1.2	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG No.: Q3466

Instrument ID: BNA_G Calibration Date/Time: 10/29/2025 11:22

Lab File ID: BG064618.D Init. Calib. Date(s): 10/24/2025 10/24/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:00 15:32

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.870	1.930		3.2	
2,4-Dinitrotoluene	0.340	0.396		16.5	
Diethylphthalate	1.563	1.507		-3.6	
4-Chlorophenyl-phenylether	0.820	0.840		2.4	
Fluorene	1.460	1.476		1.1	
4-Nitroaniline	0.293	0.306		4.4	
4,6-Dinitro-2-methylphenol	0.079	0.104		31.6	
n-Nitrosodiphenylamine	0.540	0.582		7.8	20.0
2,4,6-Tribromophenol	0.289	0.312		8.0	
4-Bromophenyl-phenylether	0.237	0.262		10.5	
Hexachlorobenzene	0.270	0.300		11.1	
Atrazine	0.232	0.233		0.4	
Pentachlorophenol	0.169	0.189		11.8	20.0
Phenanthrene	1.094	1.132		3.5	
Anthracene	1.113	1.125		1.1	
Carbazole	0.981	0.970		-1.1	
Di-n-butylphthalate	1.135	1.140		0.4	
Fluoranthene	1.370	1.343		-2.0	20.0
Pyrene	1.307	1.322		1.1	
Terphenyl-d14	1.060	1.074		1.3	
Butylbenzylphthalate	0.395	0.462		17.0	
3,3-Dichlorobenzidine	0.443	0.484		9.3	
Benzo(a)anthracene	1.326	1.395		5.2	
Chrysene	1.262	1.298		2.9	
Bis(2-ethylhexyl)phthalate	0.590	0.671		13.7	
Di-n-octyl phthalate	0.995	1.203		20.9	20.0
Benzo(b)fluoranthene	1.226	1.236		0.8	
Benzo(k)fluoranthene	1.227	1.235		0.7	
Benzo(a)pyrene	1.127	1.157		2.7	20.0
Indeno(1,2,3-cd)pyrene	1.471	1.519		3.3	
Dibenzo(a,h)anthracene	1.195	1.241		3.8	
Benzo(g,h,i)perylene	1.142	1.182		3.5	
1,2,4,5-Tetrachlorobenzene	0.671	0.754		12.4	
1,4-Dioxane	0.528	0.560		6.1	20.0
2,3,4,6-Tetrachlorophenol	0.424	0.469		10.6	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG No.: Q3466

Instrument ID: BNA_P Calibration Date/Time: 10/30/2025 11:15

Lab File ID: BP026039.D Init. Calib. Date(s): 10/29/2025 10/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:26 14:13

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.212	1.236		2.0	
Benzaldehyde	0.802	0.773		-3.6	
Phenol-d6	1.543	1.568		1.6	
Phenol	1.713	1.727		0.8	20.0
bis(2-Chloroethyl)ether	1.352	1.357		0.4	
2-Chlorophenol	1.342	1.357		1.1	
2-Methylphenol	1.121	1.140		1.7	
2,2-oxybis(1-Chloropropane)	2.043	2.012		-1.5	
Acetophenone	0.506	0.513		1.4	
3+4-Methylphenols	1.560	1.546		-0.9	
n-Nitroso-di-n-propylamine	0.958	0.982	0.050	2.5	
Nitrobenzene-d5	0.321	0.339		5.6	
Hexachloroethane	0.533	0.539		1.1	
Nitrobenzene	0.339	0.357		5.3	
Isophorone	0.687	0.694		1.0	
2-Nitrophenol	0.104	0.120		15.4	20.0
2,4-Dimethylphenol	0.289	0.295		2.1	
bis(2-Chloroethoxy)methane	0.433	0.440		1.6	
2,4-Dichlorophenol	0.305	0.317		3.9	20.0
Naphthalene	1.091	1.115		2.2	
4-Chloroaniline	0.419	0.436		4.1	
Hexachlorobutadiene	0.211	0.216		2.4	20.0
Caprolactam	0.107	0.107		0.0	
4-Chloro-3-methylphenol	0.320	0.331		3.4	20.0
2-Methylnaphthalene	0.763	0.775		1.6	
Hexachlorocyclopentadiene	0.227	0.218	0.050	-4.0	
2,4,6-Trichlorophenol	0.367	0.385		4.9	20.0
2-Fluorobiphenyl	1.392	1.414		1.6	
2,4,5-Trichlorophenol	0.419	0.437		4.3	
1,1-Biphenyl	1.531	1.547		1.0	
2-Chloronaphthalene	1.205	1.220		1.2	
2-Nitroaniline	0.272	0.295		8.5	
Dimethylphthalate	1.455	1.472		1.2	
Acenaphthylene	1.756	1.798		2.4	
2,6-Dinitrotoluene	0.237	0.261		10.1	
3-Nitroaniline	0.291	0.324		11.3	
Acenaphthene	1.206	1.238		2.7	20.0
2,4-Dinitrophenol	0.100	0.093	0.050	-7.0	
4-Nitrophenol	0.290	0.274	0.050	-5.5	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG No.: Q3466

Instrument ID: BNA_P Calibration Date/Time: 10/30/2025 11:15

Lab File ID: BP026039.D Init. Calib. Date(s): 10/29/2025 10/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:26 14:13

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.822	1.845		1.3	
2,4-Dinitrotoluene	0.347	0.384		10.7	
Diethylphthalate	1.463	1.454		-0.6	
4-Chlorophenyl-phenylether	0.713	0.709		-0.6	
Fluorene	1.427	1.447		1.4	
4-Nitroaniline	0.311	0.342		10.0	
4,6-Dinitro-2-methylphenol	0.077	0.073		-5.2	
n-Nitrosodiphenylamine	0.625	0.625		0.0	20.0
2,4,6-Tribromophenol	0.216	0.226		4.6	
4-Bromophenyl-phenylether	0.222	0.222		0.0	
Hexachlorobenzene	0.253	0.256		1.2	
Atrazine	0.211	0.209		-0.9	
Pentachlorophenol	0.154	0.151		-1.9	20.0
Phenanthrene	1.164	1.180		1.4	
Anthracene	1.154	1.172		1.6	
Carbazole	1.092	1.117		2.3	
Di-n-butylphthalate	1.222	1.222		0.0	
Fluoranthene	1.358	1.374		1.2	20.0
Pyrene	1.353	1.376		1.7	
Terphenyl-d14	0.984	0.998		1.4	
Butylbenzylphthalate	0.432	0.438		1.4	
3,3-Dichlorobenzidine	0.443	0.444		0.2	
Benzo(a)anthracene	1.374	1.403		2.1	
Chrysene	1.302	1.321		1.5	
Bis(2-ethylhexyl)phthalate	0.718	0.716		-0.3	
Di-n-octyl phthalate	1.191	1.093		-8.2	20.0
Benzo(b)fluoranthene	1.242	1.301		4.8	
Benzo(k)fluoranthene	1.268	1.302		2.7	
Benzo(a)pyrene	1.141	1.190		4.3	20.0
Indeno(1,2,3-cd)pyrene	1.476	1.544		4.6	
Dibenzo(a,h)anthracene	1.202	1.262		5.0	
Benzo(g,h,i)perylene	1.156	1.203		4.1	
1,2,4,5-Tetrachlorobenzene	0.621	0.636		2.4	
1,4-Dioxane	0.511	0.525		2.7	20.0
2,3,4,6-Tetrachlorophenol	0.330	0.344		4.2	

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144135.D
Acq On : 29 Oct 2025 18:31
Operator : RC/JU
Sample : Q3466-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 29 18:51:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B8-0.0-1.0-20251023

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	58760	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	219394	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	118691	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	197810	20.000	ng	#	0.00
76) Chrysene-d12	14.051	240	171583	20.000	ng		0.00
86) Perylene-d12	15.539	264	188901	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.492	112	296495	79.831	ng		0.00
7) Phenol-d6	6.504	99	338372	82.494	ng		0.00
23) Nitrobenzene-d5	7.439	82	221116	55.217	ng		0.00
42) 2,4,6-Tribromophenol	10.704	330	115793	76.588	ng		0.00
45) 2-Fluorobiphenyl	9.233	172	444581	52.710	ng		0.00
79) Terphenyl-d14	12.992	244	422291	43.026	ng		0.00
Target Compounds							Qvalue
71) Phenanthrene	11.427	178	43161	4.392	ng		98
75) Fluoranthene	12.621	202	69912	6.440	ng		99
78) Pyrene	12.851	202	56918	4.614	ng		97
81) Benzo(a)anthracene	14.039	228	39006m	3.364	ng		
83) Chrysene	14.074	228	36048	3.313	ng		96
84) Bis(2-ethylhexyl)phtha...	14.027	149	36111	5.668	ng	#	97
88) Benzo(b)fluoranthene	15.098	252	47991m	4.494	ng		
90) Benzo(a)pyrene	15.468	252	30218	3.154	ng	#	98

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

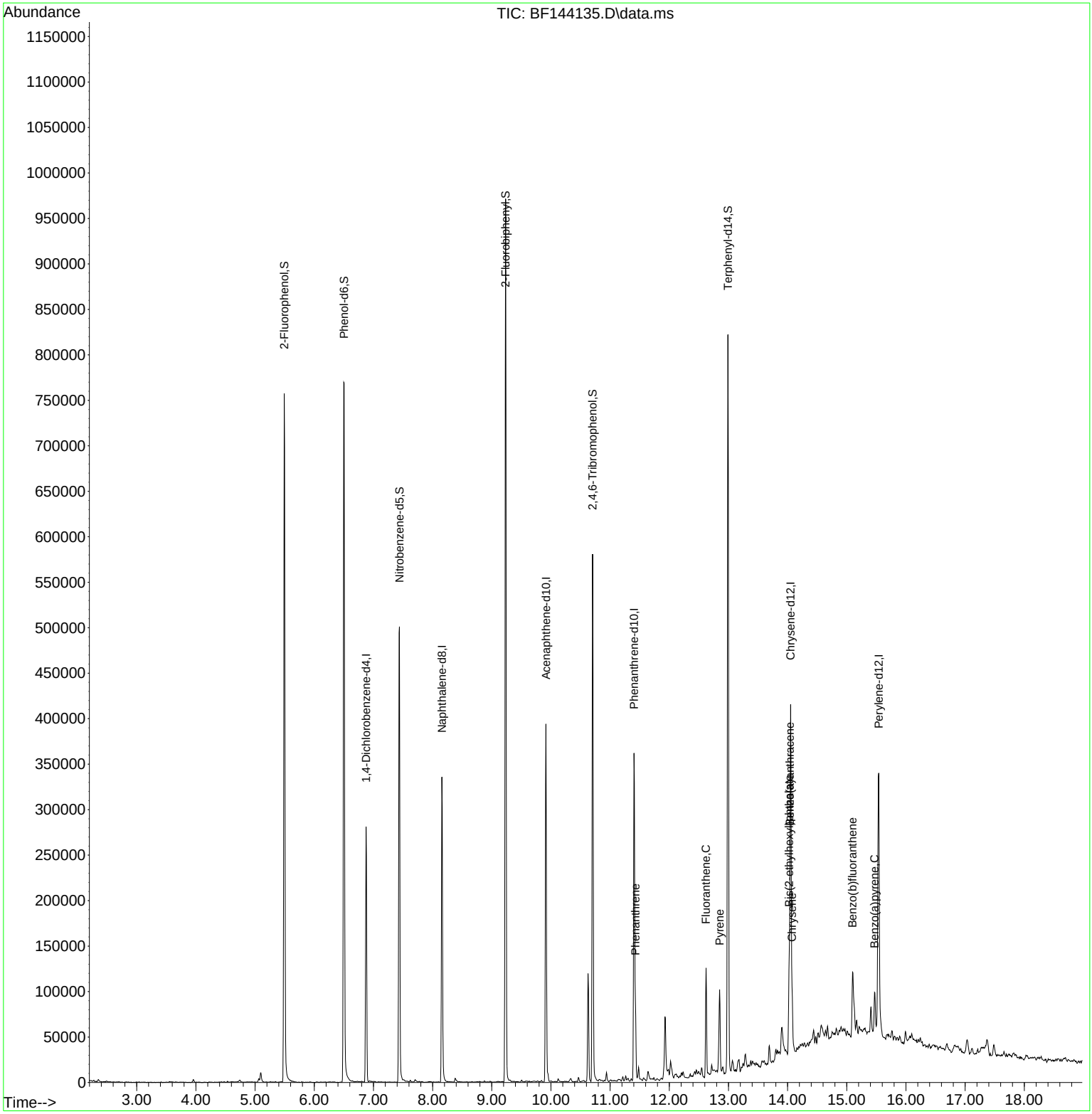
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Data File : BF144135.D
Acq On : 29 Oct 2025 18:31
Operator : RC/JU
Sample : Q3466-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

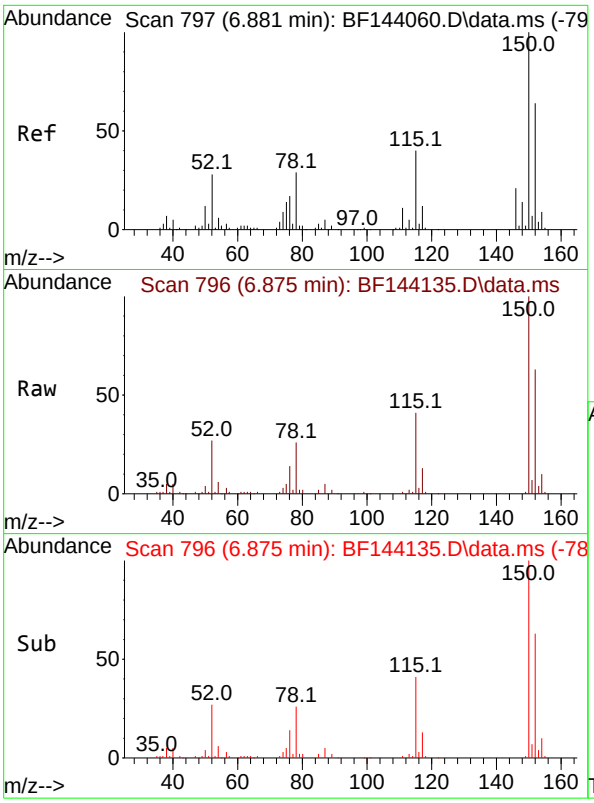
Quant Time: Oct 29 18:51:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B8-0.0-1.0-20251023

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

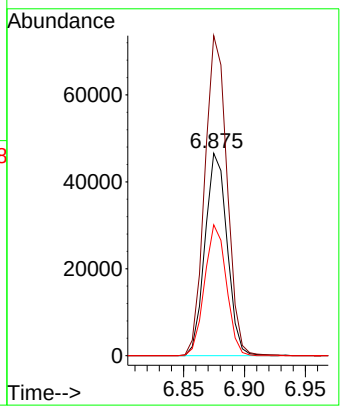




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

Tgt Ion:152 Resp: 5876

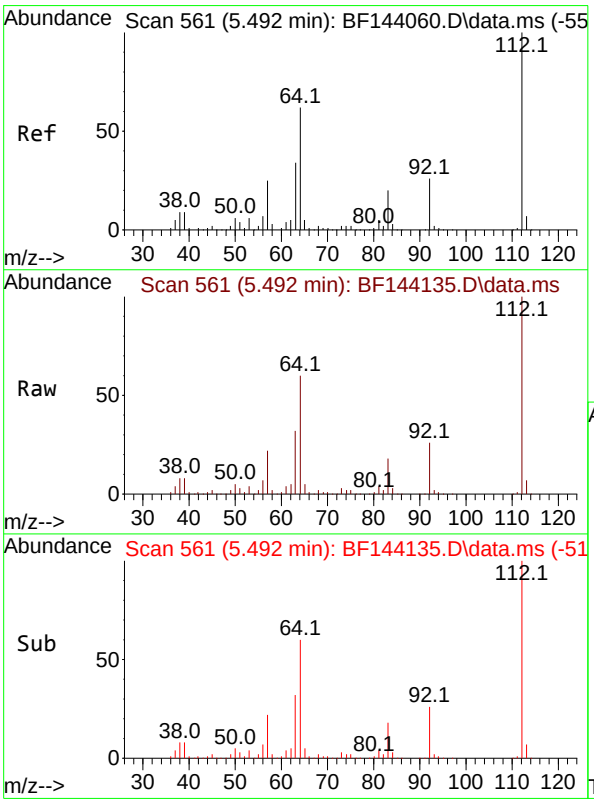
Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.4	186.6
115	64.6	49.4	74.0



Instrument :
BNA_F
ClientSampleId :
B8-0.0-1.0-20251023

Manual Integrations
APPROVED

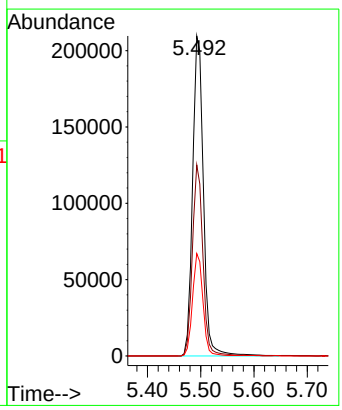
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

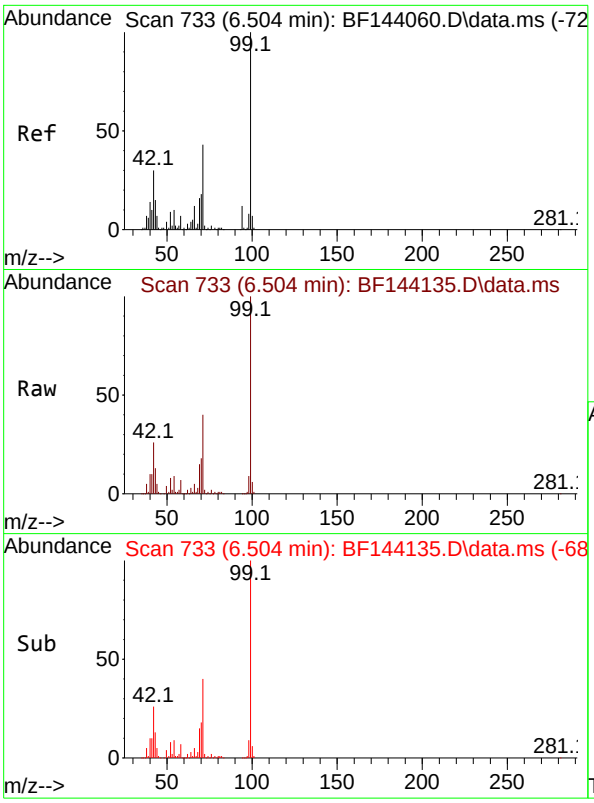


#5
2-Fluorophenol
Concen: 79.831 ng
RT: 5.492 min Scan# 561
Delta R.T. -0.000 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

Tgt Ion:112 Resp: 296495

Ion	Ratio	Lower	Upper
112	100		
64	59.7	49.8	74.8
63	32.0	27.4	41.2

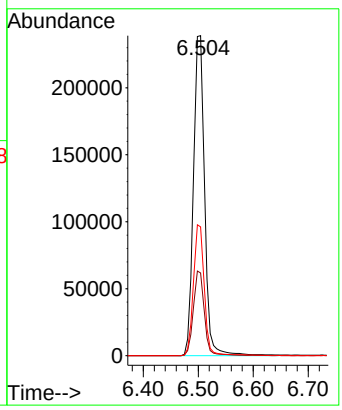




#7
Phenol-d6
Concen: 82.494 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

Tgt Ion: 99 Resp: 33837

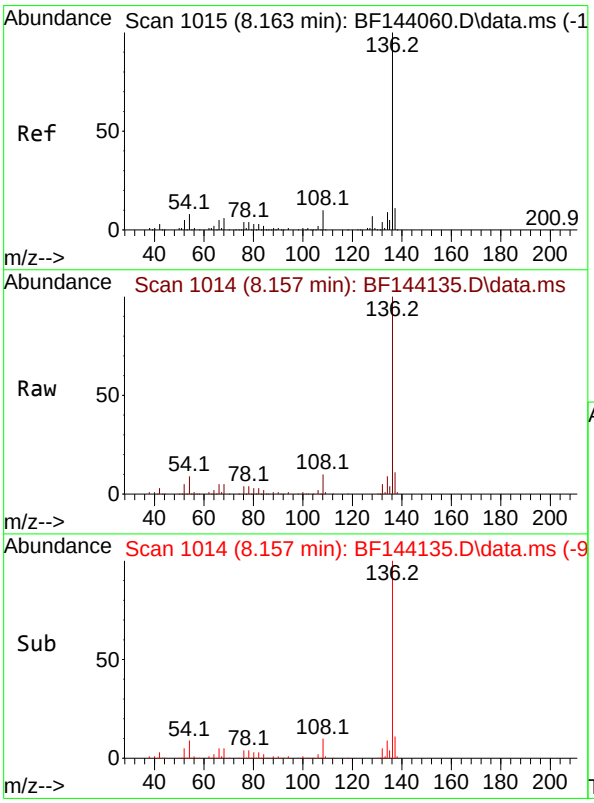
Ion	Ratio	Lower	Upper
99	100		
42	25.9	23.9	35.9
71	40.2	34.4	51.6



Instrument :
BNA_F
ClientSampleId :
B8-0.0-1.0-20251023

Manual Integrations APPROVED

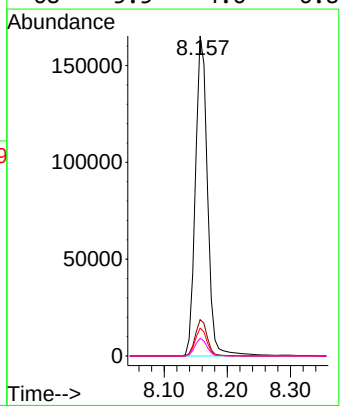
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

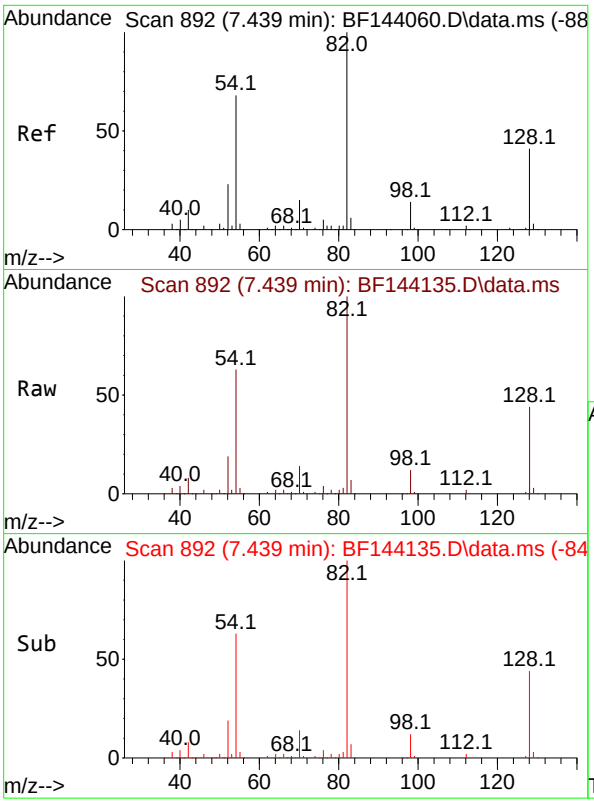


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

Tgt Ion:136 Resp: 219394

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	13.0
54	8.7	6.6	9.8
68	5.5	4.6	6.8

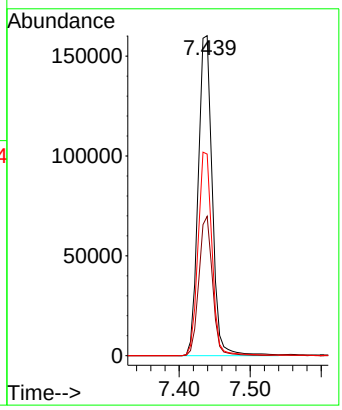




#23
Nitrobenzene-d5
Concen: 55.217 ng
RT: 7.439 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

Tgt Ion: 82 Resp: 22111

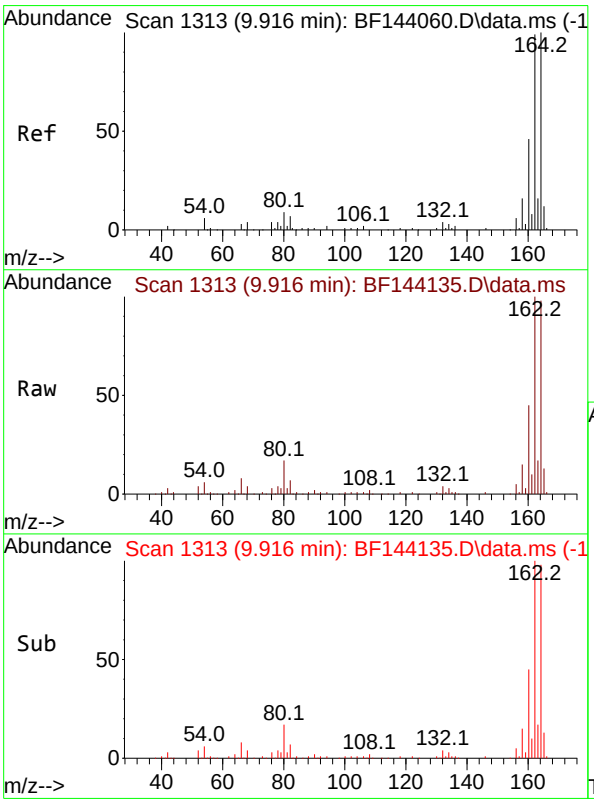
Ion	Ratio	Lower	Upper
82	100		
128	43.5	32.4	48.6
54	63.0	54.0	81.0



Instrument :
BNA_F
ClientSampleId :
B8-0.0-1.0-20251023

Manual Integrations
APPROVED

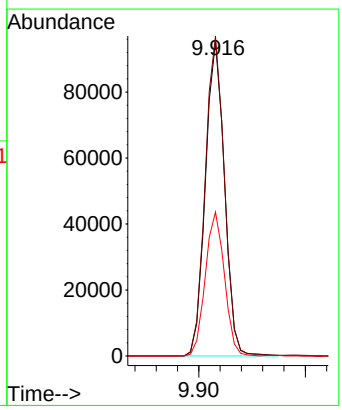
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

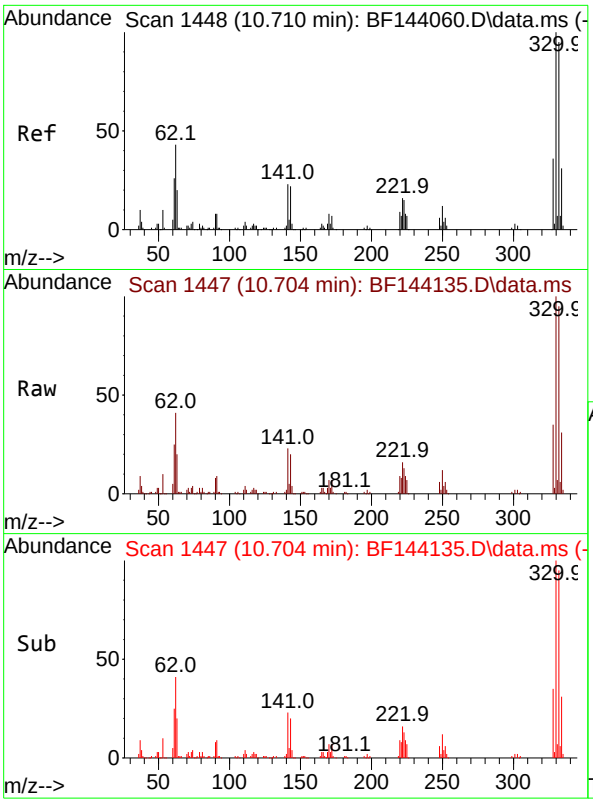


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.000 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

Tgt Ion:164 Resp: 118691

Ion	Ratio	Lower	Upper
164	100		
162	101.9	79.4	119.2
160	45.9	36.7	55.1

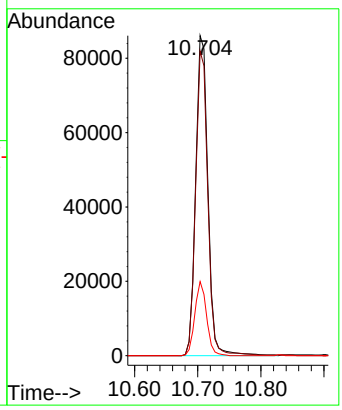




#42
2,4,6-Tribromophenol
Concen: 76.588 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

Tgt Ion:330 Resp: 11579

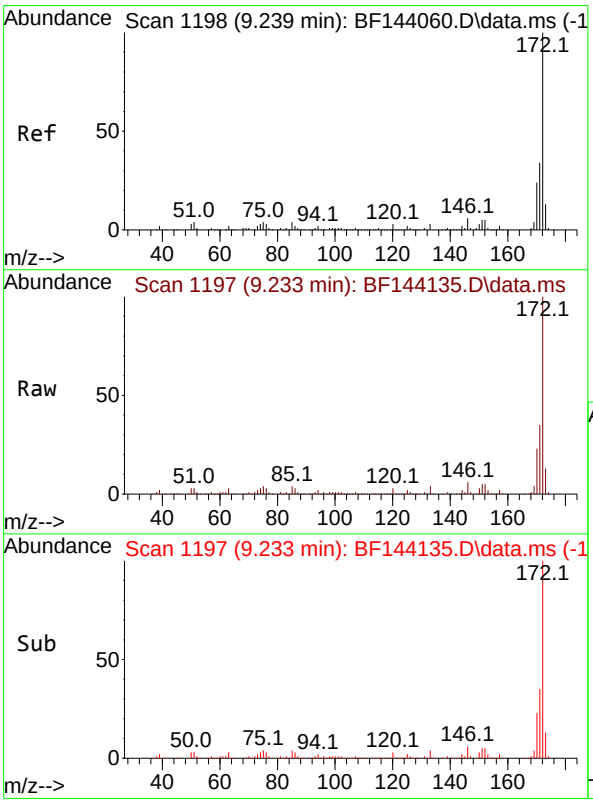
Ion	Ratio	Lower	Upper
330	100		
332	94.3	77.0	115.6
141	22.3	19.4	29.0



Instrument :
BNA_F
ClientSampleId :
B8-0.0-1.0-20251023

Manual Integrations
APPROVED

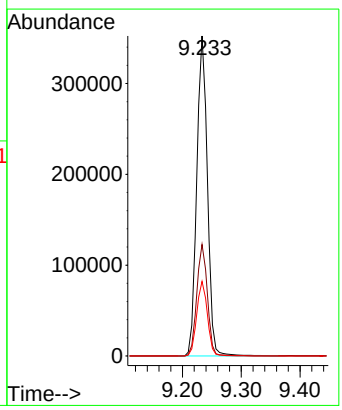
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

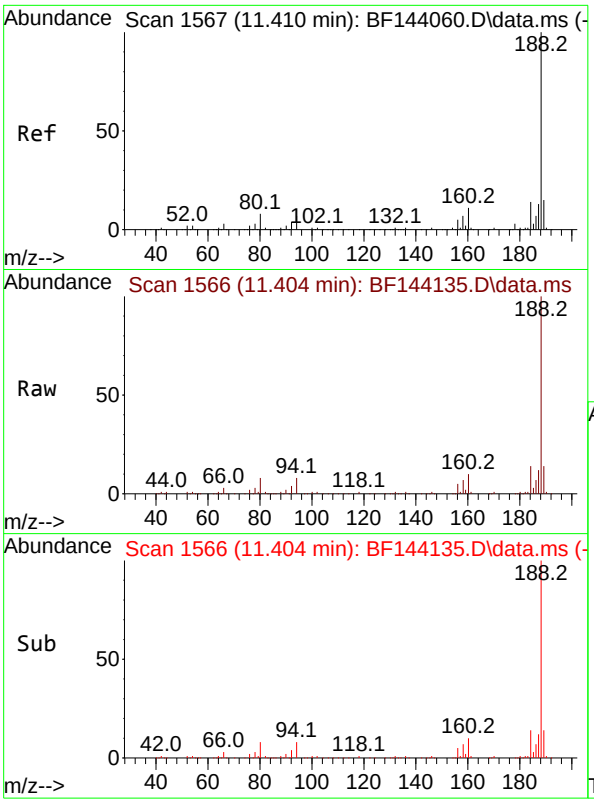


#45
2-Fluorobiphenyl
Concen: 52.710 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

Tgt Ion:172 Resp: 444581

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.5	41.3
170	23.3	19.0	28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

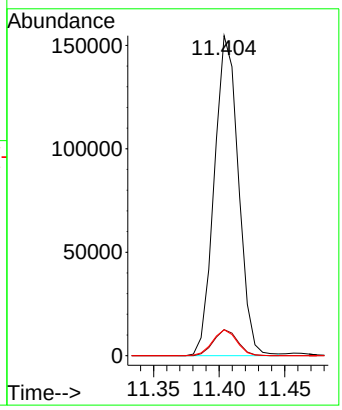
Tgt Ion:188 Resp: 19781

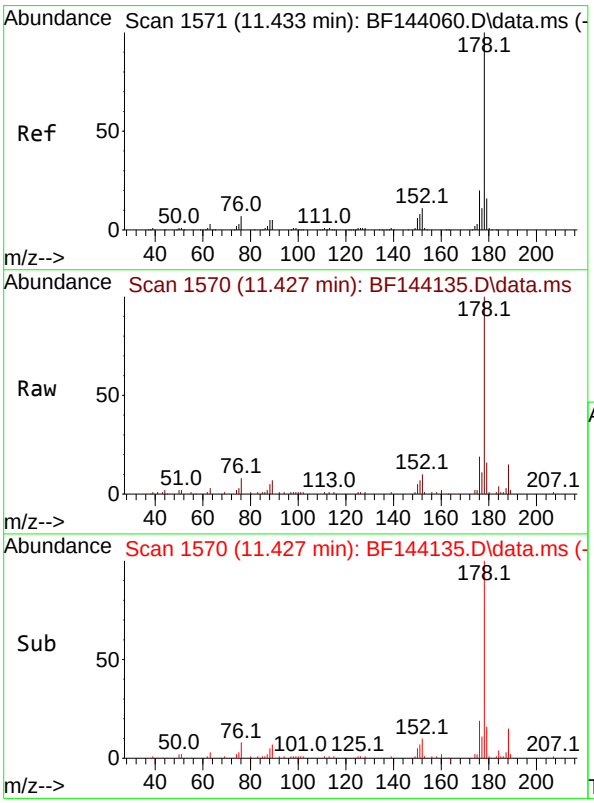
Ion	Ratio	Lower	Upper
188	100		
94	8.1	5.4	8.0
80	8.1	6.0	9.0

Instrument :
BNA_F
ClientSampleId :
B8-0.0-1.0-20251023

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

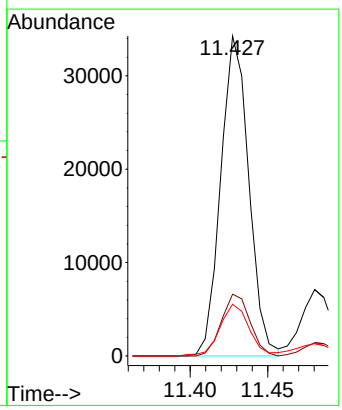


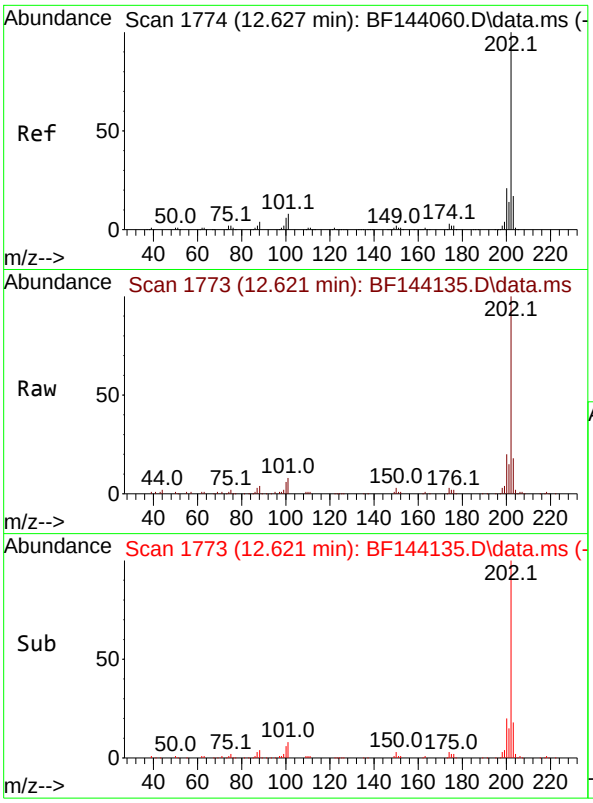


#71
Phenanthrene
Concen: 4.392 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

Tgt Ion:178 Resp: 43161

Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.3	24.5
179	16.2	12.6	18.8

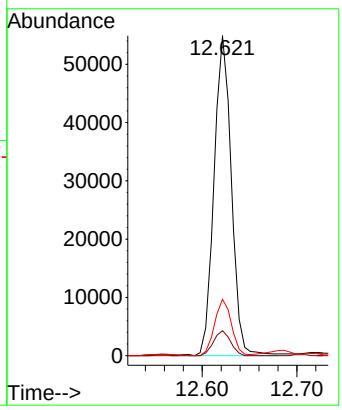




#75
Fluoranthene
Concen: 6.440 ng
RT: 12.621 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

Tgt Ion:202 Resp: 6991

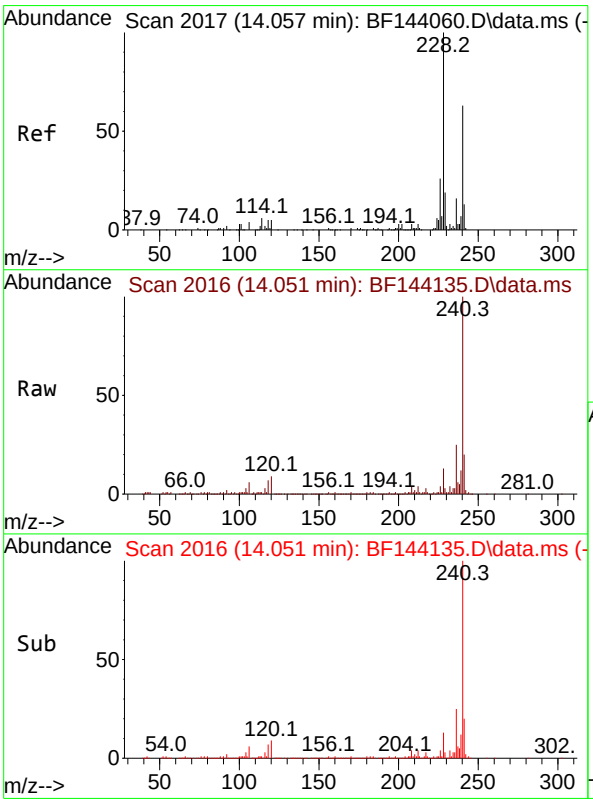
Ion	Ratio	Lower	Upper
202	100		
101	7.8	0.0	27.7
203	17.6	0.0	37.3



Instrument :
BNA_F
ClientSampleId :
B8-0.0-1.0-20251023

Manual Integrations APPROVED

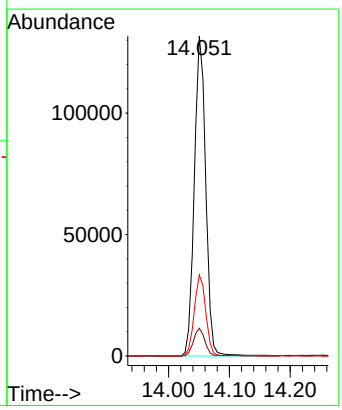
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

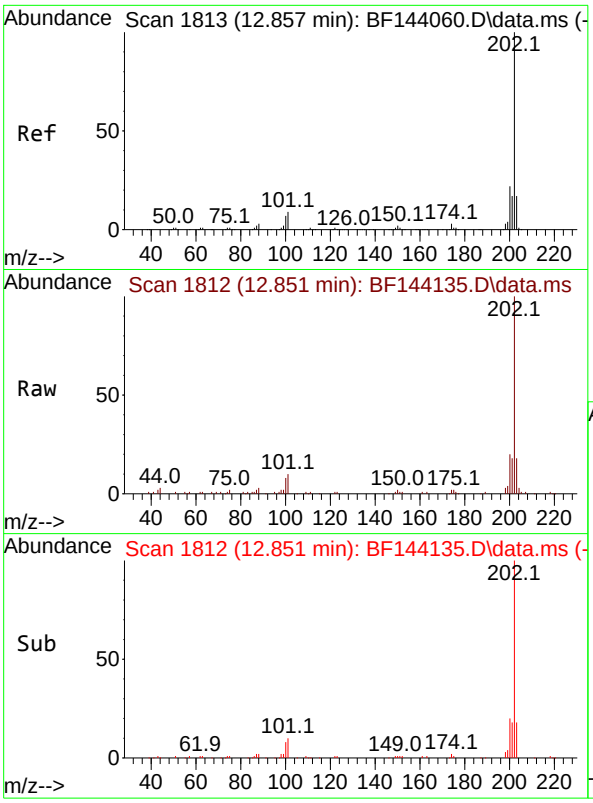


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

Tgt Ion:240 Resp: 171583

Ion	Ratio	Lower	Upper
240	100		
120	8.7	6.5	9.7
236	25.4	20.1	30.1

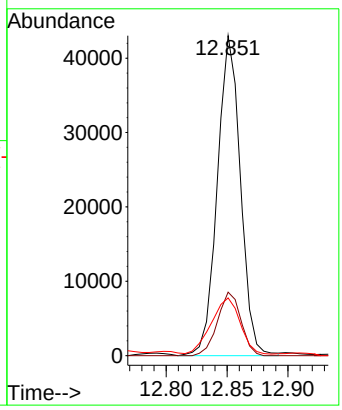




#78
Pyrene
Concen: 4.614 ng
RT: 12.851 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

Tgt Ion:202 Resp: 5691

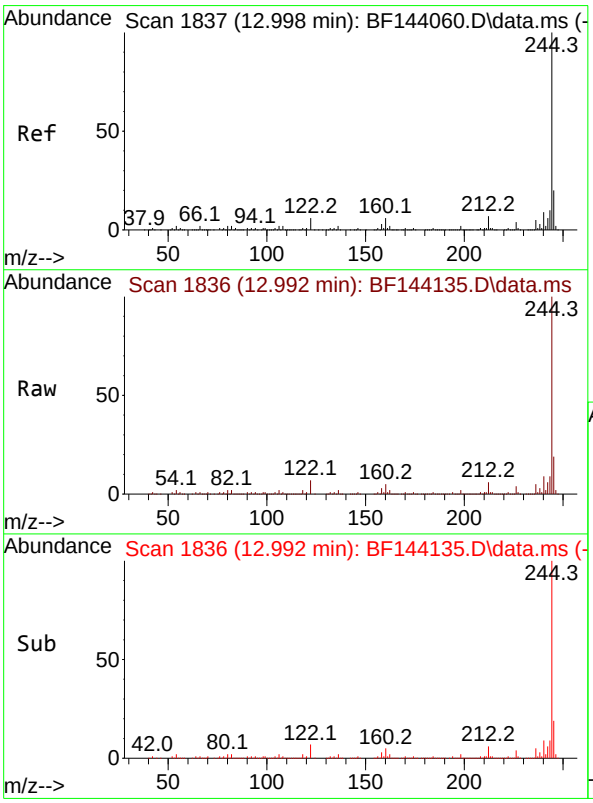
Ion	Ratio	Lower	Upper
202	100		
200	19.9	17.2	25.8
203	18.0	13.5	20.3



Instrument :
BNA_F
ClientSampleId :
B8-0.0-1.0-20251023

Manual Integrations APPROVED

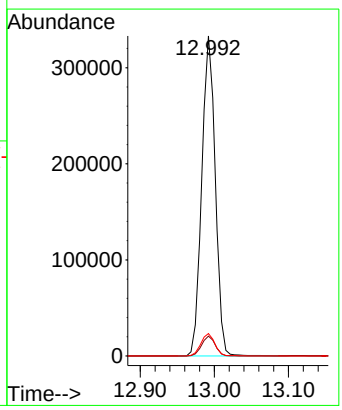
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

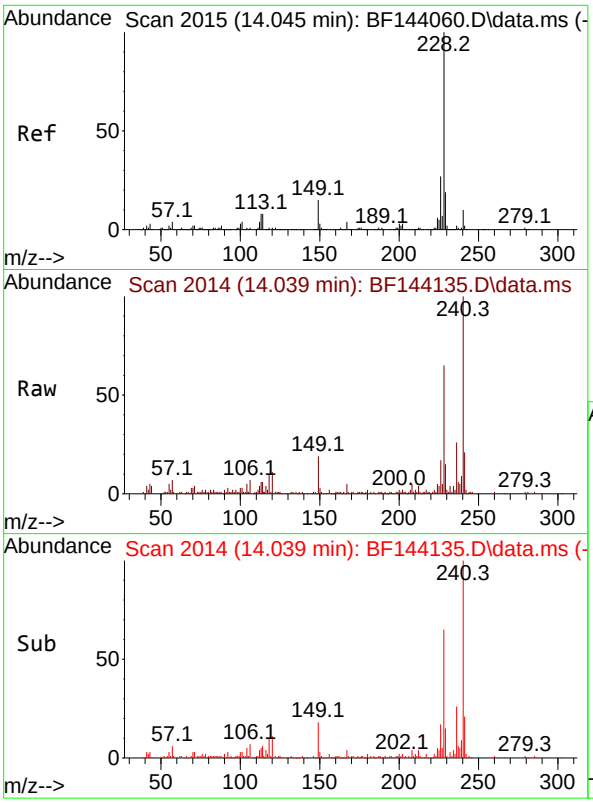


#79
Terphenyl-d14
Concen: 43.026 ng
RT: 12.992 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

Tgt Ion:244 Resp: 422291

Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.8	8.6
122	7.0	4.9	7.3

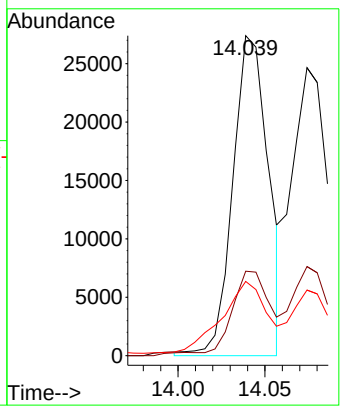




#81
Benzo(a)anthracene
Concen: 3.364 ng m
RT: 14.039 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

Tgt Ion:228 Resp: 3900

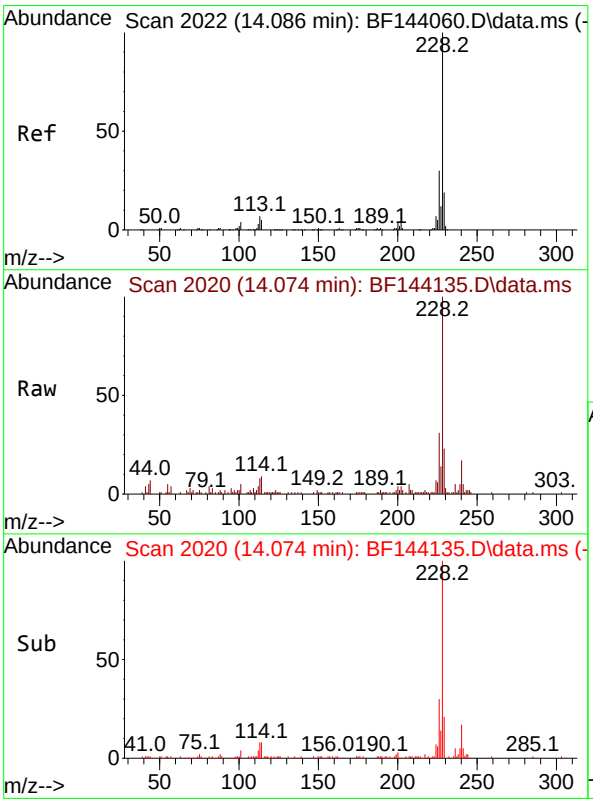
Ion	Ratio	Lower	Upper
228	100		
226	26.4	21.4	32.2
229	23.2	15.3	22.9



Instrument :
BNA_F
ClientSampleId :
B8-0.0-1.0-20251023

Manual Integrations
APPROVED

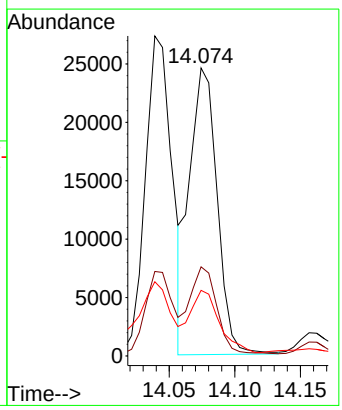
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

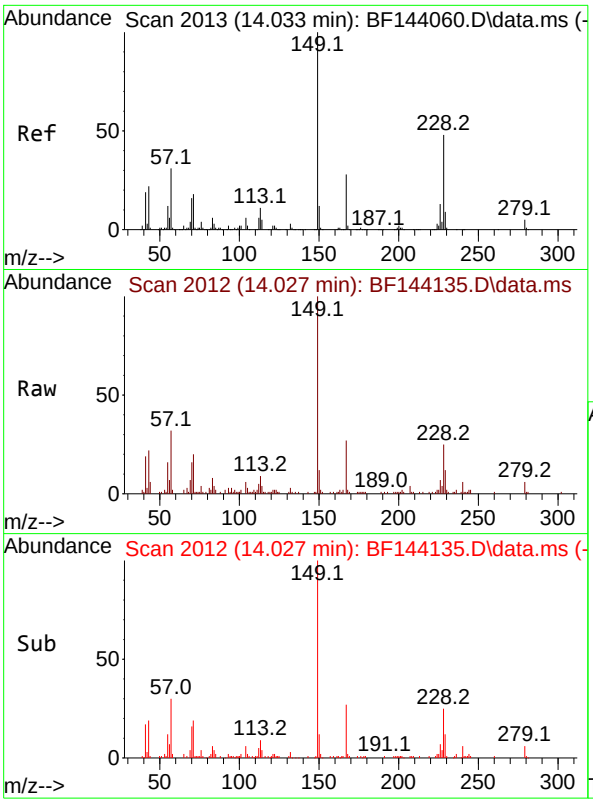


#83
Chrysene
Concen: 3.313 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

Tgt Ion:228 Resp: 36048

Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.8	35.6
229	22.8	15.6	23.4

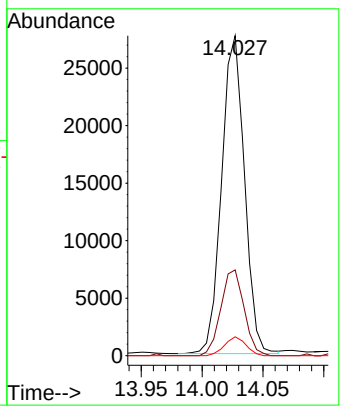




#84
Bis(2-ethylhexyl)phthalate
Concen: 5.668 ng
RT: 14.027 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

Tgt Ion:149 Resp: 3611

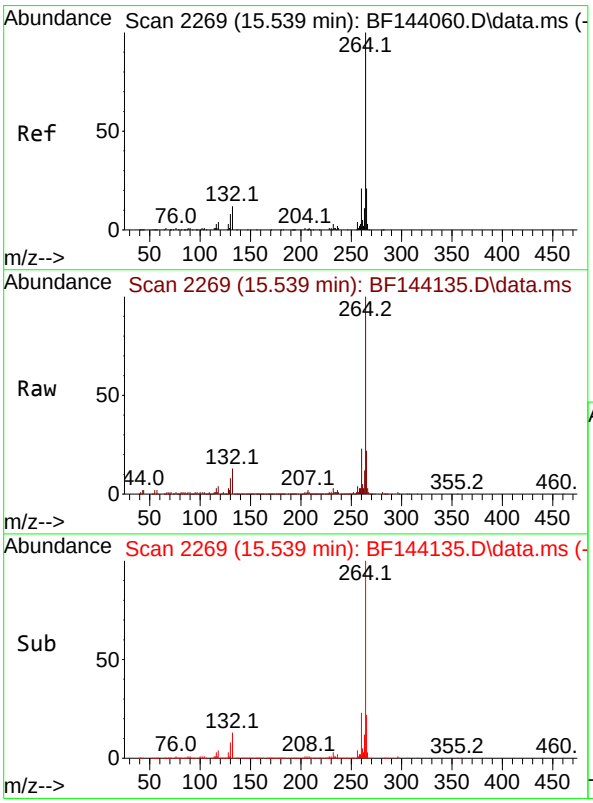
Ion	Ratio	Lower	Upper
149	100		
167	26.8	22.5	33.7
279	5.9	3.6	5.4



Instrument :
BNA_F
ClientSampleId :
B8-0.0-1.0-20251023

Manual Integrations
APPROVED

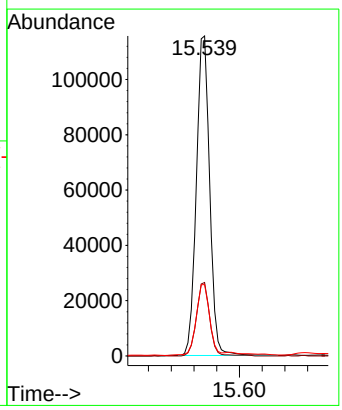
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

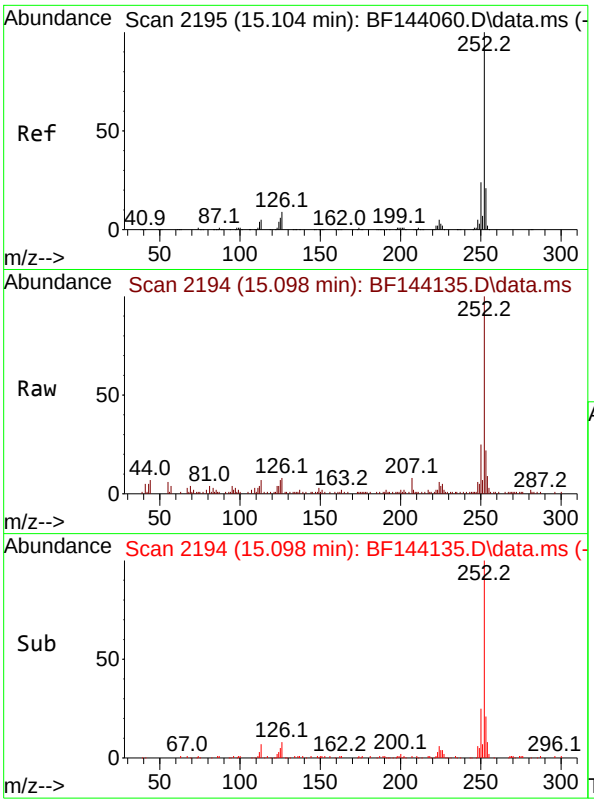


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

Tgt Ion:264 Resp: 188901

Ion	Ratio	Lower	Upper
264	100		
260	22.9	17.0	25.4
265	22.3	16.6	24.8

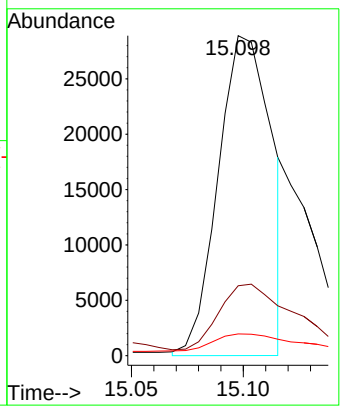




#88
Benzo(b)fluoranthene
Concen: 4.494 ng m
RT: 15.098 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

Tgt Ion:252 Resp: 4799

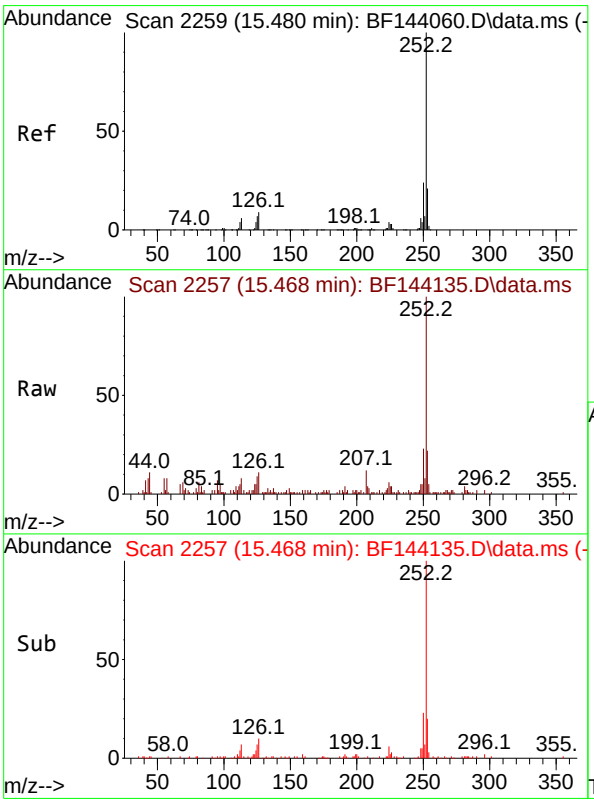
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	6.8	5.0	7.6



Instrument :
BNA_F
ClientSampleId :
B8-0.0-1.0-20251023

Manual Integrations
APPROVED

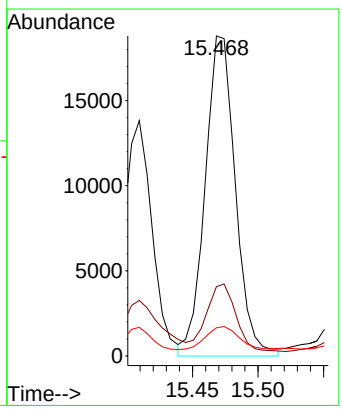
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025



#90
Benzo(a)pyrene
Concen: 3.154 ng
RT: 15.468 min Scan# 2257
Delta R.T. -0.012 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

Tgt Ion:252 Resp: 30218

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.1	25.7
125	8.8	5.4	8.2#



LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144135.D
Acq On : 29 Oct 2025 18:31
Operator : RC/JU
Sample : Q3466-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B8-0.0-1.0-20251023

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-BF102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF144135.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.092	490	493	506	rVB	10418	17625	1.46%	0.173%
2	5.492	556	561	578	rBV	756964	1043128	86.26%	10.248%
3	6.498	727	732	755	rBV	769351	1085593	89.77%	10.665%
4	6.875	791	796	803	rBV	280749	350417	28.98%	3.443%
5	7.439	886	892	903	rBV	500962	683509	56.52%	6.715%
6	8.157	1009	1014	1029	rBV	335435	440163	36.40%	4.324%
7	9.233	1192	1197	1207	rBV	970710	1209318	100.00%	11.881%
8	9.916	1308	1313	1318	rBV	393155	491730	40.66%	4.831%
9	10.627	1429	1434	1442	rVB	118794	150012	12.40%	1.474%
10	10.704	1442	1447	1463	rBV	579817	753919	62.34%	7.407%
11	10.939	1483	1487	1493	rVB	10050	13310	1.10%	0.131%
12	11.404	1561	1566	1575	rBV2	360057	555825	45.96%	5.461%
13	11.480	1575	1579	1583	rVB	13083	16770	1.39%	0.165%
14	11.639	1601	1606	1614	rBV2	10450	22579	1.87%	0.222%
15	11.927	1647	1655	1662	rBV2	68992	130958	10.83%	1.287%
16	12.021	1667	1671	1680	rVB3	18574	38636	3.19%	0.380%
17	12.545	1757	1760	1766	rVB	10079	15093	1.25%	0.148%
18	12.621	1768	1773	1778	rBV	120527	154237	12.75%	1.515%
19	12.715	1786	1789	1793	rBV3	9968	13885	1.15%	0.136%
20	12.851	1806	1812	1817	rBV2	90648	137276	11.35%	1.349%
21	12.992	1829	1836	1844	rBV	811916	1049065	86.75%	10.306%
22	13.068	1845	1849	1854	rVV4	11469	18637	1.54%	0.183%
23	13.180	1860	1868	1871	rVB4	13198	29393	2.43%	0.289%
24	13.286	1882	1886	1892	rVB3	14204	23631	1.95%	0.232%
25	13.692	1951	1955	1961	rBV	19061	26706	2.21%	0.262%
26	13.804	1970	1974	1976	rBV2	11134	16349	1.35%	0.161%
27	13.904	1986	1991	2000	rBV3	29040	68862	5.69%	0.677%
28	14.051	2007	2016	2029	rBV3	384752	764631	63.23%	7.512%
29	15.098	2190	2194	2202	rBV	69940	154410	12.77%	1.517%
30	15.409	2243	2247	2252	rBV	27828	42255	3.49%	0.415%
31	15.468	2254	2257	2262	rVV	45869	75978	6.28%	0.746%
32	15.539	2263	2269	2289	rVB	292739	542857	44.89%	5.333%
33	15.992	2343	2346	2352	rBV5	10974	16922	1.40%	0.166%
34	17.486	2596	2600	2608	rVB	12590	25279	2.09%	0.248%

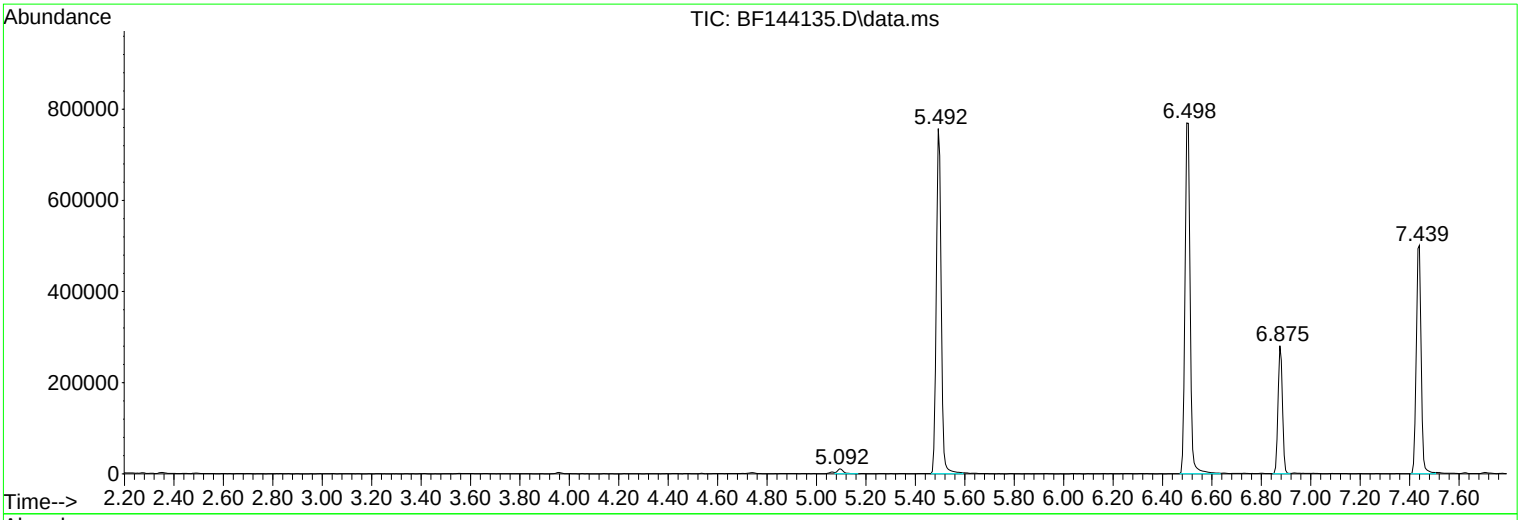
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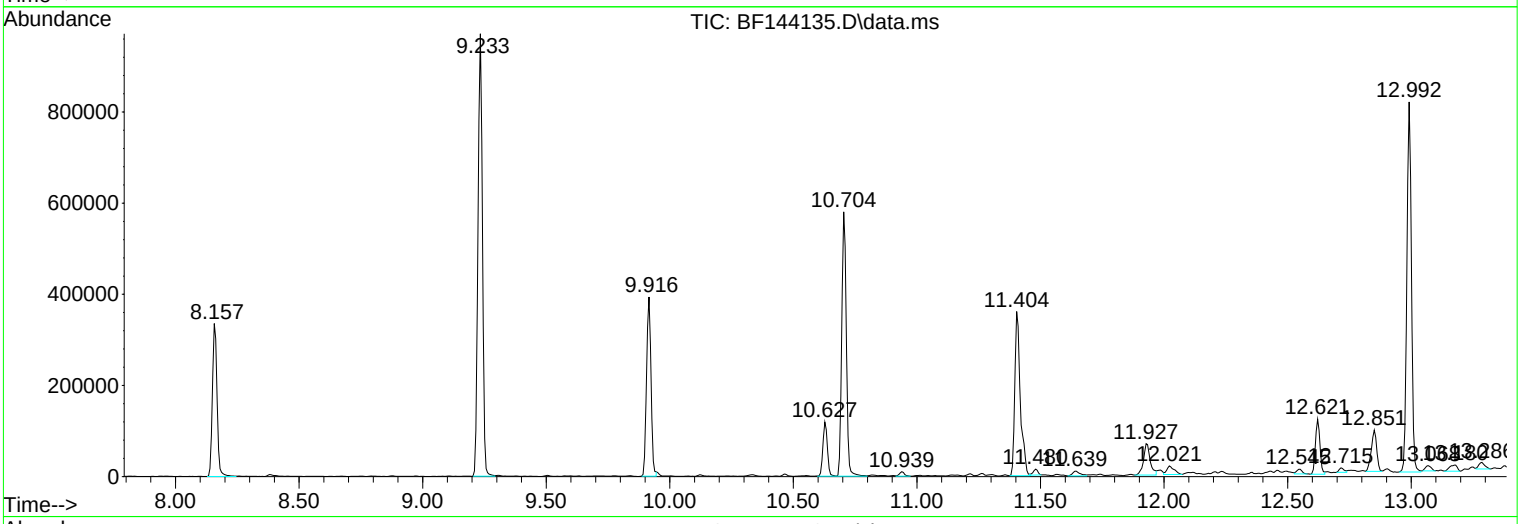
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Data File : BF144135.D
Acq On : 29 Oct 2025 18:31
Operator : RC/JU
Sample : Q3466-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

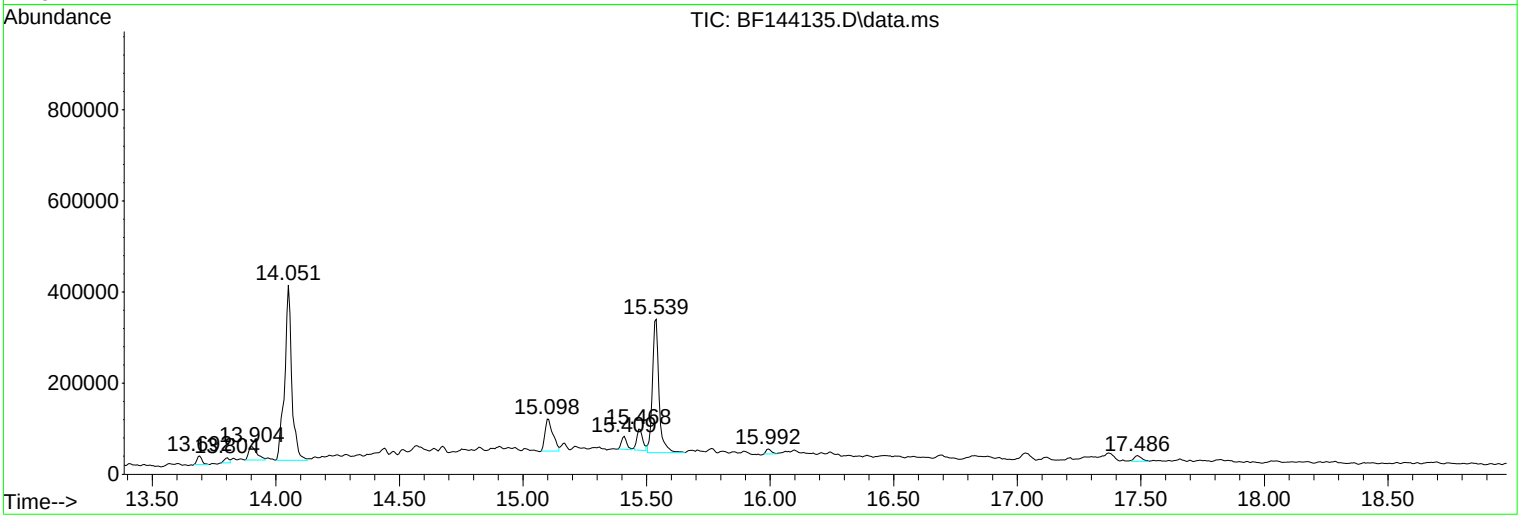
Instrument :
BNA_F
ClientSampleId :
B8-0.0-1.0-20251023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.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\BF102925\
Data File : BF144135.D
Acq On : 29 Oct 2025 18:31
Operator : RC/JU
Sample : Q3466-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B8-0.0-1.0-20251023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

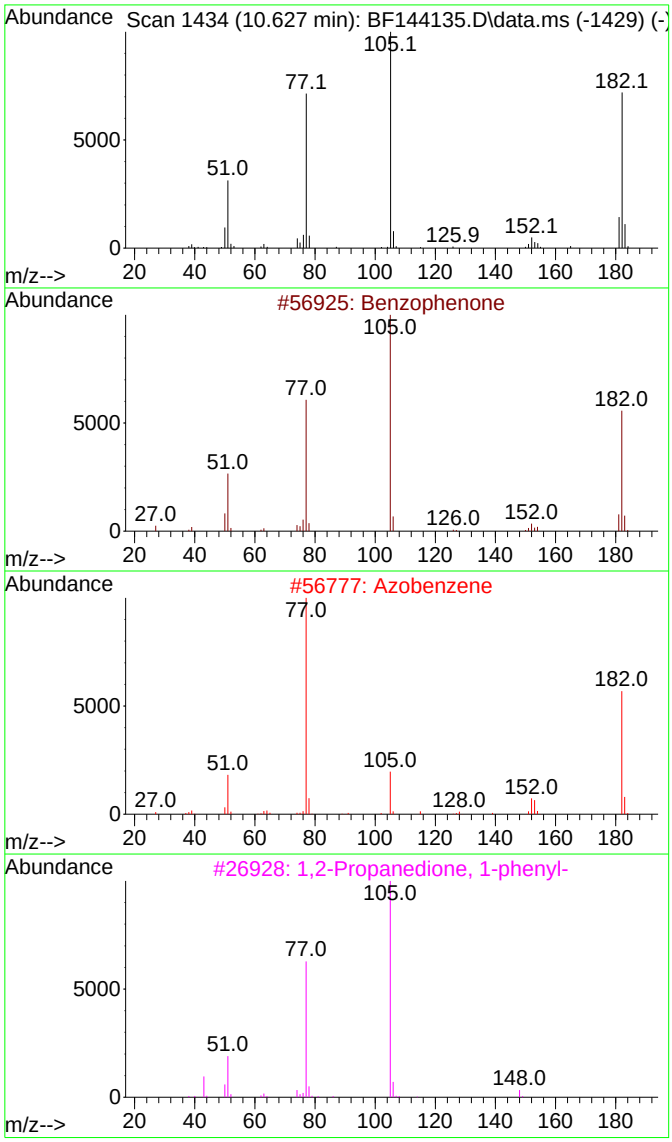
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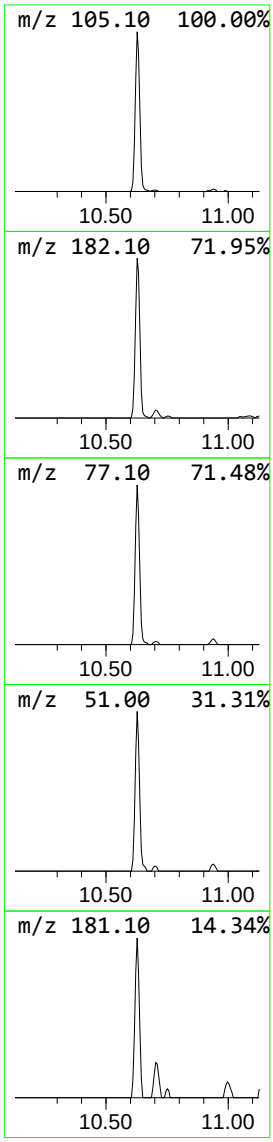
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Peak Number 1 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.627	6.10 ng	150012	Acenaphthene-d10	9.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene	182	C12H10N2	000103-33-3	64
3	1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	47
4	Pentafluoroethyl phenyl ketone	224	C9H5F5O	000394-52-5	47
5	Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144135.D
Acq On : 29 Oct 2025 18:31
Operator : RC/JU
Sample : Q3466-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B8-0.0-1.0-20251023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

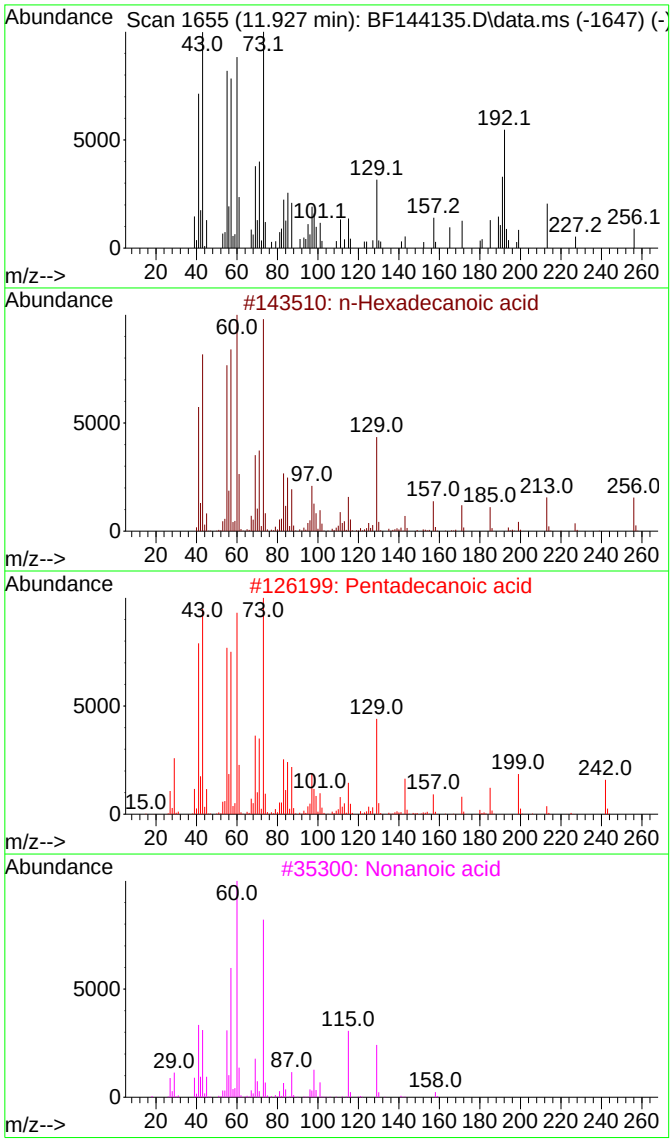
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TIC Integration Parameters: LSCINT.P

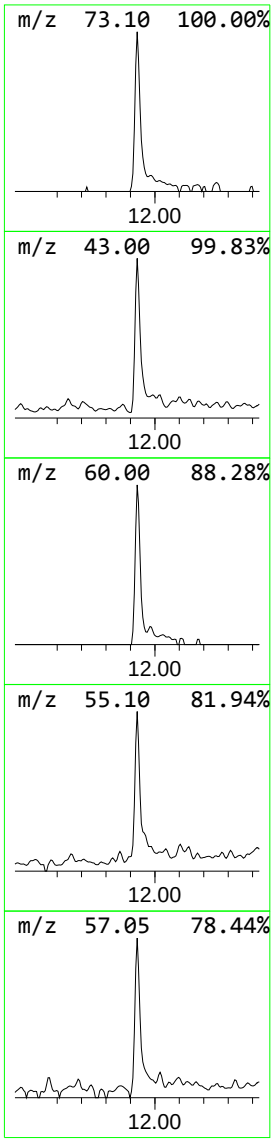
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Peak Number 2 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.927	4.71 ng	130958	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	64
3	Nonanoic acid	158	C9H18O2	000112-05-0	42
4	Oxalic acid, dodecyl propyl ester	300	C17H32O4	1000309-26-5	18
5	Tetradecane	198	C14H30	000629-59-4	15





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144135.D
Acq On : 29 Oct 2025 18:31
Operator : RC/JU
Sample : Q3466-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B8-0.0-1.0-20251023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.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	10.627	6.1	ng	150012	3	9.916	491730	20.0
n-Hexadecanoic ...	11.927	4.7	ng	130958	4	11.404	555825	20.0

Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP103025\
Data File : BP026050.D
Acq On : 30 Oct 2025 20:30
Operator : RC/JU
Sample : Q3466-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B9-0.0-1.0-20251023

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

Quant Time: Oct 31 02:16:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.684	152	355876	20.000	ng		0.00
21) Naphthalene-d8	10.449	136	1331389	20.000	ng		0.00
39) Acenaphthene-d10	14.325	164	731584	20.000	ng		0.00
64) Phenanthrene-d10	17.137	188	1409768	20.000	ng		0.01
76) Chrysene-d12	21.589	240	1685776	20.000	ng		0.02
86) Perylene-d12	24.924	264	1916411	20.000	ng		0.04
System Monitoring Compounds							
5) 2-Fluorophenol	5.302	112	1553819	72.046	ng		0.00
7) Phenol-d6	6.855	99	1885912	68.702	ng		0.00
23) Nitrobenzene-d5	8.813	82	1053376	49.322	ng		-0.01
42) 2,4,6-Tribromophenol	15.837	330	550964	69.662	ng		0.00
45) 2-Fluorobiphenyl	12.931	172	2387392	46.891	ng		0.00
79) Terphenyl-d14	19.878	244	3553507	42.827	ng		0.01
Target Compounds							Qvalue
71) Phenanthrene	17.178	178	968860	11.807	ng		99
72) Anthracene	17.272	178	163915	2.015	ng		99
75) Fluoranthene	19.266	202	1638903	17.122	ng		98
78) Pyrene	19.648	202	1392310	12.211	ng		100
80) Butylbenzylphthalate	20.625	149	12928	3.679	ng	#	84
81) Benzo(a)anthracene	21.566	228	842158	7.270	ng		98
83) Chrysene	21.630	228	902450	8.224	ng		98
84) Bis(2-ethylhexyl)phtha...	21.536	149	1025833	16.879	ng		99
87) Indeno(1,2,3-cd)pyrene	28.683	276	581753	4.112	ng	#	90
88) Benzo(b)fluoranthene	23.866	252	1158242m	9.736	ng		
89) Benzo(k)fluoranthene	23.930	252	481845m	3.966	ng		
90) Benzo(a)pyrene	24.760	252	756684	6.923	ng		97
92) Benzo(g,h,i)perylene	29.842	276	579339	5.229	ng		98

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

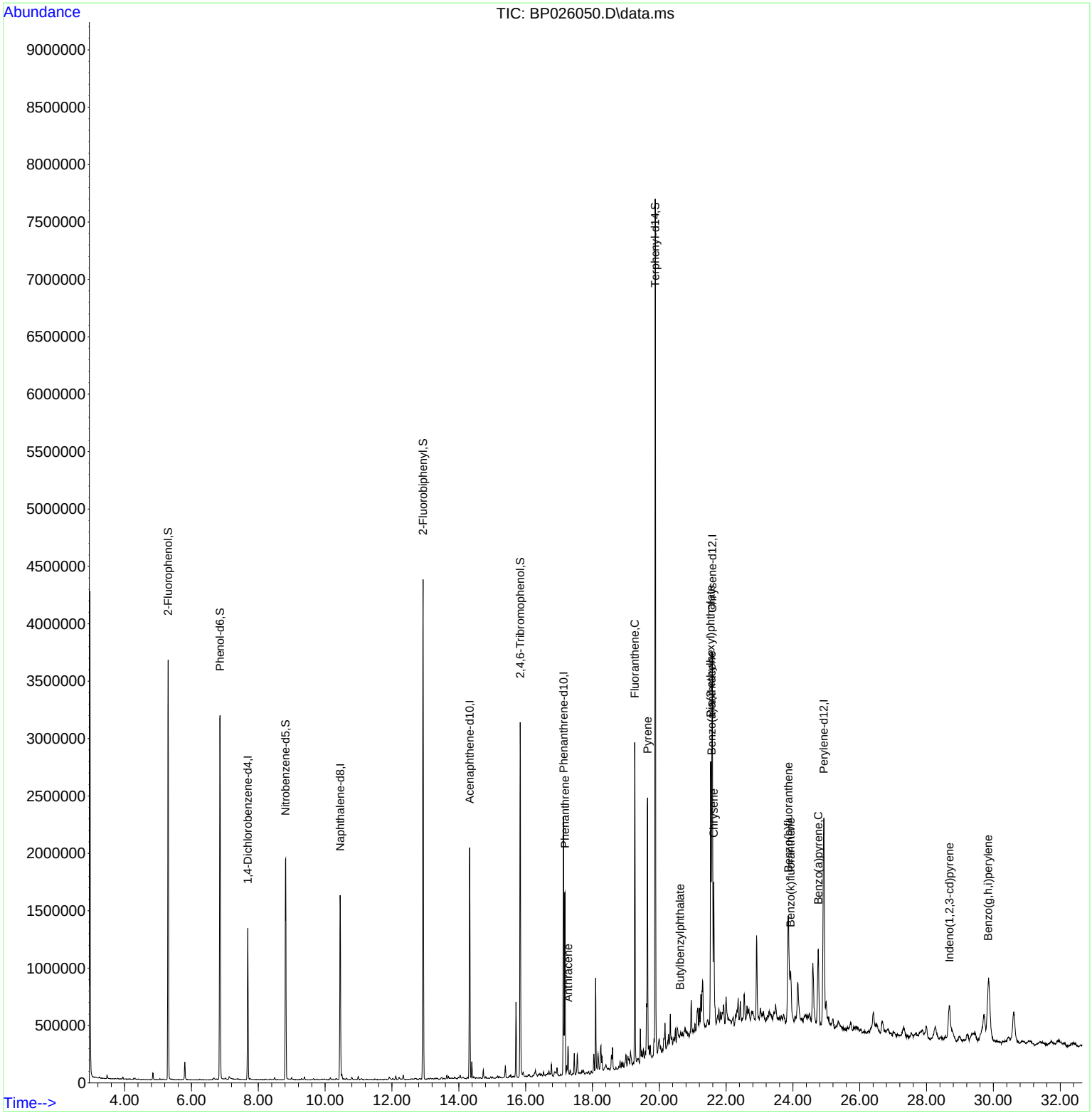
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Acq On : 30 Oct 2025 20:30
Operator : RC/JU
Sample : Q3466-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

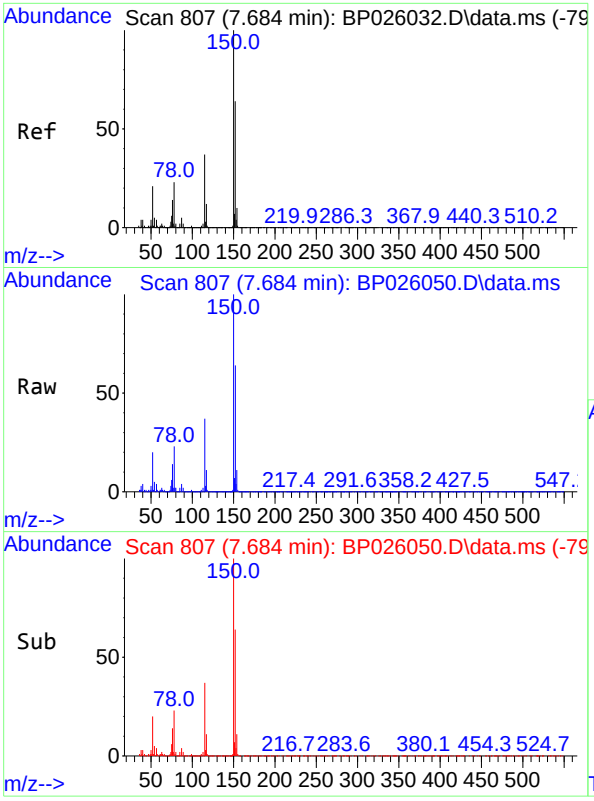
Quant Time: Oct 31 02:16:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
B9-0.0-1.0-20251023

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

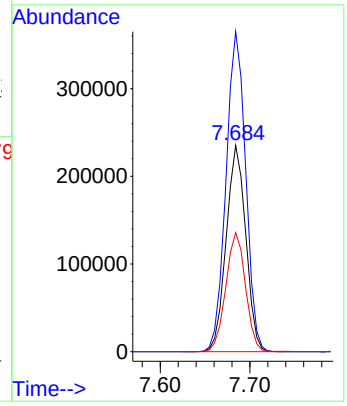




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.684 min Scan# 8(
Delta R.T. -0.006 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30

Tgt Ion:152 Resp: 35587(

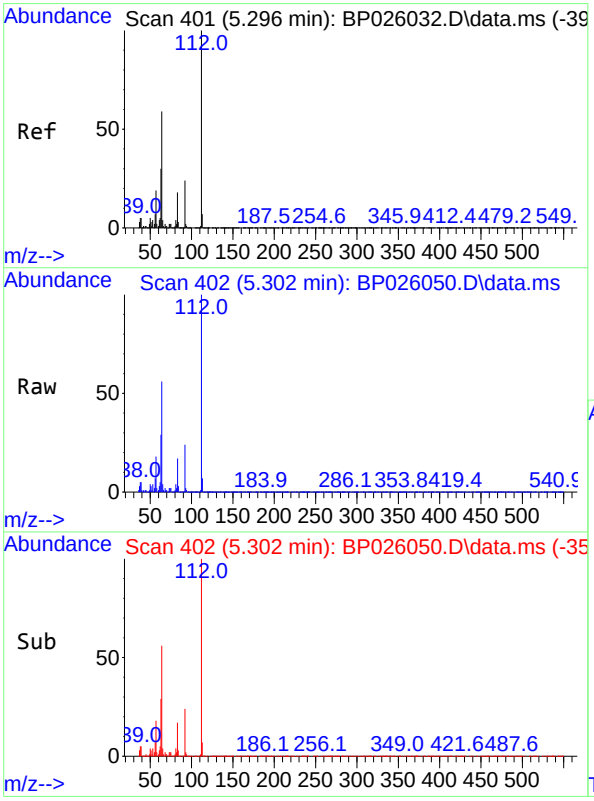
Ion	Ratio	Lower	Upper
152	100		
150	155.2	125.7	188.5
115	57.7	46.4	69.6



Instrument :
BNA_P
ClientSampleId :
B9-0.0-1.0-20251023

Manual Integrations APPROVED

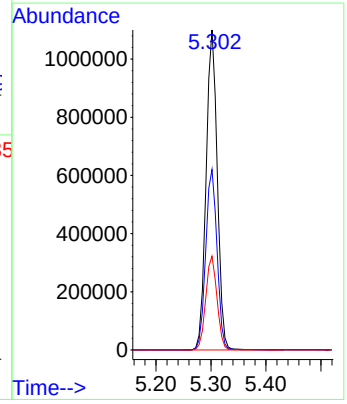
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

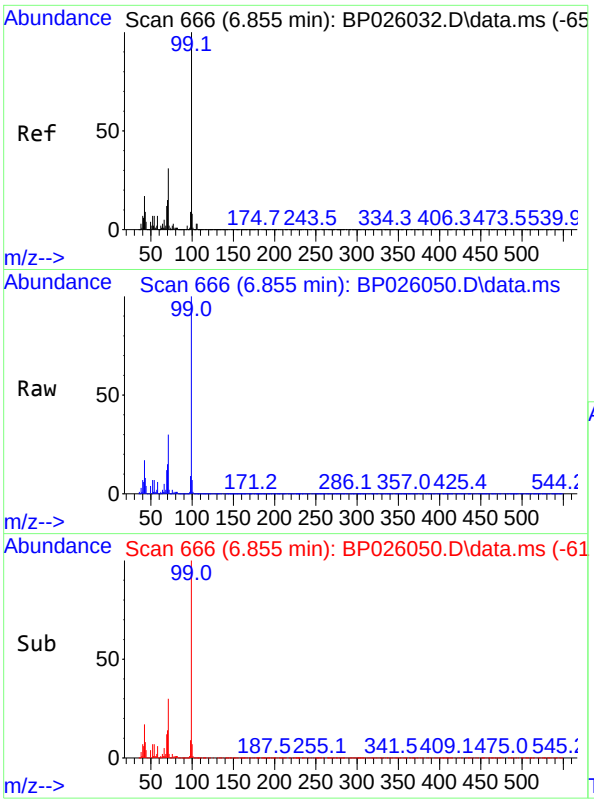


#5
2-Fluorophenol
Concen: 72.046 ng
RT: 5.302 min Scan# 402
Delta R.T. 0.006 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30

Tgt Ion:112 Resp: 1553819

Ion	Ratio	Lower	Upper
112	100		
64	56.4	47.4	71.2
63	29.3	24.2	36.4

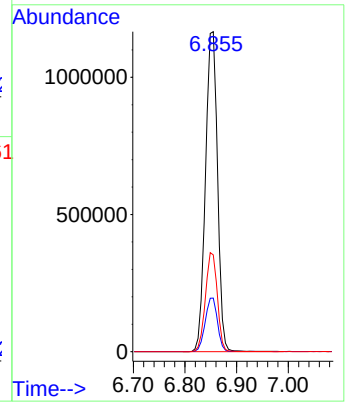




#7
Phenol-d6
Concen: 68.702 ng
RT: 6.855 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30

Tgt Ion: 99 Resp: 188591

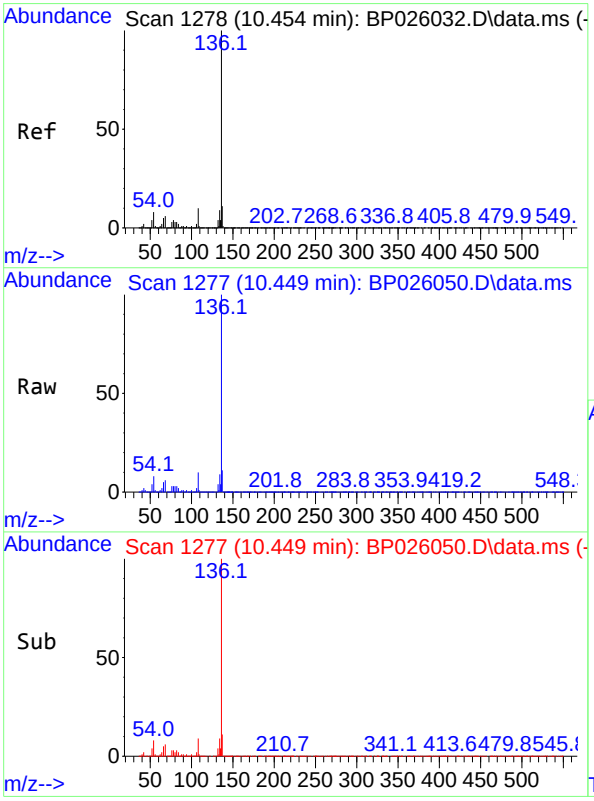
Ion	Ratio	Lower	Upper
99	100		
42	16.8	13.7	20.5
71	30.3	24.4	36.6



Instrument :
BNA_P
ClientSampleId :
B9-0.0-1.0-20251023

Manual Integrations APPROVED

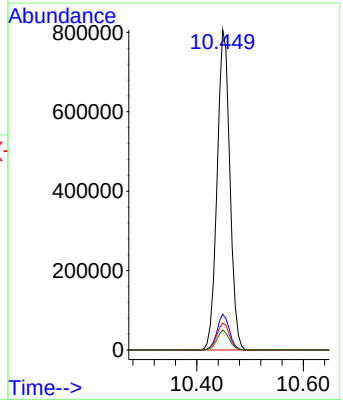
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

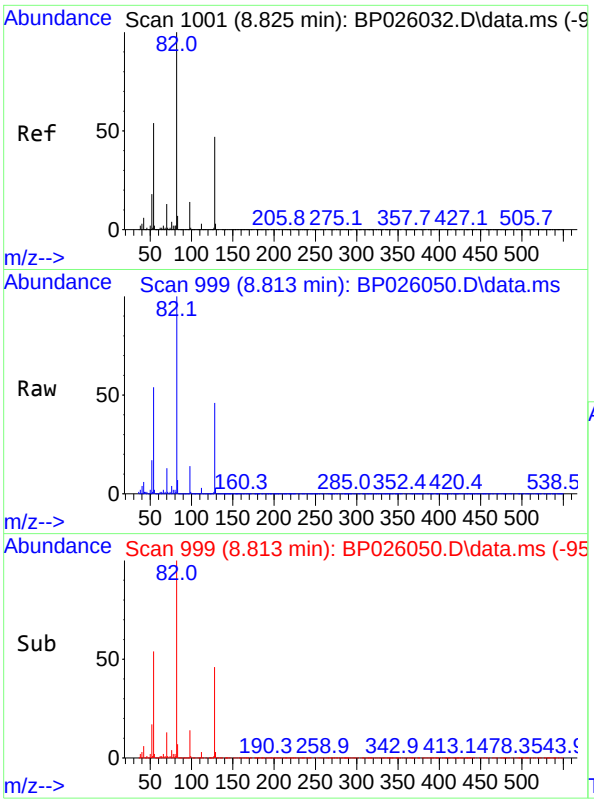


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.449 min Scan# 1277
Delta R.T. -0.005 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30

Tgt Ion:136 Resp: 1331389

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	8.4	6.6	10.0
68	6.2	4.7	7.1

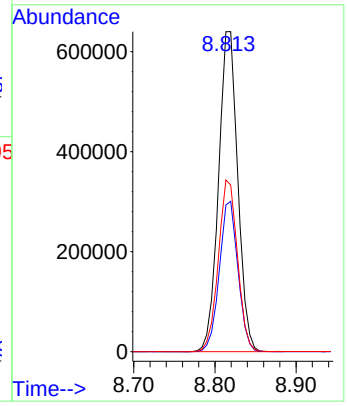




#23
Nitrobenzene-d5
Concen: 49.322 ng
RT: 8.813 min Scan# 9
Delta R.T. -0.011 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30

Tgt Ion: 82 Resp: 105337

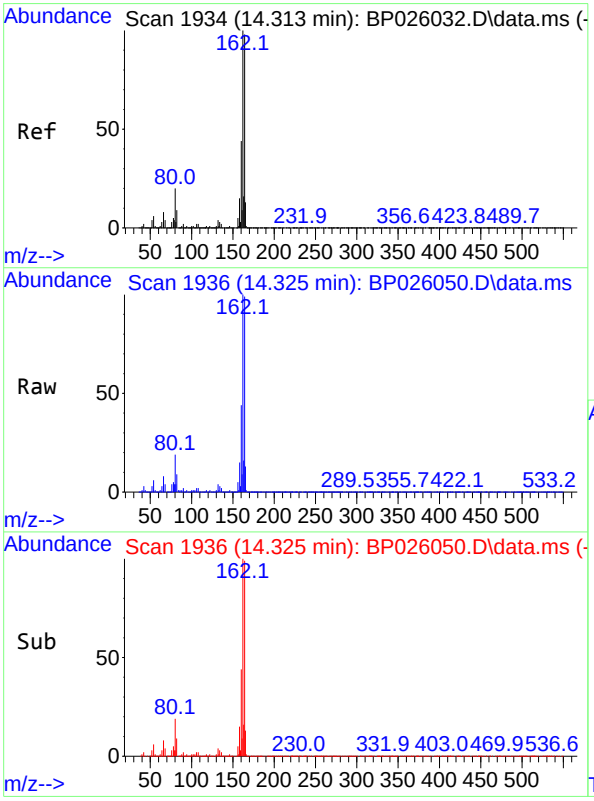
Ion	Ratio	Lower	Upper
82	100		
128	45.8	37.4	56.0
54	53.7	42.7	64.1



Instrument :
BNA_P
ClientSampleId :
B9-0.0-1.0-20251023

Manual Integrations
APPROVED

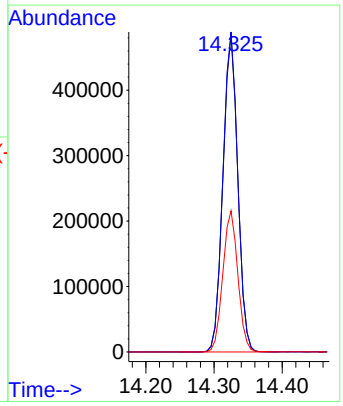
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

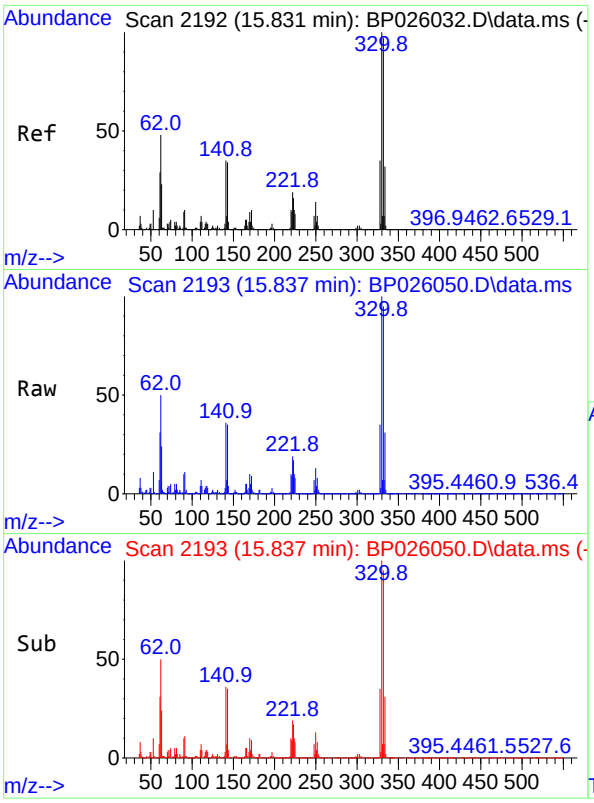


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.325 min Scan# 1936
Delta R.T. 0.006 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30

Tgt Ion:164 Resp: 731584

Ion	Ratio	Lower	Upper
164	100		
162	100.9	81.5	122.3
160	44.5	36.2	54.4

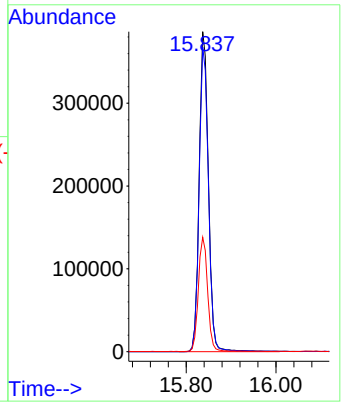




#42
2,4,6-Tribromophenol
Concen: 69.662 ng
RT: 15.837 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30

Tgt Ion:330 Resp: 55096

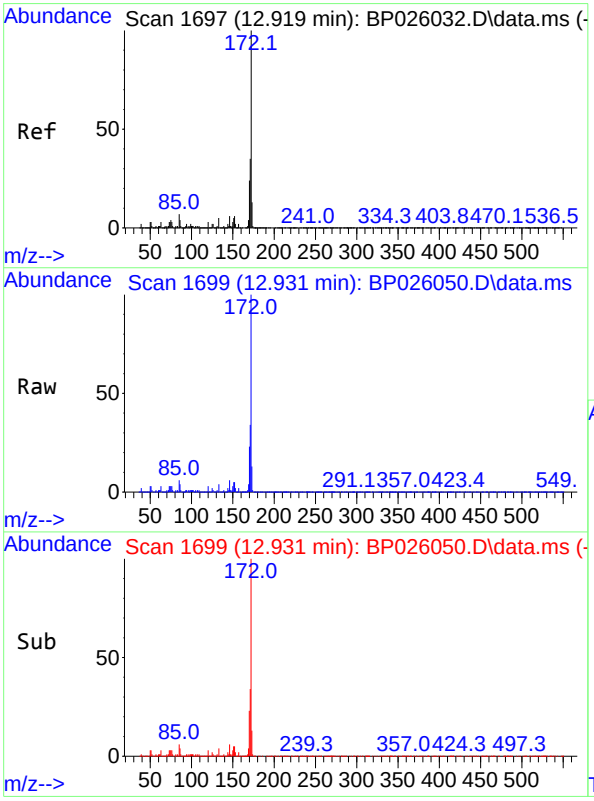
Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.3	115.9
141	35.8	28.6	42.8



Instrument :
BNA_P
ClientSampleId :
B9-0.0-1.0-20251023

Manual Integrations APPROVED

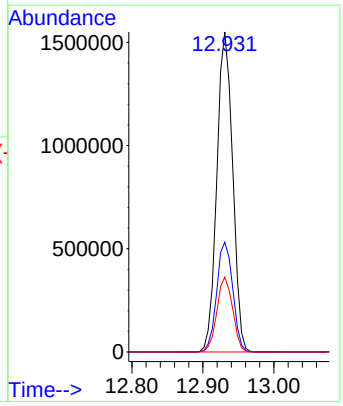
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

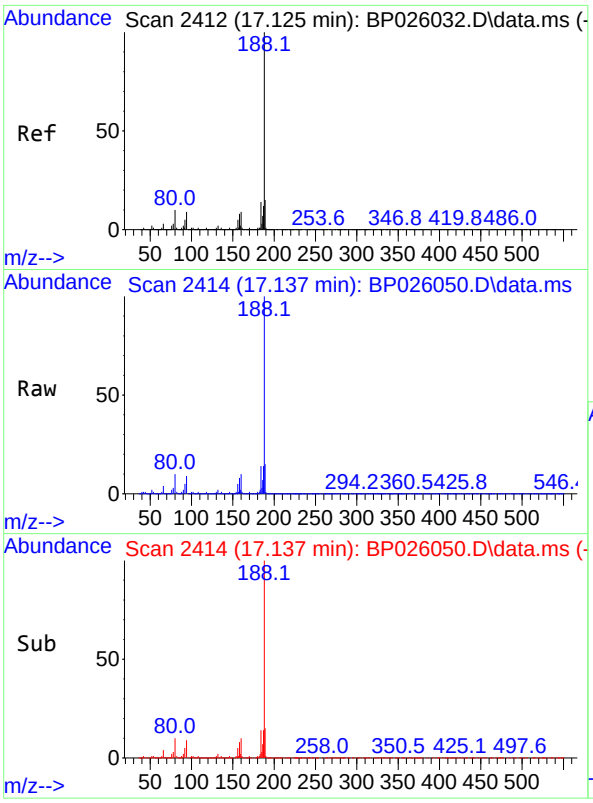


#45
2-Fluorobiphenyl
Concen: 46.891 ng
RT: 12.931 min Scan# 1699
Delta R.T. -0.000 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30

Tgt Ion:172 Resp: 2387392

Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.9	41.9
170	23.4	19.0	28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.137 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30

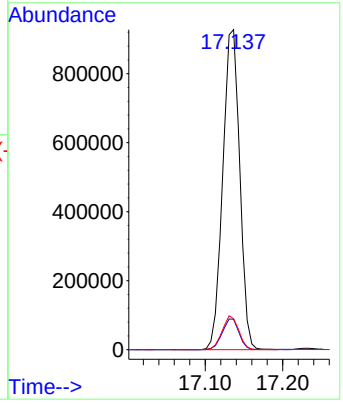
Tgt Ion:188 Resp: 140976

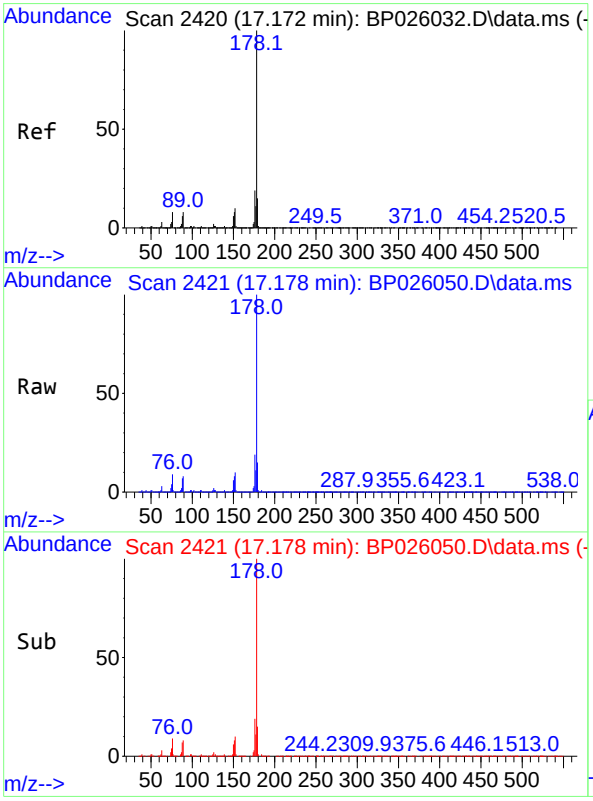
Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.1	10.7
80	9.7	7.9	11.9

Instrument :
BNA_P
ClientSampleId :
B9-0.0-1.0-20251023

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

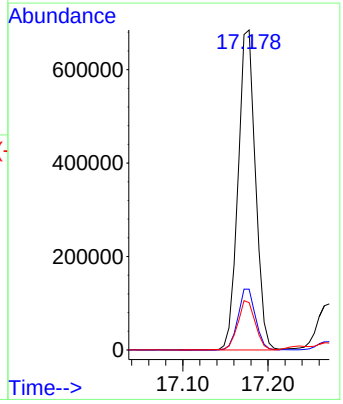


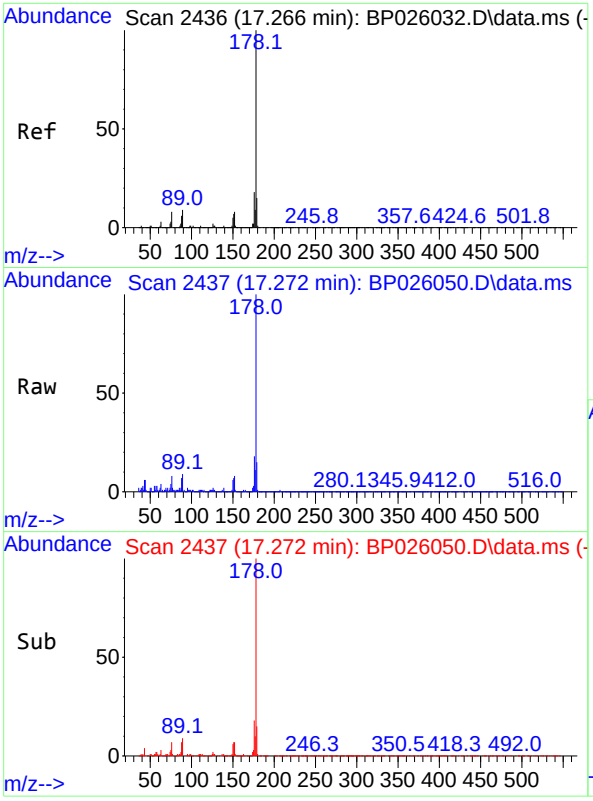


#71
Phenanthrene
Concen: 11.807 ng
RT: 17.178 min Scan# 2421
Delta R.T. 0.006 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30

Tgt Ion:178 Resp: 968860

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	14.8	12.3	18.5

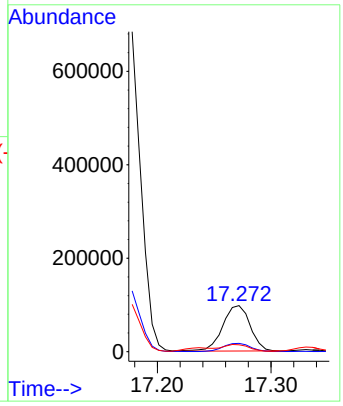




#72
Anthracene
Concen: 2.015 ng
RT: 17.272 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30

Tgt Ion:178 Resp: 16391

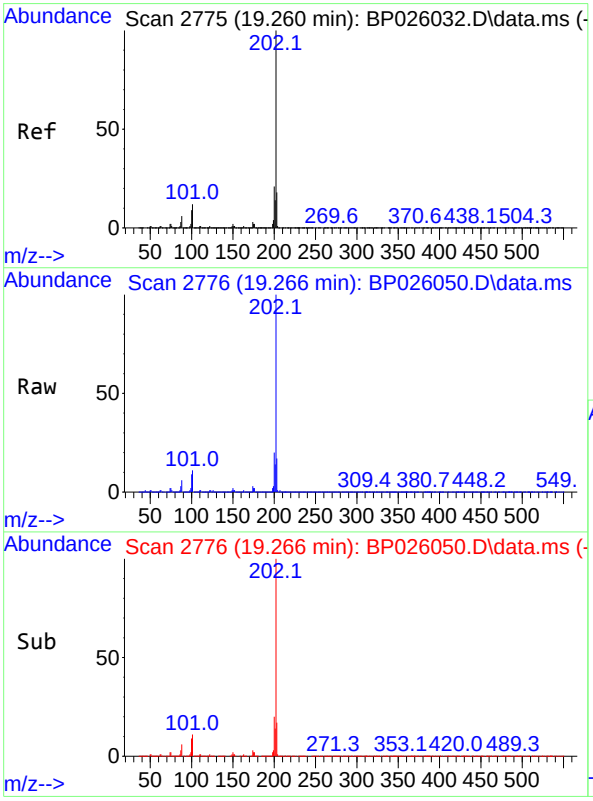
Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.8	22.2
179	14.9	12.2	18.4



Instrument :
BNA_P
ClientSampleId :
B9-0.0-1.0-20251023

Manual Integrations
APPROVED

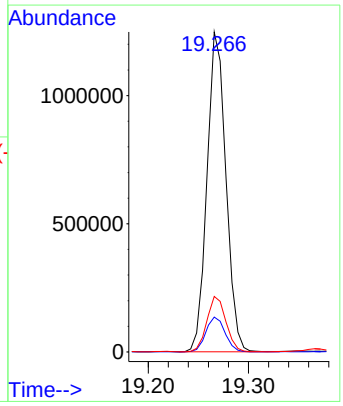
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

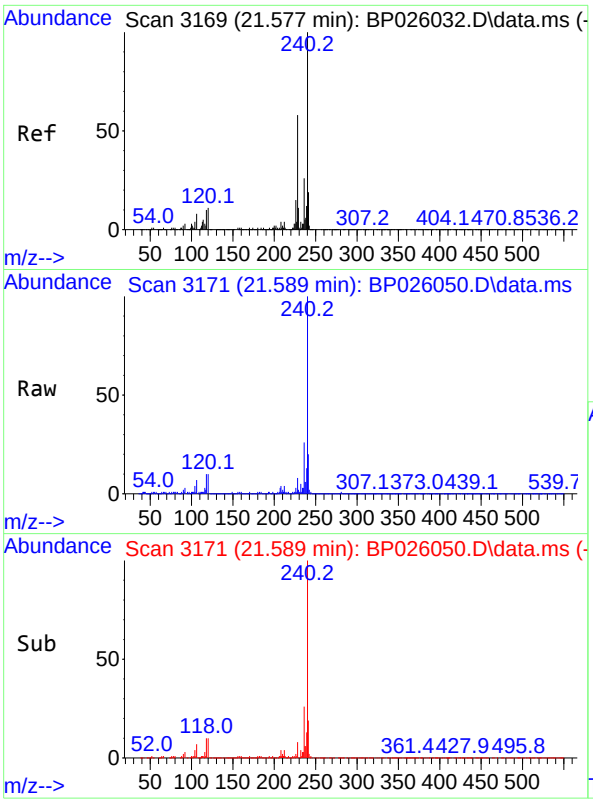


#75
Fluoranthene
Concen: 17.122 ng
RT: 19.266 min Scan# 2776
Delta R.T. 0.006 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30

Tgt Ion:202 Resp: 1638903

Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	32.1
203	17.4	0.0	37.6

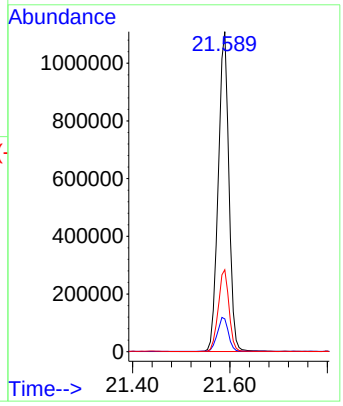




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.589 min Scan# 3
Delta R.T. 0.024 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30

Tgt Ion:240 Resp: 168577

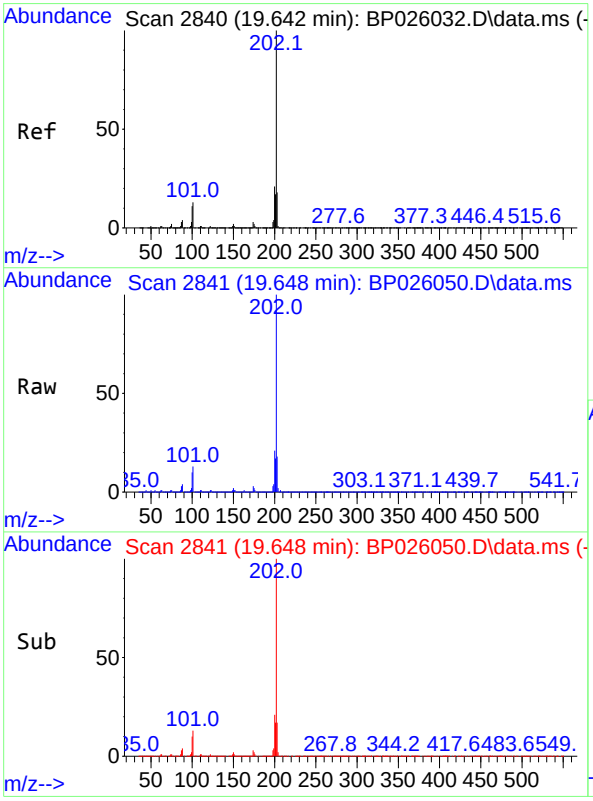
Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.9	13.3
236	25.6	20.6	31.0



Instrument :
BNA_P
ClientSampleId :
B9-0.0-1.0-20251023

Manual Integrations
APPROVED

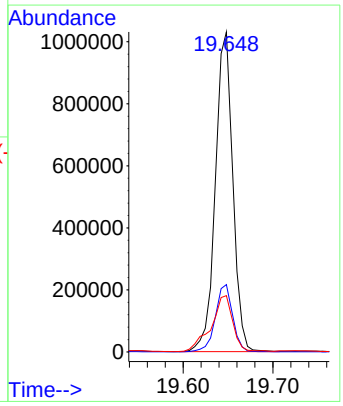
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

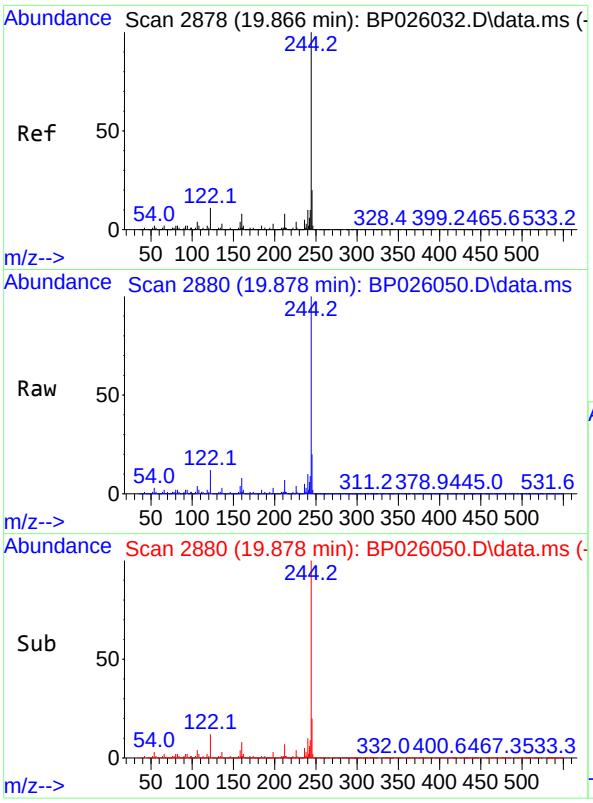


#78
Pyrene
Concen: 12.211 ng
RT: 19.648 min Scan# 2841
Delta R.T. 0.012 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30

Tgt Ion:202 Resp: 1392310

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.6	25.0
203	17.6	14.0	21.0





#79
Terphenyl-d14
Concen: 42.827 ng
RT: 19.878 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30

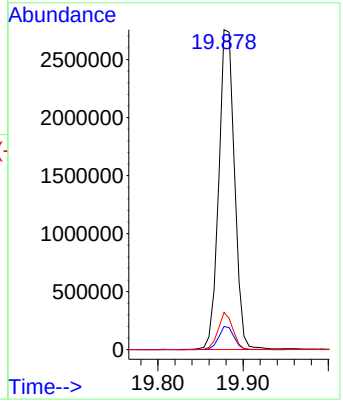
Tgt Ion:244 Resp: 355350

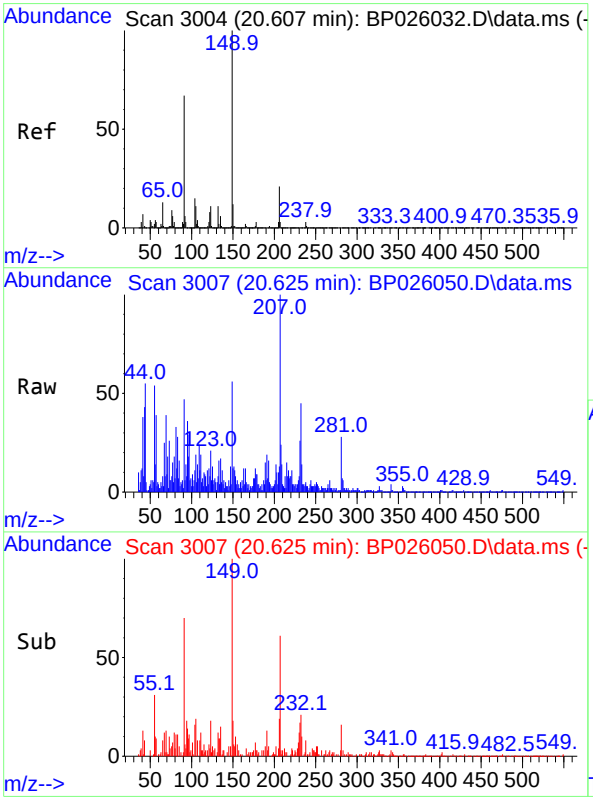
Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	11.7	9.0	13.6

Instrument :
BNA_P
ClientSampleId :
B9-0.0-1.0-20251023

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

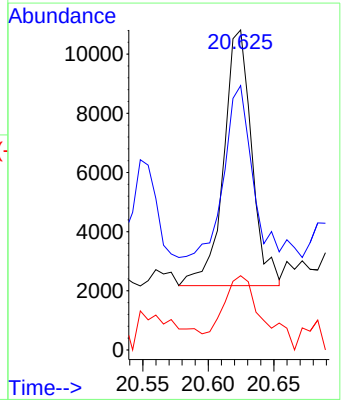


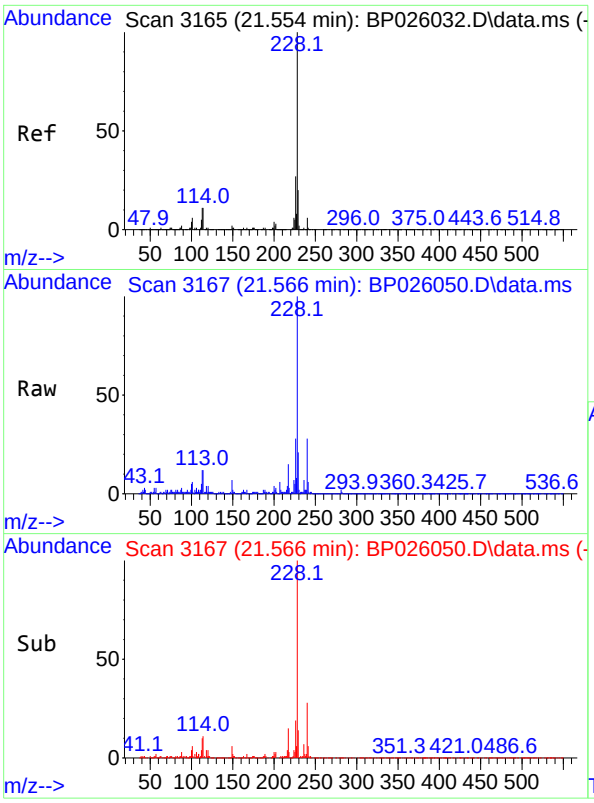


#80
Butylbenzylphthalate
Concen: 3.679 ng
RT: 20.625 min Scan# 3007
Delta R.T. 0.018 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30

Tgt Ion:149 Resp: 12928

Ion	Ratio	Lower	Upper
149	100		
91	82.6	53.5	80.3#
206	23.2	16.6	25.0

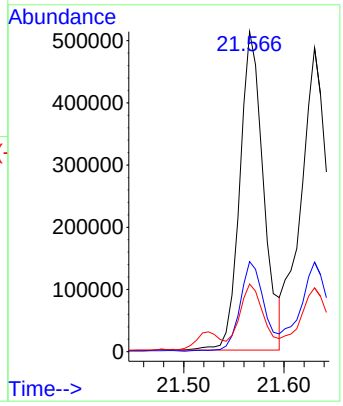




#81
Benzo(a)anthracene
Concen: 7.270 ng
RT: 21.566 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30

Tgt Ion:228 Resp: 84215

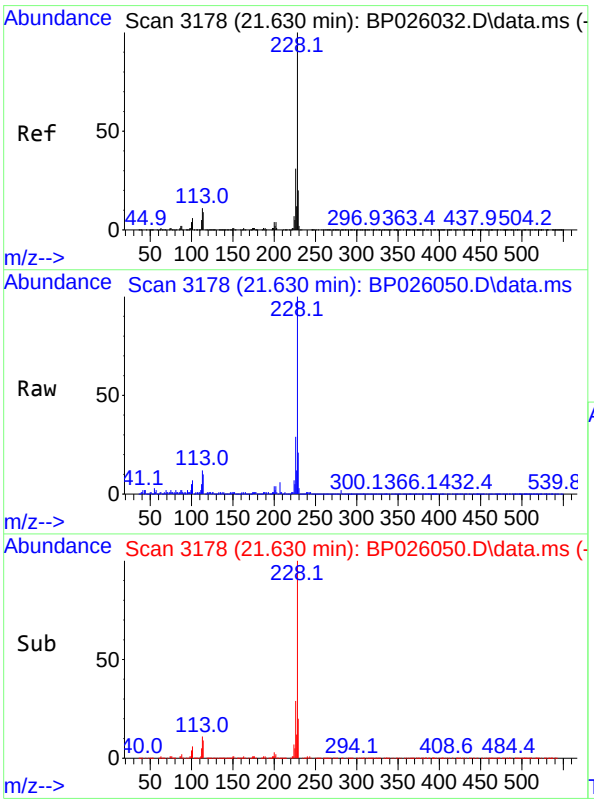
Ion	Ratio	Lower	Upper
228	100		
226	28.2	21.7	32.5
229	21.2	15.8	23.8



Instrument :
BNA_P
ClientSampleId :
B9-0.0-1.0-20251023

Manual Integrations APPROVED

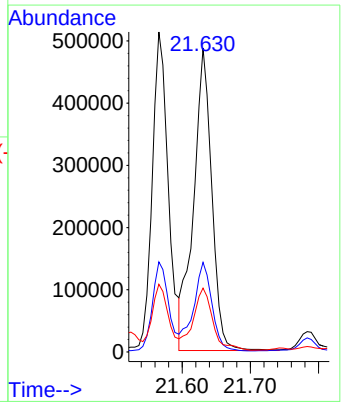
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

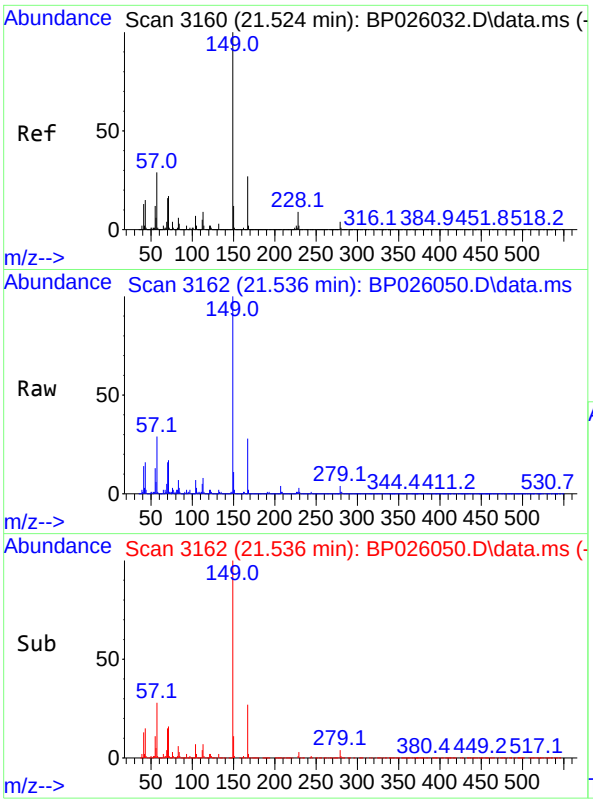


#83
Chrysene
Concen: 8.224 ng
RT: 21.630 min Scan# 3178
Delta R.T. 0.012 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30

Tgt Ion:228 Resp: 902450

Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.4	36.6
229	21.0	16.0	24.0





#84
Bis(2-ethylhexyl)phthalate
Concen: 16.879 ng
RT: 21.536 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30

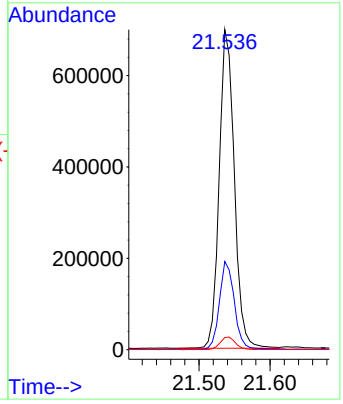
Instrument :
BNA_P
ClientSampleId :
B9-0.0-1.0-20251023

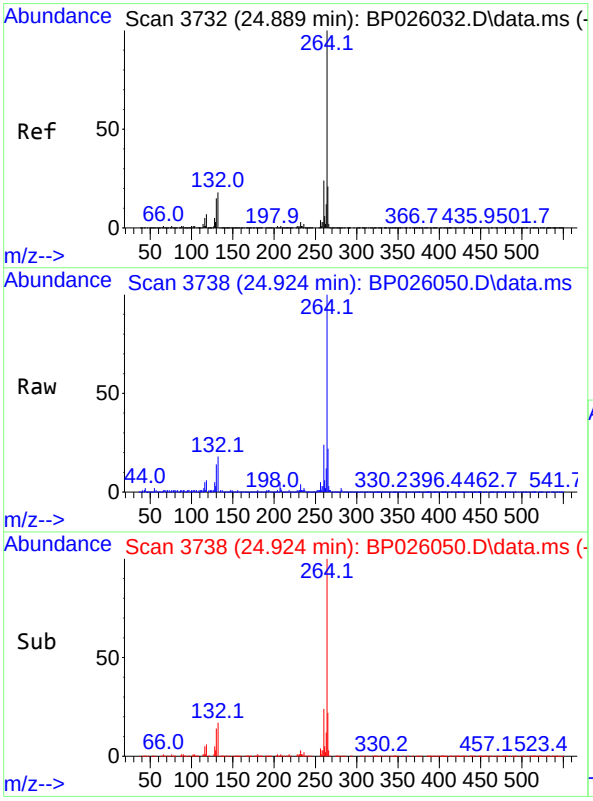
Tgt Ion:149 Resp: 102583

Ion	Ratio	Lower	Upper
149	100		
167	27.6	21.5	32.3
279	3.8	3.0	4.6

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

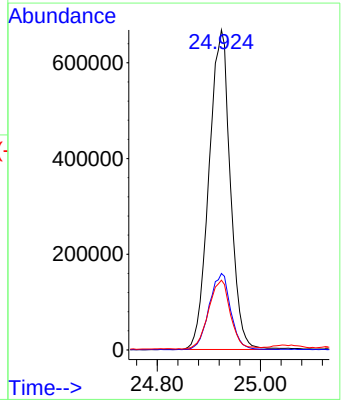


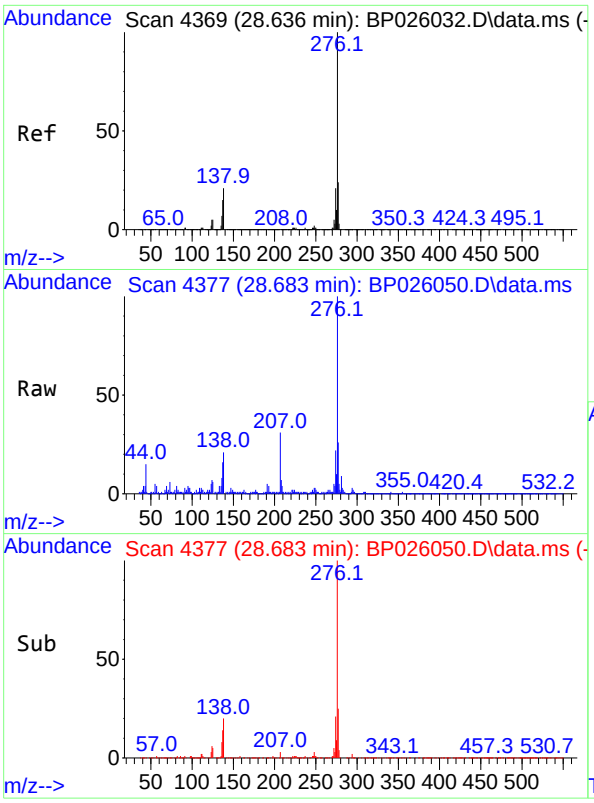


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.924 min Scan# 3738
Delta R.T. 0.042 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30

Tgt Ion:264 Resp: 1916411

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.1	28.7
265	21.8	17.2	25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.112 ng
RT: 28.683 min Scan# 4
Delta R.T. 0.024 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30

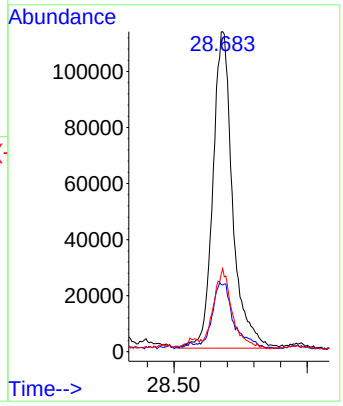
Tgt Ion:276 Resp: 58175

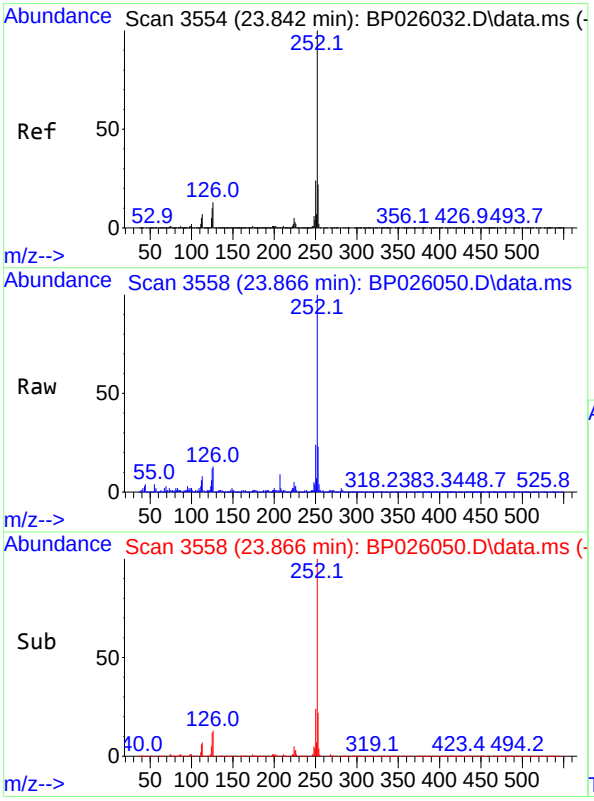
Ion	Ratio	Lower	Upper
276	100		
138	21.7	13.2	19.8#
277	23.9	16.3	24.5

Instrument :
BNA_P
ClientSampleId :
B9-0.0-1.0-20251023

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

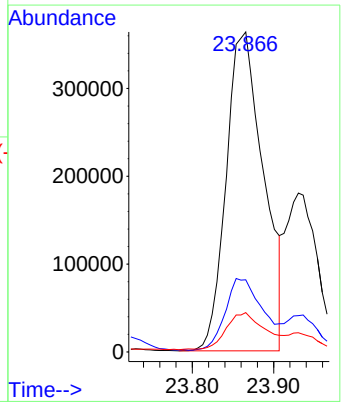


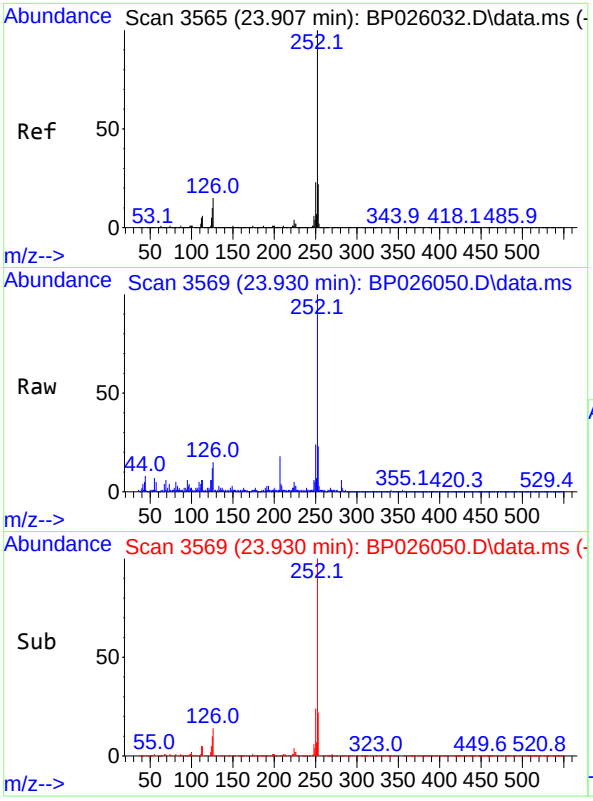


#88
Benzo(b)fluoranthene
Concen: 9.736 ng m
RT: 23.866 min Scan# 3558
Delta R.T. 0.018 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30

Tgt Ion:252 Resp: 1158242

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.6	26.4
125	12.3	8.1	12.1#

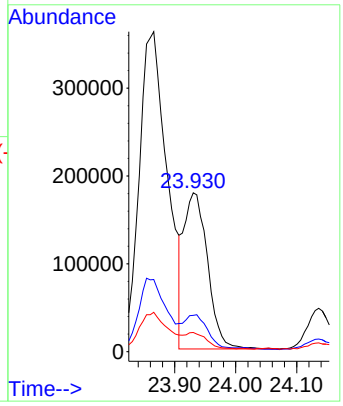




#89
Benzo(k)fluoranthene
Concen: 3.966 ng m
RT: 23.930 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30

Tgt Ion:252 Resp: 48184

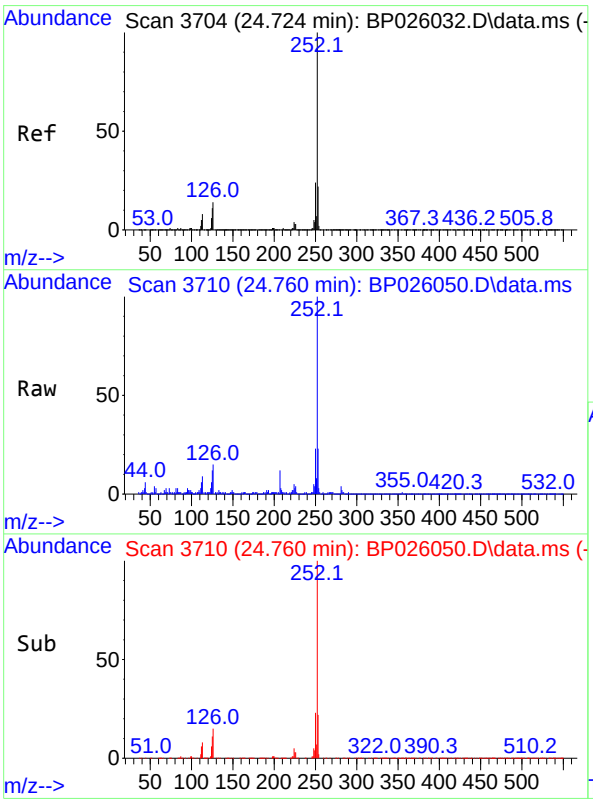
Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	12.1	8.1	12.1



Instrument :
BNA_P
ClientSampleId :
B9-0.0-1.0-20251023

Manual Integrations APPROVED

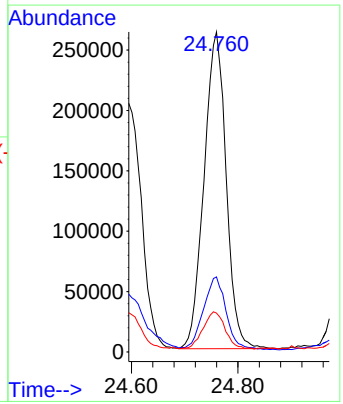
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

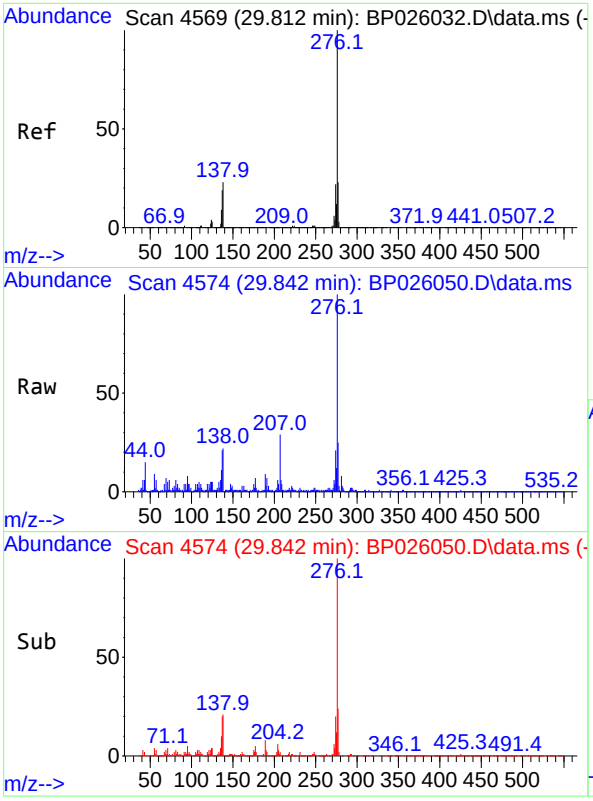


#90
Benzo(a)pyrene
Concen: 6.923 ng
RT: 24.760 min Scan# 3710
Delta R.T. 0.018 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30

Tgt Ion:252 Resp: 756684

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.3	25.9
125	12.2	9.1	13.7

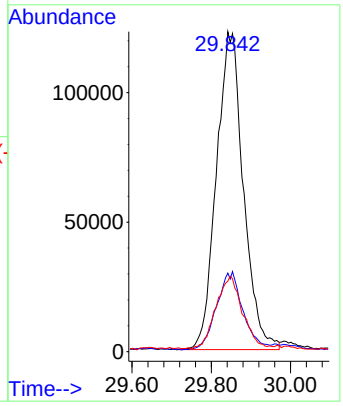




#92
Benzo(g,h,i)perylene
Concen: 5.229 ng
RT: 29.842 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30

Tgt Ion:276 Resp: 57933

Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.5	27.7
138	22.1	18.1	27.1



Instrument :
BNA_P
ClientSampleId :
B9-0.0-1.0-20251023

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

A B C D E F G H I J K

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP103025\
Data File : BP026050.D
Acq On : 30 Oct 2025 20:30
Operator : RC/JU
Sample : Q3466-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B9-0.0-1.0-20251023

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_P\Methods\8270E-BP102925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP026050.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.302	395	402	413	rBV	3656649	5202933	53.82%	5.643%
2	5.802	481	487	493	rVB	149983	214151	2.22%	0.232%
3	6.855	658	666	676	rBV	3170055	5218768	53.99%	5.660%
4	7.684	800	807	815	rBV	1318089	2025453	20.95%	2.197%
5	8.819	991	1000	1007	rBV	1923554	3212095	33.23%	3.484%
6	10.449	1269	1277	1284	rBV	1606046	2675780	27.68%	2.902%
7	12.931	1691	1699	1709	rBV	4353360	6769145	70.02%	7.341%
8	14.325	1929	1936	1943	rBV	2010944	3103465	32.10%	3.366%
9	14.390	1943	1947	1953	rVB	143374	192574	1.99%	0.209%
10	14.737	2000	2006	2009	rBV	76859	114044	1.18%	0.124%
11	15.390	2110	2117	2124	rVB	99533	162546	1.68%	0.176%
12	15.713	2165	2172	2179	rVB	658595	941172	9.74%	1.021%
13	15.837	2187	2193	2204	rBV	3087105	4451874	46.05%	4.828%
14	16.772	2348	2352	2361	rVB	106481	170829	1.77%	0.185%
15	16.937	2377	2380	2386	rVB	65304	107459	1.11%	0.117%
16	17.137	2407	2414	2417	rBV2	2247974	3463626	35.83%	3.756%
17	17.178	2417	2421	2426	rVV	1588496	2222455	22.99%	2.410%
18	17.225	2426	2429	2432	rVV3	76424	109751	1.14%	0.119%
19	17.272	2432	2437	2443	rVB	241332	400125	4.14%	0.434%
20	17.454	2463	2468	2474	rVB	185143	249330	2.58%	0.270%
21	17.548	2476	2484	2490	rBV	179760	339373	3.51%	0.368%
22	18.042	2562	2568	2572	rBV	162758	254699	2.63%	0.276%
23	18.095	2572	2577	2585	rVV	819426	1136024	11.75%	1.232%
24	18.166	2585	2589	2596	rVV2	155126	327748	3.39%	0.355%
25	18.254	2597	2604	2607	rVV2	218875	436800	4.52%	0.474%
26	18.284	2607	2609	2615	rVB	119931	147452	1.53%	0.160%
27	18.572	2653	2658	2660	rBV	120254	199956	2.07%	0.217%
28	18.601	2660	2663	2671	rVB	193462	266836	2.76%	0.289%
29	19.001	2729	2731	2736	rVB	96095	129305	1.34%	0.140%
30	19.060	2737	2741	2746	rVV5	79950	171200	1.77%	0.186%
31	19.136	2750	2754	2764	rVB3	115875	264838	2.74%	0.287%
32	19.266	2771	2776	2785	rBV	2797077	3751564	38.81%	4.069%
33	19.431	2800	2804	2808	rBV	298295	414715	4.29%	0.450%
34	19.525	2817	2820	2825	rVB	80947	104506	1.08%	0.113%
35	19.648	2832	2841	2846	rBV	2240626	3516897	36.38%	3.814%
36	19.731	2853	2855	2863	rVB2	109551	141979	1.47%	0.154%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP103025\
Data File : BP026050.D
Acq On : 30 Oct 2025 20:30
Operator : RC/JU
Sample : Q3466-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B9-0.0-1.0-20251023

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_P\Methods\8270E-BP102925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	19.842	2870	2874	2875	rBV	148040	161094	1.67%	0.175%
38	19.878	2875	2880	2891	rVB	7450036	9666987	100.00%	10.484%
39	19.995	2893	2900	2906	rBV5	117414	341455	3.53%	0.370%
40	20.136	2920	2924	2926	rBV3	100607	168784	1.75%	0.183%
41	20.172	2927	2930	2935	rVB2	227213	287665	2.98%	0.312%
42	20.331	2953	2957	2962	rBV	244598	322469	3.34%	0.350%
43	20.483	2980	2983	2987	rVB2	118340	151272	1.56%	0.164%
44	20.536	2988	2992	2999	rBV4	112031	297767	3.08%	0.323%
45	20.954	3059	3063	3069	rBV	277669	401538	4.15%	0.435%
46	21.136	3091	3094	3095	rBV	121125	140556	1.45%	0.152%
47	21.242	3109	3112	3116	rBV2	234847	380126	3.93%	0.412%
48	21.295	3116	3121	3131	rVB3	395667	956369	9.89%	1.037%
49	21.536	3157	3162	3165	rBV	2276489	3511579	36.33%	3.808%
50	21.583	3165	3170	3175	rVV2	3237915	7014517	72.56%	7.607%
51	21.630	3175	3178	3190	rVB	1241157	2143129	22.17%	2.324%
52	22.001	3237	3241	3251	rVB4	203790	422455	4.37%	0.458%
53	22.913	3391	3396	3404	rVB	712205	1296315	13.41%	1.406%
54	23.860	3549	3557	3566	rBV2	888499	3024521	31.29%	3.280%
55	24.142	3601	3605	3618	rVB5	317110	916498	9.48%	0.994%
56	24.595	3676	3682	3699	rVB	525087	1556148	16.10%	1.688%
57	24.760	3702	3710	3719	rVB	658936	1832722	18.96%	1.988%
58	24.924	3729	3738	3746	rBV	1703748	4601040	47.60%	4.990%

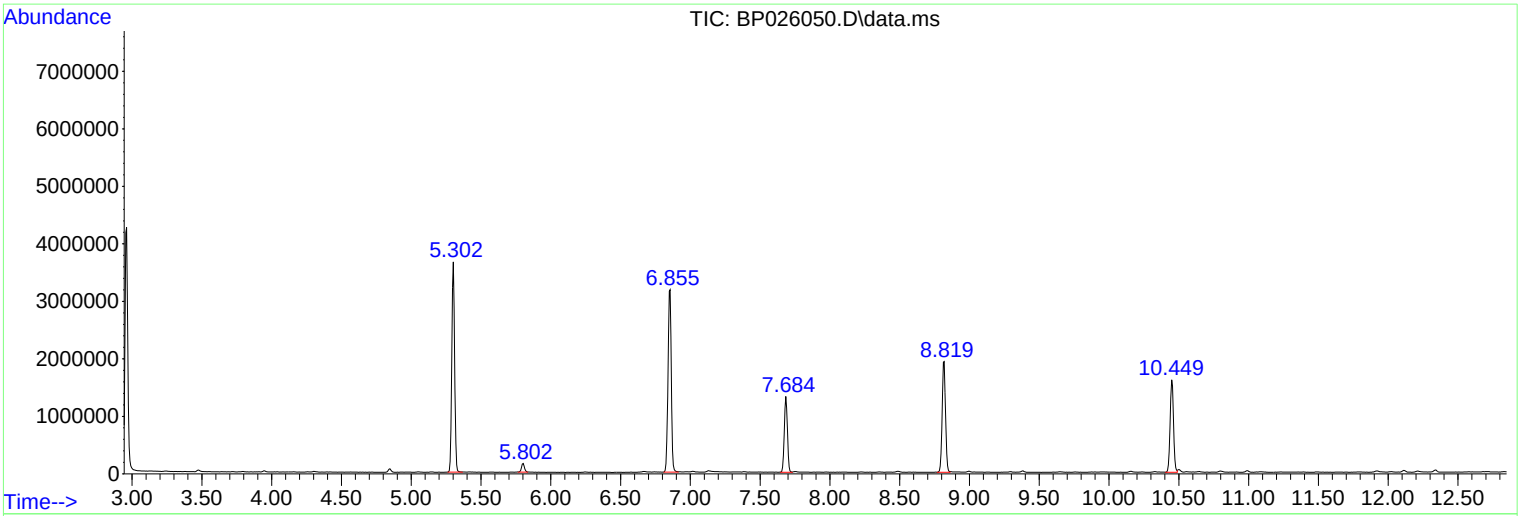
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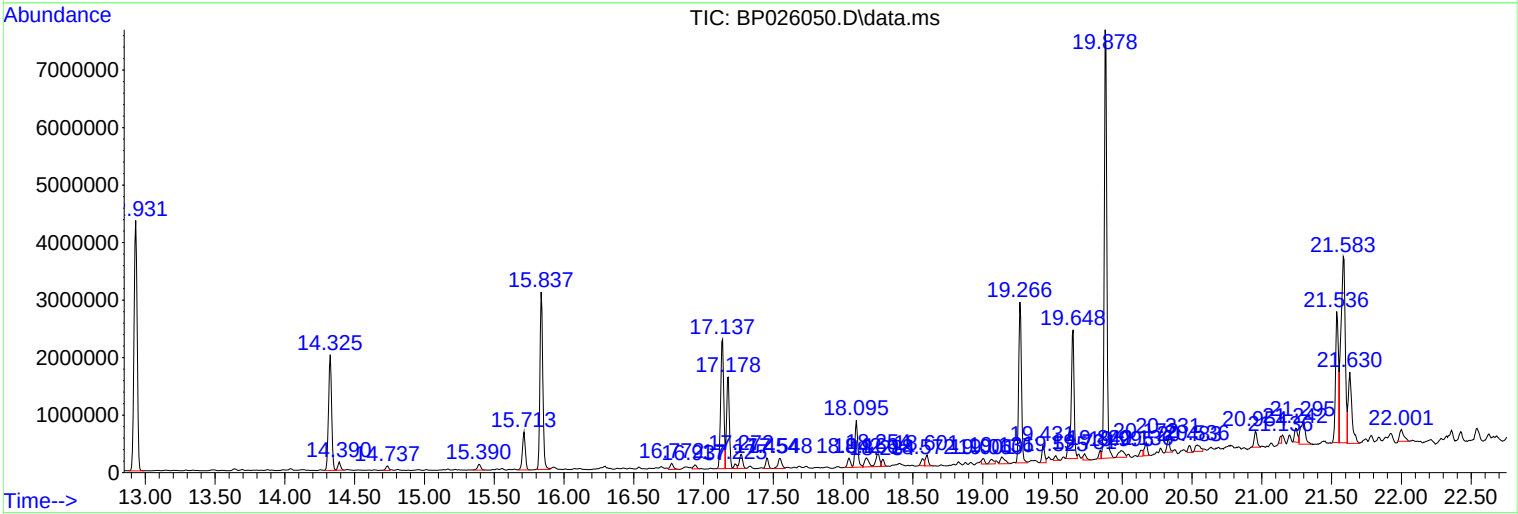
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Data File : BP026050.D
Acq On : 30 Oct 2025 20:30
Operator : RC/JU
Sample : Q3466-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

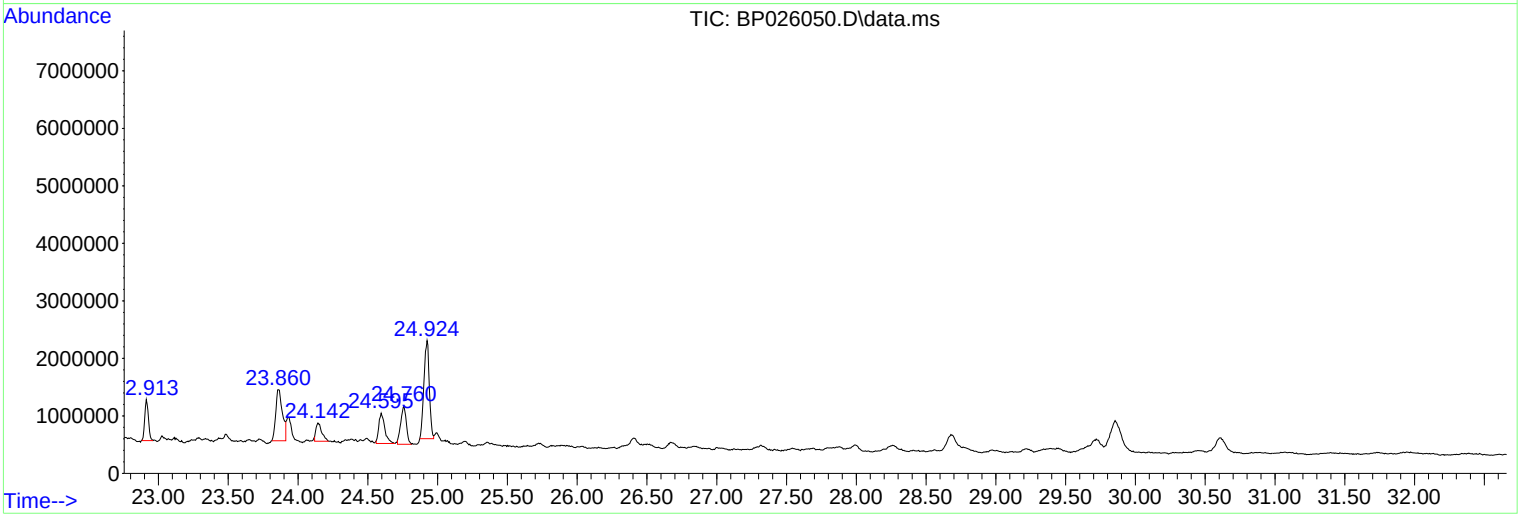
Instrument :
BNA_P
ClientSampleId :
B9-0.0-1.0-20251023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.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_P\Data\BP103025\
Data File : BP026050.D
Acq On : 30 Oct 2025 20:30
Operator : RC/JU
Sample : Q3466-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B9-0.0-1.0-20251023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

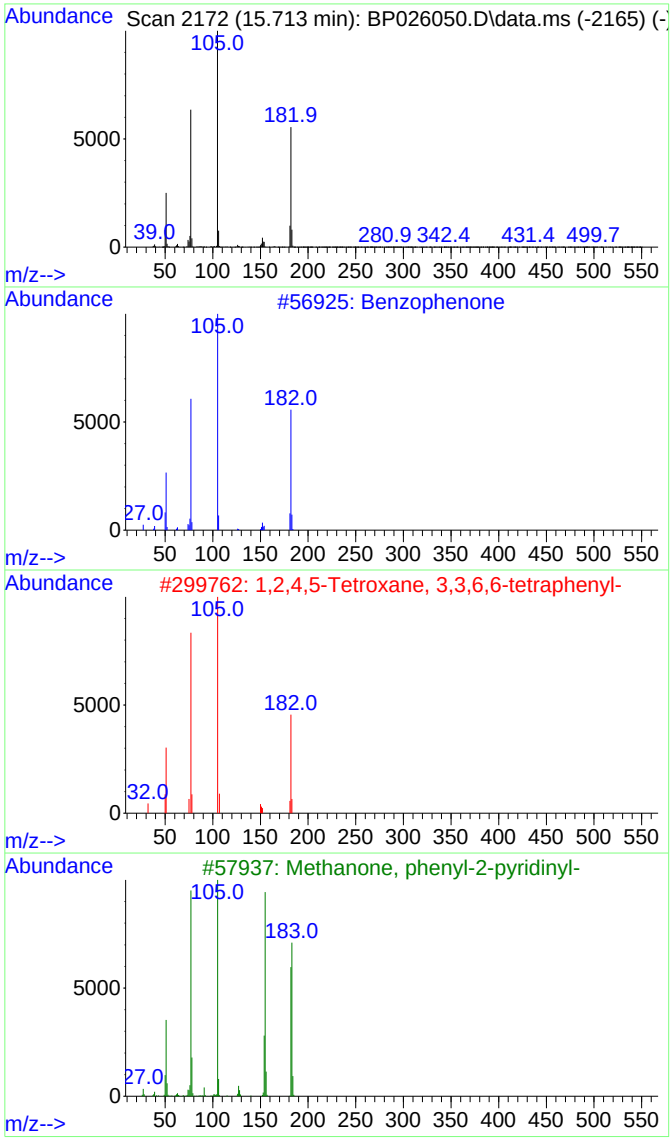
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TIC Integration Parameters: LSCINT.P

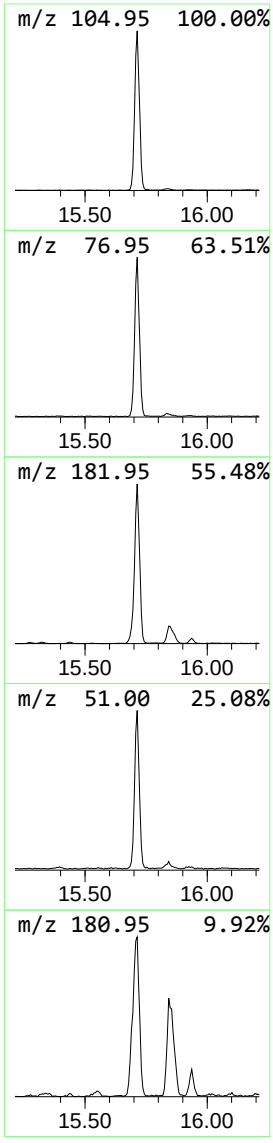
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Peak Number 2 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.713	6.07 ng	941172	Acenaphthene-d10	14.325

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
3	Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	56
4	1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	45
5	Azobenzene	182	C12H10N2	000103-33-3	40





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP103025\
Data File : BP026050.D
Acq On : 30 Oct 2025 20:30
Operator : RC/JU
Sample : Q3466-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B9-0.0-1.0-20251023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

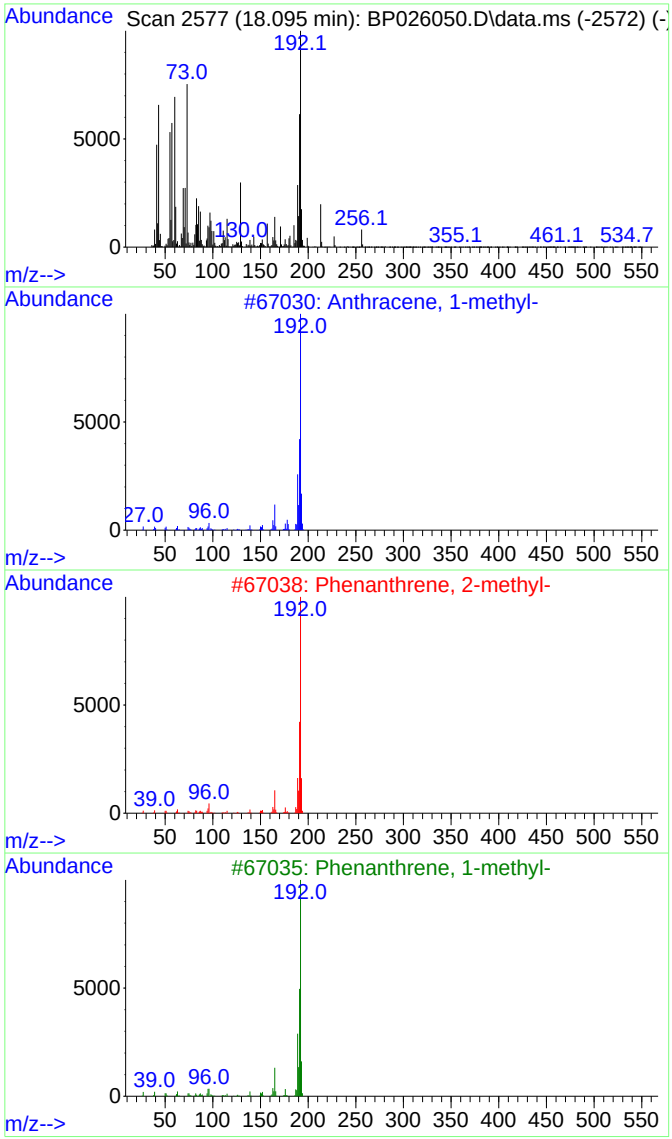
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TIC Integration Parameters: LSCINT.P

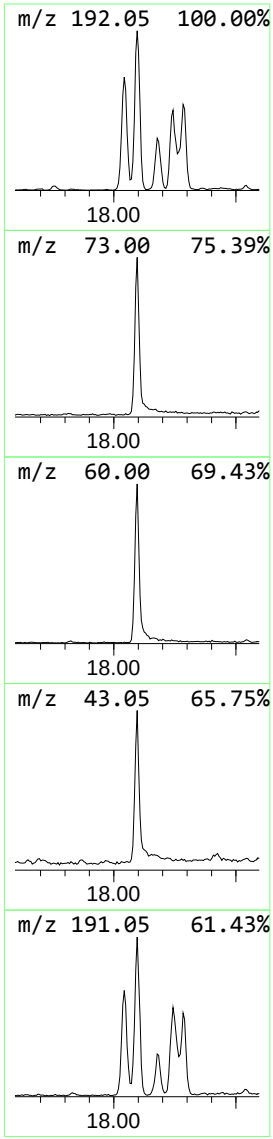
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Peak Number 3 Anthracene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.095	6.56 ng	1136020	Phenanthrene-d10	17.137

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP103025\
Data File : BP026050.D
Acq On : 30 Oct 2025 20:30
Operator : RC/JU
Sample : Q3466-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B9-0.0-1.0-20251023

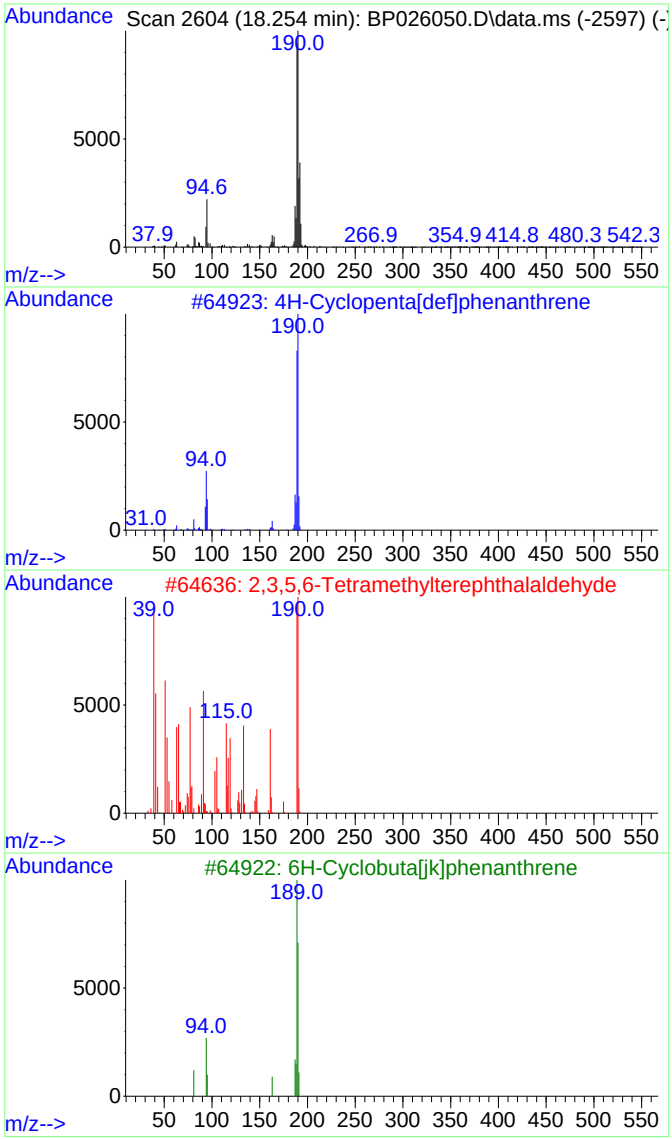
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

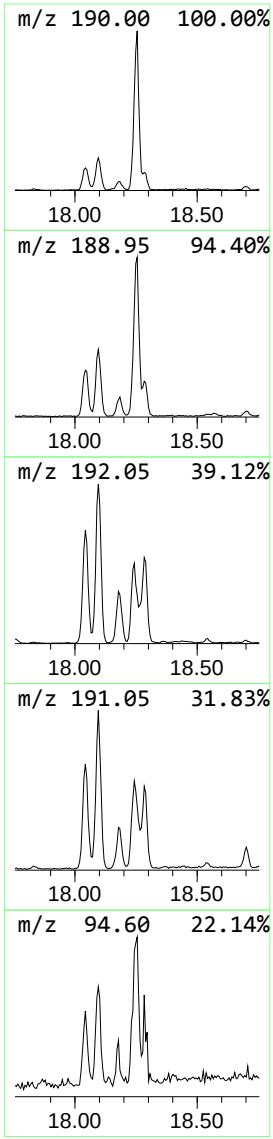
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.254	2.52 ng	436800	Phenanthrene-d10	17.137

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5	Epilupeol; 20(29)-Lupen-3alpha-o...	468	C32H52O2	1010513-01-8	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP103025\
Data File : BP026050.D
Acq On : 30 Oct 2025 20:30
Operator : RC/JU
Sample : Q3466-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B9-0.0-1.0-20251023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

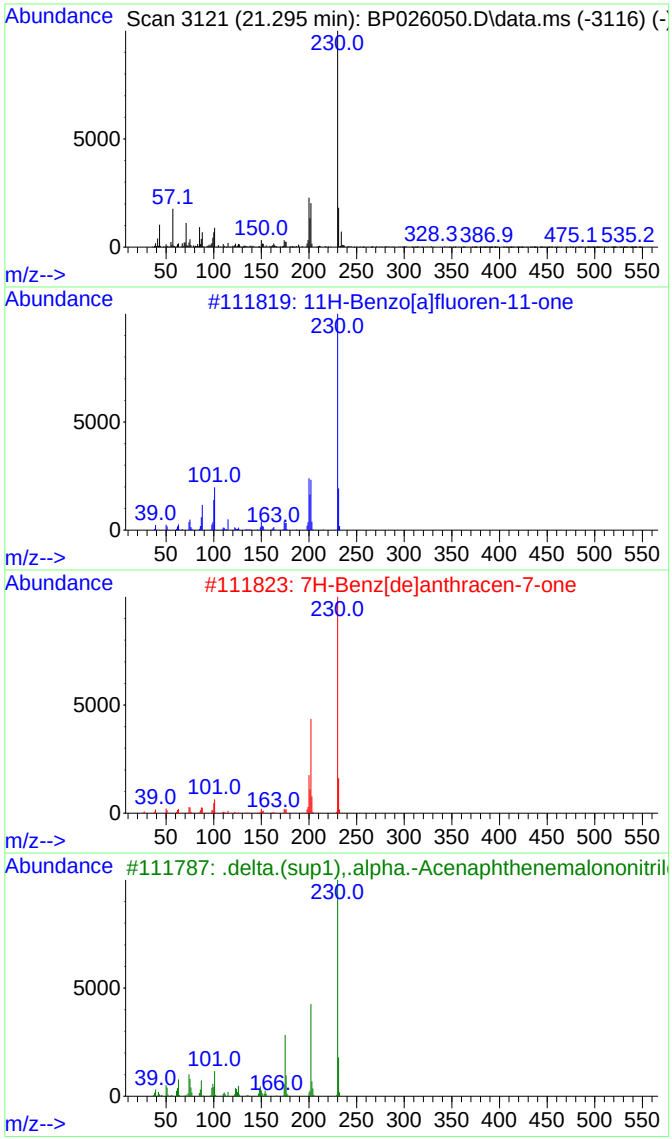
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

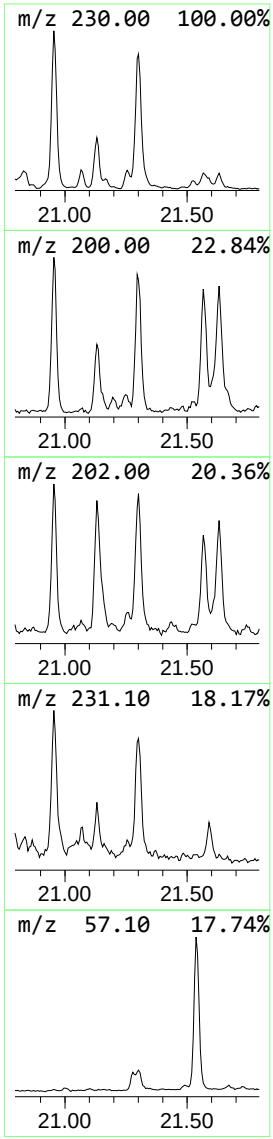
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Peak Number 5 11H-Benzo[a]fluoren-11-one Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.295	2.73 ng	956369	Chrysene-d12	21.589

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	93
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
3	.delta.(sup1),.alpha.-Acenaphthe...	230	C15H6N2O	014619-86-4	53
4	Benzo(b)phenazine	230	C16H10N2	000257-97-6	47
5	p-Terphenyl	230	C18H14	000092-94-4	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP103025\
Data File : BP026050.D
Acq On : 30 Oct 2025 20:30
Operator : RC/JU
Sample : Q3466-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B9-0.0-1.0-20251023

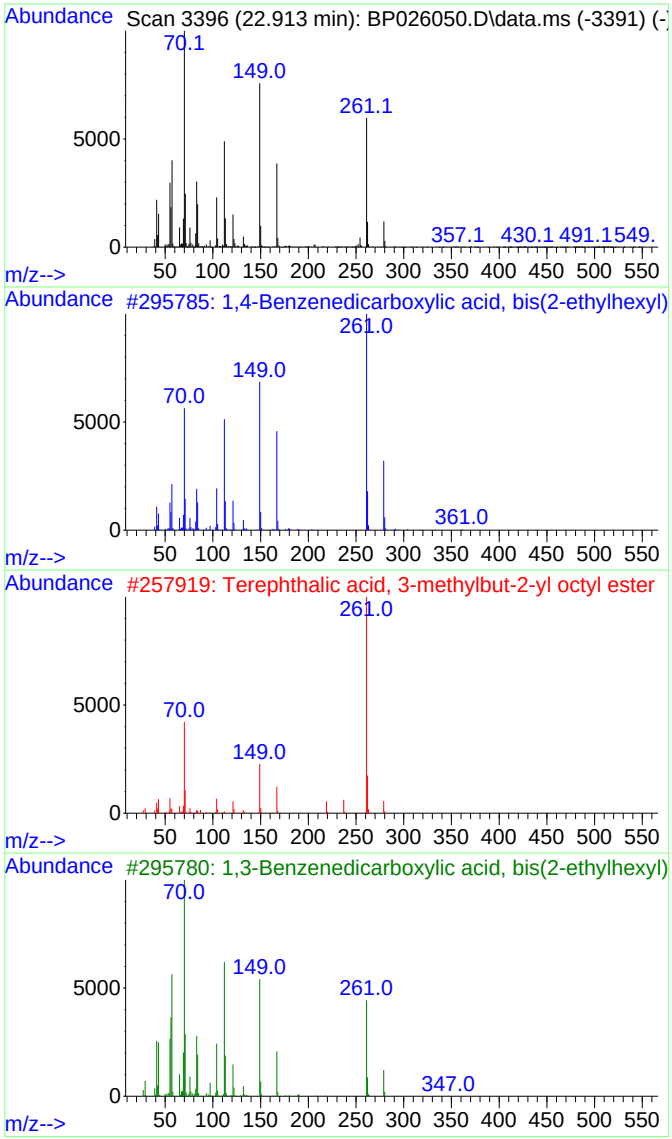
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

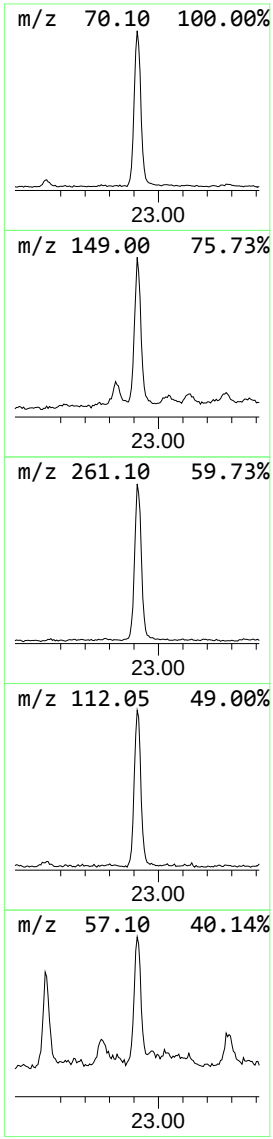
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1,4-Benzenedicarboxylic aci... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.913	3.70 ng	1296320	Chrysene-d12	21.589

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Benzenedicarboxylic acid, bi...	390	C24H38O4	006422-86-2	91
2	Terephthalic acid, 3-methylbut-2...	348	C21H32O4	1000356-27-6	59
3	1,3-Benzenedicarboxylic acid, bi...	390	C24H38O4	000137-89-3	58
4	Terephthalic acid, monochloride,...	296	C16H21ClO3	1000324-22-9	38
5	Phthalic acid, 6-ethyloct-3-yl 2...	418	C26H42O4	1000315-53-8	27





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP103025\
Data File : BP026050.D
Acq On : 30 Oct 2025 20:30
Operator : RC/JU
Sample : Q3466-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B9-0.0-1.0-20251023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

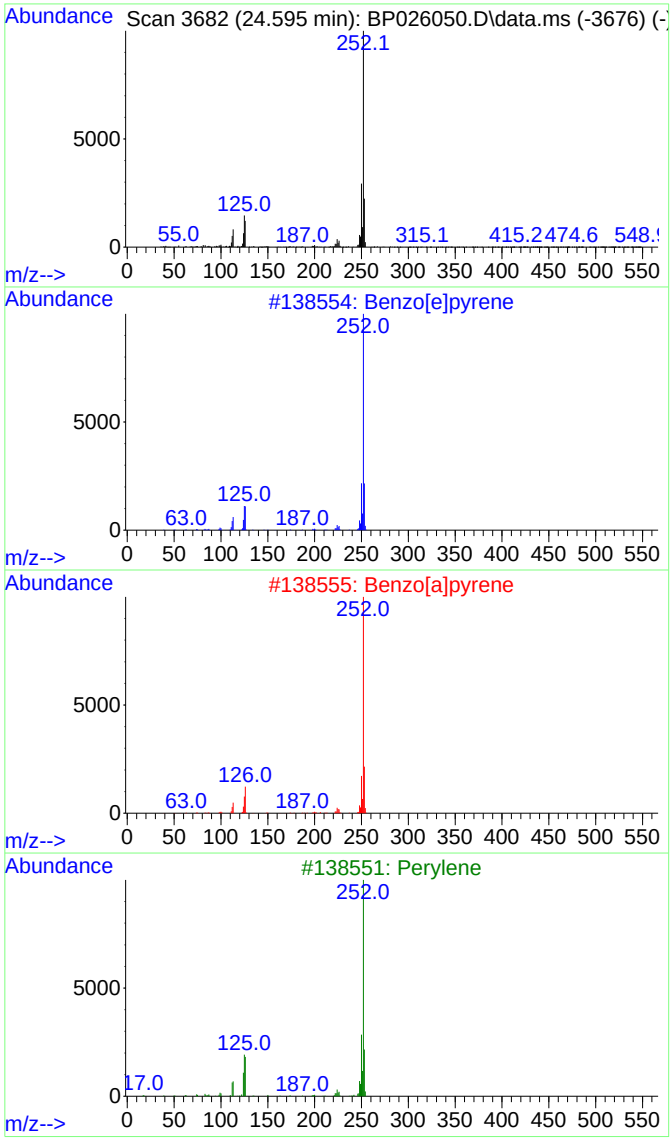
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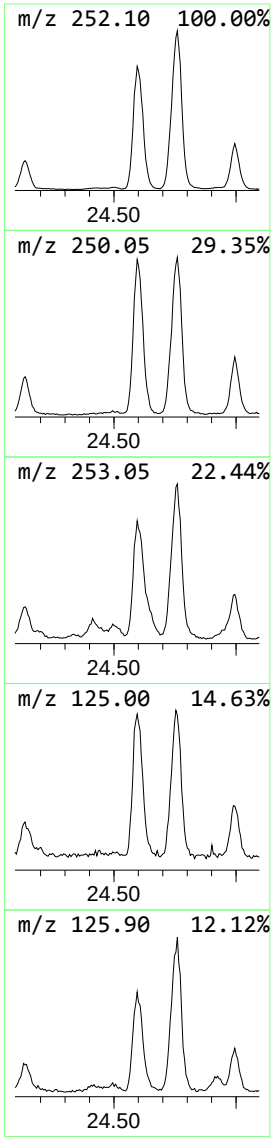
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Peak Number 8 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.595	6.76 ng	1556150	Perylene-d12	24.924

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	97
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP103025\
Data File : BP026050.D
Acq On : 30 Oct 2025 20:30
Operator : RC/JU
Sample : Q3466-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B9-0.0-1.0-20251023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.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	15.713	6.1	ng	941172	3	14.325	3103470	20.0
Anthracene, 1-m...	18.095	6.6	ng	1136020	4	17.137	3463630	20.0
4H-Cyclopenta[d...	18.254	2.5	ng	436800	4	17.137	3463630	20.0
11H-Benzo[a]flu...	21.295	2.7	ng	956369	5	21.589	7014520	20.0
1,4-Benzenedica...	22.913	3.7	ng	1296320	5	21.589	7014520	20.0
Benzo[e]pyrene	24.595	6.8	ng	1556150	6	24.924	4601040	20.0

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP103025\
Data File : BP026051.D
Acq On : 30 Oct 2025 21:11
Operator : RC/JU
Sample : Q3466-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B7-1.0-2.0-20251023

Quant Time: Oct 31 02:17:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

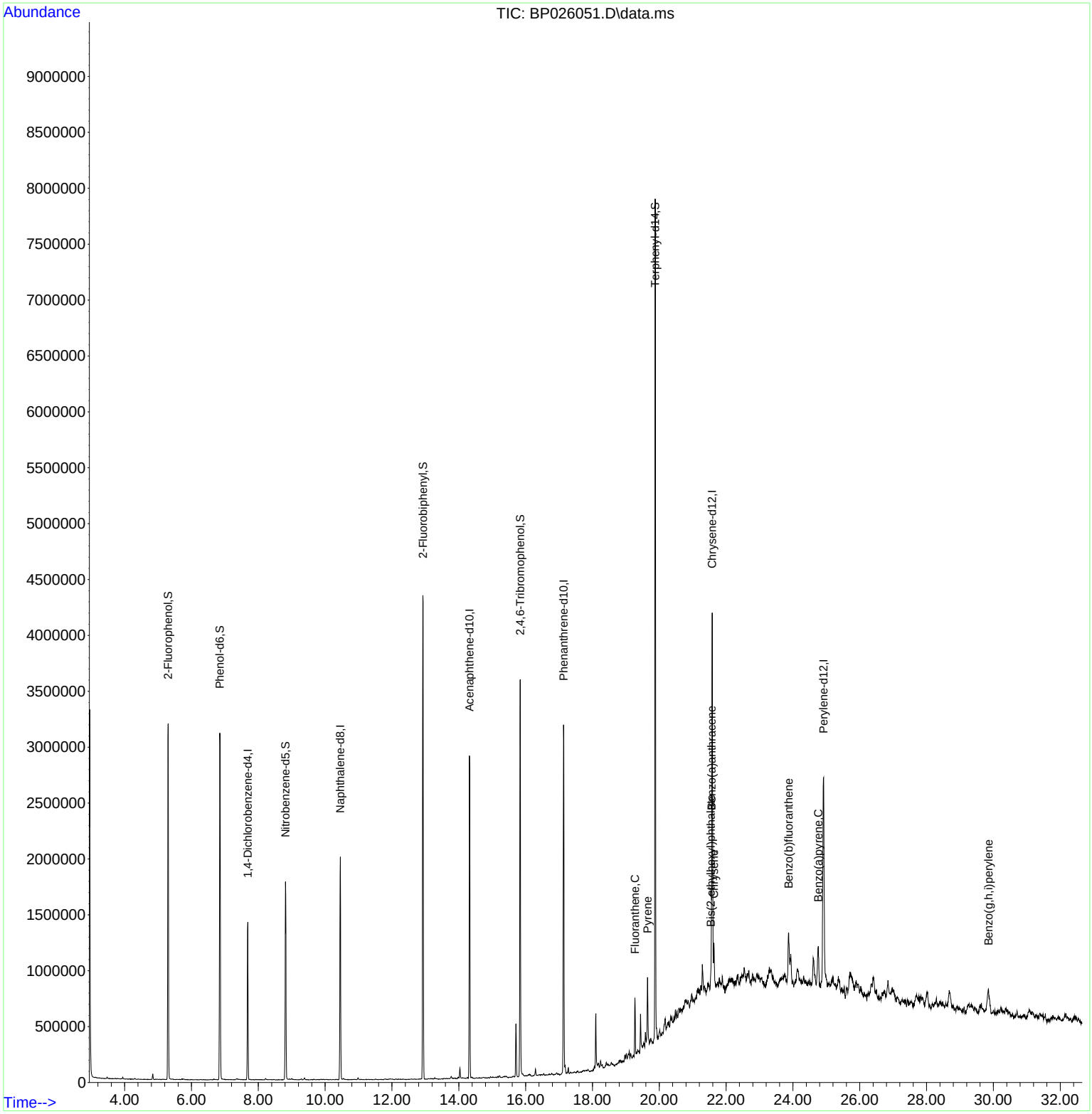
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.684	152	374852	20.000	ng		0.00
21) Naphthalene-d8	10.454	136	1574285	20.000	ng		0.00
39) Acenaphthene-d10	14.319	164	1003733	20.000	ng		0.00
64) Phenanthrene-d10	17.137	188	2090155	20.000	ng		0.01
76) Chrysene-d12	21.583	240	1916756	20.000	ng		0.02
86) Perylene-d12	24.918	264	1966081	20.000	ng		0.04
System Monitoring Compounds							
5) 2-Fluorophenol	5.302	112	1428503	62.883	ng		0.00
7) Phenol-d6	6.849	99	1860557	64.347	ng		0.00
23) Nitrobenzene-d5	8.813	82	981703	38.874	ng		-0.01
42) 2,4,6-Tribromophenol	15.837	330	655937	60.448	ng		0.00
45) 2-Fluorobiphenyl	12.931	172	2308607	33.050	ng		0.00
79) Terphenyl-d14	19.878	244	3754937	39.801	ng		0.01
Target Compounds							Qvalue
75) Fluoranthene	19.272	202	341015	2.403	ng		99
78) Pyrene	19.648	202	440794	3.400	ng		98
81) Benzo(a)anthracene	21.566	228	333231	2.530	ng		95
83) Chrysene	21.636	228	350457	2.809	ng		98
84) Bis(2-ethylhexyl)phtha...	21.542	149	58759	3.317	ng	#	93
88) Benzo(b)fluoranthene	23.871	252	511476	4.191	ng	#	95
90) Benzo(a)pyrene	24.760	252	396184	3.533	ng	#	95
92) Benzo(g,h,i)perylene	29.853	276	301510	2.653	ng		96

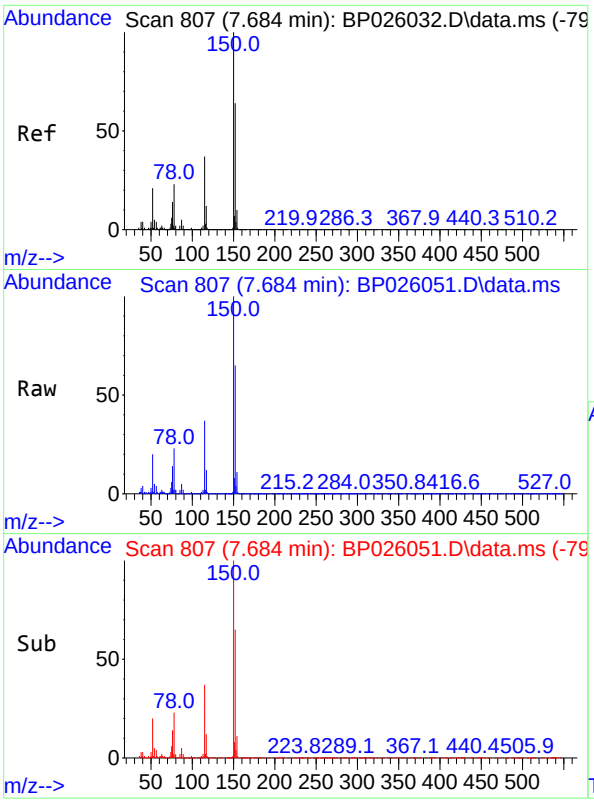
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BP026051.D
Acq On : 30 Oct 2025 21:11
Operator : RC/JU
Sample : Q3466-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B7-1.0-2.0-20251023

Quant Time: Oct 31 02:17:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration



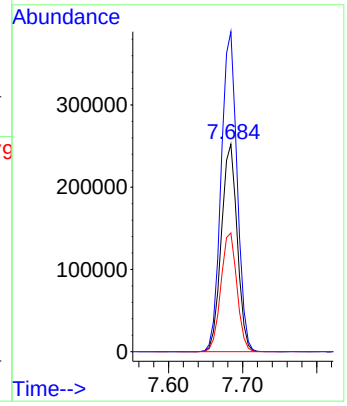


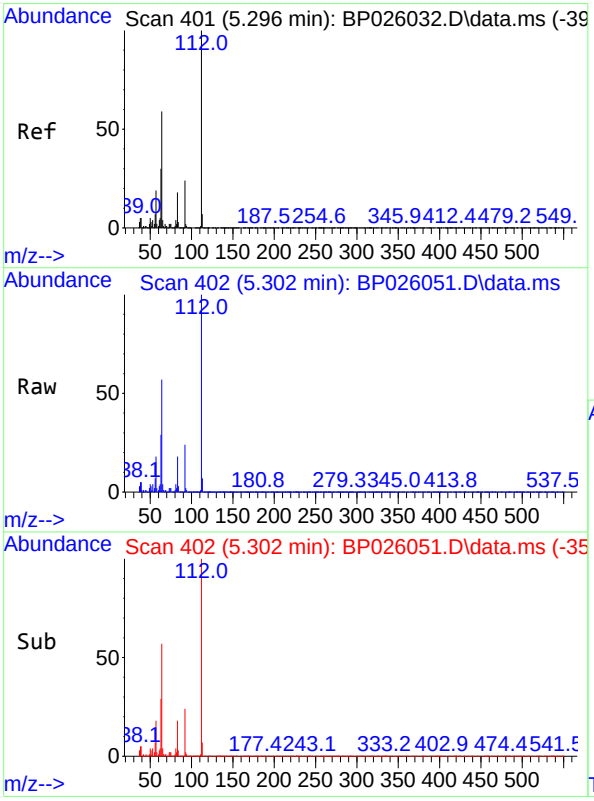
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.684 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP026051.D
Acq: 30 Oct 2025 21:11

Instrument :
BNA_P
ClientSampleId :
B7-1.0-2.0-20251023

Tgt Ion:152 Resp: 374852

Ion	Ratio	Lower	Upper
152	100		
150	154.2	125.7	188.5
115	57.2	46.4	69.6

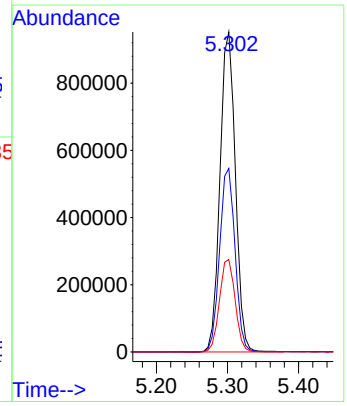


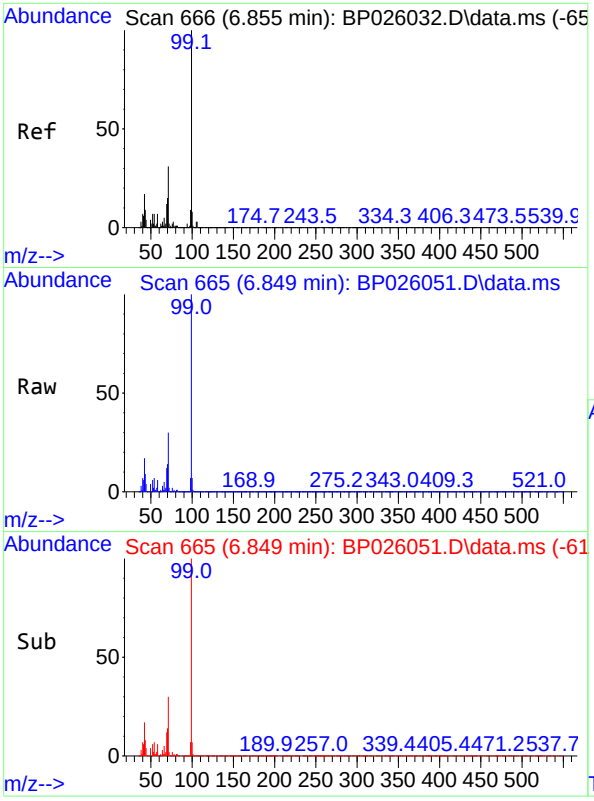


#5
2-Fluorophenol
Concen: 62.883 ng
RT: 5.302 min Scan# 402
Delta R.T. 0.006 min
Lab File: BP026051.D
Acq: 30 Oct 2025 21:11

Tgt Ion:112 Resp: 1428503

Ion	Ratio	Lower	Upper
112	100		
64	57.4	47.4	71.2
63	28.9	24.2	36.4



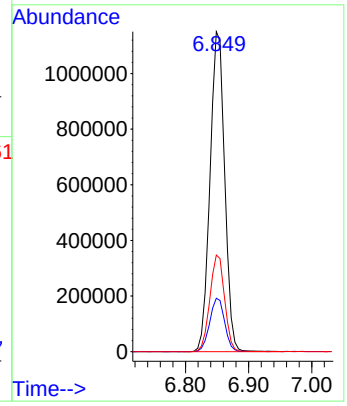


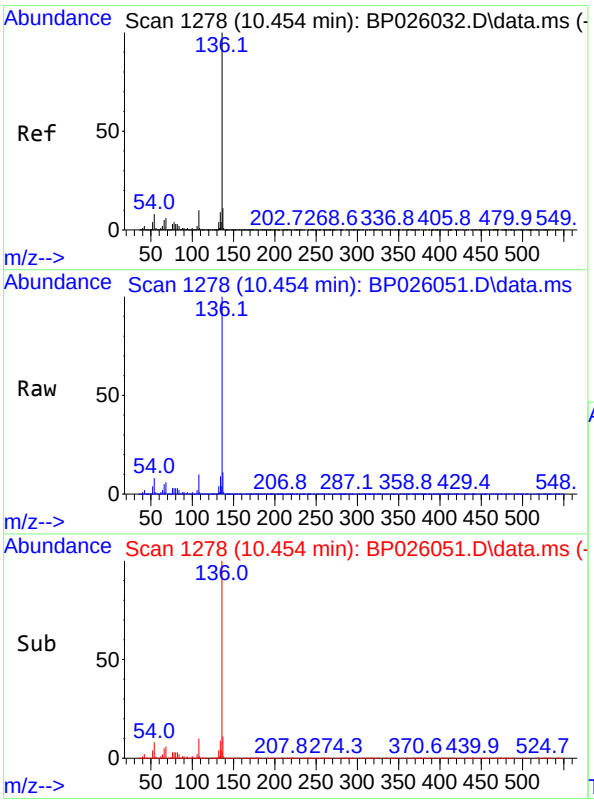
#7
Phenol-d6
Concen: 64.347 ng
RT: 6.849 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP026051.D
Acq: 30 Oct 2025 21:11

Instrument :
BNA_P
ClientSampleId :
B7-1.0-2.0-20251023

Tgt Ion: 99 Resp: 1860557

Ion	Ratio	Lower	Upper
99	100		
42	16.7	13.7	20.5
71	30.2	24.4	36.6

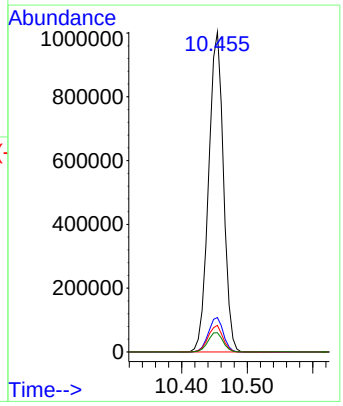


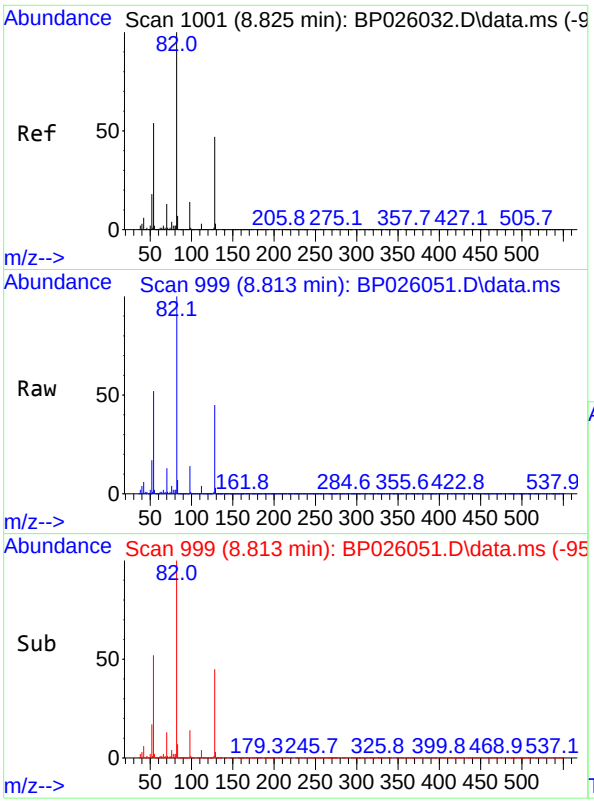


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.454 min Scan# 1278
Delta R.T. 0.000 min
Lab File: BP026051.D
Acq: 30 Oct 2025 21:11

Tgt Ion:136 Resp: 1574285

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	8.3	6.6	10.0
68	6.0	4.7	7.1



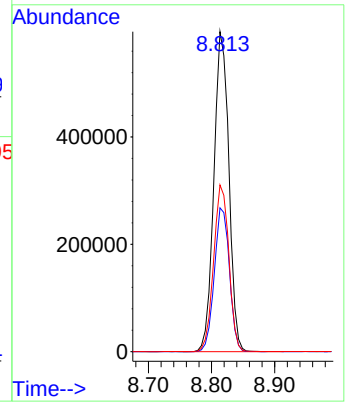


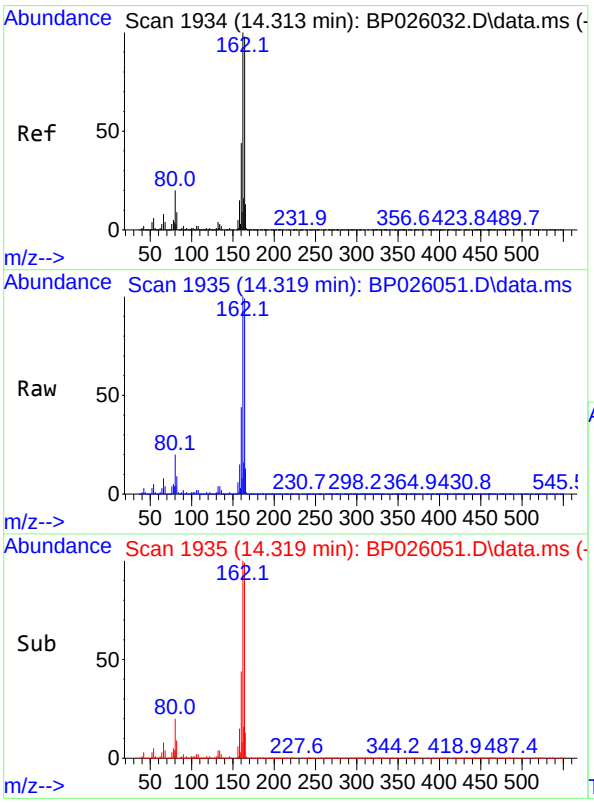
#23
Nitrobenzene-d5
Concen: 38.874 ng
RT: 8.813 min Scan# 9
Delta R.T. -0.011 min
Lab File: BP026051.D
Acq: 30 Oct 2025 21:11

Instrument :
BNA_P
ClientSampleId :
B7-1.0-2.0-20251023

Tgt Ion: 82 Resp: 981703

Ion	Ratio	Lower	Upper
82	100		
128	45.0	37.4	56.0
54	52.1	42.7	64.1

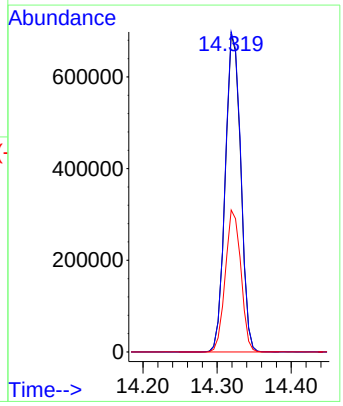


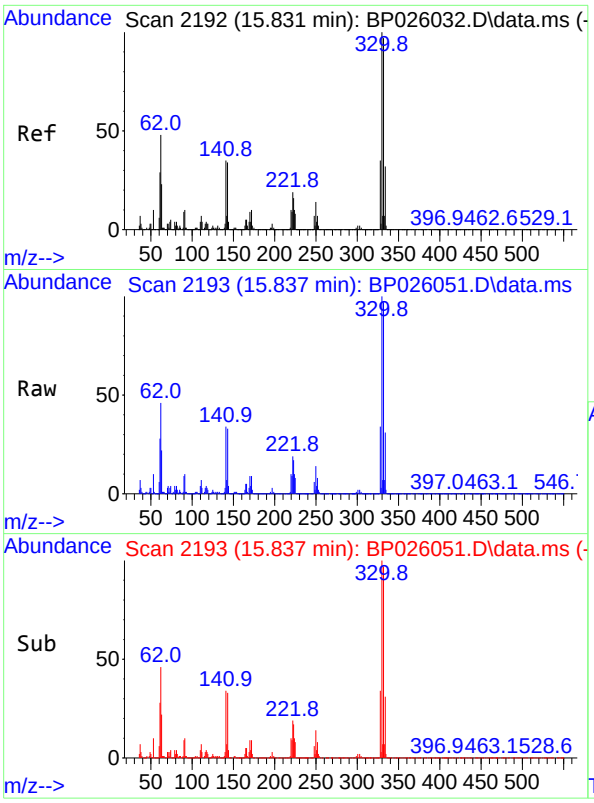


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.319 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BP026051.D
Acq: 30 Oct 2025 21:11

Tgt Ion:164 Resp: 1003733

Ion	Ratio	Lower	Upper
164	100		
162	100.6	81.5	122.3
160	44.6	36.2	54.4



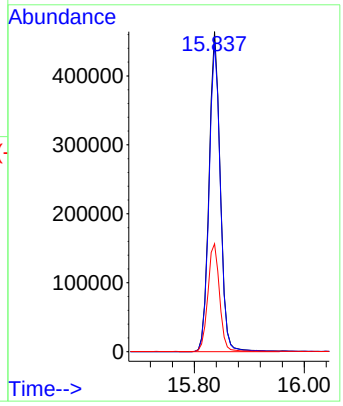


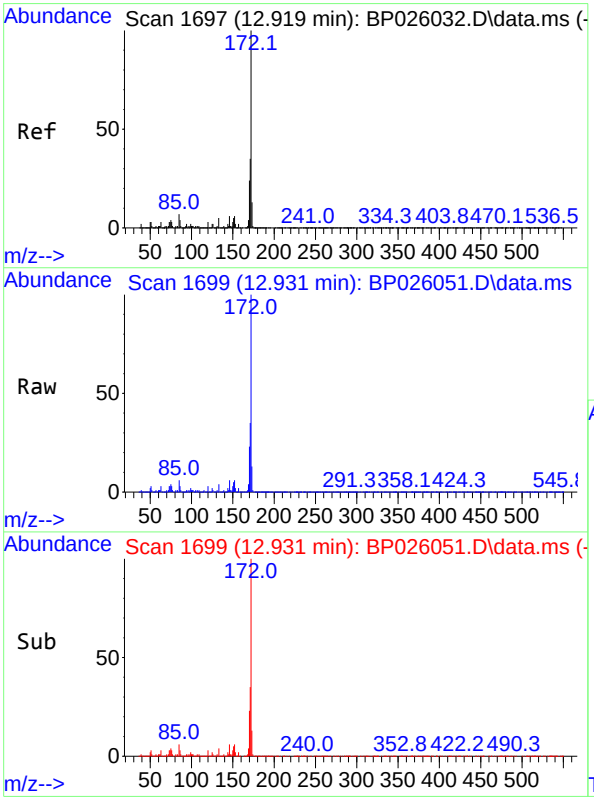
#42
2,4,6-Tribromophenol
Concen: 60.448 ng
RT: 15.837 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP026051.D
Acq: 30 Oct 2025 21:11

Instrument :
BNA_P
ClientSampleId :
B7-1.0-2.0-20251023

Tgt Ion:330 Resp: 655937

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.3	115.9
141	34.8	28.6	42.8

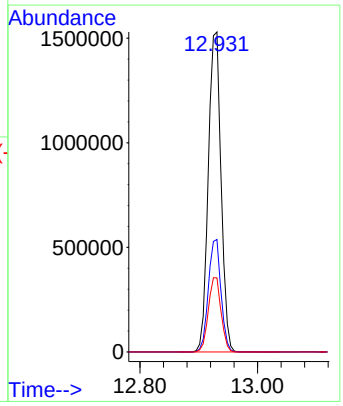


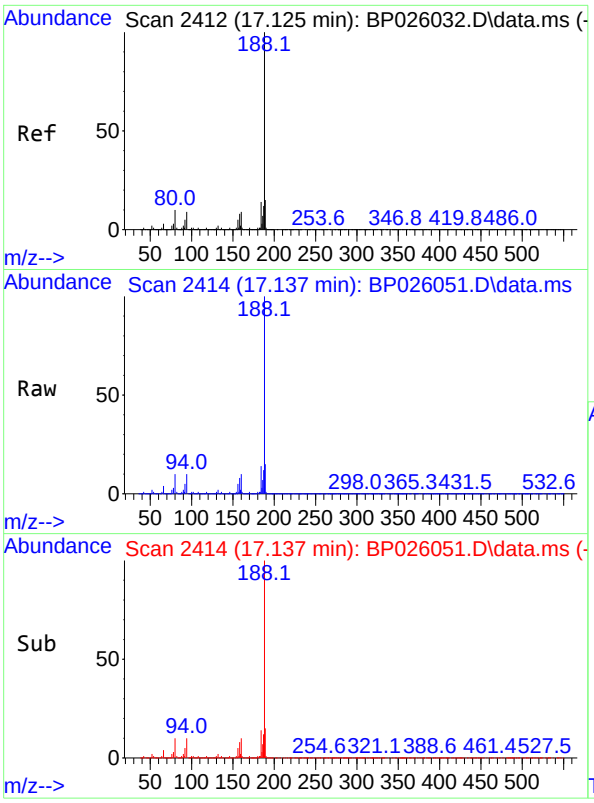


#45
2-Fluorobiphenyl
Concen: 33.050 ng
RT: 12.931 min Scan# 1699
Delta R.T. -0.000 min
Lab File: BP026051.D
Acq: 30 Oct 2025 21:11

Tgt Ion:172 Resp: 2308607

Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.9	41.9
170	23.2	19.0	28.4



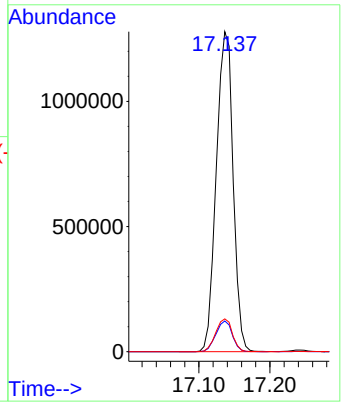


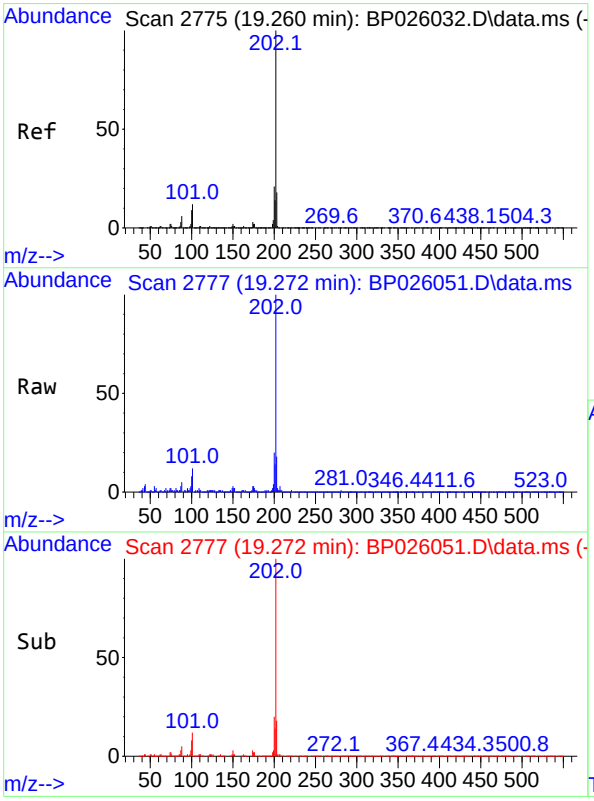
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.137 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP026051.D
Acq: 30 Oct 2025 21:11

Instrument :
BNA_P
ClientSampleId :
B7-1.0-2.0-20251023

Tgt Ion:188 Resp: 2090155

Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.1	10.7
80	10.3	7.9	11.9

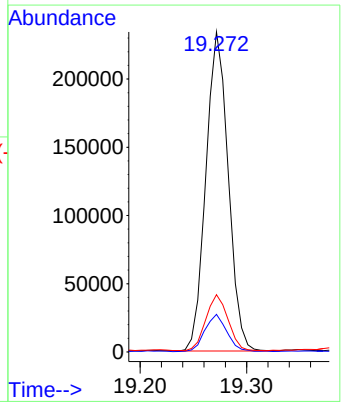


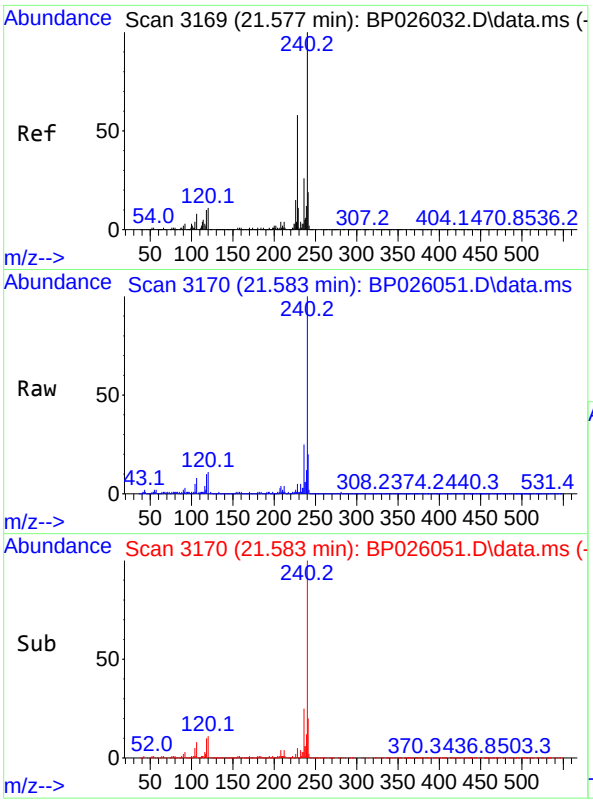


#75
Fluoranthene
Concen: 2.403 ng
RT: 19.272 min Scan# 2777
Delta R.T. 0.012 min
Lab File: BP026051.D
Acq: 30 Oct 2025 21:11

Tgt Ion:202 Resp: 341015

Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	32.1
203	17.9	0.0	37.6



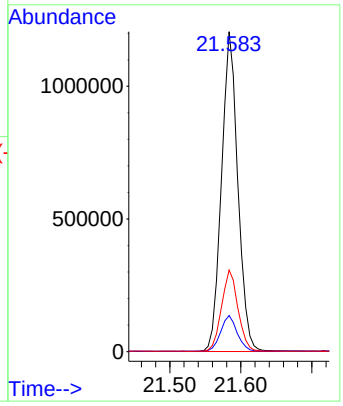


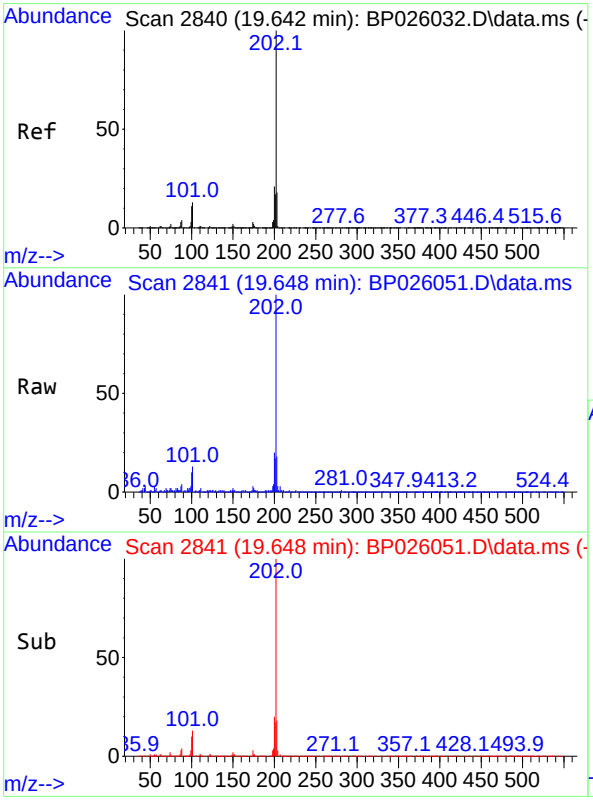
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.583 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP026051.D
Acq: 30 Oct 2025 21:11

Instrument :
BNA_P
ClientSampleId :
B7-1.0-2.0-20251023

Tgt Ion:240 Resp: 1916756

Ion	Ratio	Lower	Upper
240	100		
120	11.3	8.9	13.3
236	25.5	20.6	31.0

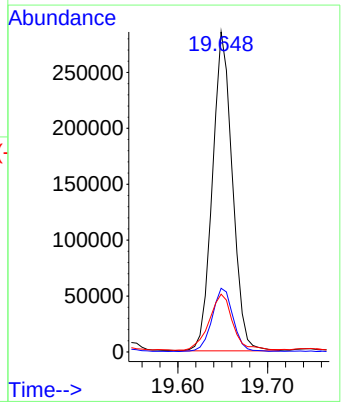


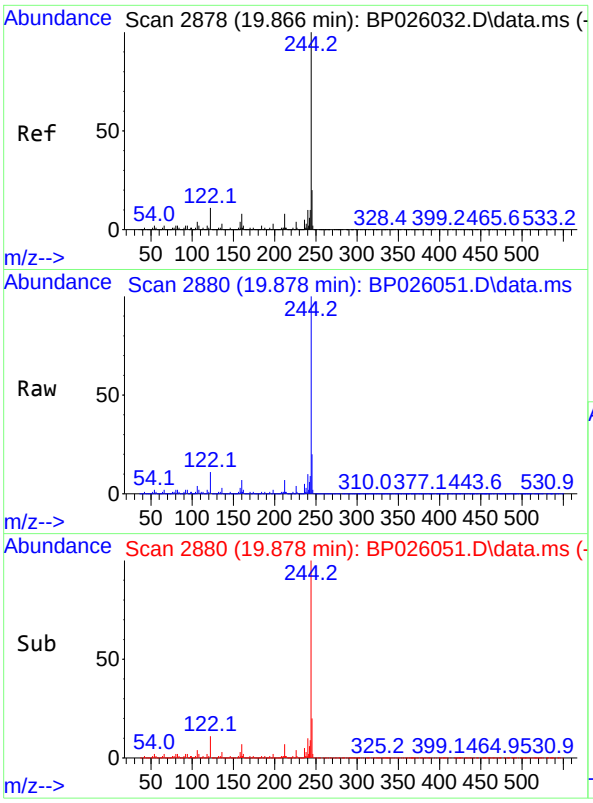


#78
Pyrene
Concen: 3.400 ng
RT: 19.648 min Scan# 2841
Delta R.T. 0.012 min
Lab File: BP026051.D
Acq: 30 Oct 2025 21:11

Tgt Ion:202 Resp: 440794

Ion	Ratio	Lower	Upper
202	100		
200	19.9	16.6	25.0
203	18.0	14.0	21.0



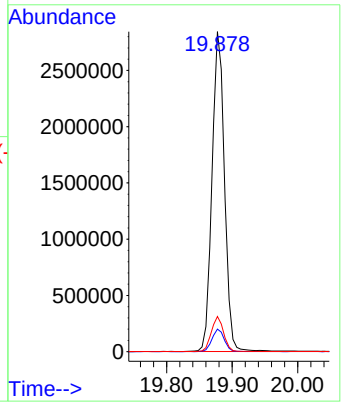


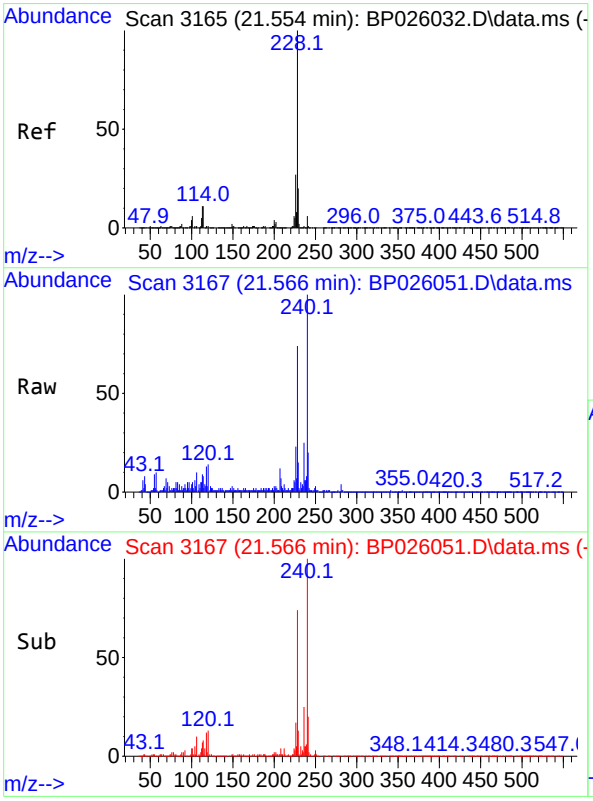
#79
Terphenyl-d14
Concen: 39.801 ng
RT: 19.878 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP026051.D
Acq: 30 Oct 2025 21:11

Instrument :
BNA_P
ClientSampleId :
B7-1.0-2.0-20251023

Tgt Ion:244 Resp: 3754937

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	11.0	9.0	13.6

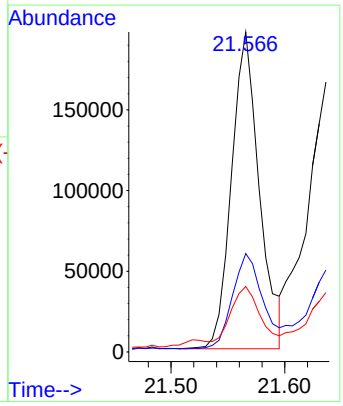


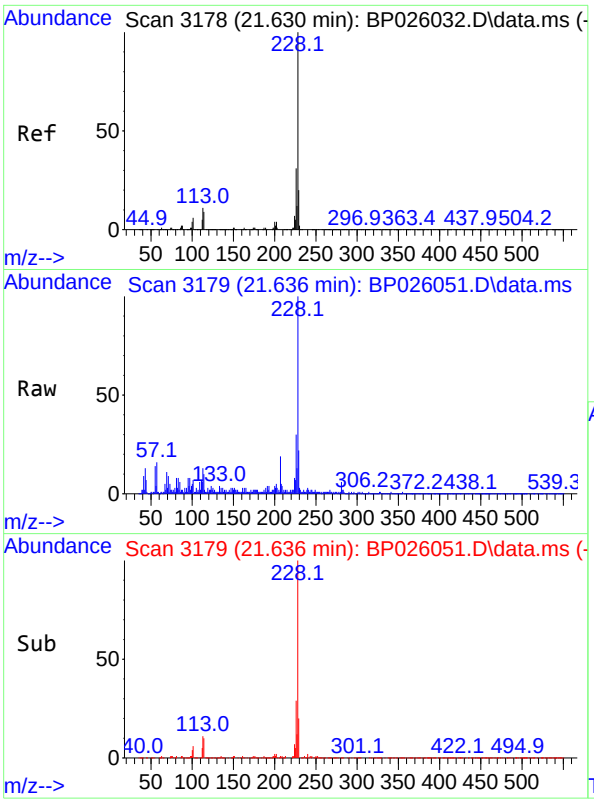


#81
Benzo(a)anthracene
Concen: 2.530 ng
RT: 21.566 min Scan# 3167
Delta R.T. 0.018 min
Lab File: BP026051.D
Acq: 30 Oct 2025 21:11

Tgt Ion:228 Resp: 333231

Ion	Ratio	Lower	Upper
228	100		
226	30.8	21.7	32.5
229	20.4	15.8	23.8



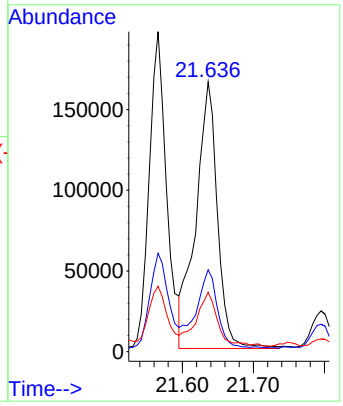


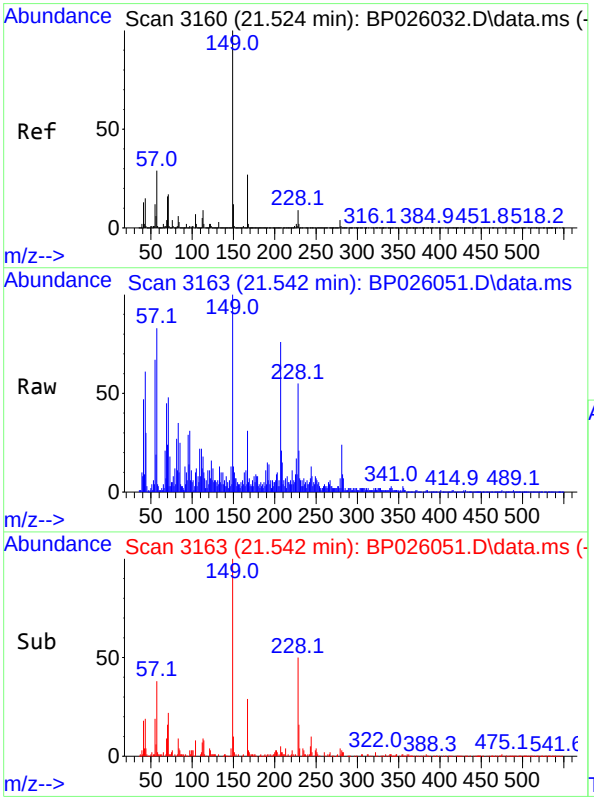
#83
Chrysene
Concen: 2.809 ng
RT: 21.636 min Scan# 31
Delta R.T. 0.018 min
Lab File: BP026051.D
Acq: 30 Oct 2025 21:11

Instrument :
BNA_P
ClientSampleId :
B7-1.0-2.0-20251023

Tgt Ion:228 Resp: 350457

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.4	36.6
229	22.0	16.0	24.0

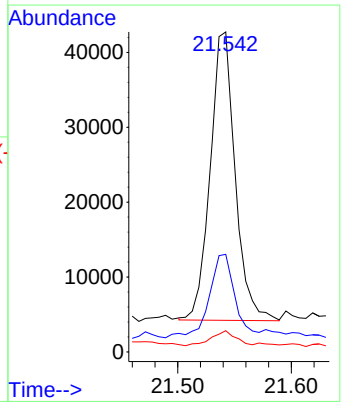


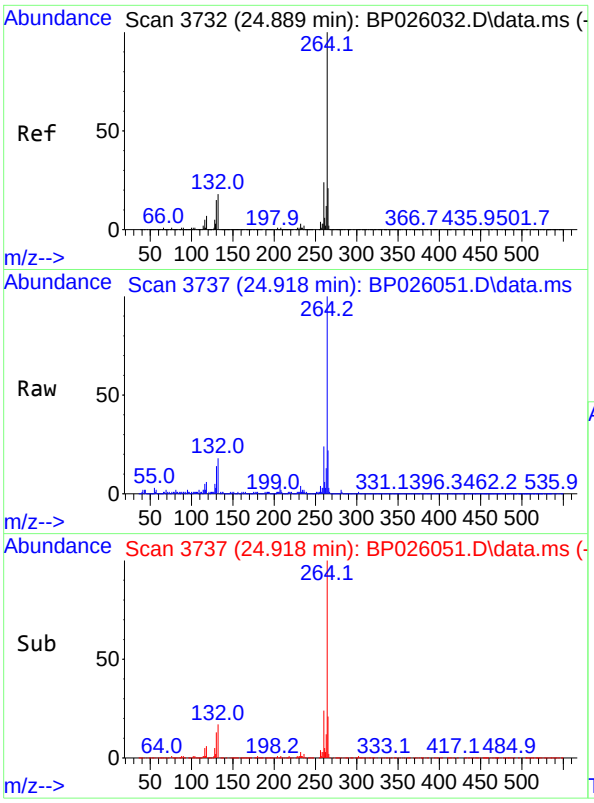


#84
Bis(2-ethylhexyl)phthalate
Concen: 3.317 ng
RT: 21.542 min Scan# 3163
Delta R.T. 0.024 min
Lab File: BP026051.D
Acq: 30 Oct 2025 21:11

Tgt Ion:149 Resp: 58759

Ion	Ratio	Lower	Upper
149	100		
167	30.5	21.5	32.3
279	6.6	3.0	4.6#



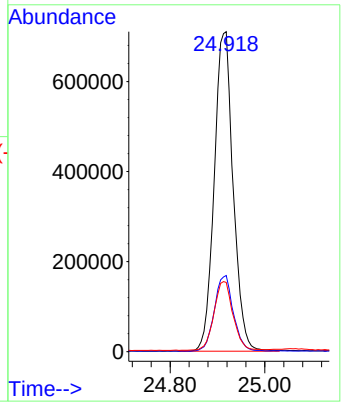


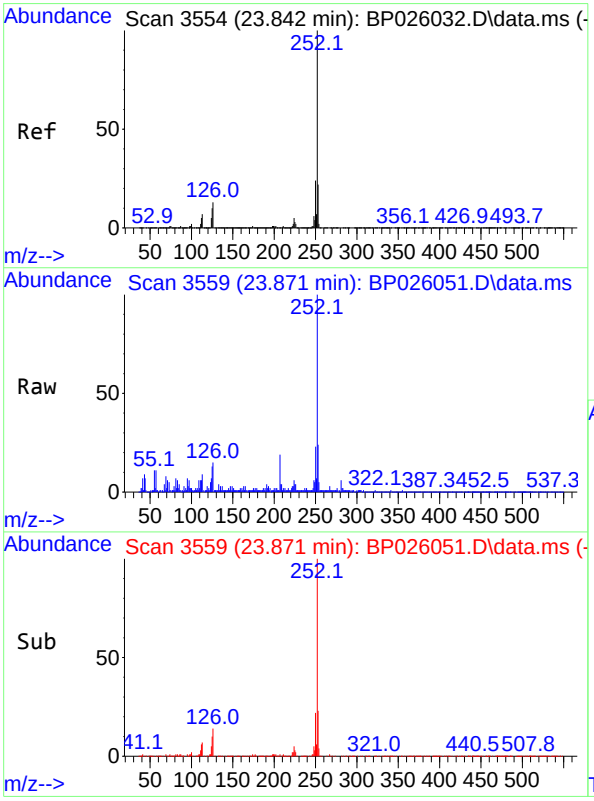
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.918 min Scan# 3
Delta R.T. 0.036 min
Lab File: BP026051.D
Acq: 30 Oct 2025 21:11

Instrument :
BNA_P
ClientSampleId :
B7-1.0-2.0-20251023

Tgt Ion:264 Resp: 1966081

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.1	28.7
265	21.6	17.2	25.8

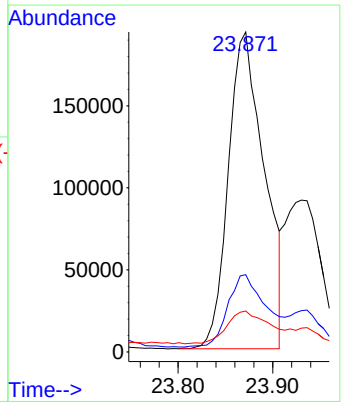


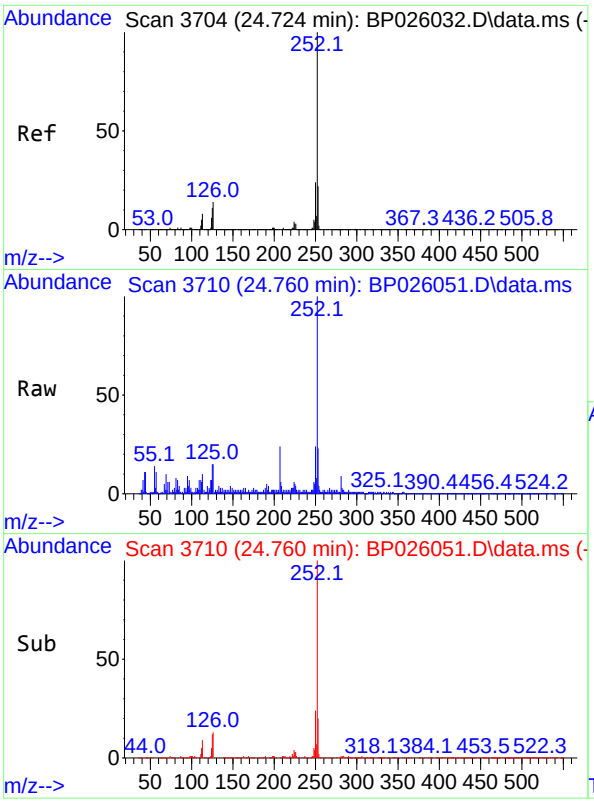


#88
Benzo(b)fluoranthene
Concen: 4.191 ng
RT: 23.871 min Scan# 3559
Delta R.T. 0.024 min
Lab File: BP026051.D
Acq: 30 Oct 2025 21:11

Tgt Ion:252 Resp: 511476

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.6	26.4
125	12.8	8.1	12.1#



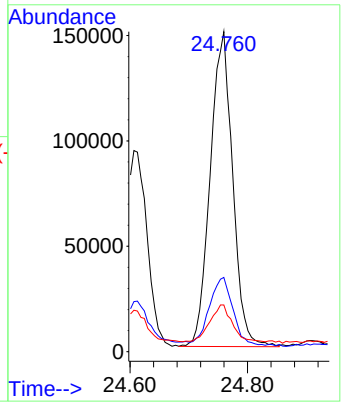


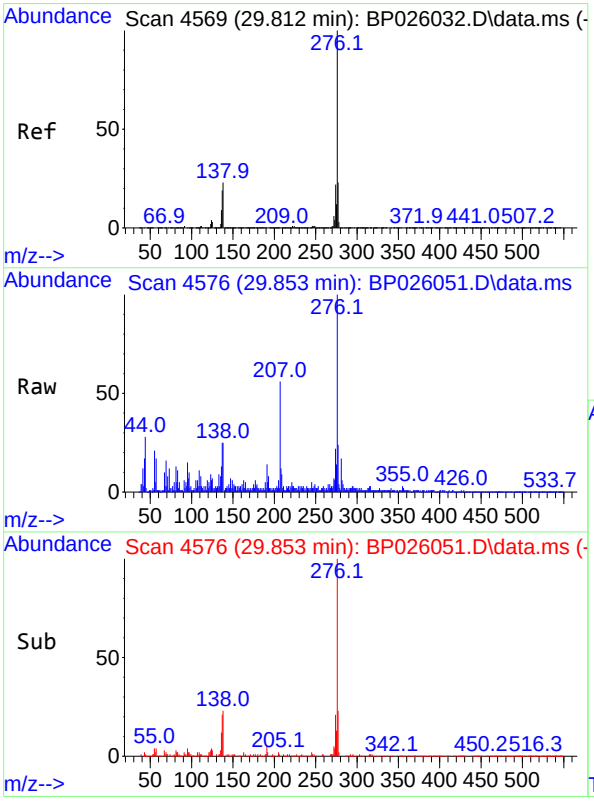
#90
Benzo(a)pyrene
Concen: 3.533 ng
RT: 24.760 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP026051.D
Acq: 30 Oct 2025 21:11

Instrument :
BNA_P
ClientSampleId :
B7-1.0-2.0-20251023

Tgt Ion:252 Resp: 396184

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.3	25.9
125	14.6	9.1	13.7#

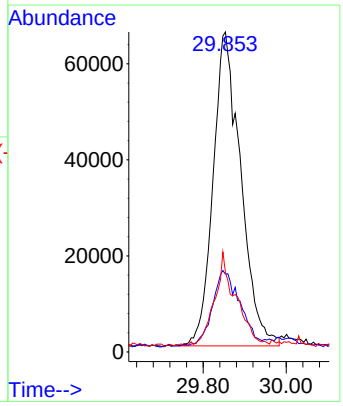




#92
Benzo(g,h,i)perylene
Concen: 2.653 ng
RT: 29.853 min Scan# 4576
Delta R.T. 0.024 min
Lab File: BP026051.D
Acq: 30 Oct 2025 21:11

Tgt Ion:276 Resp: 301510

Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.5	27.7
138	24.9	18.1	27.1



LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP103025\
Data File : BP026051.D
Acq On : 30 Oct 2025 21:11
Operator : RC/JU
Sample : Q3466-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B7-1.0-2.0-20251023

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_P\Methods\8270E-BP102925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP026051.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.302	395	402	411	rBV	3181886	4793059	48.76%	7.497%
2	6.849	657	665	676	rBV	3102110	5106263	51.95%	7.987%
3	7.684	800	807	813	rBV	1407756	2116800	21.53%	3.311%
4	8.813	988	999	1012	rBV	1771469	3005321	30.57%	4.701%
5	10.455	1268	1278	1285	rBV	1994213	3157965	32.13%	4.940%
6	12.925	1691	1698	1706	rVB	4326523	6510711	66.23%	10.184%
7	14.031	1881	1886	1894	rVB	87924	127652	1.30%	0.200%
8	14.319	1929	1935	1943	rBV	2886482	4226300	42.99%	6.611%
9	15.713	2166	2172	2180	rVB	476330	745861	7.59%	1.167%
10	15.837	2186	2193	2204	rBV	3549196	5158284	52.48%	8.068%
11	17.137	2407	2414	2420	rBV2	3112075	5087202	51.75%	7.957%
12	18.101	2573	2578	2586	rBV	487707	720328	7.33%	1.127%
13	19.272	2772	2777	2782	rBV	526887	785423	7.99%	1.229%
14	19.436	2801	2805	2814	rBV	353867	620296	6.31%	0.970%
15	19.583	2827	2830	2834	rBV2	134040	203051	2.07%	0.318%
16	19.648	2836	2841	2850	rVB	603280	1039149	10.57%	1.625%
17	19.878	2875	2880	2886	rBV	7509033	9829900	100.00%	15.376%
18	21.583	3164	3170	3176	rBV	3142140	5135557	52.24%	8.033%
19	23.866	3554	3558	3565	rBV	376481	899416	9.15%	1.407%
20	24.918	3729	3737	3747	rVB2	1775387	4663551	47.44%	7.295%

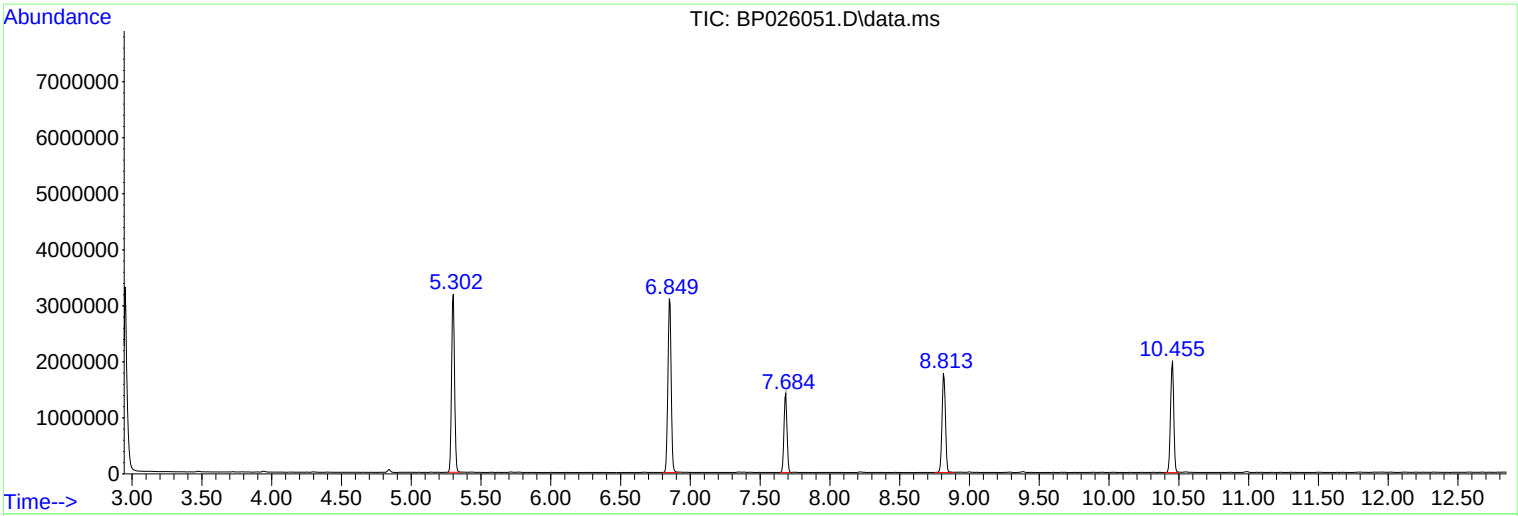
Sum of corrected areas: 63932089

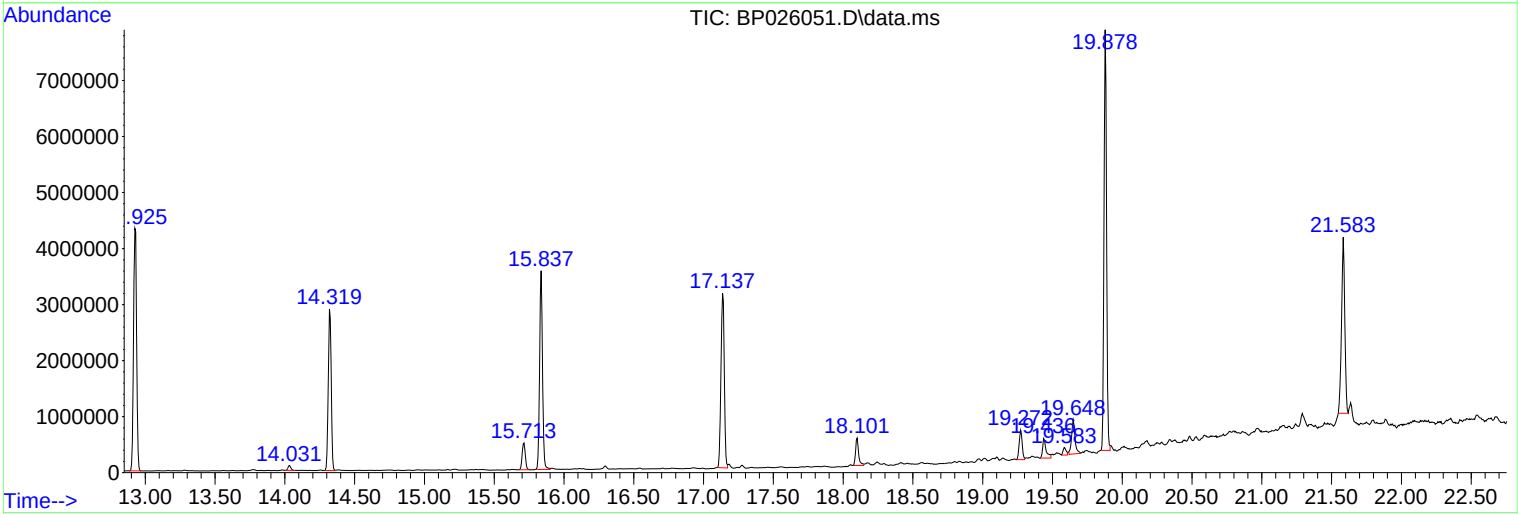
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP103025\
Data File : BP026051.D
Acq On : 30 Oct 2025 21:11
Operator : RC/JU
Sample : Q3466-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

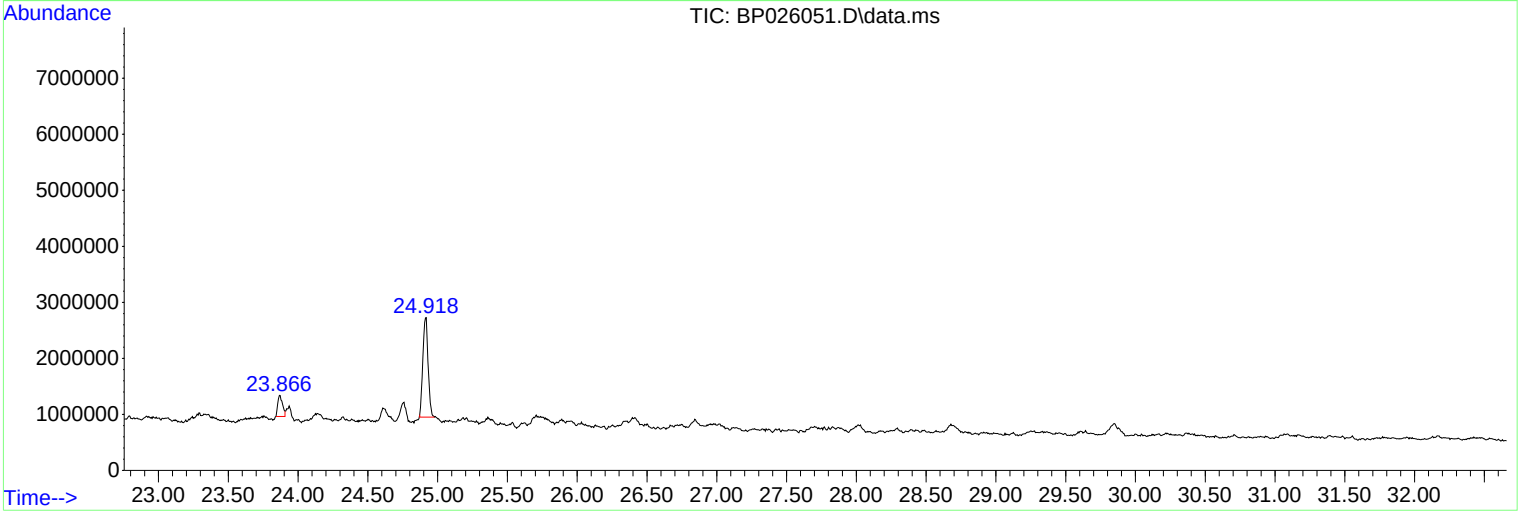
Instrument :
BNA_P
ClientSampleId :
B7-1.0-2.0-20251023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.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_P\Data\BP103025\
Data File : BP026051.D
Acq On : 30 Oct 2025 21:11
Operator : RC/JU
Sample : Q3466-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B7-1.0-2.0-20251023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

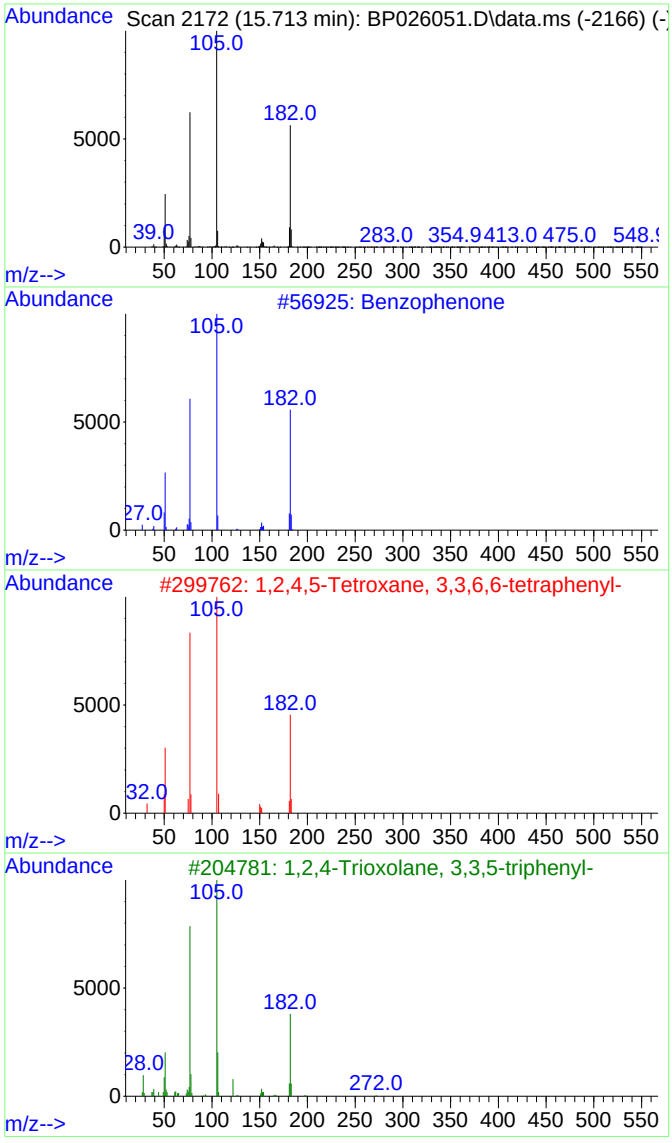
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

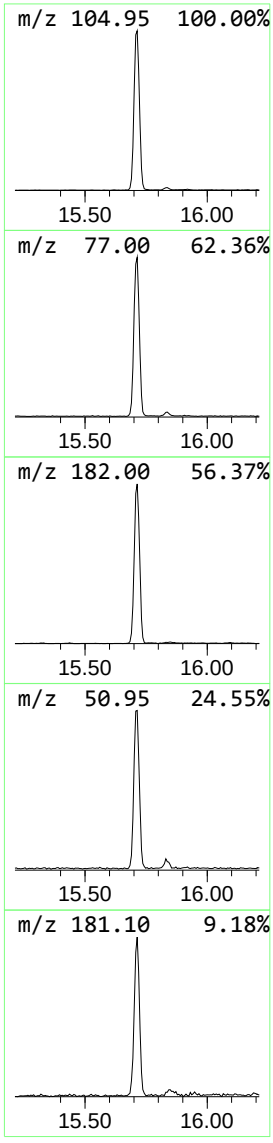
****

Peak Number 1 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.713	3.53 ng	745861	Acenaphthene-d10	14.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
3	1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	45
4	Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	45
5	Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP103025\
Data File : BP026051.D
Acq On : 30 Oct 2025 21:11
Operator : RC/JU
Sample : Q3466-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B7-1.0-2.0-20251023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

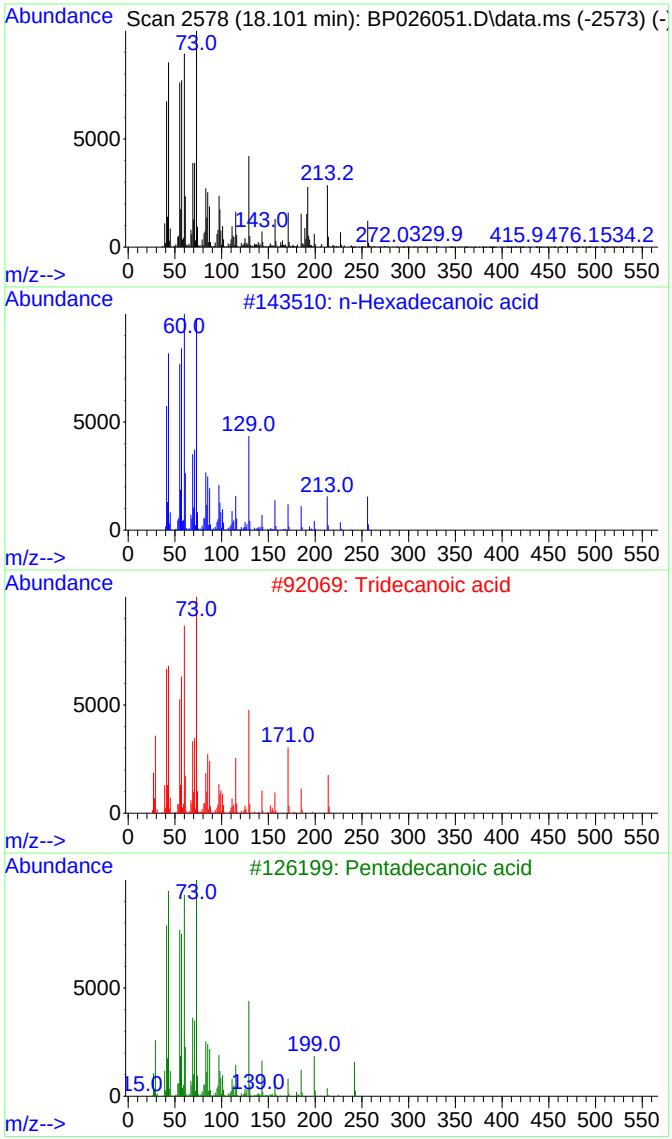
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

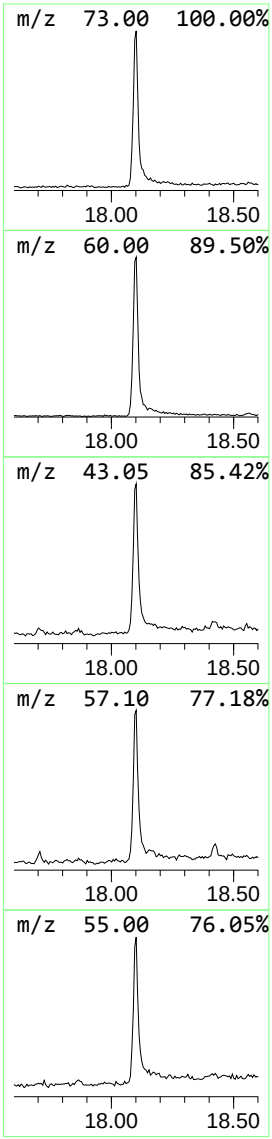
****

Peak Number 2 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.101	2.83 ng	720328	Phenanthrene-d10	17.137

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
4	Octadecanoic acid	284	C18H36O2	000057-11-4	81
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP103025\
Data File : BP026051.D
Acq On : 30 Oct 2025 21:11
Operator : RC/JU
Sample : Q3466-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B7-1.0-2.0-20251023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

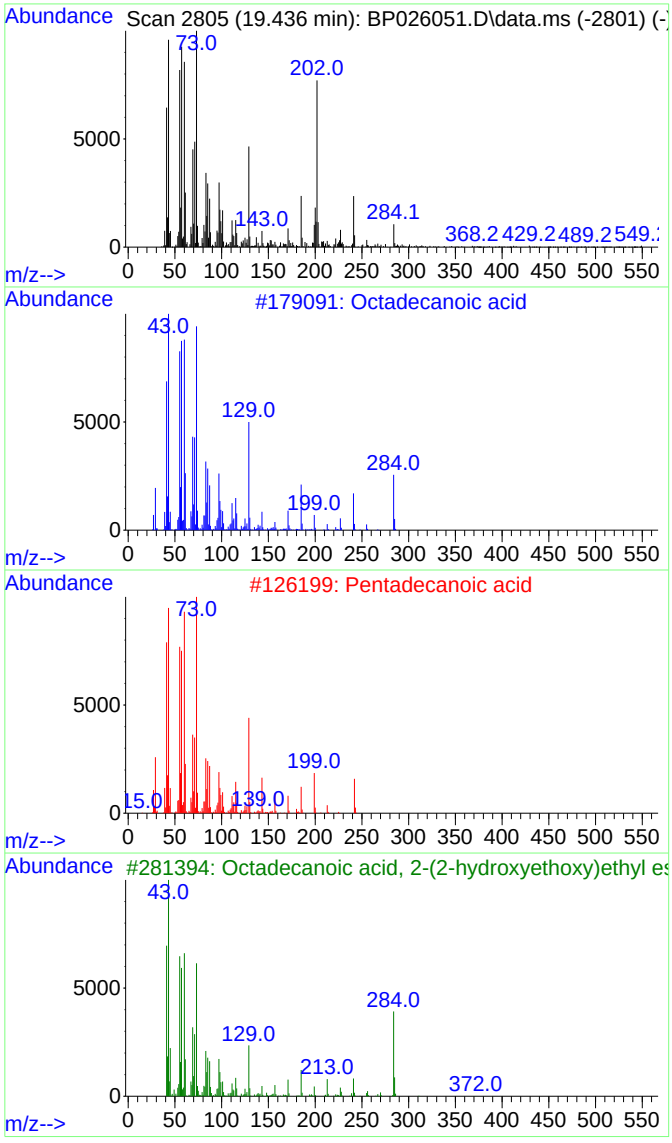
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

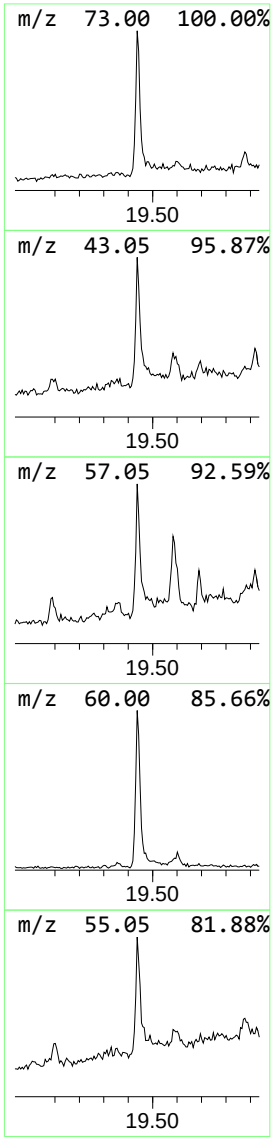
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Peak Number 3 Octadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.436	2.42 ng	620296	Chrysene-d12	21.583

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	78
3	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	70
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	53
5	n-Decanoic acid	172	C10H20O2	000334-48-5	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP103025\
Data File : BP026051.D
Acq On : 30 Oct 2025 21:11
Operator : RC/JU
Sample : Q3466-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B7-1.0-2.0-20251023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.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	15.713	3.5	ng	745861	3	14.319	4226300	20.0
n-Hexadecanoic ...	18.101	2.8	ng	720328	4	17.137	5087200	20.0
Octadecanoic acid	19.436	2.4	ng	620296	5	21.583	5135560	20.0

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064619.D
Acq On : 29 Oct 2025 12:03
Operator : RC/JU
Sample : PB170285BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170285BL

Quant Time: Oct 29 12:43:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

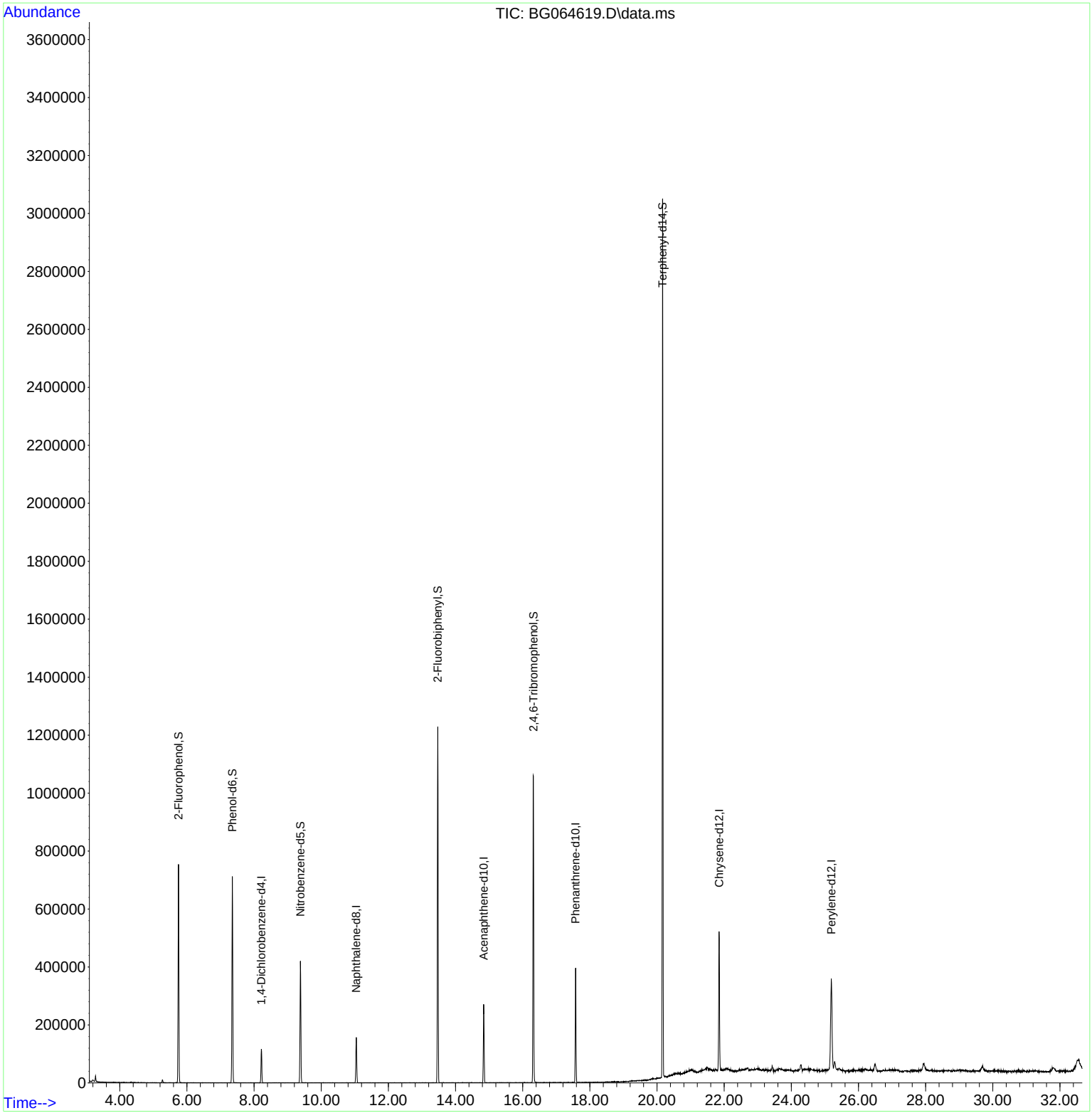
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.216	152	31966	20.000	ng	0.00
21) Naphthalene-d8	11.042	136	126218	20.000	ng	-0.01
39) Acenaphthene-d10	14.838	164	100016	20.000	ng	0.00
64) Phenanthrene-d10	17.576	188	253171	20.000	ng	0.00
76) Chrysene-d12	21.847	240	318569	20.000	ng	-0.02
86) Perylene-d12	25.191	264	365282	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.749	112	281567	147.847	ng	0.00
7) Phenol-d6	7.353	99	368638	141.063	ng	0.00
23) Nitrobenzene-d5	9.380	82	225643	107.375	ng	-0.01
42) 2,4,6-Tribromophenol	16.319	330	234059	162.143	ng	0.00
45) 2-Fluorobiphenyl	13.469	172	627891	95.157	ng	0.00
79) Terphenyl-d14	20.167	244	1533731	90.856	ng	0.00
Target Compounds						Qvalue

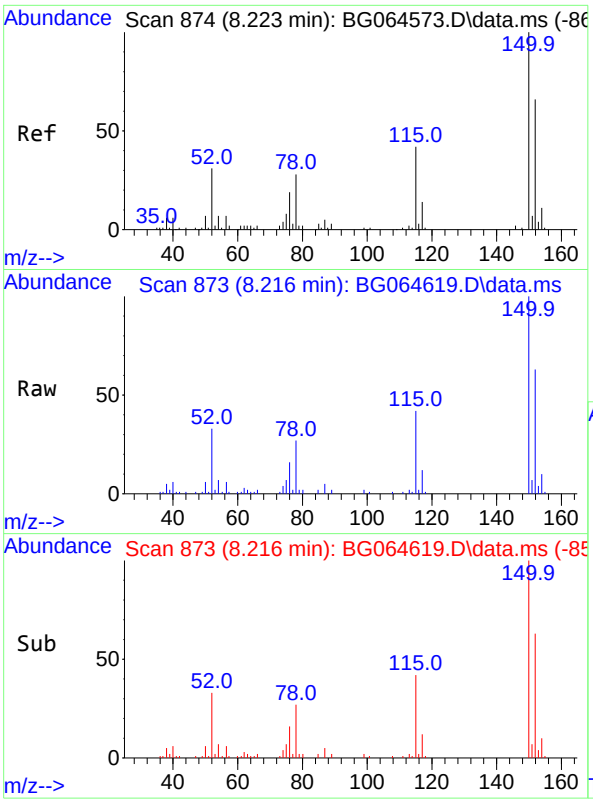
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064619.D
Acq On : 29 Oct 2025 12:03
Operator : RC/JU
Sample : PB170285BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170285BL

Quant Time: Oct 29 12:43:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration



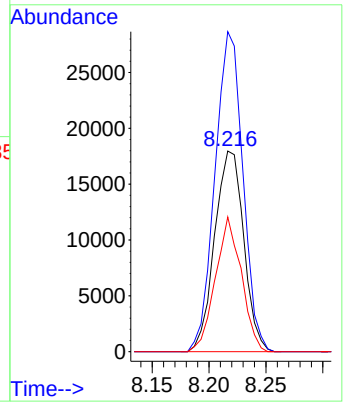


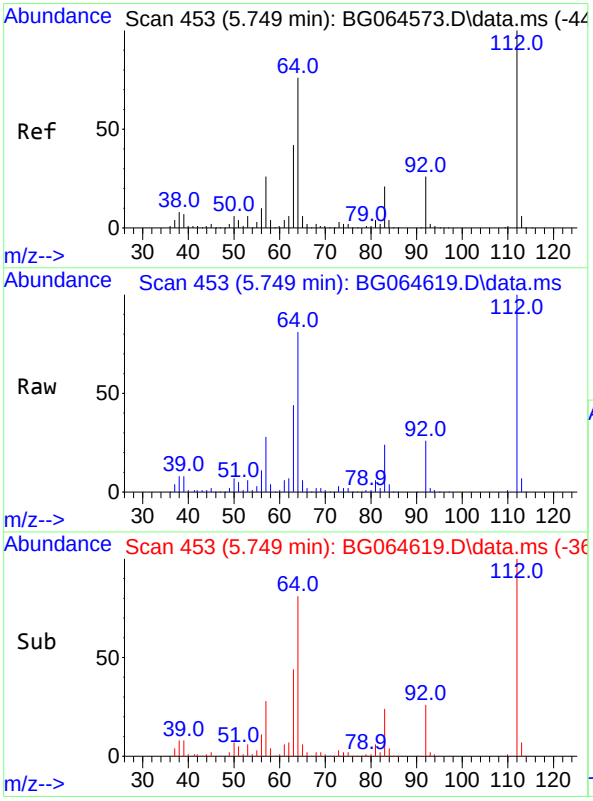
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.216 min Scan# 8
Delta R.T. -0.005 min
Lab File: BG064619.D
Acq: 29 Oct 2025 12:03

Instrument :
BNA_G
ClientSampleId :
PB170285BL

Tgt Ion:152 Resp: 31966

Ion	Ratio	Lower	Upper
152	100		
150	159.5	122.2	183.4
115	67.2	50.8	76.2

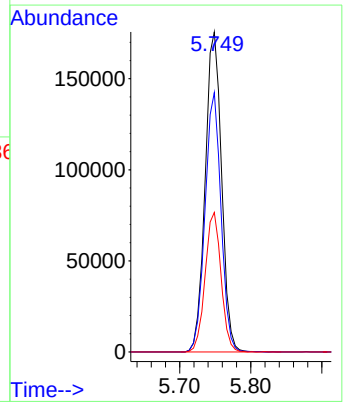


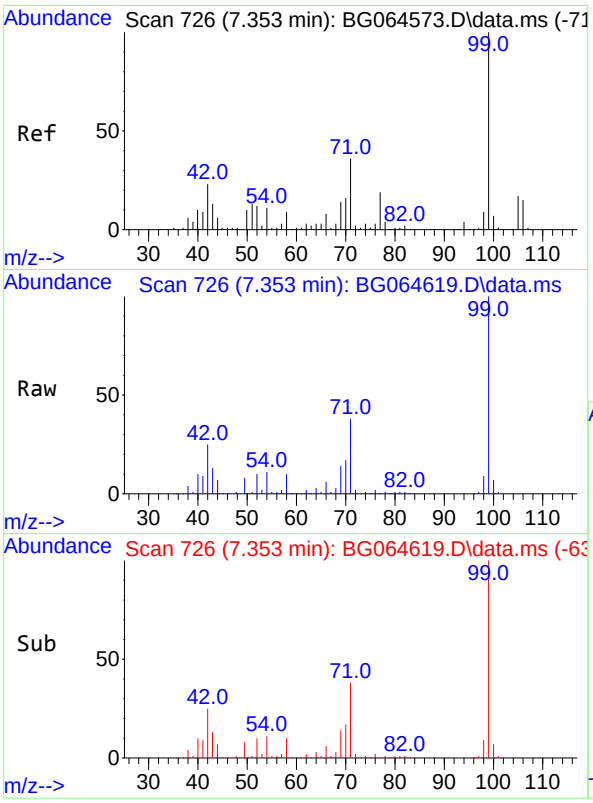


#5
2-Fluorophenol
Concen: 147.847 ng
RT: 5.749 min Scan# 453
Delta R.T. 0.002 min
Lab File: BG064619.D
Acq: 29 Oct 2025 12:03

Tgt Ion:112 Resp: 281567

Ion	Ratio	Lower	Upper
112	100		
64	81.1	60.7	91.1
63	43.6	33.4	50.0



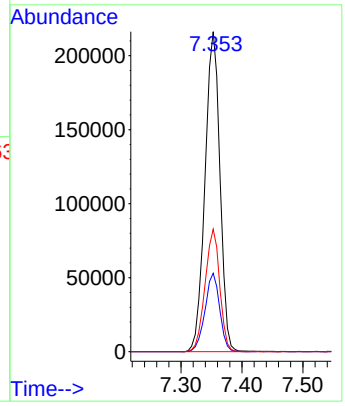


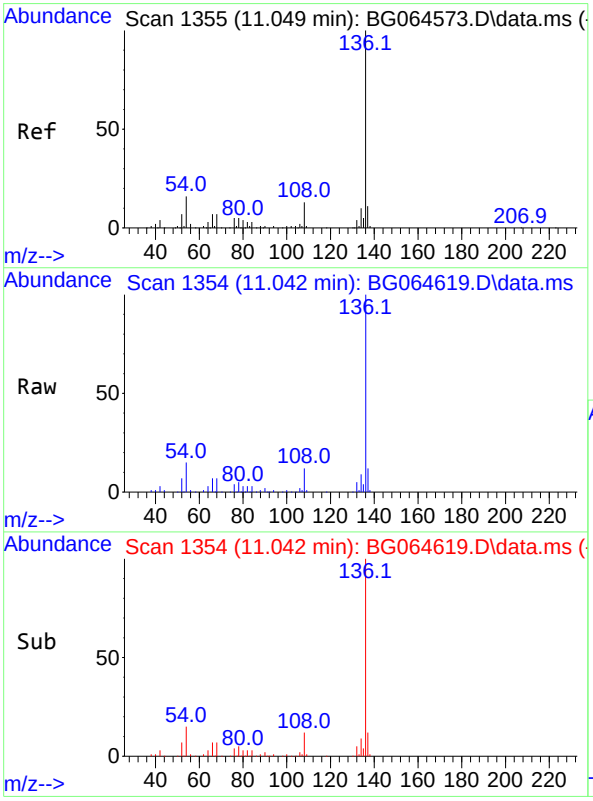
#7
Phenol-d6
Concen: 141.063 ng
RT: 7.353 min Scan# 7
Delta R.T. -0.004 min
Lab File: BG064619.D
Acq: 29 Oct 2025 12:03

Instrument :
BNA_G
ClientSampleId :
PB170285BL

Tgt Ion: 99 Resp: 368638

Ion	Ratio	Lower	Upper
99	100		
42	24.5	18.3	27.5
71	38.3	28.6	43.0

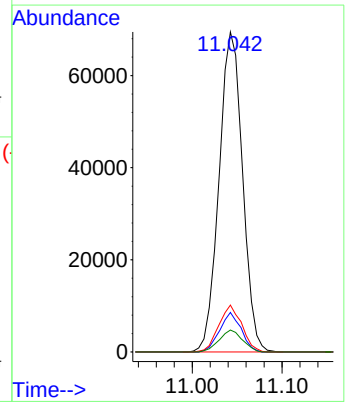


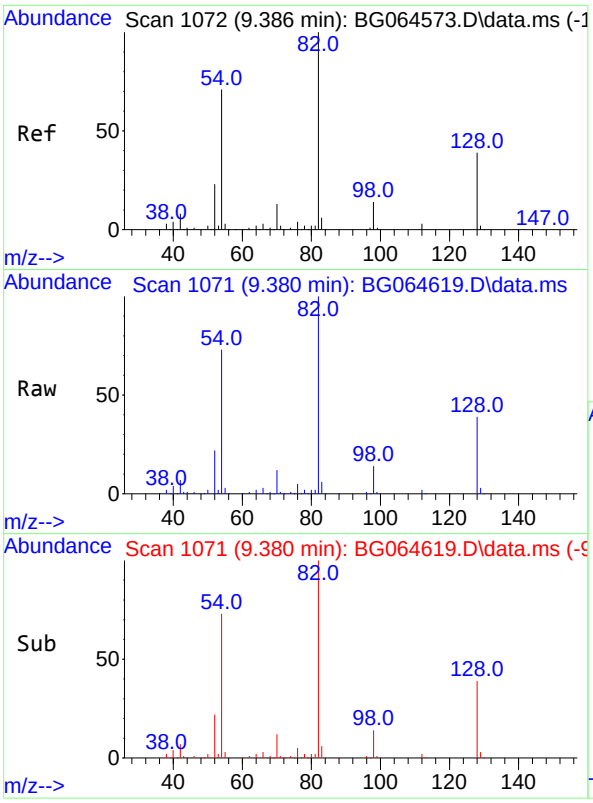


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.042 min Scan# 1354
Delta R.T. -0.010 min
Lab File: BG064619.D
Acq: 29 Oct 2025 12:03

Tgt Ion:136 Resp: 126218

Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.2	13.8
54	14.6	12.6	19.0
68	6.8	5.7	8.5



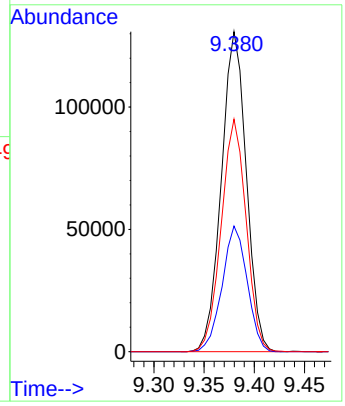


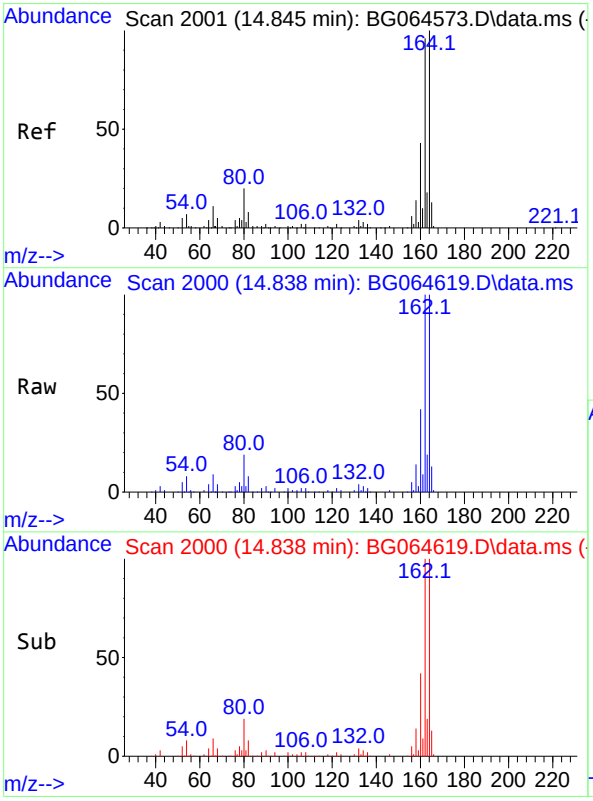
#23
Nitrobenzene-d5
Concen: 107.375 ng
RT: 9.380 min Scan# 1
Delta R.T. -0.010 min
Lab File: BG064619.D
Acq: 29 Oct 2025 12:03

Instrument :
BNA_G
ClientSampleId :
PB170285BL

Tgt Ion: 82 Resp: 225643

Ion	Ratio	Lower	Upper
82	100		
128	39.3	31.3	46.9
54	72.7	56.6	84.8

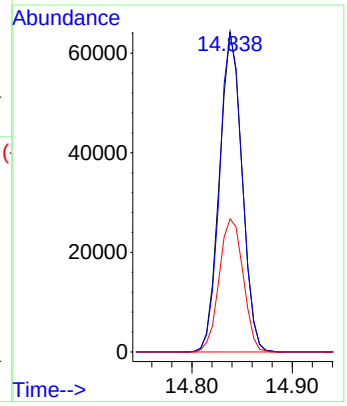


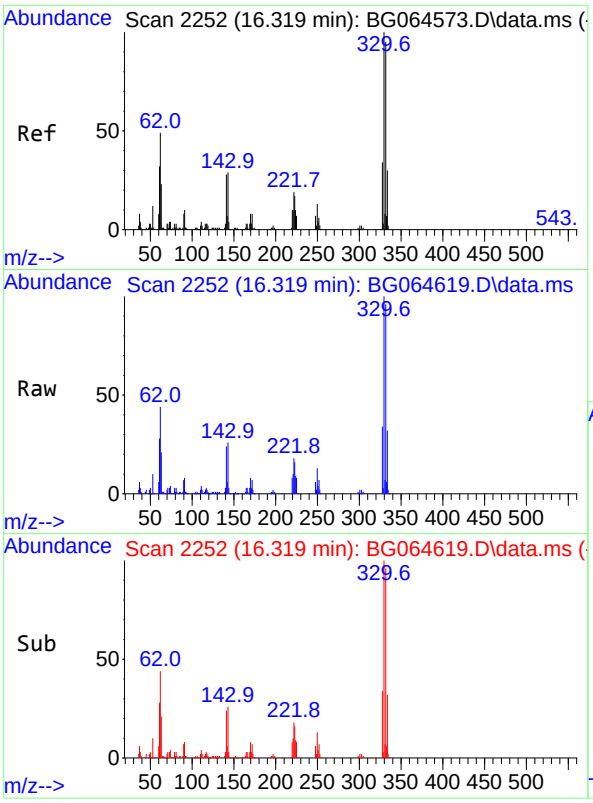


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.838 min Scan# 2000
Delta R.T. -0.004 min
Lab File: BG064619.D
Acq: 29 Oct 2025 12:03

Tgt Ion:164 Resp: 100016

Ion	Ratio	Lower	Upper
164	100		
162	99.5	77.0	115.6
160	41.6	34.4	51.6



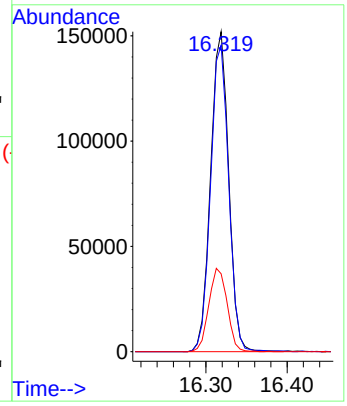


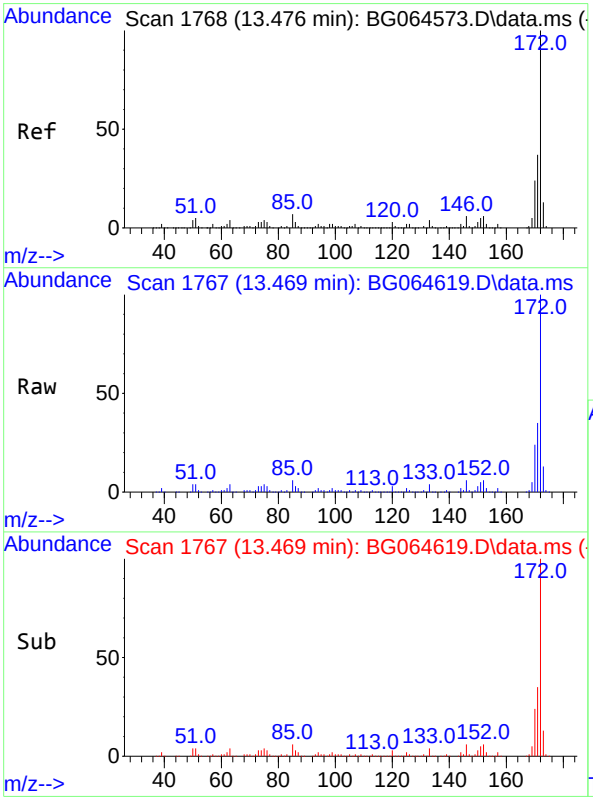
#42
2,4,6-Tribromophenol
Concen: 162.143 ng
RT: 16.319 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064619.D
Acq: 29 Oct 2025 12:03

Instrument :
BNA_G
ClientSampleId :
PB170285BL

Tgt Ion:330 Resp: 234059

Ion	Ratio	Lower	Upper
330	100		
332	95.9	78.0	117.0
141	26.5	21.8	32.6

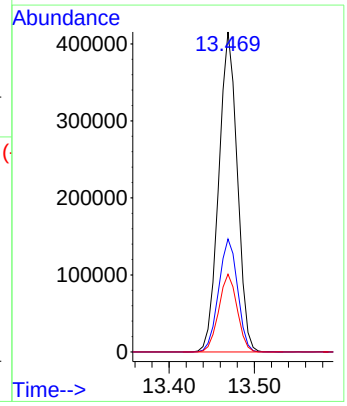


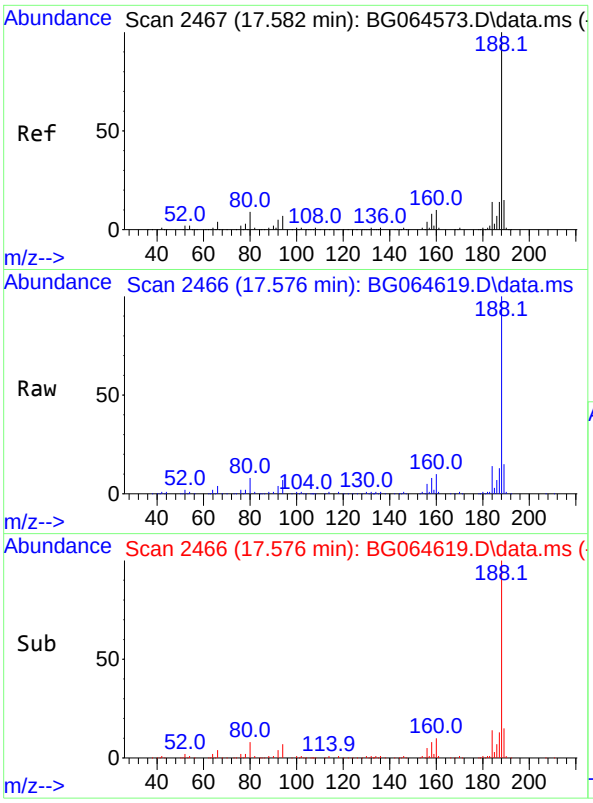


#45
2-Fluorobiphenyl
Concen: 95.157 ng
RT: 13.469 min Scan# 1767
Delta R.T. -0.010 min
Lab File: BG064619.D
Acq: 29 Oct 2025 12:03

Tgt Ion:172 Resp: 627891

Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.4	44.0
170	24.3	19.1	28.7



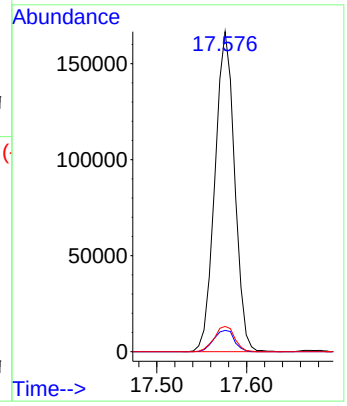


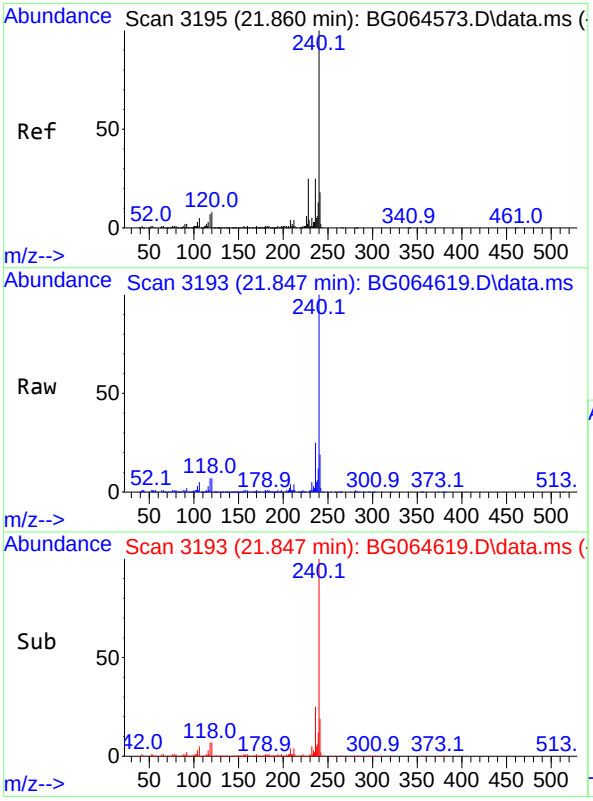
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.576 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG064619.D
Acq: 29 Oct 2025 12:03

Instrument :
BNA_G
ClientSampleId :
PB170285BL

Tgt Ion:188 Resp: 253171

Ion	Ratio	Lower	Upper
188	100		
94	6.7	5.7	8.5
80	7.9	6.8	10.2

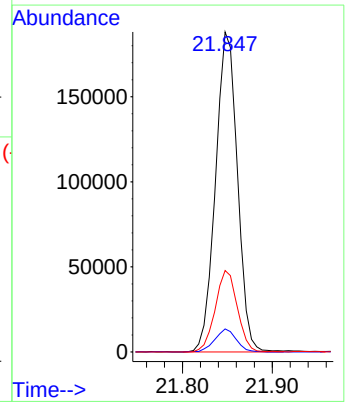


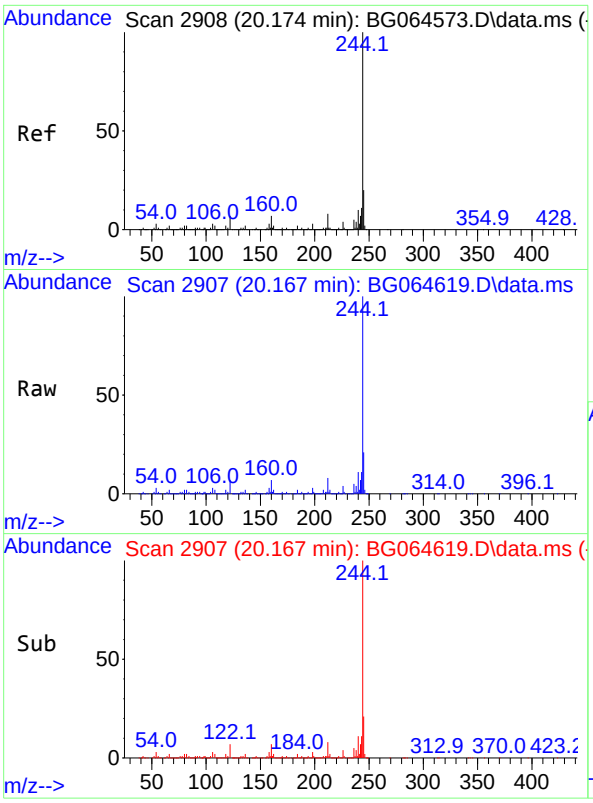


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.847 min Scan# 3193
Delta R.T. -0.016 min
Lab File: BG064619.D
Acq: 29 Oct 2025 12:03

Tgt Ion:240 Resp: 318569

Ion	Ratio	Lower	Upper
240	100		
120	7.2	6.5	9.7
236	25.5	20.2	30.2



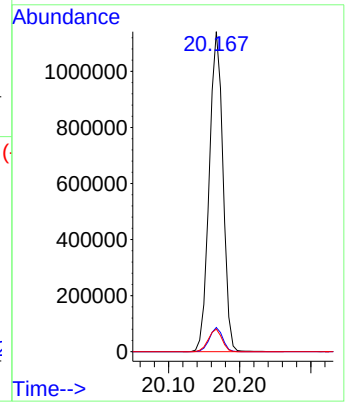


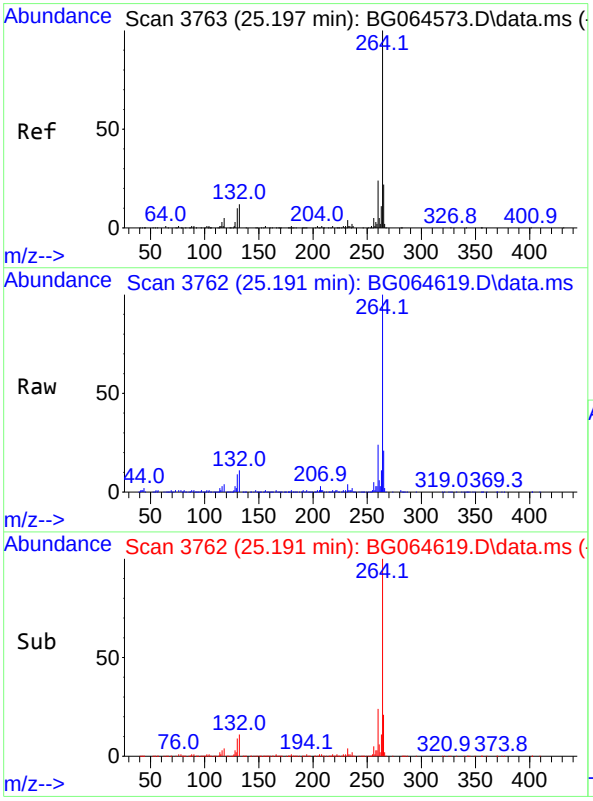
#79
Terphenyl-d14
Concen: 90.856 ng
RT: 20.167 min Scan# 2
Delta R.T. -0.010 min
Lab File: BG064619.D
Acq: 29 Oct 2025 12:03

Instrument :
BNA_G
ClientSampleId :
PB170285BL

Tgt Ion:244 Resp: 1533731

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.1	9.1
122	7.0	5.6	8.4

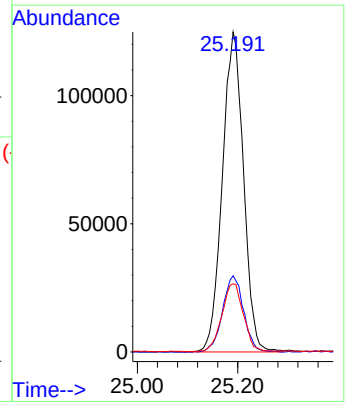




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.191 min Scan# 3762
Delta R.T. -0.010 min
Lab File: BG064619.D
Acq: 29 Oct 2025 12:03

Tgt Ion:264 Resp: 365282

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.0	28.4
265	21.3	17.6	26.4



LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064619.D
Acq On : 29 Oct 2025 12:03
Operator : RC/JU
Sample : PB170285BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170285BL

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_G\Methods\8270-BG102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064619.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.749	445	453	463	rBV	753757	1184522	29.55%	8.476%
2	7.353	718	726	736	rBV	711693	1210848	30.21%	8.664%
3	8.216	866	873	880	rVB	117008	198862	4.96%	1.423%
4	9.380	1062	1071	1080	rBV	419884	733362	18.30%	5.248%
5	11.042	1345	1354	1366	rVB	156797	283169	7.06%	2.026%
6	13.469	1759	1767	1777	rBV	1228536	1846595	46.07%	13.213%
7	14.838	1993	2000	2009	rVB	270152	423430	10.56%	3.030%
8	16.313	2245	2251	2267	rBV	1060320	1680342	41.92%	12.024%
9	17.576	2459	2466	2474	rBV2	394780	604492	15.08%	4.325%
10	20.167	2901	2907	2913	rBV	3032044	4008480	100.00%	28.683%
11	21.847	3187	3193	3201	rVB	480138	826015	20.61%	5.911%
12	25.191	3751	3762	3772	rBV	312603	907284	22.63%	6.492%
13	25.291	3774	3779	3787	rVB5	26457	67778	1.69%	0.485%

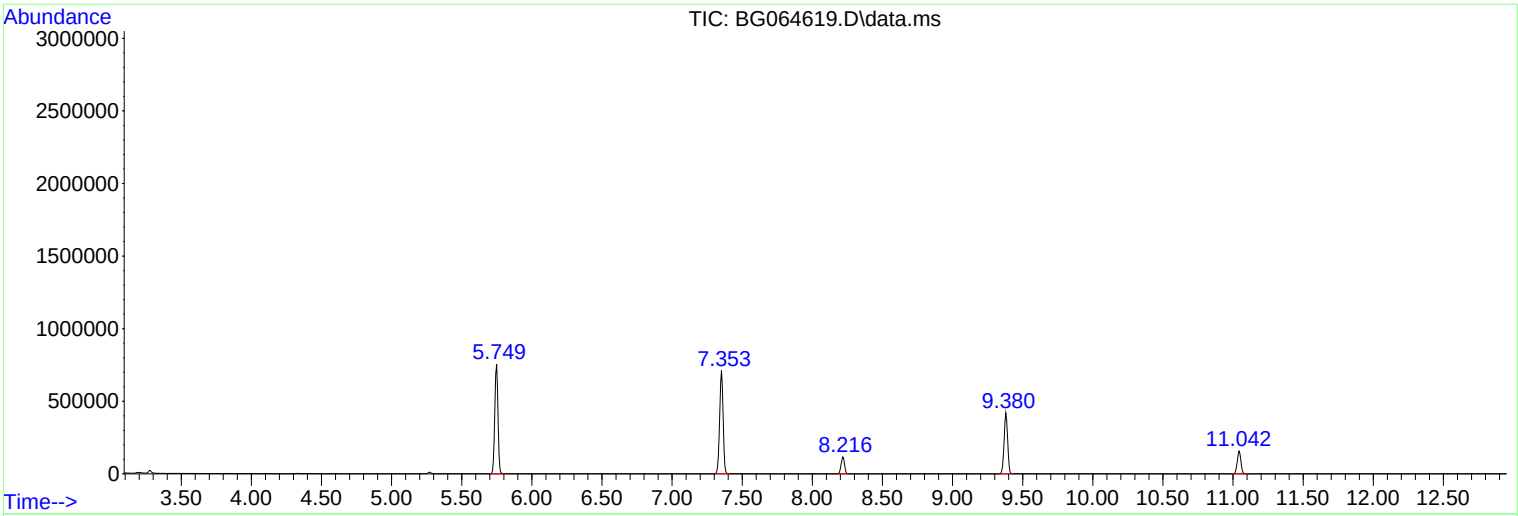
Sum of corrected areas: 13975179

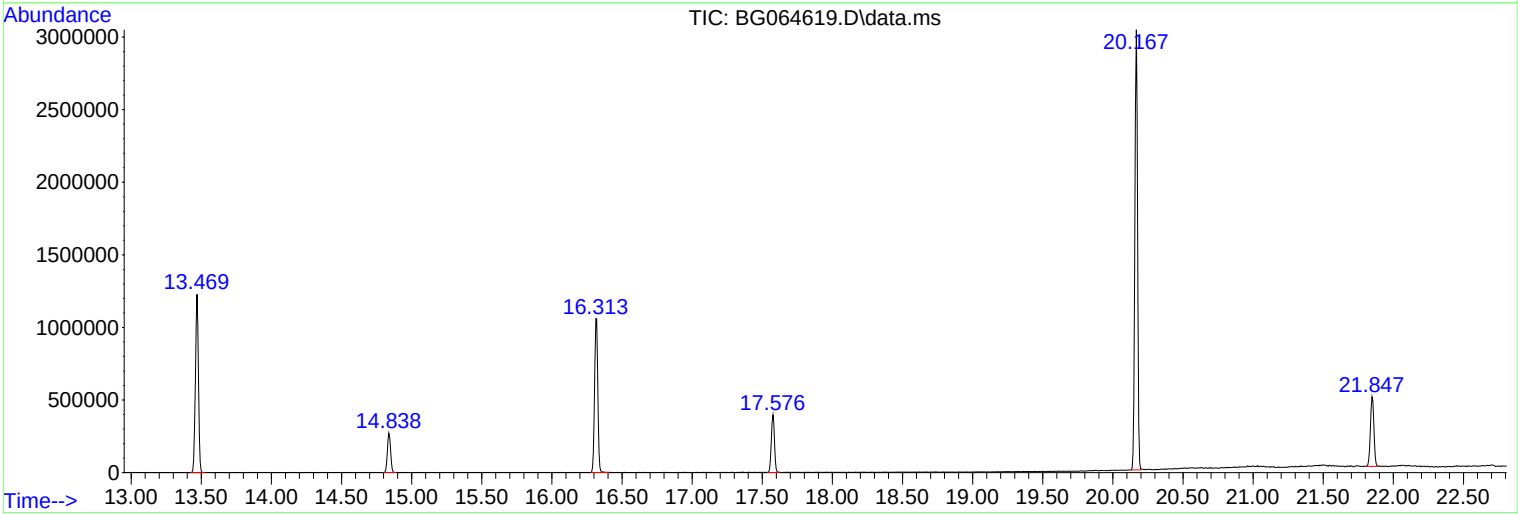
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064619.D
Acq On : 29 Oct 2025 12:03
Operator : RC/JU
Sample : PB170285BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

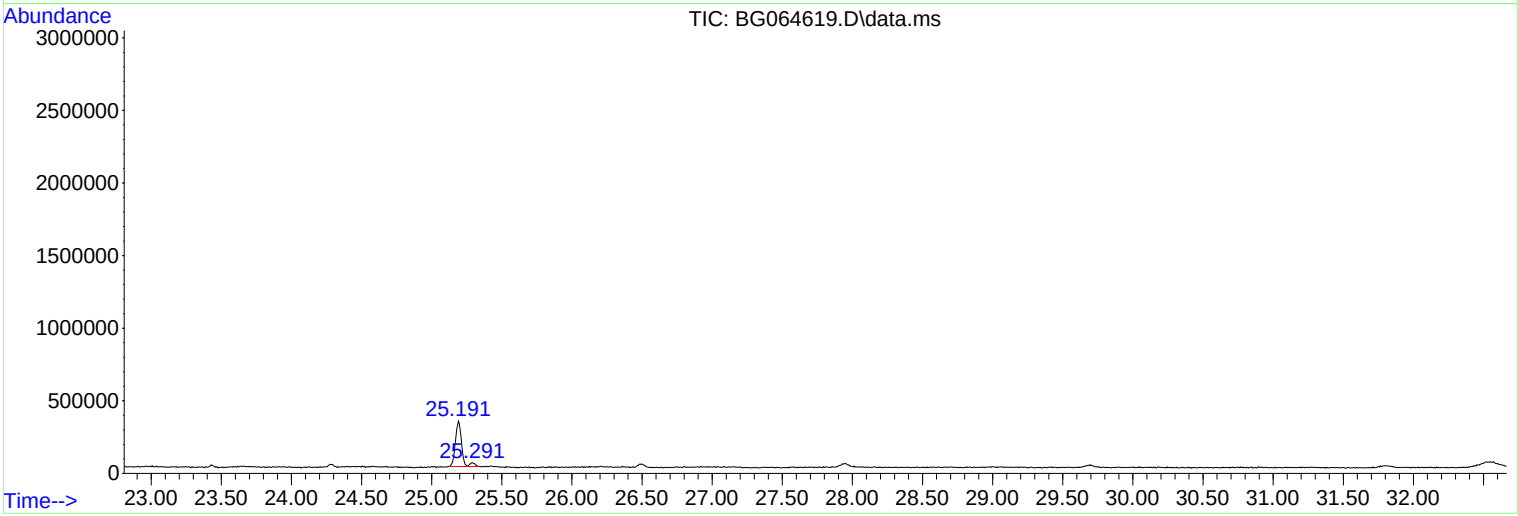
Instrument :
BNA_G
ClientSampleId :
PB170285BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064619.D
Acq On : 29 Oct 2025 12:03
Operator : RC/JU
Sample : PB170285BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170285BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064619.D
Acq On : 29 Oct 2025 12:03
Operator : RC/JU
Sample : PB170285BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170285BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.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

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064620.D
Acq On : 29 Oct 2025 12:44
Operator : RC/JU
Sample : PB170285BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 04 05:49:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB170285BS

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.217	152	29150	20.000	ng	0.00
21) Naphthalene-d8	11.043	136	120630	20.000	ng	0.00
39) Acenaphthene-d10	14.839	164	94777	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	243860	20.000	ng	0.00
76) Chrysene-d12	21.854	240	284315	20.000	ng	0.00
86) Perylene-d12	25.197	264	307438	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.749	112	216508	124.668	ng	0.00
7) Phenol-d6	7.353	99	292660	122.807	ng	0.00
23) Nitrobenzene-d5	9.380	82	178485	88.869	ng	0.00
42) 2,4,6-Tribromophenol	16.319	330	205036	149.889	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	506660	81.029	ng	0.00
79) Terphenyl-d14	20.168	244	1229145	81.586	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.581	88	26022	33.844	ng	95
3) Pyridine	3.987	79	75019	32.491	ng	97
4) n-Nitrosodimethylamine	3.899	42	51919	41.931	ng	97
6) Aniline	7.524	93	102931	31.742	ng	96
8) 2-Chlorophenol	7.776	128	84168	46.303	ng	100
9) Benzaldehyde	7.336	77	41192	31.661	ng	99
10) Phenol	7.377	94	114314	43.375	ng	94
11) bis(2-Chloroethyl)ether	7.624	93	75868	39.154	ng	92
12) 1,3-Dichlorobenzene	8.111	146	85739	40.981	ng	97
13) 1,4-Dichlorobenzene	8.252	146	87841	41.291	ng	95
14) 1,2-Dichlorobenzene	8.575	146	89718	43.724	ng	99
15) Benzyl Alcohol	8.446	79	89000	45.289	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.746	45	197904	38.937	ng	98
17) 2-Methylphenol	8.646	107	81699	46.690	ng	94
18) Hexachloroethane	9.316	117	31771	42.558	ng	96
19) n-Nitroso-di-n-propyla...	9.022	70	70022	42.516	ng	98
20) 3+4-Methylphenols	8.975	107	108792	44.210	ng	97
22) Acetophenone	9.040	105	152527	46.255	ng	94
24) Nitrobenzene	9.421	77	97805	44.773	ng	98
25) Isophorone	9.950	82	196669	40.809	ng	99
26) 2-Nitrophenol	10.144	139	41271	48.903	ng	96
27) 2,4-Dimethylphenol	10.191	122	91048	50.790	ng	98
28) bis(2-Chloroethoxy)met...	10.432	93	116210	42.352	ng	96
29) 2,4-Dichlorophenol	10.679	162	94693	49.084	ng	95
30) 1,2,4-Trichlorobenzene	10.902	180	98699	45.027	ng	97
31) Naphthalene	11.096	128	273215	40.851	ng	99
32) Benzoic acid	10.309	122	68457	49.760	ng	93
33) 4-Chloroaniline	11.184	127	60425	23.244	ng	96
34) Hexachlorobutadiene	11.384	225	71962	41.979	ng	98
35) Caprolactam	11.942	113	33724m	45.577	ng	
36) 4-Chloro-3-methylphenol	12.289	107	112610	48.561	ng	99
37) 2-Methylnaphthalene	12.682	142	187343	38.153	ng	99
38) 1-Methylnaphthalene	12.900	142	193398	39.785	ng	95
40) 1,2,4,5-Tetrachloroben...	13.047	216	149444	46.983	ng	99
41) Hexachlorocyclopentadiene	13.035	237	178951	124.993	ng	97
43) 2,4,6-Trichlorophenol	13.276	196	90140	49.543	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064620.D
Acq On : 29 Oct 2025 12:44
Operator : RC/JU
Sample : PB170285BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 04 05:49:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB170285BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	13.346	196	102727	48.926	ng		99
46)	1,1'-Biphenyl	13.681	154	317174	47.072	ng		98
47)	2-Chloronaphthalene	13.722	162	215943	42.458	ng		99
48)	2-Nitroaniline	13.910	65	81976	48.011	ng		92
49)	Acenaphthylene	14.563	152	401904	50.098	ng		98
50)	Dimethylphthalate	14.286	163	328784	45.335	ng		99
51)	2,6-Dinitrotoluene	14.398	165	62290	51.784	ng		98
52)	Acenaphthene	14.903	154	266233	48.574	ng		99
53)	3-Nitroaniline	14.727	138	46222	37.086	ng		98
54)	2,4-Dinitrophenol	14.927	184	83820	111.772	ng	#	41
55)	Dibenzofuran	15.238	168	390784	44.101	ng		99
56)	4-Nitrophenol	15.015	139	120864	104.595	ng		88
57)	2,4-Dinitrotoluene	15.179	165	94566	50.914	ng	#	97
58)	Fluorene	15.884	166	313265	45.268	ng		99
59)	2,3,4,6-Tetrachlorophenol	15.456	232	109287	54.432	ng		97
60)	Diethylphthalate	15.644	149	337793	45.617	ng		99
61)	4-Chlorophenyl-phenyle...	15.873	204	174263	44.872	ng		98
62)	4-Nitroaniline	15.884	138	72854	52.542	ng		98
63)	Azobenzene	16.161	77	307485	45.256	ng		99
65)	4,6-Dinitro-2-methylph...	15.943	198	57550	52.995	ng		95
66)	n-Nitrosodiphenylamine	16.078	169	295082	44.796	ng		99
67)	4-Bromophenyl-phenylether	16.766	248	126118	43.642	ng		98
68)	Hexachlorobenzene	16.889	284	148443	45.026	ng		97
69)	Atrazine	17.018	200	133212	46.992	ng		98
70)	Pentachlorophenol	17.224	266	204324	99.387	ng		91
71)	Phenanthrene	17.618	178	593814	44.528	ng		99
72)	Anthracene	17.712	178	598590	44.126	ng		100
73)	Carbazole	17.970	167	544489	45.517	ng		98
74)	Di-n-butylphthalate	18.528	149	609776	44.081	ng		99
75)	Fluoranthene	19.615	202	741946	44.411	ng		99
77)	Benzidine	19.780	184	244512	38.386	ng		99
78)	Pyrene	19.974	202	764788	41.171	ng		99
80)	Butylbenzylphthalate	20.849	149	274784	48.944	ng		98
81)	Benzo(a)anthracene	21.836	228	822317	43.620	ng		99
82)	3,3'-Dichlorobenzidine	21.736	252	205739	32.682	ng		98
83)	Chrysene	21.901	228	777014	43.317	ng		98
84)	Bis(2-ethylhexyl)phtha...	21.742	149	398097	47.454	ng		100
85)	Di-n-octyl phthalate	23.000	149	695154	49.149	ng		99
87)	Indeno(1,2,3-cd)pyrene	29.034	276	1032320	45.645	ng	#	97
88)	Benzo(b)fluoranthene	24.134	252	849214	45.046	ng		99
89)	Benzo(k)fluoranthene	24.204	252	857397	45.449	ng		99
90)	Benzo(a)pyrene	25.044	252	811930	46.854	ng		100
91)	Dibenzo(a,h)anthracene	29.104	278	853781	46.467	ng		98
92)	Benzo(g,h,i)perylene	30.232	276	825822	47.050	ng		98

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

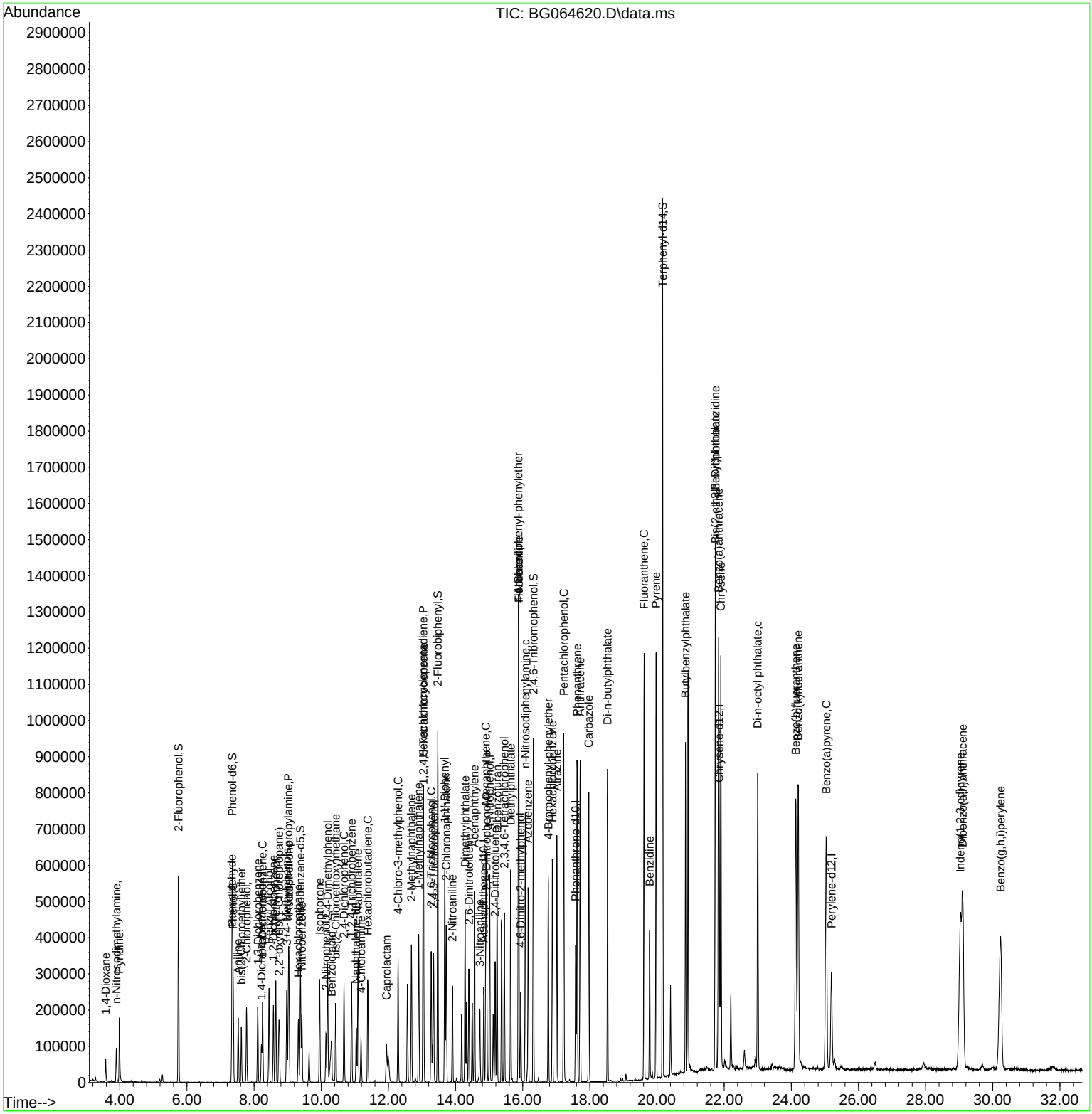
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064620.D
Acq On : 29 Oct 2025 12:44
Operator : RC/JU
Sample : PB170285BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 04 05:49:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB170285BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144130.D
Acq On : 29 Oct 2025 16:02
Operator : RC/JU
Sample : Q3469-01MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 29 16:22:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
TP-13MS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	58676	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	221225	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	127799	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	212513	20.000	ng		0.00
76) Chrysene-d12	14.057	240	138511	20.000	ng		0.00
86) Perylene-d12	15.539	264	188620	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	330246	89.046	ng		0.00
7) Phenol-d6	6.504	99	385673	94.161	ng		0.00
23) Nitrobenzene-d5	7.439	82	249172	61.708	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	150447	92.417	ng		0.00
45) 2-Fluorobiphenyl	9.233	172	532132	58.594	ng		0.00
79) Terphenyl-d14	12.992	244	511523	64.562	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.693	88	68716	42.877	ng		97
3) Pyridine	3.457	79	197846	46.113	ng		96
4) n-Nitrosodimethylamine	3.410	42	120821	45.829	ng		89
6) Aniline	6.539	93	182089	31.075	ng		99
8) 2-Chlorophenol	6.663	128	181666	49.739	ng		99
9) Benzaldehyde	6.428	77	87085	27.384	ng		98
10) Phenol	6.522	94	250857	49.644	ng		96
11) bis(2-Chloroethyl)ether	6.610	93	188300	51.570	ng		98
12) 1,3-Dichlorobenzene	6.816	146	221534	49.171	ng		99
13) 1,4-Dichlorobenzene	6.898	146	225660	50.823	ng		97
14) 1,2-Dichlorobenzene	7.045	146	222229	51.727	ng		98
15) Benzyl Alcohol	7.022	79	177416	53.271	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.151	45	354244	51.620	ng		97
17) 2-Methylphenol	7.128	107	148554	52.884	ng		94
18) Hexachloroethane	7.386	117	77455	48.793	ng		92
19) n-Nitroso-di-n-propyla...	7.286	70	139839	52.796	ng		96
20) 3+4-Methylphenols	7.281	107	170443	51.326	ng	#	88
22) Acetophenone	7.286	105	270486	56.576	ng		96
24) Nitrobenzene	7.457	77	215191	50.378	ng		99
25) Isophorone	7.698	82	379130	53.705	ng		99
26) 2-Nitrophenol	7.775	139	105953	52.141	ng		97
27) 2,4-Dimethylphenol	7.810	122	181421	60.079	ng		96
28) bis(2-Chloroethoxy)met...	7.910	93	236237	53.660	ng		98
29) 2,4-Dichlorophenol	8.016	162	177228	50.468	ng		100
30) 1,2,4-Trichlorobenzene	8.104	180	191604	53.036	ng		99
31) Naphthalene	8.181	128	516310	49.449	ng		99
32) Benzoic acid	7.939	122	123955	64.714	ng	#	83
33) 4-Chloroaniline	8.233	127	45450	12.504	ng		94
34) Hexachlorobutadiene	8.298	225	140638	47.608	ng		99
35) Caprolactam	8.604	113	54297m	61.658	ng		
36) 4-Chloro-3-methylphenol	8.716	107	167613	54.087	ng		97
37) 2-Methylnaphthalene	8.875	142	326433	47.419	ng		96
38) 1-Methylnaphthalene	8.975	142	329476	50.518	ng		99
40) 1,2,4,5-Tetrachloroben...	9.039	216	223468	50.878	ng		99
41) Hexachlorocyclopentadiene	9.027	237	163434	120.474	ng		98
43) 2,4,6-Trichlorophenol	9.151	196	143803	50.371	ng		97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144130.D
Acq On : 29 Oct 2025 16:02
Operator : RC/JU
Sample : Q3469-01MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 29 16:22:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
TP-13MS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	148549	49.579	ng	97
46) 1,1'-Biphenyl	9.339	154	483104	52.807	ng	100
47) 2-Chloronaphthalene	9.363	162	374579	48.873	ng	96
48) 2-Nitroaniline	9.463	65	117825	51.770	ng	94
49) Acenaphthylene	9.780	152	571650	55.316	ng	99
50) Dimethylphthalate	9.639	163	457405	54.603	ng	100
51) 2,6-Dinitrotoluene	9.704	165	96503	58.273	ng	92
52) Acenaphthene	9.951	154	320145	46.387	ng	98
53) 3-Nitroaniline	9.875	138	54675	29.695	ng	98
54) 2,4-Dinitrophenol	9.986	184	85977	95.989	ng	92
55) Dibenzofuran	10.127	168	475482	49.625	ng	97
56) 4-Nitrophenol	10.039	139	120158	96.373	ng	92
57) 2,4-Dinitrotoluene	10.110	165	126898	56.776	ng	95
58) Fluorene	10.469	166	364911	49.984	ng	96
59) 2,3,4,6-Tetrachlorophenol	10.245	232	118519	56.134	ng	99
60) Diethylphthalate	10.339	149	419701	53.276	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	203137	49.478	ng	98
62) 4-Nitroaniline	10.492	138	89801	51.475	ng	93
63) Azobenzene	10.622	77	422348	56.643	ng	96
65) 4,6-Dinitro-2-methylph...	10.516	198	70222	51.503	ng	94
66) n-Nitrosodiphenylamine	10.580	169	370384	54.549	ng	97
67) 4-Bromophenyl-phenylether	10.951	248	139418	52.397	ng	98
68) Hexachlorobenzene	11.016	284	168094	51.511	ng	98
69) Atrazine	11.104	200	124854	56.037	ng	98
70) Pentachlorophenol	11.216	266	157689	101.518	ng	96
71) Phenanthrene	11.433	178	548782	51.984	ng	97
72) Anthracene	11.486	178	548552	50.302	ng	98
73) Carbazole	11.639	167	455346	49.056	ng	98
74) Di-n-butylphthalate	11.969	149	588875	51.745	ng	100
75) Fluoranthene	12.627	202	565830	48.514	ng	99
77) Benzidine	12.745	184	192195	44.585	ng	99
78) Pyrene	12.857	202	563433	56.581	ng	99
80) Butylbenzylphthalate	13.468	149	203404	53.993	ng	99
81) Benzo(a)anthracene	14.045	228	550758	58.838	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	90799	27.866	ng	100
83) Chrysene	14.086	228	508980	57.944	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	281119	54.661	ng	98
85) Di-n-octyl phthalate	14.645	149	508989	57.549	ng	100
87) Indeno(1,2,3-cd)pyrene	17.051	276	573919	44.319	ng	98
88) Benzo(b)fluoranthene	15.104	252	641370	60.147	ng	99
89) Benzo(k)fluoranthene	15.133	252	520228	52.878	ng	99
90) Benzo(a)pyrene	15.480	252	568220	59.398	ng	99
91) Dibenzo(a,h)anthracene	17.062	278	456733	44.556	ng	100
92) Benzo(g,h,i)perylene	17.498	276	418759	40.632	ng	98

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

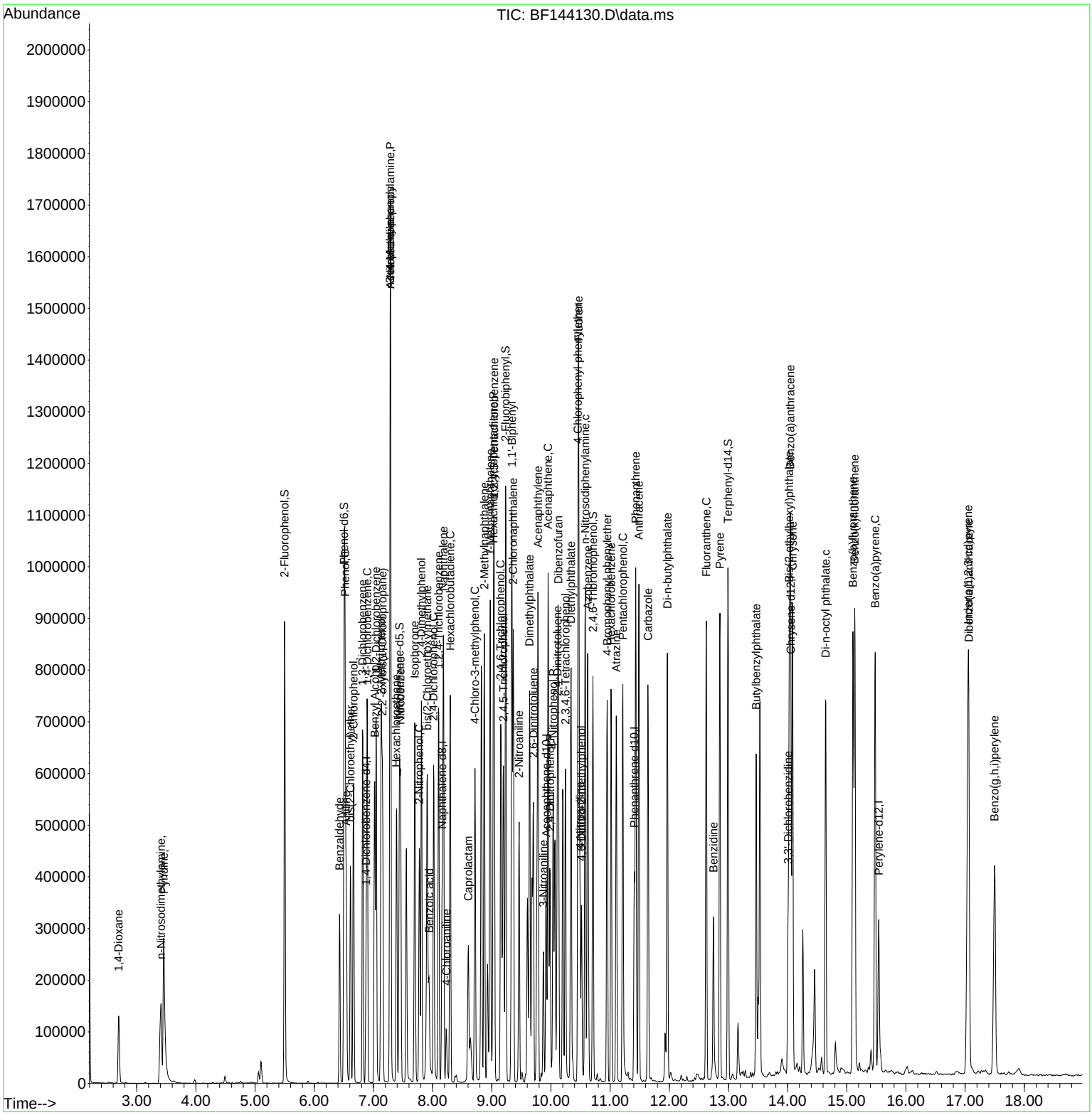
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Data File : BF144130.D
Acq On : 29 Oct 2025 16:02
Operator : RC/JU
Sample : Q3469-01MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 29 16:22:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
TP-13MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144131.D
Acq On : 29 Oct 2025 16:32
Operator : RC/JU
Sample : Q3469-01MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 29 16:54:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
TP-13MSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	55386	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	217401	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	121422	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	206304	20.000	ng		0.00
76) Chrysene-d12	14.057	240	148079	20.000	ng		0.00
86) Perylene-d12	15.539	264	188765	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	321907	91.953	ng		0.00
7) Phenol-d6	6.504	99	359560	93.000	ng		0.00
23) Nitrobenzene-d5	7.439	82	238989	60.227	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	141040	91.189	ng		0.00
45) 2-Fluorobiphenyl	9.233	172	514348	59.610	ng		0.00
79) Terphenyl-d14	12.992	244	503677	59.464	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.693	88	68318	45.161	ng		96
3) Pyridine	3.457	79	187144	46.209	ng		100
4) n-Nitrosodimethylamine	3.404	42	119949	48.200	ng		93
6) Aniline	6.539	93	176110	31.840	ng		99
8) 2-Chlorophenol	6.663	128	171396	49.715	ng		99
9) Benzaldehyde	6.428	77	82600	27.517	ng		96
10) Phenol	6.522	94	238796	50.064	ng		96
11) bis(2-Chloroethyl)ether	6.610	93	179946	52.209	ng		98
12) 1,3-Dichlorobenzene	6.816	146	216325	50.867	ng		100
13) 1,4-Dichlorobenzene	6.892	146	220777	52.677	ng		99
14) 1,2-Dichlorobenzene	7.045	146	209424	51.642	ng		99
15) Benzyl Alcohol	7.016	79	173624	55.229	ng		100
16) 2,2'-oxybis(1-Chloropr...	7.151	45	340455	52.558	ng		99
17) 2-Methylphenol	7.128	107	140717	53.069	ng		94
18) Hexachloroethane	7.386	117	71458	47.689	ng		97
19) n-Nitroso-di-n-propyla...	7.286	70	134760	53.901	ng		95
20) 3+4-Methylphenols	7.281	107	161500	51.522	ng	#	87
22) Acetophenone	7.286	105	260801	55.510	ng		95
24) Nitrobenzene	7.457	77	206008	49.077	ng		99
25) Isophorone	7.698	82	358096	51.618	ng		99
26) 2-Nitrophenol	7.775	139	102324	51.241	ng		93
27) 2,4-Dimethylphenol	7.810	122	163956	55.250	ng		99
28) bis(2-Chloroethoxy)met...	7.904	93	223448	51.648	ng		99
29) 2,4-Dichlorophenol	8.016	162	169375	49.080	ng		98
30) 1,2,4-Trichlorobenzene	8.098	180	179782	50.639	ng		100
31) Naphthalene	8.181	128	491660	47.917	ng		99
32) Benzoic acid	7.933	122	112668	59.856	ng		87
33) 4-Chloroaniline	8.233	127	50260	14.071	ng		97
34) Hexachlorobutadiene	8.298	225	132792	45.743	ng		100
35) Caprolactam	8.598	113	50533m	58.393	ng		
36) 4-Chloro-3-methylphenol	8.716	107	161197	52.931	ng		96
37) 2-Methylnaphthalene	8.875	142	317964	47.001	ng		99
38) 1-Methylnaphthalene	8.975	142	310373	48.426	ng		100
40) 1,2,4,5-Tetrachloroben...	9.039	216	210898	50.538	ng		98
41) Hexachlorocyclopentadiene	9.028	237	155867	120.930	ng		98
43) 2,4,6-Trichlorophenol	9.151	196	134463	49.573	ng		96

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144131.D
Acq On : 29 Oct 2025 16:32
Operator : RC/JU
Sample : Q3469-01MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-13MSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

Quant Time: Oct 29 16:54:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	146079	51.315	ng	94
46) 1,1'-Biphenyl	9.339	154	451713	51.969	ng	100
47) 2-Chloronaphthalene	9.363	162	349103	47.941	ng	97
48) 2-Nitroaniline	9.463	65	112870	52.198	ng	95
49) Acenaphthylene	9.780	152	554769	56.502	ng	99
50) Dimethylphthalate	9.639	163	425077	53.409	ng	99
51) 2,6-Dinitrotoluene	9.704	165	88711	56.381	ng	93
52) Acenaphthene	9.951	154	335585	51.177	ng	98
53) 3-Nitroaniline	9.875	138	51944	29.693	ng	99
54) 2,4-Dinitrophenol	9.980	184	84139	98.870	ng	95
55) Dibenzofuran	10.127	168	446708	49.071	ng	98
56) 4-Nitrophenol	10.039	139	116715	98.528	ng	90
57) 2,4-Dinitrotoluene	10.110	165	120464	56.728	ng	94
58) Fluorene	10.469	166	350715	50.562	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	110874m	55.271	ng	
60) Diethylphthalate	10.339	149	403388	53.894	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	197575	50.651	ng	98
62) 4-Nitroaniline	10.486	138	85488	51.576	ng	95
63) Azobenzene	10.622	77	400552	56.541	ng	95
65) 4,6-Dinitro-2-methylph...	10.516	198	64592	48.800	ng	97
66) n-Nitrosodiphenylamine	10.580	169	343737	52.149	ng	98
67) 4-Bromophenyl-phenylether	10.951	248	131024	50.725	ng	96
68) Hexachlorobenzene	11.016	284	160382	50.627	ng	97
69) Atrazine	11.104	200	118406	54.742	ng	97
70) Pentachlorophenol	11.216	266	153682	101.916	ng	98
71) Phenanthrene	11.433	178	523618	51.093	ng	99
72) Anthracene	11.486	178	527695	49.845	ng	99
73) Carbazole	11.639	167	446428	49.543	ng	99
74) Di-n-butylphthalate	11.969	149	576013	52.138	ng	99
75) Fluoranthene	12.621	202	558248	49.305	ng	99
77) Benzidine	12.745	184	198536	43.081	ng	98
78) Pyrene	12.857	202	574988	54.011	ng	99
80) Butylbenzylphthalate	13.468	149	210648	52.302	ng	97
81) Benzo(a)anthracene	14.045	228	553718	55.332	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	92388	26.521	ng	98
83) Chrysene	14.080	228	512042	54.526	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	293458	53.373	ng	99
85) Di-n-octyl phthalate	14.639	149	519005	54.889	ng	100
87) Indeno(1,2,3-cd)pyrene	17.045	276	564415	43.551	ng	99
88) Benzo(b)fluoranthene	15.104	252	646577	60.589	ng	99
89) Benzo(k)fluoranthene	15.133	252	511256	51.926	ng	100
90) Benzo(a)pyrene	15.480	252	561132	58.612	ng	100
91) Dibenzo(a,h)anthracene	17.062	278	455578	44.409	ng	99
92) Benzo(g,h,i)perylene	17.498	276	416837	40.415	ng	98

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

Quantitation Report (QT Reviewed)

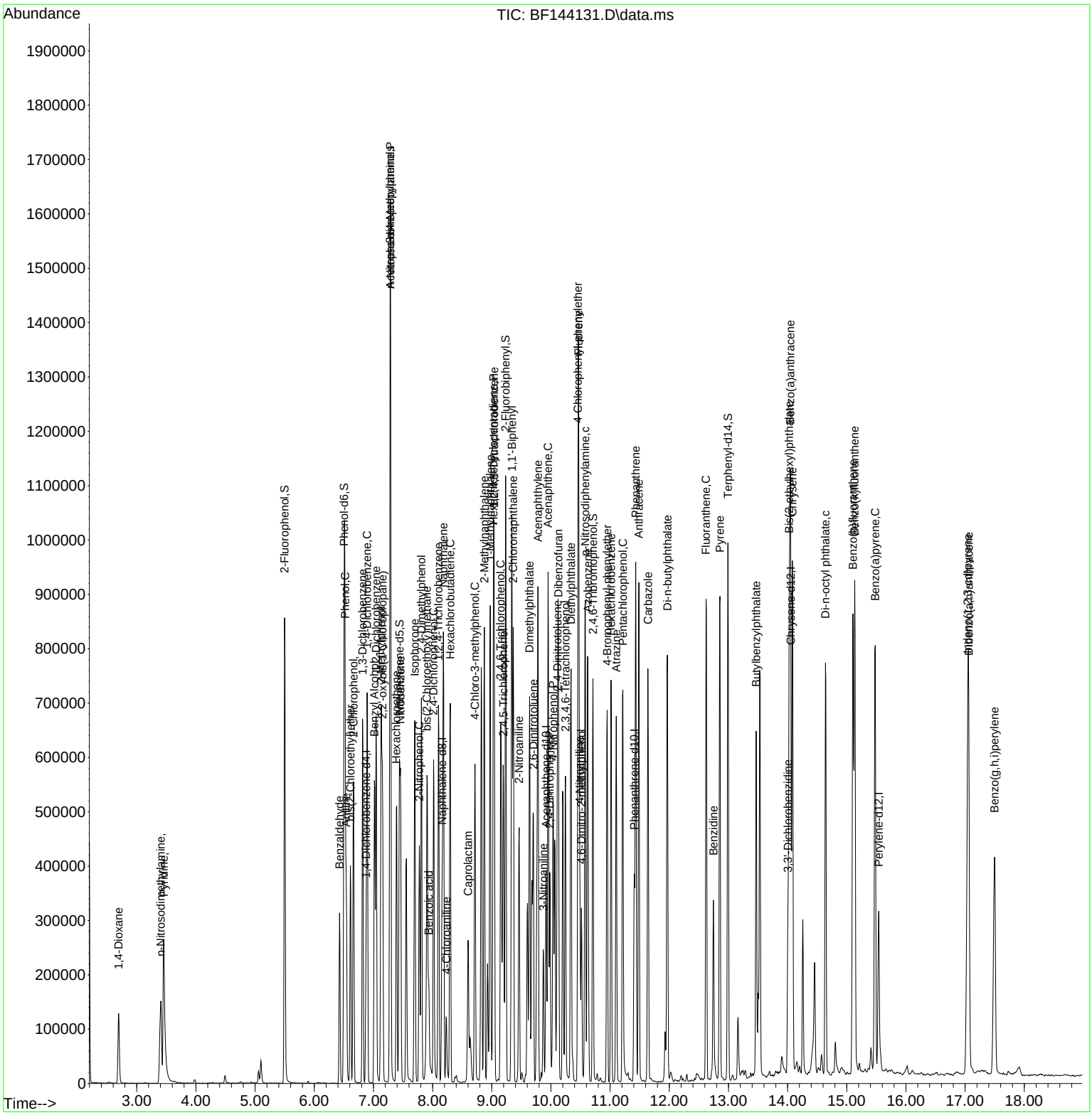
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Data File : BF144131.D
Acq On : 29 Oct 2025 16:32
Operator : RC/JU
Sample : Q3469-01MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 29 16:54:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
TP-13MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025



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

Manual Integration Report

Sequence:	BF102425	Instrument	BNA_f

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

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

Manual Integration Report

Sequence:	BF102925	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3469-01MS	BF144130.D	Caprolactam	rahul	10/30/2025 8:48:09 AM	Jagrut	10/30/2025 4:42:00 PM	Peak Integrated by Software
Q3469-01MSD	BF144131.D	2,3,4,6-Tetrachlorophenol	rahul	10/30/2025 8:48:12 AM	Jagrut	10/30/2025 4:42:03 PM	Peak Integrated by Software
Q3469-01MSD	BF144131.D	Caprolactam	rahul	10/30/2025 8:48:12 AM	Jagrut	10/30/2025 4:42:03 PM	Peak Integrated by Software
Q3466-02	BF144135.D	Benzo(a)anthracene	rahul	10/30/2025 4:41:03 PM	Jagrut	10/30/2025 4:42:06 PM	Peak Integrated by Software
Q3466-02	BF144135.D	Benzo(b)fluoranthene	rahul	10/30/2025 4:41:03 PM	Jagrut	10/30/2025 4:42:06 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BG102425	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BG064570.D	1,4-Dichlorobenzene	rahul	10/27/2025 8:32:20 AM	mohammad	11/5/2025 12:11:16 AM	Peak Integrated by Software
SSTDICC005	BG064570.D	1-Methylnaphthalene	rahul	10/27/2025 8:32:20 AM	mohammad	11/5/2025 12:11:16 AM	Peak Integrated by Software
SSTDICC010	BG064571.D	Benzoic acid	rahul	10/27/2025 8:32:22 AM	mohammad	11/5/2025 12:11:16 AM	Peak Integrated by Software
SSTDICC020	BG064572.D	Benzoic acid	rahul	10/27/2025 8:32:28 AM	mohammad	11/5/2025 12:11:16 AM	Peak Integrated by Software
SSTDICCC040	BG064573.D	Benzoic acid	rahul	10/27/2025 8:33:01 AM	mohammad	11/5/2025 12:11:16 AM	Peak Integrated by Software
SSTDICC060	BG064574.D	Benzoic acid	Jagrut	11/4/2025 3:47:57 PM	mohammad	11/5/2025 12:11:16 AM	Peak Integrated by Software
SSTDICC080	BG064575.D	Benzoic acid	Jagrut	11/4/2025 3:48:00 PM	mohammad	11/5/2025 12:11:16 AM	Peak Integrated by Software
SSTDICC050	BG064576.D	Benzoic acid	rahul	10/27/2025 8:33:12 AM	mohammad	11/5/2025 12:11:16 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BG102925	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB170285BS	BG064620.D	Caprolactam	Jagrut	11/4/2025 3:51:56 PM	mohammad	11/5/2025 12:11:38 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BP102925	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BP026030.D	Benzaldehyde	rahul	10/30/2025 8:52:02 AM	Jagrut	11/4/2025 3:52:40 PM	Peak Integrated by Software
SSTDICC010	BP026030.D	Indeno(1,2,3-cd)pyrene	rahul	10/30/2025 8:52:02 AM	Jagrut	11/4/2025 3:52:40 PM	Peak Integrated by Software
SSTDICC020	BP026031.D	Benzaldehyde	rahul	10/30/2025 8:52:04 AM	Jagrut	11/4/2025 3:52:42 PM	Peak Integrated by Software
SSTDICC020	BP026031.D	Indeno(1,2,3-cd)pyrene	rahul	10/30/2025 8:52:04 AM	Jagrut	11/4/2025 3:52:42 PM	Peak Integrated by Software
SSTDICC050	BP026033.D	Indeno(1,2,3-cd)pyrene	rahul	10/30/2025 8:52:07 AM	Jagrut	11/4/2025 3:52:45 PM	Peak Integrated by Software
SSTDICC080	BP026035.D	Indeno(1,2,3-cd)pyrene	rahul	10/30/2025 8:52:09 AM	Jagrut	11/4/2025 3:52:47 PM	Peak Integrated by Software
SSTDICV040	BP026036.D	Benzaldehyde	rahul	10/30/2025 4:44:10 PM	Jagrut	11/4/2025 3:52:50 PM	Peak Integrated by Software
SSTDICV040	BP026036.D	Indeno(1,2,3-cd)pyrene	rahul	10/30/2025 4:44:10 PM	Jagrut	11/4/2025 3:52:50 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BP103025	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP026039.D	Indeno(1,2,3-cd)pyrene	rahul	10/31/2025 2:17:01 PM	Jagrut	10/31/2025 2:24:54 PM	Peak Integrated by Software
Q3466-05	BP026050.D	Benzo(b)fluoranthene	rahul	10/31/2025 2:17:24 PM	Jagrut	10/31/2025 2:25:13 PM	Peak Integrated by Software
Q3466-05	BP026050.D	Benzo(k)fluoranthene	rahul	10/31/2025 2:17:24 PM	Jagrut	10/31/2025 2:25:13 PM	Peak Integrated by Software

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102425

Review By	rahul	Review On	10/27/2025 10:16:31 AM		
Supervise By	Jagrut	Supervise On	10/27/2025 4:26:19 PM		
SubDirectory	BF102425	HP Acquire Method	BNA_F	HP Processing Method	BF102425

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13179,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF144055.D	24 Oct 2025 09:45	RC/JU	Ok
2	SSTDICC2.5	BF144056.D	24 Oct 2025 10:13	RC/JU	Ok
3	SSTDICC005	BF144057.D	24 Oct 2025 10:42	RC/JU	Ok
4	SSTDICC010	BF144058.D	24 Oct 2025 11:39	RC/JU	Ok
5	SSTDICC020	BF144059.D	24 Oct 2025 12:36	RC/JU	Ok
6	SSTDICCC040	BF144060.D	24 Oct 2025 13:05	RC/JU	Ok
7	SSTDICC050	BF144061.D	24 Oct 2025 13:34	RC/JU	Ok
8	SSTDICC060	BF144062.D	24 Oct 2025 14:03	RC/JU	Not Ok
9	SSTDICC080	BF144063.D	24 Oct 2025 14:32	RC/JU	Ok
10	SSTDICC060	BF144064.D	24 Oct 2025 16:24	RC/JU	Ok
11	SSTDICV040	BF144065.D	24 Oct 2025 17:22	RC/JU	Ok
12	PB170222BL	BF144066.D	24 Oct 2025 17:51	RC/JU	Ok
13	Q3431-01	BF144067.D	24 Oct 2025 18:20	RC/JU	Ok,M
14	Q3431-01DL	BF144068.D	24 Oct 2025 18:48	RC/JU	Not Ok
15	Q3405-01	BF144069.D	24 Oct 2025 19:17	RC/JU	Ok
16	Q3406-01	BF144070.D	24 Oct 2025 19:46	RC/JU	Ok
17	Q3412-01	BF144071.D	24 Oct 2025 20:15	RC/JU	Dilution
18	Q3445-01	BF144072.D	24 Oct 2025 20:44	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102925

Review By	rahul	Review On	10/30/2025 8:49:10 AM				
Supervise By	Jagrut	Supervise On	10/30/2025 4:42:33 PM				
SubDirectory	BF102925	HP Acquire Method	BNA_F		HP Processing Method	BF102425	

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13180,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF144120.D	29 Oct 2025 11:00	RC/JU	Ok
2	SSTDCCC040	BF144121.D	29 Oct 2025 11:30	RC/JU	Ok
3	PB170202TB	BF144122.D	29 Oct 2025 12:00	RC/JU	Ok
4	PB170259BL	BF144123.D	29 Oct 2025 12:30	RC/JU	Ok
5	PB170259BS	BF144124.D	29 Oct 2025 13:00	RC/JU	Ok,M
6	Q3460-17	BF144125.D	29 Oct 2025 13:33	RC/JU	Ok,M
7	Q3419-04	BF144126.D	29 Oct 2025 14:03	RC/JU	Ok,M
8	Q3427-04MS	BF144127.D	29 Oct 2025 14:33	RC/JU	Ok,M
9	Q3427-04MSD	BF144128.D	29 Oct 2025 15:02	RC/JU	Ok,M
10	Q3469-01	BF144129.D	29 Oct 2025 15:32	RC/JU	Ok,M
11	Q3469-01MS	BF144130.D	29 Oct 2025 16:02	RC/JU	Ok,M
12	Q3469-01MSD	BF144131.D	29 Oct 2025 16:32	RC/JU	Ok,M
13	Q3434-02	BF144132.D	29 Oct 2025 17:02	RC/JU	Ok
14	Q3480-01	BF144133.D	29 Oct 2025 17:32	RC/JU	Ok
15	Q3476-01	BF144134.D	29 Oct 2025 18:01	RC/JU	Ok
16	Q3466-02	BF144135.D	29 Oct 2025 18:31	RC/JU	Ok,M
17	Q3466-07	BF144136.D	29 Oct 2025 19:01	RC/JU	Not Ok
18	Q3481-01	BF144137.D	29 Oct 2025 19:30	RC/JU	Ok,M
19	Q3472-04	BF144138.D	29 Oct 2025 20:00	RC/JU	Ok
20	Q3472-06	BF144139.D	29 Oct 2025 20:29	RC/JU	Ok
21	Q3472-08	BF144140.D	29 Oct 2025 20:59	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102925

Review By	rahul	Review On	10/30/2025 8:49:10 AM				
Supervise By	Jagrut	Supervise On	10/30/2025 4:42:33 PM				
SubDirectory	BF102925	HP Acquire Method	BNA_F		HP Processing Method	BF102425	

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13180,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q3472-10	BF144141.D	29 Oct 2025 21:28	RC/JU	Ok,M
23	Q3472-12	BF144142.D	29 Oct 2025 21:57	RC/JU	Ok
24	Q3472-14	BF144143.D	29 Oct 2025 22:27	RC/JU	Dilution

M : Manual Integration

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG102425

Review By	rahul	Review On	10/27/2025 10:16:00 AM				
Supervise By	mohammad	Supervise On	11/5/2025 12:11:16 AM				
SubDirectory	BG102425	HP Acquire Method	BNA_G		HP Processing Method	BG102425	

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13179,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064568.D	24 Oct 2025 8:20	RC/JU	Ok
2	SSTDICC2.5	BG064569.D	24 Oct 2025 9:00	RC/JU	Ok
3	SSTDICC005	BG064570.D	24 Oct 2025 9:41	RC/JU	Ok,M
4	SSTDICC010	BG064571.D	24 Oct 2025 11:02	RC/JU	Ok,M
5	SSTDICC020	BG064572.D	24 Oct 2025 12:23	RC/JU	Ok,M
6	SSTDICCC040	BG064573.D	24 Oct 2025 13:03	RC/JU	Ok,M
7	SSTDICC060	BG064574.D	24 Oct 2025 13:44	RC/JU	Ok,M
8	SSTDICC080	BG064575.D	24 Oct 2025 14:24	RC/JU	Ok,M
9	SSTDICC050	BG064576.D	24 Oct 2025 15:32	RC/JU	Ok,M
10	SSTDICV040	BG064577.D	24 Oct 2025 16:47	RC/JU	Ok
11	PB170222BL	BG064578.D	24 Oct 2025 17:28	RC/JU	Not Ok
12	Q3405-02	BG064579.D	24 Oct 2025 18:08	RC/JU	Ok
13	Q3405-03	BG064580.D	24 Oct 2025 18:49	RC/JU	Ok
14	Q3405-04	BG064581.D	24 Oct 2025 19:30	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG102925

Review By	rahul	Review On	10/30/2025 8:51:46 AM				
Supervise By	mohammad	Supervise On	11/5/2025 12:11:38 AM				
SubDirectory	BG102925	HP Acquire Method	BNA_G		HP Processing Method	BG102425	

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13180,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064617.D	29 Oct 2025 10:41	RC/JU	Ok
2	SSTDCCC040	BG064618.D	29 Oct 2025 11:22	RC/JU	Ok
3	PB170285BL	BG064619.D	29 Oct 2025 12:03	RC/JU	Ok
4	PB170285BS	BG064620.D	29 Oct 2025 12:44	RC/JU	Ok,M
5	PB170215BL	BG064621.D	29 Oct 2025 13:25	RC/JU	Ok
6	PB170215BS	BG064622.D	29 Oct 2025 14:06	RC/JU	Ok,M
7	Q3477-01	BG064623.D	29 Oct 2025 14:50	RC/JU	Ok
8	Q3477-01MS	BG064624.D	29 Oct 2025 15:31	RC/JU	Ok,M
9	Q3477-01MSD	BG064625.D	29 Oct 2025 16:12	RC/JU	Ok,M
10	Q3419-01	BG064626.D	29 Oct 2025 16:53	RC/JU	Ok
11	Q3419-02MS	BG064627.D	29 Oct 2025 17:34	RC/JU	Ok,M
12	Q3419-03MSD	BG064628.D	29 Oct 2025 18:15	RC/JU	Ok,M
13	Q3468-01	BG064629.D	29 Oct 2025 18:56	RC/JU	Ok,M
14	Q3468-02	BG064630.D	29 Oct 2025 19:37	RC/JU	Ok,M
15	Q3468-03	BG064631.D	29 Oct 2025 20:18	RC/JU	Ok
16	Q3468-04	BG064632.D	29 Oct 2025 20:59	RC/JU	Ok
17	Q3468-05	BG064633.D	29 Oct 2025 21:40	RC/JU	Ok
18	Q3468-06	BG064634.D	29 Oct 2025 22:21	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP102925

Review By	rahul	Review On	10/30/2025 8:52:33 AM		
Supervise By	Jagrut	Supervise On	11/4/2025 3:53:07 PM		
SubDirectory	BP102925	HP Acquire Method	BNA_P	HP Processing Method	BP102925

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13180,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP026027.D	29 Oct 2025 08:45	RC/JU	Ok
2	SSTDICC2.5	BP026028.D	29 Oct 2025 09:26	RC/JU	Ok
3	SSTDICC005	BP026029.D	29 Oct 2025 10:07	RC/JU	Ok
4	SSTDICC010	BP026030.D	29 Oct 2025 10:48	RC/JU	Ok,M
5	SSTDICC020	BP026031.D	29 Oct 2025 11:29	RC/JU	Ok,M
6	SSTDICCC040	BP026032.D	29 Oct 2025 12:10	RC/JU	Ok
7	SSTDICC050	BP026033.D	29 Oct 2025 12:51	RC/JU	Ok,M
8	SSTDICC060	BP026034.D	29 Oct 2025 13:32	RC/JU	Ok
9	SSTDICC080	BP026035.D	29 Oct 2025 14:13	RC/JU	Ok,M
10	SSTDICV040	BP026036.D	29 Oct 2025 16:09	RC/JU	Ok,M
11	PB170259BL	BP026037.D	29 Oct 2025 16:50	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP103025

Review By	rahul	Review On	10/31/2025 2:17:51 PM				
Supervise By	Jagrut	Supervise On	10/31/2025 2:25:27 PM				
SubDirectory	BP103025	HP Acquire Method	BNA_P		HP Processing Method	BP102925	

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	BP026038.D	30 Oct 2025 10:34	RC/JU	Ok
2	SSTDCCC040	BP026039.D	30 Oct 2025 11:15	RC/JU	Ok,M
3	PB170294BL	BP026040.D	30 Oct 2025 11:56	RC/JU	Ok
4	PB170294BS	BP026041.D	30 Oct 2025 12:36	RC/JU	Ok,M
5	PB170261TB	BP026042.D	30 Oct 2025 13:17	RC/JU	Ok
6	Q3472-14DL	BP026043.D	30 Oct 2025 15:01	RC/JU	Ok
7	Q3447-02	BP026044.D	30 Oct 2025 15:42	RC/JU	Ok,M
8	Q3447-04	BP026045.D	30 Oct 2025 16:23	RC/JU	Ok
9	Q3447-04MS	BP026046.D	30 Oct 2025 17:46	RC/JU	Ok,M
10	Q3447-04MSD	BP026047.D	30 Oct 2025 18:27	RC/JU	Ok,M
11	Q3469-04	BP026048.D	30 Oct 2025 19:08	RC/JU	Ok,M
12	Q3447-08	BP026049.D	30 Oct 2025 19:49	RC/JU	ReRun
13	Q3466-05	BP026050.D	30 Oct 2025 20:30	RC/JU	Ok,M
14	Q3466-07	BP026051.D	30 Oct 2025 21:11	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102425

Review By	rahul	Review On	10/27/2025 10:16:31 AM		
Supervise By	Jagrut	Supervise On	10/27/2025 4:26:19 PM		
SubDirectory	BF102425	HP Acquire Method	BNA_F	HP Processing Method	BF102425

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13179,10ul/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	BF144055.D	24 Oct 2025 09:45		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF144056.D	24 Oct 2025 10:13		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF144057.D	24 Oct 2025 10:42		RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF144058.D	24 Oct 2025 11:39		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF144059.D	24 Oct 2025 12:36		RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF144060.D	24 Oct 2025 13:05		RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF144061.D	24 Oct 2025 13:34		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF144062.D	24 Oct 2025 14:03	Not Used	RC/JU	Not Ok
9	SSTDICC080	SSTDICC080	BF144063.D	24 Oct 2025 14:32		RC/JU	Ok
10	SSTDICC060	SSTDICC060	BF144064.D	24 Oct 2025 16:24		RC/JU	Ok
11	SSTDICV040	ICVBF102425	BF144065.D	24 Oct 2025 17:22		RC/JU	Ok
12	PB170222BL	PB170222BL	BF144066.D	24 Oct 2025 17:51		RC/JU	Ok
13	Q3431-01	EO-02-10222025	BF144067.D	24 Oct 2025 18:20		RC/JU	Ok,M
14	Q3431-01DL	EO-02-10222025DL	BF144068.D	24 Oct 2025 18:48	Not Required	RC/JU	Not Ok
15	Q3405-01	PAD-10-20-25-A	BF144069.D	24 Oct 2025 19:17		RC/JU	Ok
16	Q3406-01	ARS20-0037	BF144070.D	24 Oct 2025 19:46		RC/JU	Ok
17	Q3412-01	TP-6	BF144071.D	24 Oct 2025 20:15	Need 5X Dilution	RC/JU	Dilution
18	Q3445-01	EO-01-102325	BF144072.D	24 Oct 2025 20:44		RC/JU	Ok,M

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102425

Review By	rahul	Review On	10/27/2025 10:16:31 AM		
Supervise By	Jagrut	Supervise On	10/27/2025 4:26:19 PM		
SubDirectory	BF102425	HP Acquire Method	BNA_F	HP Processing Method	BF102425

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13179,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102925

Review By	rahul	Review On	10/30/2025 8:49:10 AM		
Supervise By	Jagrut	Supervise On	10/30/2025 4:42:33 PM		
SubDirectory	BF102925	HP Acquire Method	BNA_F	HP Processing Method	BF102425

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13180,10ul/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	BF144120.D	29 Oct 2025 11:00		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF144121.D	29 Oct 2025 11:30		RC/JU	Ok
3	PB170202TB	PB170202TB	BF144122.D	29 Oct 2025 12:00		RC/JU	Ok
4	PB170259BL	PB170259BL	BF144123.D	29 Oct 2025 12:30		RC/JU	Ok
5	PB170259BS	PB170259BS	BF144124.D	29 Oct 2025 13:00		RC/JU	Ok,M
6	Q3460-17	WC-5	BF144125.D	29 Oct 2025 13:33		RC/JU	Ok,M
7	Q3419-04	PR132-S16-119133-201	BF144126.D	29 Oct 2025 14:03		RC/JU	Ok,M
8	Q3427-04MS	TP-8MS	BF144127.D	29 Oct 2025 14:33		RC/JU	Ok,M
9	Q3427-04MSD	TP-8MSD	BF144128.D	29 Oct 2025 15:02		RC/JU	Ok,M
10	Q3469-01	TP-13	BF144129.D	29 Oct 2025 15:32		RC/JU	Ok,M
11	Q3469-01MS	TP-13MS	BF144130.D	29 Oct 2025 16:02		RC/JU	Ok,M
12	Q3469-01MSD	TP-13MSD	BF144131.D	29 Oct 2025 16:32		RC/JU	Ok,M
13	Q3434-02	PR132-WC2-20251022	BF144132.D	29 Oct 2025 17:02		RC/JU	Ok
14	Q3480-01	RT3449	BF144133.D	29 Oct 2025 17:32		RC/JU	Ok
15	Q3476-01	NB-07-102825	BF144134.D	29 Oct 2025 18:01		RC/JU	Ok
16	Q3466-02	B8-0.0-1.0-20251023	BF144135.D	29 Oct 2025 18:31		RC/JU	Ok,M
17	Q3466-07	B7-1.0-2.0-20251023	BF144136.D	29 Oct 2025 19:01	Need straight Run	RC/JU	Not Ok
18	Q3481-01	OR-02-102825	BF144137.D	29 Oct 2025 19:30		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102925

Review By	rahul	Review On	10/30/2025 8:49:10 AM		
Supervise By	Jagrut	Supervise On	10/30/2025 4:42:33 PM		
SubDirectory	BF102925	HP Acquire Method	BNA_F	HP Processing Method	BF102425

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13180,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q3472-04	COMP-1	BF144138.D	29 Oct 2025 20:00		RC/JU	Ok
20	Q3472-06	COMP-2	BF144139.D	29 Oct 2025 20:29	Internal standard fail	RC/JU	Ok
21	Q3472-08	COMP-3	BF144140.D	29 Oct 2025 20:59	Internal standard fail	RC/JU	Ok
22	Q3472-10	COMP-4	BF144141.D	29 Oct 2025 21:28	Surrogate Fail,	RC/JU	Ok,M
23	Q3472-12	COMP-5	BF144142.D	29 Oct 2025 21:57		RC/JU	Ok
24	Q3472-14	155	BF144143.D	29 Oct 2025 22:27	need further 10X	RC/JU	Dilution

M : Manual Integration

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG102425

Review By	rahul	Review On	10/27/2025 10:16:00 AM		
Supervise By	mohammad	Supervise On	11/5/2025 12:11:16 AM		
SubDirectory	BG102425	HP Acquire Method	BNA_G	HP Processing Method	BG102425

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13179,10ul/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	BG064568.D	24 Oct 2025 8:20		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BG064569.D	24 Oct 2025 9:00		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BG064570.D	24 Oct 2025 9:41		RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BG064571.D	24 Oct 2025 11:02		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BG064572.D	24 Oct 2025 12:23	Compound #32 kept on QR	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BG064573.D	24 Oct 2025 13:03	Compound #26,48,51,54,57,65 are kept on LR	RC/JU	Ok,M
7	SSTDICC060	SSTDICC060	BG064574.D	24 Oct 2025 13:44		RC/JU	Ok,M
8	SSTDICC080	SSTDICC080	BG064575.D	24 Oct 2025 14:24		RC/JU	Ok,M
9	SSTDICC050	SSTDICC050	BG064576.D	24 Oct 2025 15:32		RC/JU	Ok,M
10	SSTDICV040	ICVBG102425	BG064577.D	24 Oct 2025 16:47	compound #77 failed in the ICV.	RC/JU	Ok
11	PB170222BL	PB170222BL	BG064578.D	24 Oct 2025 17:28	Analyzed for contamination check	RC/JU	Not Ok
12	Q3405-02	PAD-10-20-25-B	BG064579.D	24 Oct 2025 18:08		RC/JU	Ok
13	Q3405-03	PAD-10-20-25-C	BG064580.D	24 Oct 2025 18:49		RC/JU	Ok
14	Q3405-04	SW-10-20-25	BG064581.D	24 Oct 2025 19:30		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG102925

Review By	rahul	Review On	10/30/2025 8:51:46 AM		
Supervise By	mohammad	Supervise On	11/5/2025 12:11:38 AM		
SubDirectory	BG102925	HP Acquire Method	BNA_G	HP Processing Method	BG102425

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13180,10ul/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	BG064617.D	29 Oct 2025 10:41		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BG064618.D	29 Oct 2025 11:22		RC/JU	Ok
3	PB170285BL	PB170285BL	BG064619.D	29 Oct 2025 12:03		RC/JU	Ok
4	PB170285BS	PB170285BS	BG064620.D	29 Oct 2025 12:44		RC/JU	Ok,M
5	PB170215BL	PB170215BL	BG064621.D	29 Oct 2025 13:25		RC/JU	Ok
6	PB170215BS	PB170215BS	BG064622.D	29 Oct 2025 14:06		RC/JU	Ok,M
7	Q3477-01	SOUTH-MAHWAH-SOI	BG064623.D	29 Oct 2025 14:50		RC/JU	Ok
8	Q3477-01MS	SOUTH-MAHWAH-SOI	BG064624.D	29 Oct 2025 15:31		RC/JU	Ok,M
9	Q3477-01MSD	SOUTH-MAHWAH-SOI	BG064625.D	29 Oct 2025 16:12		RC/JU	Ok,M
10	Q3419-01	PR-132-S16-015094-2(	BG064626.D	29 Oct 2025 16:53		RC/JU	Ok
11	Q3419-02MS	PR-132-S16-015094-2(	BG064627.D	29 Oct 2025 17:34		RC/JU	Ok,M
12	Q3419-03MSD	PR-132-S16-015094-2(	BG064628.D	29 Oct 2025 18:15		RC/JU	Ok,M
13	Q3468-01	MW-06	BG064629.D	29 Oct 2025 18:56		RC/JU	Ok,M
14	Q3468-02	MW-08	BG064630.D	29 Oct 2025 19:37		RC/JU	Ok,M
15	Q3468-03	MW-10	BG064631.D	29 Oct 2025 20:18		RC/JU	Ok
16	Q3468-04	MW-11	BG064632.D	29 Oct 2025 20:59		RC/JU	Ok
17	Q3468-05	MW-13	BG064633.D	29 Oct 2025 21:40		RC/JU	Ok
18	Q3468-06	MW-12	BG064634.D	29 Oct 2025 22:21		RC/JU	Ok

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG102925

Review By	rahul	Review On	10/30/2025 8:51:46 AM		
Supervise By	mohammad	Supervise On	11/5/2025 12:11:38 AM		
SubDirectory	BG102925	HP Acquire Method	BNA_G	HP Processing Method	BG102425

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13180,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP102925

Review By	rahul	Review On	10/30/2025 8:52:33 AM		
Supervise By	Jagrut	Supervise On	11/4/2025 3:53:07 PM		
SubDirectory	BP102925	HP Acquire Method	BNA_P	HP Processing Method	BP102925

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13180,10ul/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	BP026027.D	29 Oct 2025 08:45		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BP026028.D	29 Oct 2025 09:26		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BP026029.D	29 Oct 2025 10:07		RC/JU	Ok
4	SSTDICC010	SSTDICC010	BP026030.D	29 Oct 2025 10:48		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BP026031.D	29 Oct 2025 11:29		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BP026032.D	29 Oct 2025 12:10	Compound #26,48,51,53,57,80,84 are kept on LR & Compound #32,54,65 are kept on QR	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BP026033.D	29 Oct 2025 12:51		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BP026034.D	29 Oct 2025 13:32		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BP026035.D	29 Oct 2025 14:13	Compound #26 is removed from 80ppm & 60PPM	RC/JU	Ok,M
10	SSTDICV040	ICVBP102925	BP026036.D	29 Oct 2025 16:09		RC/JU	Ok,M
11	PB170259BL	PB170259BL	BP026037.D	29 Oct 2025 16:50		RC/JU	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP103025

Review By	rahul	Review On	10/31/2025 2:17:51 PM		
Supervise By	Jagrut	Supervise On	10/31/2025 2:25:27 PM		
SubDirectory	BP103025	HP Acquire Method	BNA_P	HP Processing Method	BP102925

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	BP026038.D	30 Oct 2025 10:34		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP026039.D	30 Oct 2025 11:15		RC/JU	Ok,M
3	PB170294BL	PB170294BL	BP026040.D	30 Oct 2025 11:56		RC/JU	Ok
4	PB170294BS	PB170294BS	BP026041.D	30 Oct 2025 12:36		RC/JU	Ok,M
5	PB170261TB	PB170261TB	BP026042.D	30 Oct 2025 13:17		RC/JU	Ok
6	Q3472-14DL	155DL	BP026043.D	30 Oct 2025 15:01		RC/JU	Ok
7	Q3447-02	P001-TW1-251023-01	BP026044.D	30 Oct 2025 15:42		RC/JU	Ok,M
8	Q3447-04	P001-TW2-251023-01	BP026045.D	30 Oct 2025 16:23		RC/JU	Ok
9	Q3447-04MS	P001-TW2-251023-01M	BP026046.D	30 Oct 2025 17:46		RC/JU	Ok,M
10	Q3447-04MSD	P001-TW2-251023-01M	BP026047.D	30 Oct 2025 18:27		RC/JU	Ok,M
11	Q3469-04	TP-13	BP026048.D	30 Oct 2025 19:08		RC/JU	Ok,M
12	Q3447-08	P001-TW4-251023-01	BP026049.D	30 Oct 2025 19:49	Surrogate Fail;Internal Standard Fail	RC/JU	ReRun
13	Q3466-05	B9-0.0-1.0-20251023	BP026050.D	30 Oct 2025 20:30		RC/JU	Ok,M
14	Q3466-07	B7-1.0-2.0-20251023	BP026051.D	30 Oct 2025 21:11		RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB170285

SOP ID:	M3541-ASE Extraction-15				
Clean Up SOP #:	N/A			**Extraction Start Date :**	10/28/2025
Matrix :	Solid			**Extraction Start Time :**	09:36
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	10/28/2025
Balance check:	EH	**Filter By:**	RJ	**Extraction End Time :**	12:50
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	SP6865
Surrogate	1.0ML	100/150 PPM	SP6869
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
MeCl2/Acetone/1:1	N/A	EP2641
Baked Na2SO4	N/A	EP2655
Sand	N/A	E3951
Methylene Chloride	N/A	E3980
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. Q3472 all samples used Limited volume as samples are Oily Debris.

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
10/28/25	RS (Ext-lab)	JH / 8V0L
12:55	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB170285

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 10/28/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170285BL	SBLK285	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1			U1-1
PB170285BS	SLCS285	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			2
Q3465-01	SU-03-10242025	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	E		3
Q3466-02	B8-0.0-1.0-20251023	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	B		4
Q3466-05	B9-0.0-1.0-20251023	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	A		5
Q3466-07	B7-1.0-2.0-20251023	SVOC-TCL BNA -20	30.07	N/A	ritesh	Evelyn	1	B		6
Q3469-01	TP-13	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	B		U2-1
Q3469-01MS	TP-13MS	SVOC-TCL BNA -20	50.08	N/A	ritesh	Evelyn	1	B		2
Q3469-01MSD	TP-13MSD	SVOC-TCL BNA -20	50.03	N/A	ritesh	Evelyn	1	B		3
Q3472-04	COMP-1	SVOC-TCL BNA -20	5.02	N/A	ritesh	Evelyn	1	C	Oily Debris	4
Q3472-06	COMP-2	SVOC-TCL BNA -20	5.06	N/A	ritesh	Evelyn	2	B	Oily Debris	5
Q3472-08	COMP-3	SVOC-TCL BNA -20	5.01	N/A	ritesh	Evelyn	2	B	Oily Debris	6
Q3472-10	COMP-4	SVOC-TCL BNA -20	5.04	N/A	ritesh	Evelyn	5	B	Oily Debris	U3-1
Q3472-12	COMP-5	SVOC-TCL BNA -20	5.08	N/A	ritesh	Evelyn	1	B	Oily Debris	2
Q3472-14	155	SVOC-TCL BNA -20	5.07	N/A	ritesh	Evelyn	1	B	Oily Debris	3

RS 10/28

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

179287
9-36

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3469 **WorkList ID :** 192725 **Department :** Extraction **Date :** 10-28-2025 08:35:43

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3465-01	SU-03-10242025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	D31	10/24/2025	8270E
Q3466-02	B8-0.0-1.0-20251023	Solid	SVOC-TCL BNA -20	Cool 4 deg C	HDRI08	D41	10/23/2025	8270E
Q3466-05	B9-0.0-1.0-20251023	Solid	SVOC-TCL BNA -20	Cool 4 deg C	HDRI08	D41	10/23/2025	8270E
Q3466-07	B7-1.0-2.0-20251023	Solid	SVOC-TCL BNA -20	Cool 4 deg C	HDRI08	D41	10/23/2025	8270E
Q3469-01	TP-13	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D41	10/25/2025	8270E
Q3472-04	COMP-1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D41	10/27/2025	8270E
Q3472-06	COMP-2	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D41	10/27/2025	8270E
Q3472-08	COMP-3	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D41	10/27/2025	8270E
Q3472-10	COMP-4	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D41	10/27/2025	8270E
Q3472-12	COMP-5	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D41	10/27/2025	8270E
Q3472-14	155	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D41	10/27/2025	8270E

Date/Time 10/28/25 9:30
Raw Sample Received by: RJ (Ext lab)
Raw Sample Relinquished by:

Date/Time 10/28/25 9:55
Raw Sample Received by:
Raw Sample Relinquished by: RJ (Ext lab)

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LAB CHRONICLE

OrderID:	Q3466	**OrderDate:**	10/24/2025 3:18:10 PM
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
Q3466-02	**B8-0.0-1.0-20251023**	**SOIL**			**10/23/25**			**10/24/25**
			SVOC-TCL BNA -20	8270E		10/28/25	10/29/25	
Q3466-05	**B9-0.0-1.0-20251023**	**SOIL**			**10/23/25**			**10/24/25**
			SVOC-TCL BNA -20	8270E		10/28/25	10/30/25	
Q3466-07	**B7-1.0-2.0-20251023**	**SOIL**			**10/23/25**			**10/24/25**
			SVOC-TCL BNA -20	8270E		10/28/25	10/30/25	

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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q3466 **Order ID:** Q3466

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

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : B8-0.0-1.0-20251023								
Q3466-02	B8-0.0-1.0-20251023	SOIL	Dieldrin	1.70	JP	0.16	2.00	ug/kg
Q3466-02	B8-0.0-1.0-20251023	SOIL	4,4-DDE	0.80	J	0.16	2.00	ug/kg
Q3466-02	B8-0.0-1.0-20251023	SOIL	Endrin	1.10	JP	0.16	2.00	ug/kg
Q3466-02	B8-0.0-1.0-20251023	SOIL	4,4-DDT	3.30	P	0.16	2.00	ug/kg
			Total Concentration:	**6.900**				
Client ID : B9-0.0-1.0-20251023								
Q3466-05	B9-0.0-1.0-20251023	SOIL	Heptachlor epoxide	0.52	J	0.23	2.00	ug/kg
Q3466-05	B9-0.0-1.0-20251023	SOIL	Dieldrin	1.00	JP	0.17	2.00	ug/kg
Q3466-05	B9-0.0-1.0-20251023	SOIL	Endrin	0.33	J	0.17	2.00	ug/kg
Q3466-05	B9-0.0-1.0-20251023	SOIL	4,4-DDT	0.59	J	0.17	2.00	ug/kg
Q3466-05	B9-0.0-1.0-20251023	SOIL	alpha-Chlordane	3.40	P	0.14	2.00	ug/kg
Q3466-05	B9-0.0-1.0-20251023	SOIL	gamma-Chlordane	1.20	J	0.18	2.00	ug/kg
			Total Concentration:	**7.040**				

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A
B
C
D
E
F
G
H
I
J
K
L

SAMPLE DATA

Raw Data: **PD090893.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:	10/23/25
Project:	PVWC Linear Construction	Date Received:	10/24/25
Client Sample ID:	B8-0.0-1.0-20251023	SDG No.:	Q3466
Lab Sample ID:	Q3466-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.3
Sample Wt/Vol:	30.06 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541 Prep Date 10/28/25		

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	10/28/25 18:46	PB170283
319-85-7	beta-BHC	0.21	U	1	0.21	2.00	ug/kg	10/28/25 18:46	PB170283
319-86-8	delta-BHC	0.46	U	1	0.46	2.00	ug/kg	10/28/25 18:46	PB170283
58-89-9	gamma-BHC (Lindane)	0.16	U	1	0.16	2.00	ug/kg	10/28/25 18:46	PB170283
76-44-8	Heptachlor	0.14	U	1	0.14	2.00	ug/kg	10/28/25 18:46	PB170283
309-00-2	Aldrin	0.14	U	1	0.14	2.00	ug/kg	10/28/25 18:46	PB170283
1024-57-3	Heptachlor epoxide	0.22	U	1	0.22	2.00	ug/kg	10/28/25 18:46	PB170283
959-98-8	Endosulfan I	0.16	U	1	0.16	2.00	ug/kg	10/28/25 18:46	PB170283
60-57-1	Dieldrin	1.70	JP	1	0.16	2.00	ug/kg	10/28/25 18:46	PB170283
72-55-9	4,4-DDE	0.80	J	1	0.16	2.00	ug/kg	10/28/25 18:46	PB170283
72-20-8	Endrin	1.10	JP	1	0.16	2.00	ug/kg	10/28/25 18:46	PB170283
33213-65-9	Endosulfan II	0.34	U	1	0.34	2.00	ug/kg	10/28/25 18:46	PB170283
72-54-8	4,4-DDD	0.18	U	1	0.18	2.00	ug/kg	10/28/25 18:46	PB170283
1031-07-8	Endosulfan Sulfate	0.15	U	1	0.15	2.00	ug/kg	10/28/25 18:46	PB170283
50-29-3	4,4-DDT	3.30	P	1	0.16	2.00	ug/kg	10/28/25 18:46	PB170283
72-43-5	Methoxychlor	0.43	U	1	0.43	2.00	ug/kg	10/28/25 18:46	PB170283
53494-70-5	Endrin ketone	0.22	U	1	0.22	2.00	ug/kg	10/28/25 18:46	PB170283
7421-93-4	Endrin aldehyde	0.43	U	1	0.43	2.00	ug/kg	10/28/25 18:46	PB170283
5103-71-9	alpha-Chlordane	0.14	U	1	0.14	2.00	ug/kg	10/28/25 18:46	PB170283
5103-74-2	gamma-Chlordane	0.18	U	1	0.18	2.00	ug/kg	10/28/25 18:46	PB170283
8001-35-2	Toxaphene	6.30	U	1	6.30	38.6	ug/kg	10/28/25 18:46	PB170283
SURROGATES									
2051-24-3	Decachlorobiphenyl	16.4			30 (20) - 150 (144)	82%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	20.5			30 (19) - 150 (148)	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: **PD090896.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:	10/23/25
Project:	PVWC Linear Construction	Date Received:	10/24/25
Client Sample ID:	B9-0.0-1.0-20251023	SDG No.:	Q3466
Lab Sample ID:	Q3466-05	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.2
Sample Wt/Vol:	30.01 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541 Prep Date 10/28/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.16	U	1	0.16	2.00	ug/kg	10/28/25 19:27	PB170283
319-85-7	beta-BHC	0.22	U	1	0.22	2.00	ug/kg	10/28/25 19:27	PB170283
319-86-8	delta-BHC	0.47	U	1	0.47	2.00	ug/kg	10/28/25 19:27	PB170283
58-89-9	gamma-BHC (Lindane)	0.17	U	1	0.17	2.00	ug/kg	10/28/25 19:27	PB170283
76-44-8	Heptachlor	0.14	U	1	0.14	2.00	ug/kg	10/28/25 19:27	PB170283
309-00-2	Aldrin	0.14	U	1	0.14	2.00	ug/kg	10/28/25 19:27	PB170283
1024-57-3	Heptachlor epoxide	0.52	J	1	0.23	2.00	ug/kg	10/28/25 19:27	PB170283
959-98-8	Endosulfan I	0.17	U	1	0.17	2.00	ug/kg	10/28/25 19:27	PB170283
60-57-1	Dieldrin	1.00	JP	1	0.17	2.00	ug/kg	10/28/25 19:27	PB170283
72-55-9	4,4-DDE	0.17	U	1	0.17	2.00	ug/kg	10/28/25 19:27	PB170283
72-20-8	Endrin	0.33	J	1	0.17	2.00	ug/kg	10/28/25 19:27	PB170283
33213-65-9	Endosulfan II	0.35	U	1	0.35	2.00	ug/kg	10/28/25 19:27	PB170283
72-54-8	4,4-DDD	0.18	U	1	0.18	2.00	ug/kg	10/28/25 19:27	PB170283
1031-07-8	Endosulfan Sulfate	0.16	U	1	0.16	2.00	ug/kg	10/28/25 19:27	PB170283
50-29-3	4,4-DDT	0.59	J	1	0.17	2.00	ug/kg	10/28/25 19:27	PB170283
72-43-5	Methoxychlor	0.44	U	1	0.44	2.00	ug/kg	10/28/25 19:27	PB170283
53494-70-5	Endrin ketone	0.23	U	1	0.23	2.00	ug/kg	10/28/25 19:27	PB170283
7421-93-4	Endrin aldehyde	0.44	U	1	0.44	2.00	ug/kg	10/28/25 19:27	PB170283
5103-71-9	alpha-Chlordane	3.40	P	1	0.14	2.00	ug/kg	10/28/25 19:27	PB170283
5103-74-2	gamma-Chlordane	1.20	J	1	0.18	2.00	ug/kg	10/28/25 19:27	PB170283
8001-35-2	Toxaphene	6.50	U	1	6.50	39.7	ug/kg	10/28/25 19:27	PB170283
SURROGATES									
2051-24-3	Decachlorobiphenyl	14.4			30 (20) - 150 (144)	72%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	18.6			30 (19) - 150 (148)	93%	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: **PD090897.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:	10/23/25
Project:	PVWC Linear Construction	Date Received:	10/24/25
Client Sample ID:	B7-1.0-2.0-20251023	SDG No.:	Q3466
Lab Sample ID:	Q3466-07	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	89.2
Sample Wt/Vol:	30.05 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541 Prep Date 10/28/25		

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	10/28/25 19:41	PB170283
319-85-7	beta-BHC	0.20	U	1	0.20	1.90	ug/kg	10/28/25 19:41	PB170283
319-86-8	delta-BHC	0.44	U	1	0.44	1.90	ug/kg	10/28/25 19:41	PB170283
58-89-9	gamma-BHC (Lindane)	0.16	U	1	0.16	1.90	ug/kg	10/28/25 19:41	PB170283
76-44-8	Heptachlor	0.13	U	1	0.13	1.90	ug/kg	10/28/25 19:41	PB170283
309-00-2	Aldrin	0.13	U	1	0.13	1.90	ug/kg	10/28/25 19:41	PB170283
1024-57-3	Heptachlor epoxide	0.21	U	1	0.21	1.90	ug/kg	10/28/25 19:41	PB170283
959-98-8	Endosulfan I	0.16	U	1	0.16	1.90	ug/kg	10/28/25 19:41	PB170283
60-57-1	Dieldrin	0.16	U	1	0.16	1.90	ug/kg	10/28/25 19:41	PB170283
72-55-9	4,4-DDE	0.16	U	1	0.16	1.90	ug/kg	10/28/25 19:41	PB170283
72-20-8	Endrin	0.16	U	1	0.16	1.90	ug/kg	10/28/25 19:41	PB170283
33213-65-9	Endosulfan II	0.32	U	1	0.32	1.90	ug/kg	10/28/25 19:41	PB170283
72-54-8	4,4-DDD	0.17	U	1	0.17	1.90	ug/kg	10/28/25 19:41	PB170283
1031-07-8	Endosulfan Sulfate	0.15	U	1	0.15	1.90	ug/kg	10/28/25 19:41	PB170283
50-29-3	4,4-DDT	0.16	U	1	0.16	1.90	ug/kg	10/28/25 19:41	PB170283
72-43-5	Methoxychlor	0.41	U	1	0.41	1.90	ug/kg	10/28/25 19:41	PB170283
53494-70-5	Endrin ketone	0.21	U	1	0.21	1.90	ug/kg	10/28/25 19:41	PB170283
7421-93-4	Endrin aldehyde	0.41	U	1	0.41	1.90	ug/kg	10/28/25 19:41	PB170283
5103-71-9	alpha-Chlordane	0.13	U	1	0.13	1.90	ug/kg	10/28/25 19:41	PB170283
5103-74-2	gamma-Chlordane	0.17	U	1	0.17	1.90	ug/kg	10/28/25 19:41	PB170283
8001-35-2	Toxaphene	6.10	U	1	6.10	36.9	ug/kg	10/28/25 19:41	PB170283
SURROGATES									
2051-24-3	Decachlorobiphenyl	11.7			30 (20) - 150 (144)	59%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	13.8			30 (19) - 150 (148)	69%	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.: Q3466

Client: HDR, Inc.

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PD090647.D	PIBLK-PD090647.D	Decachlorobiphen	1	20	21.3	106		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	19.4	97		30 (61)	150 (148)
		Decachlorobiphen	2	20	20.3	102		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	20.0	100		30 (61)	150 (148)
I.BLK-PD090879.D	PIBLK-PD090879.D	Decachlorobiphen	1	20	23.1	115		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	21.6	108		30 (61)	150 (148)
		Decachlorobiphen	2	20	24.9	125		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	21.8	109		30 (61)	150 (148)
PB170283BL	PB170283BL	Decachlorobiphen	1	20	20.5	103		30 (20)	150 (144)
		Tetrachloro-m-xyl	1	20	19.2	96		30 (19)	150 (148)
		Decachlorobiphen	2	20	22.2	111		30 (20)	150 (144)
		Tetrachloro-m-xyl	2	20	19.2	96		30 (19)	150 (148)
PB170283BS	PB170283BS	Decachlorobiphen	1	20	19.5	98		30 (20)	150 (144)
		Tetrachloro-m-xyl	1	20	14.8	74		30 (19)	150 (148)
		Decachlorobiphen	2	20	21.8	109		30 (20)	150 (144)
		Tetrachloro-m-xyl	2	20	14.9	75		30 (19)	150 (148)
I.BLK-PD090891.D	PIBLK-PD090891.D	Decachlorobiphen	1	20	22.8	114		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	21.5	108		30 (61)	150 (148)
		Decachlorobiphen	2	20	23.0	115		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	21.6	108		30 (61)	150 (148)
Q3466-02	B8-0.0-1.0-20251023	Decachlorobiphen	1	20	15.8	79		30 (20)	150 (144)
		Tetrachloro-m-xyl	1	20	19.8	99		30 (19)	150 (148)
		Decachlorobiphen	2	20	16.4	82		30 (20)	150 (144)
		Tetrachloro-m-xyl	2	20	20.5	102		30 (19)	150 (148)
Q3466-02MS	B8-0.0-1.0-20251023MS	Decachlorobiphen	1	20	15.1	75		30 (20)	150 (144)
		Tetrachloro-m-xyl	1	20	18.1	90		30 (19)	150 (148)
		Decachlorobiphen	2	20	15.1	75		30 (20)	150 (144)
		Tetrachloro-m-xyl	2	20	19.1	96		30 (19)	150 (148)
Q3466-02MSD	B8-0.0-1.0-20251023MSD	Decachlorobiphen	1	20	14.8	74		30 (20)	150 (144)
		Tetrachloro-m-xyl	1	20	19.3	96		30 (19)	150 (148)
		Decachlorobiphen	2	20	15.2	76		30 (20)	150 (144)
		Tetrachloro-m-xyl	2	20	20.3	102		30 (19)	150 (148)
Q3466-05	B9-0.0-1.0-20251023	Decachlorobiphen	1	20	12.8	64		30 (20)	150 (144)
		Tetrachloro-m-xyl	1	20	18.6	93		30 (19)	150 (148)
		Decachlorobiphen	2	20	14.4	72		30 (20)	150 (144)
		Tetrachloro-m-xyl	2	20	18.6	93		30 (19)	150 (148)
Q3466-07	B7-1.0-2.0-20251023	Decachlorobiphen	1	20	11.7	59		30 (20)	150 (144)
		Tetrachloro-m-xyl	1	20	13.4	67		30 (19)	150 (148)
		Decachlorobiphen	2	20	9.81	49		30 (20)	150 (144)
		Tetrachloro-m-xyl	2	20	13.8	69		30 (19)	150 (148)
I.BLK-PD090900.D	PIBLK-PD090900.D	Decachlorobiphen	1	20	18.7	94		30 (57)	150 (171)

( ) = LABORATORY INHOUSE LIMIT

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

Surrogate Summary

SDG No.: Q3466

Client: HDR, Inc.

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PD090900.D	PIBLK-PD090900.D	Tetrachloro-m-xyl	1	20	19.4	97		30 (61)	150 (148)
		Decachlorobiphen	2	20	17.5	87		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	21.3	107		30 (61)	150 (148)

( ) = 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.: Q3466 **Analytical Method:** 8081B

Client: HDR, Inc. **DataFile :** PD090894.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID:	**Q3466-02MS (Column 1)**	**Client Sample ID:**		**B8-0.0-1.0-20251023MS**								
	alpha-BHC	19.53	0	19.4	ug/kg	99				30 (60)	150 (144)	
	beta-BHC	19.53	0	17.3	ug/kg	89				30 (54)	150 (143)	
	delta-BHC	19.53	0	19.5	ug/kg	100				30 (29)	150 (151)	
	gamma-BHC (Lindane)	19.53	0	18.8	ug/kg	96				30 (61)	150 (140)	
	Heptachlor	19.53	0	22.7	ug/kg	116				30 (63)	150 (135)	
	Aldrin	19.53	0	19.0	ug/kg	97				30 (49)	150 (139)	
	Heptachlor epoxide	19.53	0	19.2	ug/kg	98				30 (41)	150 (156)	
	Endosulfan I	19.53	0	19.0	ug/kg	97				30 (56)	150 (142)	
	Dieldrin	19.53	0.45	18.9	ug/kg	94				30 (47)	150 (161)	
	4,4'-DDE	19.53	0.80	18.3	ug/kg	90				30 (55)	150 (136)	
	Endrin	19.53	1.1	19.2	ug/kg	93				30 (57)	150 (139)	
	Endosulfan II	19.53	0	18.4	ug/kg	94				30 (40)	150 (163)	
	4,4'-DDD	19.53	0	20.7	ug/kg	106				30 (47)	150 (163)	
	Endosulfan sulfate	19.53	0	18.3	ug/kg	94				30 (62)	150 (139)	
	4,4'-DDT	19.53	1.1	21.2	ug/kg	103				30 (51)	150 (146)	
	Methoxychlor	19.53	0	18.9	ug/kg	97				30 (54)	150 (136)	
	Endrin ketone	19.53	0	19.4	ug/kg	99				30 (60)	150 (129)	
	Endrin aldehyde	19.53	0	19.0	ug/kg	97				30 (59)	150 (132)	
	alpha-Chlordane	19.53	0	18.4	ug/kg	94				30 (39)	150 (166)	
	gamma-Chlordane	19.53	0	18.4	ug/kg	94				30 (44)	150 (175)	
Lab Sample ID:	**Q3466-02MS (Column 2)**	**Client Sample ID:**		**B8-0.0-1.0-20251023MS**								
	alpha-BHC	19.53	0	18.4	ug/kg	94				30 (60)	150 (144)	
	beta-BHC	19.53	0	18.9	ug/kg	97				30 (54)	150 (143)	
	delta-BHC	19.53	0	18.1	ug/kg	93				30 (29)	150 (151)	
	gamma-BHC (Lindane)	19.53	0	17.9	ug/kg	92				30 (61)	150 (140)	
	Heptachlor	19.53	0	19.1	ug/kg	98				30 (63)	150 (135)	
	Aldrin	19.53	0	17.8	ug/kg	91				30 (49)	150 (139)	
	Heptachlor epoxide	19.53	0	17.9	ug/kg	92				30 (41)	150 (156)	
	Endosulfan I	19.53	0	16.6	ug/kg	85				30 (56)	150 (142)	
	Dieldrin	19.53	1.7	19.6	ug/kg	92				30 (47)	150 (161)	
	4,4'-DDE	19.53	0.64	18.4	ug/kg	91				30 (55)	150 (136)	
	Endrin	19.53	0.34	18.1	ug/kg	91				30 (57)	150 (139)	
	Endosulfan II	19.53	0	19.9	ug/kg	102				30 (40)	150 (163)	
	4,4'-DDD	19.53	0	17.3	ug/kg	89				30 (47)	150 (163)	
	Endosulfan sulfate	19.53	0	18.6	ug/kg	95				30 (62)	150 (139)	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3466 **Analytical Method:** 8081B

Client: HDR, Inc. **DataFile :** PD090894.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
4,4'-DDT	19.53	3.3	20.9	ug/kg	90				30 (51)	150 (146)	
Methoxychlor	19.53	0	17.2	ug/kg	88				30 (54)	150 (136)	
Endrin ketone	19.53	0	17.4	ug/kg	89				30 (60)	150 (129)	
Endrin aldehyde	19.53	0	18.7	ug/kg	96				30 (59)	150 (132)	
alpha-Chlordane	19.53	0	18.6	ug/kg	95				30 (39)	150 (166)	
gamma-Chlordane	19.53	0	19.3	ug/kg	99				30 (44)	150 (175)	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3466 **Analytical Method:** 8081B

Client: HDR, Inc. **DataFile :** PD090895.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID:	**Q3466-02MSD (Column 1)**	**Client Sample ID:**		**B8-0.0-1.0-20251023MSD**								
	alpha-BHC	19.49	0	20.7	ug/kg	106		7		30 (60)	150 (144)	30 (20)
	beta-BHC	19.49	0	18.2	ug/kg	93		4		30 (54)	150 (143)	30 (20)
	delta-BHC	19.49	0	20.7	ug/kg	106		6		30 (29)	150 (151)	30 (20)
	gamma-BHC (Lindane)	19.49	0	20.4	ug/kg	105		9		30 (61)	150 (140)	30 (20)
	Heptachlor	19.49	0	24.2	ug/kg	124		7		30 (63)	150 (135)	30 (20)
	Aldrin	19.49	0	20.2	ug/kg	104		7		30 (49)	150 (139)	30 (20)
	Heptachlor epoxide	19.49	0	20.5	ug/kg	105		7		30 (41)	150 (156)	30 (20)
	Endosulfan I	19.49	0	20.2	ug/kg	104		7		30 (56)	150 (142)	30 (20)
	Dieldrin	19.49	0.45	19.9	ug/kg	100		6		30 (47)	150 (161)	30 (20)
	4,4'-DDE	19.49	0.80	19.3	ug/kg	95		5		30 (55)	150 (136)	30 (20)
	Endrin	19.49	1.1	20.3	ug/kg	99		6		30 (57)	150 (139)	30 (20)
	Endosulfan II	19.49	0	19.4	ug/kg	100		6		30 (40)	150 (163)	30 (20)
	4,4'-DDD	19.49	0	21.8	ug/kg	112		6		30 (47)	150 (163)	30 (20)
	Endosulfan sulfate	19.49	0	19.1	ug/kg	98		4		30 (62)	150 (139)	30 (20)
	4,4'-DDT	19.49	1.1	22.6	ug/kg	110		7		30 (51)	150 (146)	30 (20)
	Methoxychlor	19.49	0	19.8	ug/kg	102		5		30 (54)	150 (136)	30 (20)
	Endrin ketone	19.49	0	20.5	ug/kg	105		6		30 (60)	150 (129)	30 (20)
	Endrin aldehyde	19.49	0	20.0	ug/kg	103		6		30 (59)	150 (132)	30 (20)
	alpha-Chlordane	19.49	0	19.8	ug/kg	102		8		30 (39)	150 (166)	30 (20)
	gamma-Chlordane	19.49	0	19.5	ug/kg	100		6		30 (44)	150 (175)	30 (20)
Lab Sample ID:	**Q3466-02MSD (Column 2)**	**Client Sample ID:**		**B8-0.0-1.0-20251023MSD**								
	alpha-BHC	19.49	0	19.6	ug/kg	101		7		30 (60)	150 (144)	30 (20)
	beta-BHC	19.49	0	20.2	ug/kg	104		7		30 (54)	150 (143)	30 (20)
	delta-BHC	19.49	0	19.2	ug/kg	99		6		30 (29)	150 (151)	30 (20)
	gamma-BHC (Lindane)	19.49	0	19.0	ug/kg	97		5		30 (61)	150 (140)	30 (20)
	Heptachlor	19.49	0	20.3	ug/kg	104		6		30 (63)	150 (135)	30 (20)
	Aldrin	19.49	0	18.8	ug/kg	96		5		30 (49)	150 (139)	30 (20)
	Heptachlor epoxide	19.49	0	18.9	ug/kg	97		5		30 (41)	150 (156)	30 (20)
	Endosulfan I	19.49	0	17.5	ug/kg	90		6		30 (56)	150 (142)	30 (20)
	Dieldrin	19.49	1.7	20.6	ug/kg	97		5		30 (47)	150 (161)	30 (20)
	4,4'-DDE	19.49	0.64	19.4	ug/kg	96		5		30 (55)	150 (136)	30 (20)
	Endrin	19.49	0.34	18.9	ug/kg	95		4		30 (57)	150 (139)	30 (20)
	Endosulfan II	19.49	0	20.7	ug/kg	106		4		30 (40)	150 (163)	30 (20)
	4,4'-DDD	19.49	0	17.9	ug/kg	92		3		30 (47)	150 (163)	30 (20)
	Endosulfan sulfate	19.49	0	19.2	ug/kg	99		4		30 (62)	150 (139)	30 (20)

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3466 **Analytical Method:** 8081B

Client: HDR, Inc. **DataFile :** PD090895.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
4,4'-DDT	19.49	3.3	21.7	ug/kg	94		4		30 (51)	150 (146)	30 (20)
Methoxychlor	19.49	0	18.0	ug/kg	92		4		30 (54)	150 (136)	30 (20)
Endrin ketone	19.49	0	17.9	ug/kg	92		3		30 (60)	150 (129)	30 (20)
Endrin aldehyde	19.49	0	19.7	ug/kg	101		5		30 (59)	150 (132)	30 (20)
alpha-Chlordane	19.49	0	19.6	ug/kg	101		6		30 (39)	150 (166)	30 (20)
gamma-Chlordane	19.49	0	20.4	ug/kg	105		6		30 (44)	150 (175)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3466 **Analytical Method:** 8081B

Client: HDR, Inc. **Datafile :** PD090885.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170283BS (Column 1)	alpha-BHC	16.66	15.8	ug/kg	95				40 (84)	140 (123)	
	beta-BHC	16.66	15.4	ug/kg	92				40 (82)	140 (123)	
	delta-BHC	16.66	16.0	ug/kg	96				40 (83)	140 (126)	
	gamma-BHC (Lindane)	16.66	15.7	ug/kg	94				40 (83)	140 (125)	
	Heptachlor	16.66	18.6	ug/kg	112				40 (83)	140 (122)	
	Aldrin	16.66	15.9	ug/kg	95				40 (82)	140 (124)	
	Heptachlor epoxide	16.66	16.1	ug/kg	97				40 (83)	140 (120)	
	Endosulfan I	16.66	16.0	ug/kg	96				40 (81)	140 (124)	
	Dieldrin	16.66	16.3	ug/kg	98				40 (85)	140 (121)	
	4,4'-DDE	16.66	15.8	ug/kg	95				40 (81)	140 (123)	
	Endrin	16.66	15.5	ug/kg	93				40 (76)	140 (130)	
	Endosulfan II	16.66	15.9	ug/kg	95				40 (80)	140 (125)	
	4,4'-DDD	16.66	17.3	ug/kg	104				40 (80)	140 (131)	
	Endosulfan sulfate	16.66	16.0	ug/kg	96				40 (81)	140 (122)	
	4,4'-DDT	16.66	15.7	ug/kg	94				40 (70)	140 (129)	
	Methoxychlor	16.66	15.9	ug/kg	95				40 (60)	140 (119)	
	Endrin ketone	16.66	16.8	ug/kg	101				40 (77)	140 (132)	
	Endrin aldehyde	16.66	16.4	ug/kg	98				40 (79)	140 (124)	
	alpha-Chlordane	16.66	16.1	ug/kg	97				40 (84)	140 (120)	
	gamma-Chlordane	16.66	15.9	ug/kg	95				40 (83)	140 (122)	
PB170283BS (Column 2)	alpha-BHC	16.66	15.0	ug/kg	90				40 (84)	140 (123)	
	beta-BHC	16.66	14.9	ug/kg	89				40 (82)	140 (123)	
	delta-BHC	16.66	15.1	ug/kg	91				40 (83)	140 (126)	
	gamma-BHC (Lindane)	16.66	15.0	ug/kg	90				40 (83)	140 (125)	
	Heptachlor	16.66	15.4	ug/kg	92				40 (83)	140 (122)	
	Aldrin	16.66	15.0	ug/kg	90				40 (82)	140 (124)	
	Heptachlor epoxide	16.66	15.0	ug/kg	90				40 (83)	140 (120)	
	Endosulfan I	16.66	15.1	ug/kg	91				40 (81)	140 (124)	
	Dieldrin	16.66	15.5	ug/kg	93				40 (85)	140 (121)	
	4,4'-DDE	16.66	15.4	ug/kg	92				40 (81)	140 (123)	
	Endrin	16.66	15.2	ug/kg	91				40 (76)	140 (130)	
	Endosulfan II	16.66	15.7	ug/kg	94				40 (80)	140 (125)	
	4,4'-DDD	16.66	16.5	ug/kg	99				40 (80)	140 (131)	
	Endosulfan sulfate	16.66	16.1	ug/kg	97				40 (81)	140 (122)	
	4,4'-DDT	16.66	15.4	ug/kg	92				40 (70)	140 (129)	
	Methoxychlor	16.66	15.7	ug/kg	94				40 (60)	140 (119)	
	Endrin ketone	16.66	17.0	ug/kg	102				40 (77)	140 (132)	
	Endrin aldehyde	16.66	16.1	ug/kg	97				40 (79)	140 (124)	
	alpha-Chlordane	16.66	15.3	ug/kg	92				40 (84)	140 (120)	
	gamma-Chlordane	16.66	15.3	ug/kg	92				40 (83)	140 (122)	

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4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB170283BL

Lab Name: Alliance | Contract: HDRI08

Lab Code: ACE | SDG NO.: Q3466

Lab Sample ID: PB170283BL | Lab File ID: PD090881.D

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

Sulfur Cleanup: (Y/N) N | Date Extracted: 10/28/2025

Date Analyzed (1): 10/28/2025 | Date Analyzed (2): 10/28/2025

Time Analyzed (1): 14:35 | Time Analyzed (2): 14:35

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
PB170283BS	PB170283BS	PD090885.D	10/28/2025	10/28/2025
B8-0.0-1.0-20251023	Q3466-02	PD090893.D	10/28/2025	10/28/2025
B8-0.0-1.0-20251023MS	Q3466-02MS	PD090894.D	10/28/2025	10/28/2025
B8-0.0-1.0-20251023MSD	Q3466-02MSD	PD090895.D	10/28/2025	10/28/2025
B9-0.0-1.0-20251023	Q3466-05	PD090896.D	10/28/2025	10/28/2025
B7-1.0-2.0-20251023	Q3466-07	PD090897.D	10/28/2025	10/28/2025

COMMENTS:

QC SAMPLE DATA

Raw Data: **PD090881.D**

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	
Project:	PVWC Linear Construction	Date Received:	
Client Sample ID:	PB170283BL	SDG No.:	Q3466
Lab Sample ID:	PB170283BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol: 10000 uL	Test: Pesticide-TCL
Prep Method:	SW3541	Prep Date 10/28/25	

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	10/28/25 14:35	PB170283
319-85-7	beta-BHC	0.18	U	1	0.18	1.70	ug/kg	10/28/25 14:35	PB170283
319-86-8	delta-BHC	0.39	U	1	0.39	1.70	ug/kg	10/28/25 14:35	PB170283
58-89-9	gamma-BHC (Lindane)	0.14	U	1	0.14	1.70	ug/kg	10/28/25 14:35	PB170283
76-44-8	Heptachlor	0.12	U	1	0.12	1.70	ug/kg	10/28/25 14:35	PB170283
309-00-2	Aldrin	0.12	U	1	0.12	1.70	ug/kg	10/28/25 14:35	PB170283
1024-57-3	Heptachlor epoxide	0.19	U	1	0.19	1.70	ug/kg	10/28/25 14:35	PB170283
959-98-8	Endosulfan I	0.14	U	1	0.14	1.70	ug/kg	10/28/25 14:35	PB170283
60-57-1	Dieldrin	0.14	U	1	0.14	1.70	ug/kg	10/28/25 14:35	PB170283
72-55-9	4,4-DDE	0.14	U	1	0.14	1.70	ug/kg	10/28/25 14:35	PB170283
72-20-8	Endrin	0.14	U	1	0.14	1.70	ug/kg	10/28/25 14:35	PB170283
33213-65-9	Endosulfan II	0.29	U	1	0.29	1.70	ug/kg	10/28/25 14:35	PB170283
72-54-8	4,4-DDD	0.15	U	1	0.15	1.70	ug/kg	10/28/25 14:35	PB170283
1031-07-8	Endosulfan Sulfate	0.13	U	1	0.13	1.70	ug/kg	10/28/25 14:35	PB170283
50-29-3	4,4-DDT	0.14	U	1	0.14	1.70	ug/kg	10/28/25 14:35	PB170283
72-43-5	Methoxychlor	0.37	U	1	0.37	1.70	ug/kg	10/28/25 14:35	PB170283
53494-70-5	Endrin ketone	0.19	U	1	0.19	1.70	ug/kg	10/28/25 14:35	PB170283
7421-93-4	Endrin aldehyde	0.37	U	1	0.37	1.70	ug/kg	10/28/25 14:35	PB170283
5103-71-9	alpha-Chlordane	0.12	U	1	0.12	1.70	ug/kg	10/28/25 14:35	PB170283
5103-74-2	gamma-Chlordane	0.15	U	1	0.15	1.70	ug/kg	10/28/25 14:35	PB170283
8001-35-2	Toxaphene	5.40	U	1	5.40	33.0	ug/kg	10/28/25 14:35	PB170283
SURROGATES									
2051-24-3	Decachlorobiphenyl	22.2			30 (20) - 150 (144)	111%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	19.2			30 (19) - 150 (148)	96%	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:	10/17/25
Project:	PVWC Linear Construction	Date Received:	10/17/25
Client Sample ID:	PIBLK-PD090647.D	SDG No.:	Q3466
Lab Sample ID:	I.BLK-PD090647.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	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	10/17/25	pd101725
319-85-7	beta-BHC	0.0049	U	1	0.0049	0.050	ug/L	10/17/25	pd101725
319-86-8	delta-BHC	0.011	U	1	0.011	0.050	ug/L	10/17/25	pd101725
58-89-9	gamma-BHC (Lindane)	0.0037	U	1	0.0037	0.050	ug/L	10/17/25	pd101725
76-44-8	Heptachlor	0.0027	U	1	0.0027	0.050	ug/L	10/17/25	pd101725
309-00-2	Aldrin	0.0036	U	1	0.0036	0.050	ug/L	10/17/25	pd101725
1024-57-3	Heptachlor epoxide	0.0096	U	1	0.0096	0.050	ug/L	10/17/25	pd101725
959-98-8	Endosulfan I	0.0031	U	1	0.0031	0.050	ug/L	10/17/25	pd101725
60-57-1	Dieldrin	0.0036	U	1	0.0036	0.050	ug/L	10/17/25	pd101725
72-55-9	4,4-DDE	0.0037	U	1	0.0037	0.050	ug/L	10/17/25	pd101725
72-20-8	Endrin	0.0032	U	1	0.0032	0.050	ug/L	10/17/25	pd101725
33213-65-9	Endosulfan II	0.0079	U	1	0.0079	0.050	ug/L	10/17/25	pd101725
72-54-8	4,4-DDD	0.0071	U	1	0.0071	0.050	ug/L	10/17/25	pd101725
1031-07-8	Endosulfan Sulfate	0.0037	U	1	0.0037	0.050	ug/L	10/17/25	pd101725
50-29-3	4,4-DDT	0.0035	U	1	0.0035	0.050	ug/L	10/17/25	pd101725
72-43-5	Methoxychlor	0.011	U	1	0.011	0.050	ug/L	10/17/25	pd101725
53494-70-5	Endrin ketone	0.0093	U	1	0.0093	0.050	ug/L	10/17/25	pd101725
7421-93-4	Endrin aldehyde	0.011	U	1	0.011	0.050	ug/L	10/17/25	pd101725
5103-71-9	alpha-Chlordane	0.0035	U	1	0.0035	0.050	ug/L	10/17/25	pd101725
5103-74-2	gamma-Chlordane	0.0039	U	1	0.0039	0.050	ug/L	10/17/25	pd101725
8001-35-2	Toxaphene	0.17	U	1	0.17	1.00	ug/L	10/17/25	pd101725
SURROGATES									
2051-24-3	Decachlorobiphenyl	21.3			30 (57) - 150 (171)	106%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	20.0			30 (61) - 150 (148)	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:	10/28/25
Project:	PVWC Linear Construction	Date Received:	10/28/25
Client Sample ID:	PIBLK-PD090879.D	SDG No.:	Q3466
Lab Sample ID:	I.BLK-PD090879.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	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	10/28/25	pd102825
319-85-7	beta-BHC	0.0049	U	1	0.0049	0.050	ug/L	10/28/25	pd102825
319-86-8	delta-BHC	0.011	U	1	0.011	0.050	ug/L	10/28/25	pd102825
58-89-9	gamma-BHC (Lindane)	0.0037	U	1	0.0037	0.050	ug/L	10/28/25	pd102825
76-44-8	Heptachlor	0.0027	U	1	0.0027	0.050	ug/L	10/28/25	pd102825
309-00-2	Aldrin	0.0036	U	1	0.0036	0.050	ug/L	10/28/25	pd102825
1024-57-3	Heptachlor epoxide	0.0096	U	1	0.0096	0.050	ug/L	10/28/25	pd102825
959-98-8	Endosulfan I	0.0031	U	1	0.0031	0.050	ug/L	10/28/25	pd102825
60-57-1	Dieldrin	0.0036	U	1	0.0036	0.050	ug/L	10/28/25	pd102825
72-55-9	4,4-DDE	0.0037	U	1	0.0037	0.050	ug/L	10/28/25	pd102825
72-20-8	Endrin	0.0032	U	1	0.0032	0.050	ug/L	10/28/25	pd102825
33213-65-9	Endosulfan II	0.0079	U	1	0.0079	0.050	ug/L	10/28/25	pd102825
72-54-8	4,4-DDD	0.0071	U	1	0.0071	0.050	ug/L	10/28/25	pd102825
1031-07-8	Endosulfan Sulfate	0.0037	U	1	0.0037	0.050	ug/L	10/28/25	pd102825
50-29-3	4,4-DDT	0.0035	U	1	0.0035	0.050	ug/L	10/28/25	pd102825
72-43-5	Methoxychlor	0.011	U	1	0.011	0.050	ug/L	10/28/25	pd102825
53494-70-5	Endrin ketone	0.0093	U	1	0.0093	0.050	ug/L	10/28/25	pd102825
7421-93-4	Endrin aldehyde	0.011	U	1	0.011	0.050	ug/L	10/28/25	pd102825
5103-71-9	alpha-Chlordane	0.0035	U	1	0.0035	0.050	ug/L	10/28/25	pd102825
5103-74-2	gamma-Chlordane	0.0039	U	1	0.0039	0.050	ug/L	10/28/25	pd102825
8001-35-2	Toxaphene	0.17	U	1	0.17	1.00	ug/L	10/28/25	pd102825
SURROGATES									
2051-24-3	Decachlorobiphenyl	24.9			30 (57) - 150 (171)	125%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	21.8			30 (61) - 150 (148)	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

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:	10/28/25
Project:	PVWC Linear Construction	Date Received:	10/28/25
Client Sample ID:	PIBLK-PD090891.D	SDG No.:	Q3466
Lab Sample ID:	I.BLK-PD090891.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	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	10/28/25	pd102825
319-85-7	beta-BHC	0.0049	U	1	0.0049	0.050	ug/L	10/28/25	pd102825
319-86-8	delta-BHC	0.011	U	1	0.011	0.050	ug/L	10/28/25	pd102825
58-89-9	gamma-BHC (Lindane)	0.0037	U	1	0.0037	0.050	ug/L	10/28/25	pd102825
76-44-8	Heptachlor	0.0027	U	1	0.0027	0.050	ug/L	10/28/25	pd102825
309-00-2	Aldrin	0.0036	U	1	0.0036	0.050	ug/L	10/28/25	pd102825
1024-57-3	Heptachlor epoxide	0.0096	U	1	0.0096	0.050	ug/L	10/28/25	pd102825
959-98-8	Endosulfan I	0.0031	U	1	0.0031	0.050	ug/L	10/28/25	pd102825
60-57-1	Dieldrin	0.0036	U	1	0.0036	0.050	ug/L	10/28/25	pd102825
72-55-9	4,4-DDE	0.0037	U	1	0.0037	0.050	ug/L	10/28/25	pd102825
72-20-8	Endrin	0.0032	U	1	0.0032	0.050	ug/L	10/28/25	pd102825
33213-65-9	Endosulfan II	0.0079	U	1	0.0079	0.050	ug/L	10/28/25	pd102825
72-54-8	4,4-DDD	0.0071	U	1	0.0071	0.050	ug/L	10/28/25	pd102825
1031-07-8	Endosulfan Sulfate	0.0037	U	1	0.0037	0.050	ug/L	10/28/25	pd102825
50-29-3	4,4-DDT	0.0035	U	1	0.0035	0.050	ug/L	10/28/25	pd102825
72-43-5	Methoxychlor	0.011	U	1	0.011	0.050	ug/L	10/28/25	pd102825
53494-70-5	Endrin ketone	0.0093	U	1	0.0093	0.050	ug/L	10/28/25	pd102825
7421-93-4	Endrin aldehyde	0.011	U	1	0.011	0.050	ug/L	10/28/25	pd102825
5103-71-9	alpha-Chlordane	0.0035	U	1	0.0035	0.050	ug/L	10/28/25	pd102825
5103-74-2	gamma-Chlordane	0.0039	U	1	0.0039	0.050	ug/L	10/28/25	pd102825
8001-35-2	Toxaphene	0.17	U	1	0.17	1.00	ug/L	10/28/25	pd102825
SURROGATES									
2051-24-3	Decachlorobiphenyl	23.0			30 (57) - 150 (171)	115%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	21.6			30 (61) - 150 (148)	108%	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:	10/28/25
Project:	PVWC Linear Construction	Date Received:	10/28/25
Client Sample ID:	PIBLK-PD090900.D	SDG No.:	Q3466
Lab Sample ID:	I.BLK-PD090900.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	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	10/28/25	pd102825
319-85-7	beta-BHC	0.0049	U	1	0.0049	0.050	ug/L	10/28/25	pd102825
319-86-8	delta-BHC	0.011	U	1	0.011	0.050	ug/L	10/28/25	pd102825
58-89-9	gamma-BHC (Lindane)	0.0037	U	1	0.0037	0.050	ug/L	10/28/25	pd102825
76-44-8	Heptachlor	0.0027	U	1	0.0027	0.050	ug/L	10/28/25	pd102825
309-00-2	Aldrin	0.0036	U	1	0.0036	0.050	ug/L	10/28/25	pd102825
1024-57-3	Heptachlor epoxide	0.0096	U	1	0.0096	0.050	ug/L	10/28/25	pd102825
959-98-8	Endosulfan I	0.0031	U	1	0.0031	0.050	ug/L	10/28/25	pd102825
60-57-1	Dieldrin	0.0036	U	1	0.0036	0.050	ug/L	10/28/25	pd102825
72-55-9	4,4-DDE	0.0037	U	1	0.0037	0.050	ug/L	10/28/25	pd102825
72-20-8	Endrin	0.0032	U	1	0.0032	0.050	ug/L	10/28/25	pd102825
33213-65-9	Endosulfan II	0.0079	U	1	0.0079	0.050	ug/L	10/28/25	pd102825
72-54-8	4,4-DDD	0.0071	U	1	0.0071	0.050	ug/L	10/28/25	pd102825
1031-07-8	Endosulfan Sulfate	0.0037	U	1	0.0037	0.050	ug/L	10/28/25	pd102825
50-29-3	4,4-DDT	0.0035	U	1	0.0035	0.050	ug/L	10/28/25	pd102825
72-43-5	Methoxychlor	0.011	U	1	0.011	0.050	ug/L	10/28/25	pd102825
53494-70-5	Endrin ketone	0.0093	U	1	0.0093	0.050	ug/L	10/28/25	pd102825
7421-93-4	Endrin aldehyde	0.011	U	1	0.011	0.050	ug/L	10/28/25	pd102825
5103-71-9	alpha-Chlordane	0.0035	U	1	0.0035	0.050	ug/L	10/28/25	pd102825
5103-74-2	gamma-Chlordane	0.0039	U	1	0.0039	0.050	ug/L	10/28/25	pd102825
8001-35-2	Toxaphene	0.17	U	1	0.17	1.00	ug/L	10/28/25	pd102825
SURROGATES									
2051-24-3	Decachlorobiphenyl	18.7			30 (57) - 150 (171)	94%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	21.3			30 (61) - 150 (148)	107%	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: **PD090885.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:	PB170283BS	SDG No.:	Q3466
Lab Sample ID:	PB170283BS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol: 10000 uL	Test: Pesticide-TCL
Prep Method:	SW3541	Prep Date 10/28/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	15.8		1	0.13	1.70	ug/kg	10/28/25 16:16	PB170283
319-85-7	beta-BHC	15.4		1	0.18	1.70	ug/kg	10/28/25 16:16	PB170283
319-86-8	delta-BHC	16.0		1	0.39	1.70	ug/kg	10/28/25 16:16	PB170283
58-89-9	gamma-BHC (Lindane)	15.7		1	0.14	1.70	ug/kg	10/28/25 16:16	PB170283
76-44-8	Heptachlor	18.6		1	0.12	1.70	ug/kg	10/28/25 16:16	PB170283
309-00-2	Aldrin	15.9		1	0.12	1.70	ug/kg	10/28/25 16:16	PB170283
1024-57-3	Heptachlor epoxide	16.1		1	0.19	1.70	ug/kg	10/28/25 16:16	PB170283
959-98-8	Endosulfan I	16.0		1	0.14	1.70	ug/kg	10/28/25 16:16	PB170283
60-57-1	Dieldrin	16.3		1	0.14	1.70	ug/kg	10/28/25 16:16	PB170283
72-55-9	4,4-DDE	15.8		1	0.14	1.70	ug/kg	10/28/25 16:16	PB170283
72-20-8	Endrin	15.5		1	0.14	1.70	ug/kg	10/28/25 16:16	PB170283
33213-65-9	Endosulfan II	15.9		1	0.29	1.70	ug/kg	10/28/25 16:16	PB170283
72-54-8	4,4-DDD	17.3		1	0.15	1.70	ug/kg	10/28/25 16:16	PB170283
1031-07-8	Endosulfan Sulfate	16.1		1	0.13	1.70	ug/kg	10/28/25 16:16	PB170283
50-29-3	4,4-DDT	15.7		1	0.14	1.70	ug/kg	10/28/25 16:16	PB170283
72-43-5	Methoxychlor	15.9		1	0.37	1.70	ug/kg	10/28/25 16:16	PB170283
53494-70-5	Endrin ketone	17.0		1	0.19	1.70	ug/kg	10/28/25 16:16	PB170283
7421-93-4	Endrin aldehyde	16.4		1	0.37	1.70	ug/kg	10/28/25 16:16	PB170283
5103-71-9	alpha-Chlordane	16.1		1	0.12	1.70	ug/kg	10/28/25 16:16	PB170283
5103-74-2	gamma-Chlordane	15.9		1	0.15	1.70	ug/kg	10/28/25 16:16	PB170283
8001-35-2	Toxaphene	5.40	U	1	5.40	33.0	ug/kg	10/28/25 16:16	PB170283
SURROGATES									
2051-24-3	Decachlorobiphenyl	21.8			30 (20) - 150 (144)	109%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	14.9			30 (19) - 150 (148)	75%	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: **PD090894.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:	10/23/25
Project:	PVWC Linear Construction	Date Received:	10/24/25
Client Sample ID:	B8-0.0-1.0-20251023MS	SDG No.:	Q3466
Lab Sample ID:	Q3466-02MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.3
Sample Wt/Vol:	30.02 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541 Prep Date 10/28/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	19.4		1	0.15	2.00	ug/kg	10/28/25 19:00	PB170283
319-85-7	beta-BHC	18.9		1	0.21	2.00	ug/kg	10/28/25 19:00	PB170283
319-86-8	delta-BHC	19.5		1	0.46	2.00	ug/kg	10/28/25 19:00	PB170283
58-89-9	gamma-BHC (Lindane)	18.8		1	0.16	2.00	ug/kg	10/28/25 19:00	PB170283
76-44-8	Heptachlor	22.7		1	0.14	2.00	ug/kg	10/28/25 19:00	PB170283
309-00-2	Aldrin	19.0		1	0.14	2.00	ug/kg	10/28/25 19:00	PB170283
1024-57-3	Heptachlor epoxide	19.2		1	0.22	2.00	ug/kg	10/28/25 19:00	PB170283
959-98-8	Endosulfan I	19.0		1	0.16	2.00	ug/kg	10/28/25 19:00	PB170283
60-57-1	Dieldrin	19.6		1	0.16	2.00	ug/kg	10/28/25 19:00	PB170283
72-55-9	4,4-DDE	18.4		1	0.16	2.00	ug/kg	10/28/25 19:00	PB170283
72-20-8	Endrin	19.2		1	0.16	2.00	ug/kg	10/28/25 19:00	PB170283
33213-65-9	Endosulfan II	19.9		1	0.34	2.00	ug/kg	10/28/25 19:00	PB170283
72-54-8	4,4-DDD	20.7		1	0.18	2.00	ug/kg	10/28/25 19:00	PB170283
1031-07-8	Endosulfan Sulfate	18.6		1	0.15	2.00	ug/kg	10/28/25 19:00	PB170283
50-29-3	4,4-DDT	21.2		1	0.16	2.00	ug/kg	10/28/25 19:00	PB170283
72-43-5	Methoxychlor	18.9		1	0.43	2.00	ug/kg	10/28/25 19:00	PB170283
53494-70-5	Endrin ketone	19.4		1	0.22	2.00	ug/kg	10/28/25 19:00	PB170283
7421-93-4	Endrin aldehyde	19.0		1	0.43	2.00	ug/kg	10/28/25 19:00	PB170283
5103-71-9	alpha-Chlordane	18.6		1	0.14	2.00	ug/kg	10/28/25 19:00	PB170283
5103-74-2	gamma-Chlordane	19.3		1	0.18	2.00	ug/kg	10/28/25 19:00	PB170283
8001-35-2	Toxaphene	6.30	U	1	6.30	38.7	ug/kg	10/28/25 19:00	PB170283
SURROGATES									
2051-24-3	Decachlorobiphenyl	15.1			30 (20) - 150 (144)	75%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	19.1			30 (19) - 150 (148)	96%	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: **PD090895.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:	10/23/25
Project:	PVWC Linear Construction	Date Received:	10/24/25
Client Sample ID:	B8-0.0-1.0-20251023MSD	SDG No.:	Q3466
Lab Sample ID:	Q3466-02MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.3
Sample Wt/Vol:	30.07 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541 Prep Date 10/28/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	20.7		1	0.15	2.00	ug/kg	10/28/25 19:14	PB170283
319-85-7	beta-BHC	20.2		1	0.21	2.00	ug/kg	10/28/25 19:14	PB170283
319-86-8	delta-BHC	20.7		1	0.46	2.00	ug/kg	10/28/25 19:14	PB170283
58-89-9	gamma-BHC (Lindane)	20.4		1	0.16	2.00	ug/kg	10/28/25 19:14	PB170283
76-44-8	Heptachlor	24.2		1	0.14	2.00	ug/kg	10/28/25 19:14	PB170283
309-00-2	Aldrin	20.2		1	0.14	2.00	ug/kg	10/28/25 19:14	PB170283
1024-57-3	Heptachlor epoxide	20.5		1	0.22	2.00	ug/kg	10/28/25 19:14	PB170283
959-98-8	Endosulfan I	20.2		1	0.16	2.00	ug/kg	10/28/25 19:14	PB170283
60-57-1	Dieldrin	20.6		1	0.16	2.00	ug/kg	10/28/25 19:14	PB170283
72-55-9	4,4-DDE	19.4		1	0.16	2.00	ug/kg	10/28/25 19:14	PB170283
72-20-8	Endrin	20.3		1	0.16	2.00	ug/kg	10/28/25 19:14	PB170283
33213-65-9	Endosulfan II	20.7		1	0.34	2.00	ug/kg	10/28/25 19:14	PB170283
72-54-8	4,4-DDD	21.8		1	0.18	2.00	ug/kg	10/28/25 19:14	PB170283
1031-07-8	Endosulfan Sulfate	19.2		1	0.15	2.00	ug/kg	10/28/25 19:14	PB170283
50-29-3	4,4-DDT	22.6		1	0.16	2.00	ug/kg	10/28/25 19:14	PB170283
72-43-5	Methoxychlor	19.8		1	0.43	2.00	ug/kg	10/28/25 19:14	PB170283
53494-70-5	Endrin ketone	20.5		1	0.22	2.00	ug/kg	10/28/25 19:14	PB170283
7421-93-4	Endrin aldehyde	20.0		1	0.43	2.00	ug/kg	10/28/25 19:14	PB170283
5103-71-9	alpha-Chlordane	19.8		1	0.14	2.00	ug/kg	10/28/25 19:14	PB170283
5103-74-2	gamma-Chlordane	20.4		1	0.18	2.00	ug/kg	10/28/25 19:14	PB170283
8001-35-2	Toxaphene	6.30	U	1	6.30	38.6	ug/kg	10/28/25 19:14	PB170283
SURROGATES									
2051-24-3	Decachlorobiphenyl	15.2			30 (20) - 150 (144)	76%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	20.3			30 (19) - 150 (148)	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

CALIBRATION SUMMARY

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Fax : 908 789 8922

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D
Contract: HDRI08
SDG NO.: Q3466
Calibration Date(s): 10/17/2025 10/17/2025
Calibration Times: 11:34 12:28

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

LAB FILE ID: RT 100 = PD090650.D RT 075 = PD090651.D
RT 050 = PD090652.D RT 025 = PD090653.D RT 005 = PD090654.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	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aldrin	5.26	5.27	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	9.07	9.07	9.06	9.07	9.07	9.07	8.97	9.17
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	7.15	7.15	7.15	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	7.63	7.63	7.63	7.63	7.62	7.62	7.52	7.72
gamma-BHC (Lindane)	4.32	4.33	4.33	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	5.69	5.69	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	3.55	3.55	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.: Q3466
Calibration Date(s): 10/17/2025 10/17/2025
Calibration Times: 11:34 12:28

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 100 = PD090650.D RT 075 = PD090651.D
RT 050 = PD090652.D RT 025 = PD090653.D RT 005 = PD090654.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	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
4,4'-DDT	6.17	6.18	6.17	6.17	6.18	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	4.26	4.26	4.26	4.26	4.26	4.26	4.16	4.36
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	5.12	5.12	5.12	5.12	5.12	5.12	5.02	5.22
Heptachlor	4.08	4.08	4.08	4.07	4.08	4.07	3.97	4.17
Heptachlor epoxide	4.86	4.87	4.86	4.86	4.86	4.86	4.76	4.96
Methoxychlor	6.75	6.75	6.75	6.74	6.75	6.74	6.64	6.84
Tetrachloro-m-xylene	2.87	2.88	2.88	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.: Q3466
Calibration Date(s): 10/17/2025 10/17/2025
Calibration Times: 11:34 12:28

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

LAB FILE ID: **CF 100 =** PD090650.D **CF 075 =** PD090651.D
CF 050 = PD090652.D **CF 025 =** PD090653.D **CF 005 =** PD090654.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	4150980000	4075270000	4055470000	3840760000	4148570000	4054210000	3
4,4'-DDE	5435610000	5370750000	5317610000	5053060000	5456160000	5326640000	3
4,4'-DDT	4256810000	4152600000	4117930000	3927880000	4097130000	4110470000	3
Aldrin	6694230000	6562230000	6516940000	6238140000	6724820000	6547270000	3
alpha-BHC	7752530000	7402380000	7252210000	6743070000	6735520000	7177140000	6
alpha-Chlordane	5966070000	5905470000	5938650000	6170460000	6920630000	6180250000	7
beta-BHC	2515210000	2489310000	2540370000	2560620000	2992650000	2619630000	8
Decachlorobiphenyl	4361180000	4315270000	4506230000	4707060000	5500070000	4677960000	10
delta-BHC	7169260000	6905720000	6771510000	6342450000	6619680000	6761720000	5
Dieldrin	5929890000	5841940000	5818180000	5550330000	6016400000	5831350000	3
Endosulfan I	5452270000	5404490000	5449050000	5348660000	6028770000	5536650000	5
Endosulfan II	4873230000	4835950000	4885080000	4789750000	5615800000	4999960000	7
Endosulfan sulfate	4557060000	4504850000	4556170000	4479960000	5092920000	4638190000	6
Endrin	5035940000	4962910000	4938250000	4711180000	5120260000	4953710000	3
Endrin aldehyde	3505880000	3507960000	3571680000	3579710000	4148280000	3662700000	7
Endrin ketone	4819770000	4736510000	4782320000	4695250000	5260400000	4858850000	5
gamma-BHC (Lindane)	7185880000	6905860000	6799650000	6417980000	6684750000	6798820000	4
gamma-Chlordane	5972450000	5894040000	5855640000	5592670000	6341090000	5931180000	5
Heptachlor	5757910000	5597510000	5545540000	5288860000	5757970000	5589560000	3
Heptachlor epoxide	5795570000	5708170000	5718680000	5584980000	6137920000	5789060000	4
Methoxychlor	2050060000	2015340000	2078640000	2094570000	2389310000	2125590000	7
Tetrachloro-m-xylene	3010860000	2951180000	3030100000	3124300000	3454390000	3114160000	6

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D

Contract: HDRI08
SDG NO.: Q3466
Calibration Date(s): 10/17/2025 10/17/2025
Calibration Times: 11:34 12:28

GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID: CF 100 = PD090650.D CF 075 = PD090651.D
CF 050 = PD090652.D CF 025 = PD090653.D CF 005 = PD090654.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	33708900000	34309400000	35560900000	36237500000	42373300000	36438000000	10
4,4'-DDE	40500800000	41191000000	42548600000	43577200000	51373700000	43838300000	10
4,4'-DDT	33888000000	33982600000	34868200000	34959100000	37667600000	35073100000	4
Aldrin	43083800000	43574800000	45033800000	46172400000	53729700000	46318900000	9
alpha-BHC	49118000000	48392000000	49683700000	50500300000	57784900000	51095800000	7
alpha-Chlordane	40004000000	40550200000	41893000000	42708900000	50532500000	43137700000	10
beta-BHC	18296700000	18365500000	19080800000	19804100000	23600800000	19829500000	11
Decachlorobiphenyl	28856800000	28247200000	29308000000	30057200000	34987600000	30291400000	9
delta-BHC	45324900000	45220200000	46466400000	47155800000	54416000000	47716700000	8
Dieldrin	40601100000	41425500000	43096200000	44203200000	51593900000	44184000000	10
Endosulfan I	35728600000	36586400000	38185700000	39478600000	46972400000	39390300000	11
Endosulfan II	34269700000	34968100000	36432200000	37520200000	44587200000	37555500000	11
Endosulfan sulfate	32963400000	33538900000	34960800000	35861000000	41900900000	35845000000	10
Endrin	36902000000	37827400000	39400900000	40693000000	47646500000	40494000000	11
Endrin aldehyde	25110900000	25739400000	26893100000	27767400000	32953200000	27692800000	11
Endrin ketone	34460000000	35020500000	36550700000	37816700000	44740900000	37717800000	11
gamma-BHC (Lindane)	44964800000	44604900000	45972800000	46808300000	53893500000	47248900000	8
gamma-Chlordane	41920800000	42422300000	43748100000	44346600000	52306700000	44948900000	9
Heptachlor	41272300000	41810600000	43239300000	44502900000	52189000000	44602800000	10
Heptachlor epoxide	38203400000	38891500000	40672900000	42374400000	53052500000	42639000000	14
Methoxychlor	16116900000	16316400000	17198900000	17735100000	19771700000	17427800000	8
Tetrachloro-m-xylene	27903400000	27689100000	28617400000	29726500000	34949400000	29777100000	10

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

Instrument ID: ECD_D **Date(s) Analyzed:** 10/17/2025 10/17/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	6.24	6.14	6.34	32564400
		2	6.44	6.34	6.54	48621800
		3	7.14	7.04	7.24	85710600
		4	7.56	7.46	7.66	95737400
		5	7.92	7.82	8.02	60480500

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

Instrument ID: ECD_D **Date(s) Analyzed:** 10/17/2025 10/17/2025

GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	5.47	5.37	5.57	263702000
		2	5.64	5.54	5.74	176560000
		3	6.75	6.65	6.85	658883000
		4	7.19	7.09	7.29	495104000
		5	7.32	7.22	7.42	246033000

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

Continuing Calib Date: 10/28/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

Continuing Calib Time: 13:50 **Initial Calibration Time(s):** 11:34 12:28

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	3.55	3.45	3.65	0.00
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	-0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
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	0.00
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	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	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.:** Q3466

Continuing Calib Date: 10/28/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

Continuing Calib Time: 13:50 **Initial Calibration Time(s):** 11:34 12:28

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	2.88	2.78	2.98	0.01
alpha-BHC	3.39	3.39	3.29	3.49	0.01
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.25	4.26	4.16	4.36	0.01
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.07	4.08	3.98	4.18	0.01
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	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.50	5.50	5.40	5.60	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.01
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	6.75	6.65	6.85	0.01
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	5.12	5.12	5.02	5.22	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/28/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090880.D **Time Analyzed:** 13:50

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.705	6.600	6.800	52.870	50.000	5.7
4,4'-DDE	6.195	6.090	6.290	47.930	50.000	-4.1
4,4'-DDT	7.020	6.915	7.115	47.020	50.000	-6.0
Aldrin	5.269	5.164	5.364	48.150	50.000	-3.7
alpha-BHC	3.999	3.894	4.094	48.620	50.000	-2.8
alpha-Chlordane	6.025	5.921	6.121	49.310	50.000	-1.4
beta-BHC	4.516	4.412	4.612	46.790	50.000	-6.4
Decachlorobiphenyl	9.070	8.964	9.164	44.840	50.000	-10.3
delta-BHC	4.766	4.660	4.860	48.660	50.000	-2.7
Dieldrin	6.345	6.240	6.440	48.770	50.000	-2.5
Endosulfan I	6.073	5.968	6.168	48.280	50.000	-3.4
Endosulfan II	6.785	6.681	6.881	47.840	50.000	-4.3
Endosulfan sulfate	7.149	7.045	7.245	48.580	50.000	-2.8
Endrin	6.573	6.468	6.668	46.310	50.000	-7.4
Endrin aldehyde	6.914	6.810	7.010	49.090	50.000	-1.8
Endrin ketone	7.629	7.525	7.725	50.760	50.000	1.5
gamma-BHC (Lindane)	4.330	4.225	4.425	47.850	50.000	-4.3
gamma-Chlordane	5.945	5.840	6.040	48.450	50.000	-3.1
Heptachlor	4.928	4.823	5.023	56.100	50.000	12.2
Heptachlor epoxide	5.688	5.584	5.784	48.870	50.000	-2.3
Methoxychlor	7.493	7.388	7.588	46.810	50.000	-6.4
Tetrachloro-m-xylene	3.549	3.445	3.645	45.750	50.000	-8.5

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/28/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090880.D **Time Analyzed:** 13:50

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.919	5.821	6.021	49.130	50.000	-1.7
4,4'-DDE	5.365	5.266	5.466	46.160	50.000	-7.7
4,4'-DDT	6.173	6.074	6.274	45.570	50.000	-8.9
Aldrin	4.359	4.261	4.461	45.320	50.000	-9.4
alpha-BHC	3.385	3.287	3.487	45.620	50.000	-8.8
alpha-Chlordane	5.180	5.081	5.281	45.730	50.000	-8.5
beta-BHC	4.018	3.919	4.119	47.270	50.000	-5.5
Decachlorobiphenyl	8.060	7.962	8.162	49.890	50.000	-0.2
delta-BHC	4.253	4.155	4.355	45.880	50.000	-8.2
Dieldrin	5.503	5.404	5.604	46.470	50.000	-7.1
Endosulfan I	5.237	5.138	5.338	45.070	50.000	-9.9
Endosulfan II	6.071	5.972	6.172	47.430	50.000	-5.1
Endosulfan sulfate	6.473	6.374	6.574	47.920	50.000	-4.2
Endrin	5.779	5.681	5.881	45.370	50.000	-9.3
Endrin aldehyde	6.249	6.150	6.350	47.700	50.000	-4.6
Endrin ketone	6.982	6.883	7.083	51.450	50.000	2.9
gamma-BHC (Lindane)	3.721	3.623	3.823	45.240	50.000	-9.5
gamma-Chlordane	5.115	5.017	5.217	45.760	50.000	-8.5
Heptachlor	4.073	3.975	4.175	46.820	50.000	-6.4
Heptachlor epoxide	4.863	4.764	4.964	44.400	50.000	-11.2
Methoxychlor	6.744	6.645	6.845	46.880	50.000	-6.2
Tetrachloro-m-xylene	2.873	2.775	2.975	45.050	50.000	-9.9

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

Continuing Calib Date: 10/28/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

Continuing Calib Time: 17:52 **Initial Calibration Time(s):** 11:34 12:28

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	3.55	3.45	3.65	0.01
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	4.33	4.23	4.43	0.01
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	6.57	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	7.14	7.15	7.05	7.25	0.01
4,4'-DDT	7.01	7.02	6.92	7.12	0.01
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.62	7.63	7.53	7.73	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.:** Q3466

Continuing Calib Date: 10/28/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

Continuing Calib Time: 17:52 **Initial Calibration Time(s):** 11:34 12:28

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	2.88	2.78	2.98	0.01
alpha-BHC	3.39	3.39	3.29	3.49	0.01
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.25	4.26	4.16	4.36	0.01
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.07	4.08	3.98	4.18	0.01
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	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.50	5.50	5.40	5.60	0.00
4,4'-DDE	5.36	5.37	5.27	5.47	0.01
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	6.75	6.65	6.85	0.01
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	5.12	5.02	5.22	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/28/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090892.D **Time Analyzed:** 17:52

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.697	6.600	6.800	51.450	50.000	2.9
4,4'-DDE	6.188	6.090	6.290	46.680	50.000	-6.6
4,4'-DDT	7.013	6.915	7.115	44.150	50.000	-11.7
Aldrin	5.263	5.164	5.364	47.620	50.000	-4.8
alpha-BHC	3.992	3.894	4.094	48.380	50.000	-3.2
alpha-Chlordane	6.018	5.921	6.121	47.490	50.000	-5.0
beta-BHC	4.510	4.412	4.612	46.830	50.000	-6.3
Decachlorobiphenyl	9.061	8.964	9.164	44.310	50.000	-11.4
delta-BHC	4.758	4.660	4.860	48.380	50.000	-3.2
Dieldrin	6.338	6.240	6.440	47.610	50.000	-4.8
Endosulfan I	6.066	5.968	6.168	47.290	50.000	-5.4
Endosulfan II	6.779	6.681	6.881	46.450	50.000	-7.1
Endosulfan sulfate	7.142	7.045	7.245	46.810	50.000	-6.4
Endrin	6.565	6.468	6.668	44.800	50.000	-10.4
Endrin aldehyde	6.907	6.810	7.010	46.920	50.000	-6.2
Endrin ketone	7.623	7.525	7.725	49.330	50.000	-1.3
gamma-BHC (Lindane)	4.323	4.225	4.425	47.650	50.000	-4.7
gamma-Chlordane	5.937	5.840	6.040	47.140	50.000	-5.7
Heptachlor	4.921	4.823	5.023	55.050	50.000	10.1
Heptachlor epoxide	5.682	5.584	5.784	48.630	50.000	-2.7
Methoxychlor	7.486	7.388	7.588	45.090	50.000	-9.8
Tetrachloro-m-xylene	3.543	3.445	3.645	46.400	50.000	-7.2

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/28/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090892.D **Time Analyzed:** 17:52

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.918	5.821	6.021	49.050	50.000	-1.9
4,4'-DDE	5.363	5.266	5.466	46.140	50.000	-7.7
4,4'-DDT	6.171	6.074	6.274	43.960	50.000	-12.1
Aldrin	4.358	4.261	4.461	45.800	50.000	-8.4
alpha-BHC	3.385	3.287	3.487	45.860	50.000	-8.3
alpha-Chlordane	5.179	5.081	5.281	45.630	50.000	-8.7
beta-BHC	4.017	3.919	4.119	47.490	50.000	-5.0
Decachlorobiphenyl	8.058	7.962	8.162	47.520	50.000	-5.0
delta-BHC	4.253	4.155	4.355	45.860	50.000	-8.3
Dieldrin	5.501	5.404	5.604	46.240	50.000	-7.5
Endosulfan I	5.235	5.138	5.338	44.570	50.000	-10.9
Endosulfan II	6.069	5.972	6.172	46.570	50.000	-6.9
Endosulfan sulfate	6.471	6.374	6.574	46.950	50.000	-6.1
Endrin	5.778	5.681	5.881	44.720	50.000	-10.6
Endrin aldehyde	6.247	6.150	6.350	46.850	50.000	-6.3
Endrin ketone	6.980	6.883	7.083	49.870	50.000	-0.3
gamma-BHC (Lindane)	3.721	3.623	3.823	45.460	50.000	-9.1
gamma-Chlordane	5.114	5.017	5.217	45.680	50.000	-8.6
Heptachlor	4.073	3.975	4.175	46.780	50.000	-6.4
Heptachlor epoxide	4.861	4.764	4.964	44.870	50.000	-10.3
Methoxychlor	6.742	6.645	6.845	45.090	50.000	-9.8
Tetrachloro-m-xylene	2.873	2.775	2.975	45.260	50.000	-9.5

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

Continuing Calib Date: 10/28/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

Continuing Calib Time: 21:58 **Initial Calibration Time(s):** 11:34 12:28

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	3.55	3.45	3.65	0.01
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	4.33	4.23	4.43	0.01
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	6.57	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	7.14	7.15	7.05	7.25	0.01
4,4'-DDT	7.01	7.02	6.92	7.12	0.01
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.62	7.63	7.53	7.73	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.:** Q3466

Continuing Calib Date: 10/28/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

Continuing Calib Time: 21:58 **Initial Calibration Time(s):** 11:34 12:28

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	2.88	2.78	2.98	0.01
alpha-BHC	3.39	3.39	3.29	3.49	0.01
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.25	4.26	4.16	4.36	0.01
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.07	4.08	3.98	4.18	0.01
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	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.50	5.50	5.40	5.60	0.00
4,4'-DDE	5.36	5.37	5.27	5.47	0.01
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	6.75	6.65	6.85	0.01
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	5.12	5.02	5.22	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL03 **Date Analyzed:** 10/28/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090902.D **Time Analyzed:** 21:58

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.698	6.600	6.800	51.800	50.000	3.6
4,4'-DDE	6.188	6.090	6.290	47.120	50.000	-5.8
4,4'-DDT	7.014	6.915	7.115	44.680	50.000	-10.6
Aldrin	5.262	5.164	5.364	49.050	50.000	-1.9
alpha-BHC	3.993	3.894	4.094	49.510	50.000	-1.0
alpha-Chlordane	6.019	5.921	6.121	48.260	50.000	-3.5
beta-BHC	4.511	4.412	4.612	48.060	50.000	-3.9
Decachlorobiphenyl	9.062	8.964	9.164	43.030	50.000	-13.9
delta-BHC	4.759	4.660	4.860	49.530	50.000	-0.9
Dieldrin	6.339	6.240	6.440	48.170	50.000	-3.7
Endosulfan I	6.067	5.968	6.168	47.840	50.000	-4.3
Endosulfan II	6.779	6.681	6.881	46.470	50.000	-7.1
Endosulfan sulfate	7.143	7.045	7.245	47.130	50.000	-5.7
Endrin	6.566	6.468	6.668	45.750	50.000	-8.5
Endrin aldehyde	6.908	6.810	7.010	47.510	50.000	-5.0
Endrin ketone	7.623	7.525	7.725	48.830	50.000	-2.3
gamma-BHC (Lindane)	4.324	4.225	4.425	48.790	50.000	-2.4
gamma-Chlordane	5.938	5.840	6.040	47.750	50.000	-4.5
Heptachlor	4.921	4.823	5.023	56.510	50.000	13.0
Heptachlor epoxide	5.683	5.584	5.784	49.190	50.000	-1.6
Methoxychlor	7.487	7.388	7.588	44.500	50.000	-11.0
Tetrachloro-m-xylene	3.544	3.445	3.645	47.130	50.000	-5.7

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL03 **Date Analyzed:** 10/28/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090902.D **Time Analyzed:** 21:58

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.918	5.821	6.021	50.560	50.000	1.1
4,4'-DDE	5.363	5.266	5.466	47.870	50.000	-4.3
4,4'-DDT	6.172	6.074	6.274	45.310	50.000	-9.4
Aldrin	4.358	4.261	4.461	47.150	50.000	-5.7
alpha-BHC	3.385	3.287	3.487	47.140	50.000	-5.7
alpha-Chlordane	5.179	5.081	5.281	47.270	50.000	-5.5
beta-BHC	4.017	3.919	4.119	48.800	50.000	-2.4
Decachlorobiphenyl	8.058	7.962	8.162	48.180	50.000	-3.6
delta-BHC	4.253	4.155	4.355	47.490	50.000	-5.0
Dieldrin	5.501	5.404	5.604	47.760	50.000	-4.5
Endosulfan I	5.236	5.138	5.338	46.110	50.000	-7.8
Endosulfan II	6.070	5.972	6.172	48.060	50.000	-3.9
Endosulfan sulfate	6.471	6.374	6.574	48.320	50.000	-3.4
Endrin	5.778	5.681	5.881	46.640	50.000	-6.7
Endrin aldehyde	6.247	6.150	6.350	48.330	50.000	-3.3
Endrin ketone	6.980	6.883	7.083	49.950	50.000	-0.1
gamma-BHC (Lindane)	3.721	3.623	3.823	46.830	50.000	-6.3
gamma-Chlordane	5.114	5.017	5.217	47.490	50.000	-5.0
Heptachlor	4.073	3.975	4.175	47.980	50.000	-4.0
Heptachlor epoxide	4.862	4.764	4.964	46.330	50.000	-7.3
Methoxychlor	6.742	6.645	6.845	46.210	50.000	-7.6
Tetrachloro-m-xylene	2.873	2.775	2.975	46.500	50.000	-7.0

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090648.D **Date Analyzed:** 10/17/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:07

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.066	8.970	9.170	22.860	20.000	14.3
Tetrachloro-m-xylene	3.544	3.490	3.590	21.710	20.000	8.6
alpha-BHC	3.994	3.940	4.040	9.050	10.000	-9.5
beta-BHC	4.512	4.460	4.560	10.070	10.000	0.7
gamma-BHC (Lindane)	4.324	4.270	4.370	9.330	10.000	-6.7
Endrin	6.568	6.500	6.640	49.200	50.000	-1.6
4,4'-DDT	7.016	6.950	7.090	100.270	100.000	0.3
Methoxychlor	7.489	7.420	7.560	236.810	250.000	-5.3

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090648.D **Date Analyzed:** 10/17/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:07

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.062	7.960	8.160	21.400	20.000	7.0
Tetrachloro-m-xylene	2.875	2.820	2.930	21.220	20.000	6.1
alpha-BHC	3.386	3.340	3.440	10.300	10.000	3.0
beta-BHC	4.019	3.970	4.070	10.460	10.000	4.6
gamma-BHC (Lindane)	3.723	3.670	3.770	10.340	10.000	3.4
Endrin	5.781	5.710	5.850	47.940	50.000	-4.1
4,4'-DDT	6.174	6.100	6.240	95.670	100.000	-4.3
Methoxychlor	6.745	6.670	6.820	201.830	250.000	-19.3

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090868.D **Date Analyzed:** 10/28/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:55

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.062	8.960	9.160	22.890	20.000	14.5
Tetrachloro-m-xylene	3.544	3.490	3.590	23.160	20.000	15.8
alpha-BHC	3.993	3.940	4.040	9.970	10.000	-0.3
beta-BHC	4.511	4.460	4.560	11.310	10.000	13.1
gamma-BHC (Lindane)	4.323	4.270	4.370	10.310	10.000	3.1
Endrin	6.566	6.500	6.640	52.490	50.000	5.0
4,4'-DDT	7.013	6.940	7.080	107.090	100.000	7.1
Methoxychlor	7.486	7.420	7.560	251.460	250.000	0.6

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090868.D **Date Analyzed:** 10/28/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:55

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.058	7.960	8.160	25.500	20.000	27.5
Tetrachloro-m-xylene	2.873	2.820	2.920	23.100	20.000	15.5
alpha-BHC	3.385	3.330	3.440	11.160	10.000	11.6
beta-BHC	4.017	3.970	4.070	11.350	10.000	13.5
gamma-BHC (Lindane)	3.721	3.670	3.770	11.180	10.000	11.8
Endrin	5.778	5.710	5.850	50.160	50.000	0.3
4,4'-DDT	6.172	6.100	6.240	104.590	100.000	4.6
Methoxychlor	6.741	6.670	6.810	216.550	250.000	-13.4

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090901.D **Date Analyzed:** 10/28/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 20:36

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.062	8.960	9.160	20.280	20.000	1.4
Tetrachloro-m-xylene	3.543	3.490	3.590	22.630	20.000	13.2
alpha-BHC	3.992	3.940	4.040	9.620	10.000	-3.8
beta-BHC	4.510	4.460	4.560	10.560	10.000	5.6
gamma-BHC (Lindane)	4.323	4.270	4.370	9.720	10.000	-2.8
Endrin	6.566	6.500	6.640	45.270	50.000	-9.5
4,4'-DDT	7.013	6.940	7.080	85.200	100.000	-14.8
Methoxychlor	7.486	7.420	7.560	212.190	250.000	-15.1

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090901.D **Date Analyzed:** 10/28/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 20:36

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.058	7.960	8.160	20.220	20.000	1.1
Tetrachloro-m-xylene	2.873	2.820	2.920	22.730	20.000	13.7
alpha-BHC	3.385	3.330	3.440	11.060	10.000	10.6
beta-BHC	4.017	3.970	4.070	11.130	10.000	11.3
gamma-BHC (Lindane)	3.721	3.670	3.770	10.960	10.000	9.6
Endrin	5.777	5.710	5.850	46.510	50.000	-7.0
4,4'-DDT	6.171	6.100	6.240	85.530	100.000	-14.5
Methoxychlor	6.741	6.670	6.810	185.490	250.000	-25.8

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Analytical Sequence

Client: HDR, Inc. **SDG No.:** Q3466

Project: PVWC Linear Construction **Instrument ID:** ECD_D

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/17/2025 10/17/2025

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	10/17/2025	10:53	PD090647.D	9.07	3.55
PEM	PEM	10/17/2025	11:07	PD090648.D	9.07	3.54
RESCHK	RESCHK	10/17/2025	11:20	PD090649.D	9.07	3.54
PSTDICC100	PSTDICC100	10/17/2025	11:34	PD090650.D	9.07	3.54
PSTDICC075	PSTDICC075	10/17/2025	11:48	PD090651.D	9.07	3.55
PSTDICC050	PSTDICC050	10/17/2025	12:01	PD090652.D	9.06	3.55
PSTDICC025	PSTDICC025	10/17/2025	12:15	PD090653.D	9.07	3.54
PSTDICC005	PSTDICC005	10/17/2025	12:28	PD090654.D	9.07	3.54
PCHLORICC500	PCHLORICC500	10/17/2025	13:09	PD090657.D	9.07	3.55
PTOXICC500	PTOXICC500	10/17/2025	14:17	PD090662.D	9.07	3.55
PEM	PEM	10/28/2025	09:55	PD090868.D	9.06	3.54
I.BLK	I.BLK	10/28/2025	13:16	PD090879.D	9.06	3.54
PSTDCCC050	PSTDCCC050	10/28/2025	13:50	PD090880.D	9.07	3.55
PB170283BL	PB170283BL	10/28/2025	14:35	PD090881.D	9.07	3.55
PB170283BS	PB170283BS	10/28/2025	16:16	PD090885.D	9.07	3.55
I.BLK	I.BLK	10/28/2025	17:38	PD090891.D	9.06	3.54
PSTDCCC050	PSTDCCC050	10/28/2025	17:52	PD090892.D	9.06	3.54
B8-0.0-1.0-20251023	Q3466-02	10/28/2025	18:46	PD090893.D	9.06	3.54
B8-0.0-1.0-20251023MS	Q3466-02MS	10/28/2025	19:00	PD090894.D	9.06	3.54
B8-0.0-1.0-20251023MSD	Q3466-02MSD	10/28/2025	19:14	PD090895.D	9.06	3.54
B9-0.0-1.0-20251023	Q3466-05	10/28/2025	19:27	PD090896.D	9.06	3.54
B7-1.0-2.0-20251023	Q3466-07	10/28/2025	19:41	PD090897.D	9.06	3.54
I.BLK	I.BLK	10/28/2025	20:22	PD090900.D	9.06	3.54
PEM	PEM	10/28/2025	20:36	PD090901.D	9.06	3.54
PSTDCCC050	PSTDCCC050	10/28/2025	21:58	PD090902.D	9.06	3.54

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Analytical Sequence

Client: HDR, Inc. **SDG No.:** Q3466

Project: PVWC Linear Construction **Instrument ID:** ECD_D

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/17/2025 10/17/2025

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	10/17/2025	10:53	PD090647.D	8.06	2.88
PEM	PEM	10/17/2025	11:07	PD090648.D	8.06	2.88
RESCHK	RESCHK	10/17/2025	11:20	PD090649.D	8.06	2.87
PSTDICC100	PSTDICC100	10/17/2025	11:34	PD090650.D	8.06	2.87
PSTDICC075	PSTDICC075	10/17/2025	11:48	PD090651.D	8.06	2.88
PSTDICC050	PSTDICC050	10/17/2025	12:01	PD090652.D	8.06	2.88
PSTDICC025	PSTDICC025	10/17/2025	12:15	PD090653.D	8.06	2.87
PSTDICC005	PSTDICC005	10/17/2025	12:28	PD090654.D	8.06	2.87
PCHLORICC500	PCHLORICC500	10/17/2025	13:09	PD090657.D	8.06	2.87
PTOXICC500	PTOXICC500	10/17/2025	14:17	PD090662.D	8.06	2.88
PEM	PEM	10/28/2025	09:55	PD090868.D	8.06	2.87
I.BLK	I.BLK	10/28/2025	13:16	PD090879.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/28/2025	13:50	PD090880.D	8.06	2.87
PB170283BL	PB170283BL	10/28/2025	14:35	PD090881.D	8.06	2.87
PB170283BS	PB170283BS	10/28/2025	16:16	PD090885.D	8.06	2.87
I.BLK	I.BLK	10/28/2025	17:38	PD090891.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/28/2025	17:52	PD090892.D	8.06	2.87
B8-0.0-1.0-20251023	Q3466-02	10/28/2025	18:46	PD090893.D	8.06	2.87
B8-0.0-1.0-20251023MS	Q3466-02MS	10/28/2025	19:00	PD090894.D	8.06	2.87
B8-0.0-1.0-20251023MSD	Q3466-02MSD	10/28/2025	19:14	PD090895.D	8.06	2.87
B9-0.0-1.0-20251023	Q3466-05	10/28/2025	19:27	PD090896.D	8.06	2.87
B7-1.0-2.0-20251023	Q3466-07	10/28/2025	19:41	PD090897.D	8.06	2.87
I.BLK	I.BLK	10/28/2025	20:22	PD090900.D	8.06	2.87
PEM	PEM	10/28/2025	20:36	PD090901.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/28/2025	21:58	PD090902.D	8.06	2.87

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

B8-0.0-1.0-20251023

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

Lab Sample ID: Q3466-02 **Date(s) Analyzed:** 10/28/2025 10/28/2025

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	1.10	100
	2	6.17	6.12	6.22	3.30	
4,4'-DDE	1	6.19	6.14	6.24	0.80	22.7
	2	5.36	5.31	5.41	0.64	
Dieldrin	1	6.34	6.29	6.39	0.45	115.9
	2	5.50	5.45	5.55	1.70	
Endrin	1	6.57	6.52	6.62	1.10	104.9
	2	5.78	5.73	5.83	0.34	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

B8-0.0-1.0-20251023MS

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

Lab Sample ID: Q3466-02MS **Date(s) Analyzed:** 10/28/2025 10/28/2025

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	18.4	7.8
	2	6.07	6.02	6.12	19.9	
4,4'-DDD	1	6.70	6.65	6.75	20.7	17.9
	2	5.92	5.87	5.97	17.3	
4,4'-DDT	1	7.01	6.96	7.06	21.2	1.4
	2	6.17	6.12	6.22	20.9	
Endrin aldehyde	1	6.91	6.86	6.96	19.0	1.6
	2	6.25	6.20	6.30	18.7	
Endosulfan sulfate	1	7.14	7.09	7.19	18.3	1.6
	2	6.47	6.42	6.52	18.6	
Methoxychlor	1	7.49	7.44	7.54	18.9	9.4
	2	6.74	6.69	6.79	17.2	
Endrin ketone	1	7.62	7.57	7.67	19.4	10.9
	2	6.98	6.93	7.03	17.4	
alpha-BHC	1	3.99	3.94	4.04	19.4	5.3
	2	3.39	3.34	3.44	18.4	
gamma-BHC (Lindane)	1	4.32	4.27	4.37	18.8	4.9
	2	3.72	3.67	3.77	17.9	
Heptachlor	1	4.92	4.87	4.97	22.7	17.2
	2	4.07	4.02	4.12	19.1	
Aldrin	1	5.26	5.21	5.31	19.0	6.5
	2	4.36	4.31	4.41	17.8	
beta-BHC	1	4.51	4.46	4.56	17.3	8.8
	2	4.02	3.97	4.07	18.9	
delta-BHC	1	4.76	4.71	4.81	19.5	7.4
	2	4.25	4.20	4.30	18.1	
Heptachlor epoxide	1	5.68	5.63	5.73	19.2	7
	2	4.86	4.81	4.91	17.9	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

B8-0.0-1.0-20251023MS

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

Lab Sample ID: Q3466-02MS **Date(s) Analyzed:** 10/28/2025 10/28/2025

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	6.07	6.02	6.12	19.0	13.5
	2	5.24	5.19	5.29	16.6	
gamma-Chlordane	1	5.94	5.89	5.99	18.4	4.8
	2	5.11	5.06	5.16	19.3	
alpha-Chlordane	1	6.02	5.97	6.07	18.4	1.1
	2	5.18	5.13	5.23	18.6	
4,4'-DDE	1	6.19	6.14	6.24	18.3	0.5
	2	5.36	5.31	5.41	18.4	
Dieldrin	1	6.34	6.29	6.39	18.9	3.6
	2	5.50	5.45	5.55	19.6	
Endrin	1	6.57	6.52	6.62	19.2	5.9
	2	5.78	5.73	5.83	18.1	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

B8-0.0-1.0-20251023MSD

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

Lab Sample ID: Q3466-02MSD **Date(s) Analyzed:** 10/28/2025 10/28/2025

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	19.4	6.5
	2	6.07	6.02	6.12	20.7	
4,4'-DDD	1	6.70	6.65	6.75	21.8	19.6
	2	5.92	5.87	5.97	17.9	
4,4'-DDT	1	7.01	6.96	7.06	22.6	4.1
	2	6.17	6.12	6.22	21.7	
Endrin aldehyde	1	6.91	6.86	6.96	20.0	1.5
	2	6.25	6.20	6.30	19.7	
Endosulfan sulfate	1	7.14	7.09	7.19	19.1	0.5
	2	6.47	6.42	6.52	19.2	
Methoxychlor	1	7.49	7.44	7.54	19.8	9.5
	2	6.74	6.69	6.79	18.0	
Endrin ketone	1	7.62	7.57	7.67	20.5	13.5
	2	6.98	6.93	7.03	17.9	
alpha-BHC	1	3.99	3.94	4.04	20.7	5.5
	2	3.39	3.34	3.44	19.6	
gamma-BHC (Lindane)	1	4.32	4.27	4.37	20.4	7.1
	2	3.72	3.67	3.77	19.0	
Heptachlor	1	4.92	4.87	4.97	24.2	17.5
	2	4.07	4.02	4.12	20.3	
Aldrin	1	5.26	5.21	5.31	20.2	7.2
	2	4.36	4.31	4.41	18.8	
beta-BHC	1	4.51	4.46	4.56	18.2	10.4
	2	4.02	3.97	4.07	20.2	
delta-BHC	1	4.76	4.71	4.81	20.7	7.5
	2	4.25	4.20	4.30	19.2	
Heptachlor epoxide	1	5.68	5.63	5.73	20.5	8.1
	2	4.86	4.81	4.91	18.9	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

B8-0.0-1.0-20251023MSD

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

Lab Sample ID: Q3466-02MSD **Date(s) Analyzed:** 10/28/2025 10/28/2025

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	6.07	6.02	6.12	20.2	14.3
	2	5.24	5.19	5.29	17.5	
gamma-Chlordane	1	5.94	5.89	5.99	19.5	4.5
	2	5.12	5.07	5.17	20.4	
alpha-Chlordane	1	6.02	5.97	6.07	19.8	1
	2	5.18	5.13	5.23	19.6	
4,4'-DDE	1	6.19	6.14	6.24	19.3	0.5
	2	5.36	5.31	5.41	19.4	
Dieldrin	1	6.34	6.29	6.39	19.9	3.5
	2	5.50	5.45	5.55	20.6	
Endrin	1	6.57	6.52	6.62	20.3	7.1
	2	5.78	5.73	5.83	18.9	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

B9-0.0-1.0-20251023

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

Lab Sample ID: Q3466-05 **Date(s) Analyzed:** 10/28/2025 10/28/2025

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
Dieldrin	1	6.34	6.29	6.39	0.56	56.3
	2	5.50	5.45	5.55	1.00	
Endrin	1	6.57	6.52	6.62	0.33	37.1
	2	5.78	5.73	5.83	0.23	
4,4'-DDT	1	7.02	6.97	7.07	0.41	35.2
	2	6.17	6.12	6.22	0.59	
Heptachlor epoxide	1	5.68	5.63	5.73	0.52	11.4
	2	4.86	4.81	4.91	0.46	
gamma-Chlordane	1	5.94	5.89	5.99	1.20	21.7
	2	5.11	5.06	5.16	0.97	
alpha-Chlordane	1	6.02	5.97	6.07	3.40	102.2
	2	5.18	5.13	5.23	1.10	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170283BS

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

Lab Sample ID: PB170283BS **Date(s) Analyzed:** 10/28/2025 10/28/2025

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	6.79	6.74	6.84	15.9	1.3
	2	6.07	6.02	6.12	15.7	
4,4'-DDD	1	6.71	6.66	6.76	17.3	4.7
	2	5.92	5.87	5.97	16.5	
4,4'-DDT	1	7.02	6.97	7.07	15.7	1.9
	2	6.17	6.12	6.22	15.4	
Endrin aldehyde	1	6.92	6.87	6.97	16.4	1.8
	2	6.25	6.20	6.30	16.1	
Endosulfan sulfate	1	7.15	7.10	7.20	16.0	0.6
	2	6.47	6.42	6.52	16.1	
Methoxychlor	1	7.49	7.44	7.54	15.9	1.3
	2	6.74	6.69	6.79	15.7	
Endrin ketone	1	7.63	7.58	7.68	16.8	1.2
	2	6.98	6.93	7.03	17.0	
alpha-BHC	1	4.00	3.95	4.05	15.8	5.2
	2	3.39	3.34	3.44	15.0	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	15.7	4.6
	2	3.72	3.67	3.77	15.0	
Heptachlor	1	4.93	4.88	4.98	18.6	18.8
	2	4.07	4.02	4.12	15.4	
Aldrin	1	5.27	5.22	5.32	15.9	5.8
	2	4.36	4.31	4.41	15.0	
beta-BHC	1	4.52	4.47	4.57	15.4	3.3
	2	4.02	3.97	4.07	14.9	
delta-BHC	1	4.77	4.72	4.82	16.0	5.8
	2	4.25	4.20	4.30	15.1	
Heptachlor epoxide	1	5.69	5.64	5.74	16.1	7.1
	2	4.86	4.81	4.91	15.0	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170283BS

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

Lab Sample ID: PB170283BS **Date(s) Analyzed:** 10/28/2025 10/28/2025

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	6.07	6.02	6.12	16.0	5.8
	2	5.24	5.19	5.29	15.1	
gamma-Chlordane	1	5.95	5.90	6.00	15.9	3.8
	2	5.12	5.07	5.17	15.3	
alpha-Chlordane	1	6.03	5.98	6.08	16.1	5.1
	2	5.18	5.13	5.23	15.3	
4,4'-DDE	1	6.20	6.15	6.25	15.8	2.6
	2	5.37	5.32	5.42	15.4	
Dieldrin	1	6.35	6.30	6.40	16.3	5
	2	5.50	5.45	5.55	15.5	
Endrin	1	6.57	6.52	6.62	15.5	2
	2	5.78	5.73	5.83	15.2	

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102825\
Data File : PD090893.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 18:46
Operator : AR\AJ
Sample : Q3466-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
B8-0.0-1.0-20251023

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/29/2025
Supervised By :Sohil Jodhani 10/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:46:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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	2.873	61645938	610.1E6	19.795m	20.489
28)	SA Decachlor...	9.062	8.058	73676133	496.8E6	15.750	16.400
	Target Compounds						
12)	B 4,4'-DDE	6.186	5.363	10974014	71822582	2.060m	1.638
13)	MA Dieldrin	6.343	5.497	6788963	196.0E6	1.164m	4.436m#
14)	MA Endrin	6.565	5.779	13869953	35558814	2.800m	0.878m#
17)	MA 4,4'-DDT	7.013	6.168	11853626	299.2E6	2.884	8.530 #

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

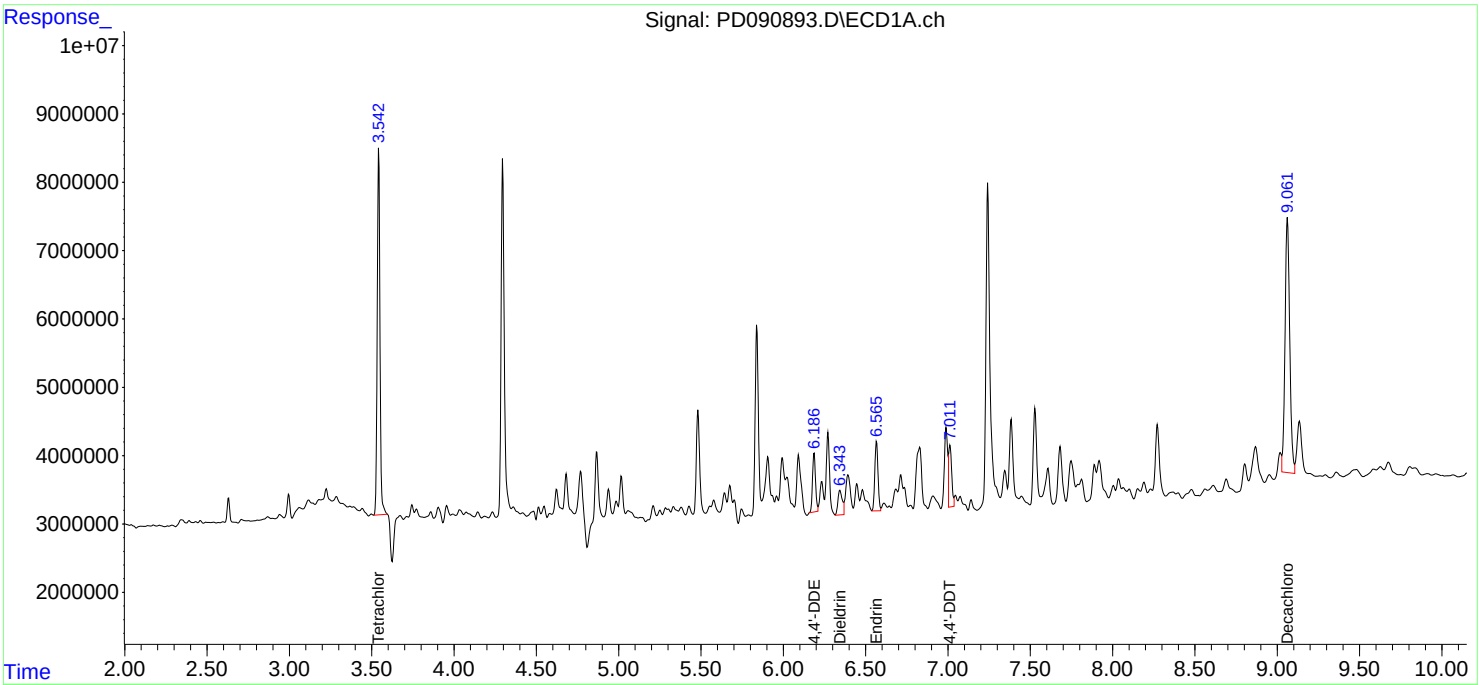
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102825\
Data File : PD090893.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 18:46
Operator : AR\AJ
Sample : Q3466-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

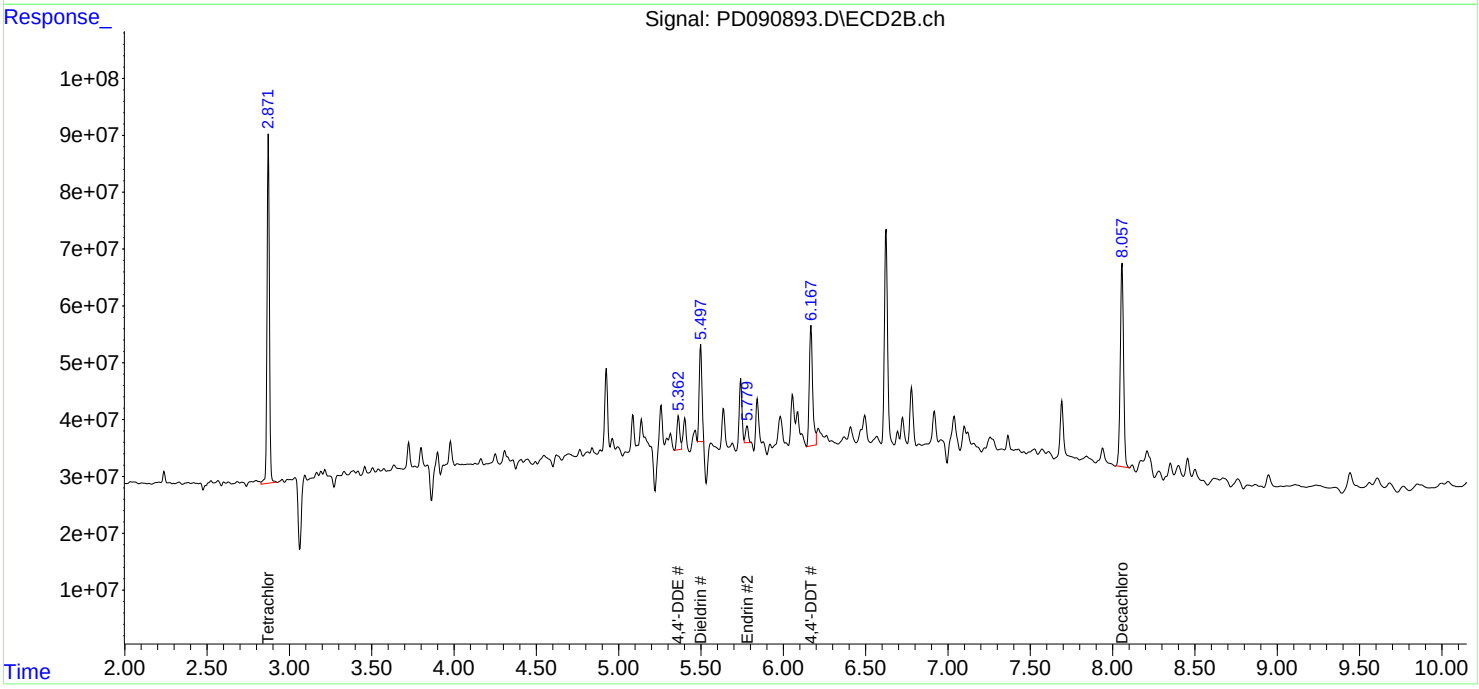
Instrument :
ECD_D
ClientSampleId :
B8-0.0-1.0-20251023

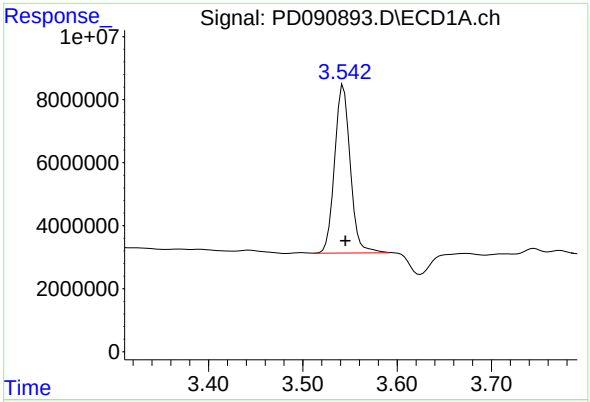
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/29/2025
Supervised By :Sohil Jodhani 10/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:46:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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







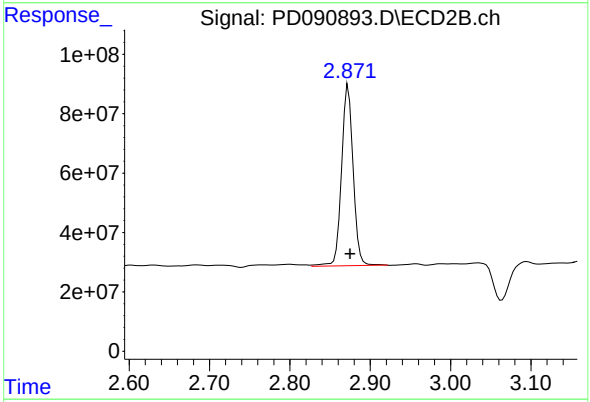
#1 Tetrachloro-m-xylene

R.T.: 3.542 min
Delta R.T.: -0.003 min
Response: 61645938
Conc: 19.80 ng/ml

Instrument :
ECD_D
ClientSampleId :
B8-0.0-1.0-20251023

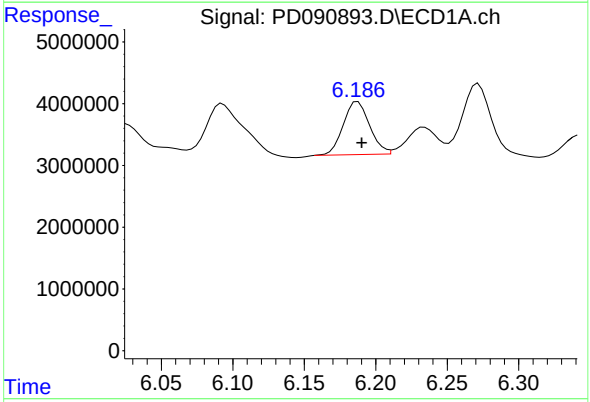
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/29/2025
Supervised By :Sohil Jodhani 10/29/2025



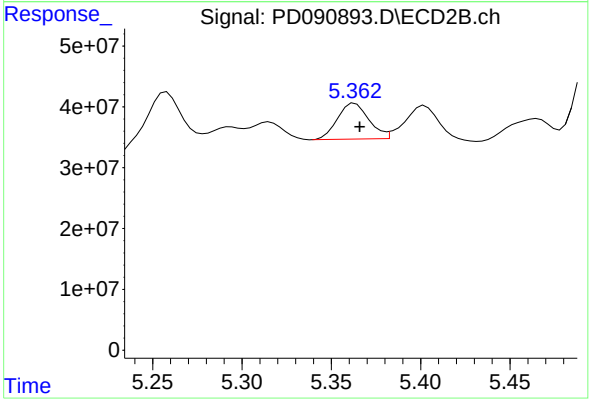
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.002 min
Response: 610089746
Conc: 20.49 ng/ml



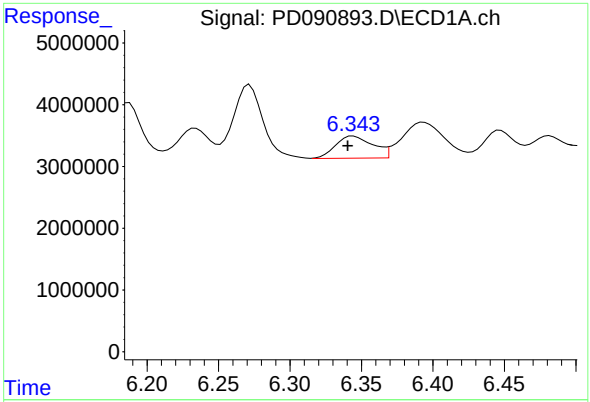
#12 4,4'-DDE

R.T.: 6.186 min
Delta R.T.: -0.004 min
Response: 10974014
Conc: 2.06 ng/ml m



#12 4,4'-DDE

R.T.: 5.363 min
Delta R.T.: -0.003 min
Response: 71822582
Conc: 1.64 ng/ml



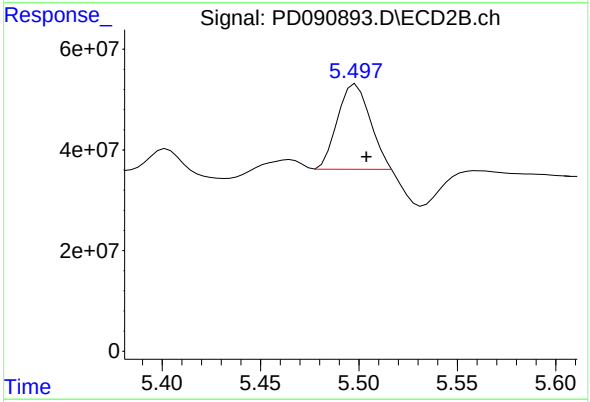
#13 Dieldrin

R.T.: 6.343 min
Delta R.T.: 0.002 min
Response: 6788963
Conc: 1.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
B8-0.0-1.0-20251023

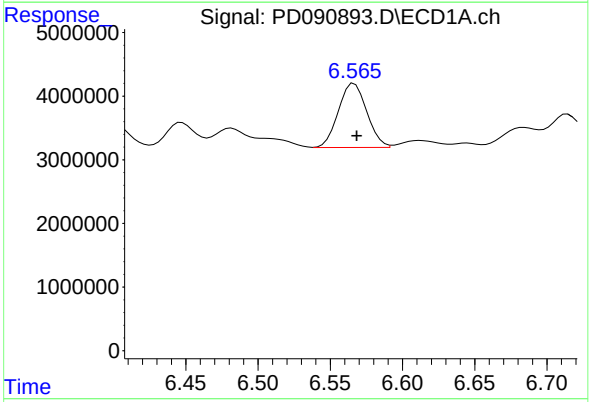
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/29/2025
Supervised By :Sohil Jodhani 10/29/2025



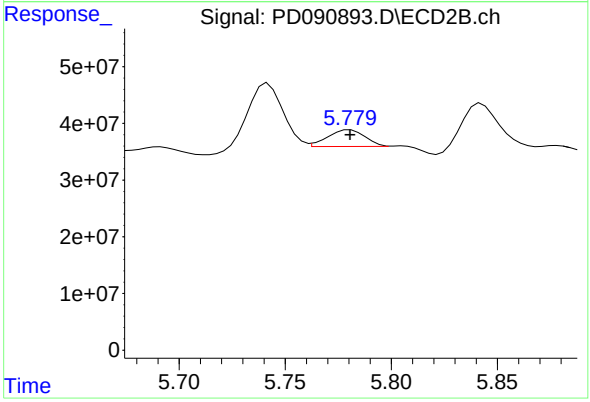
#13 Dieldrin

R.T.: 5.497 min
Delta R.T.: -0.007 min
Response: 196014773
Conc: 4.44 ng/ml m



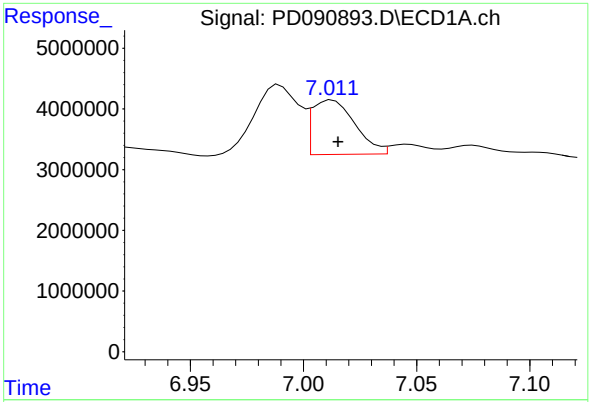
#14 Endrin

R.T.: 6.565 min
Delta R.T.: -0.003 min
Response: 13869953
Conc: 2.80 ng/ml m



#14 Endrin

R.T.: 5.779 min
Delta R.T.: -0.001 min
Response: 35558814
Conc: 0.88 ng/ml m



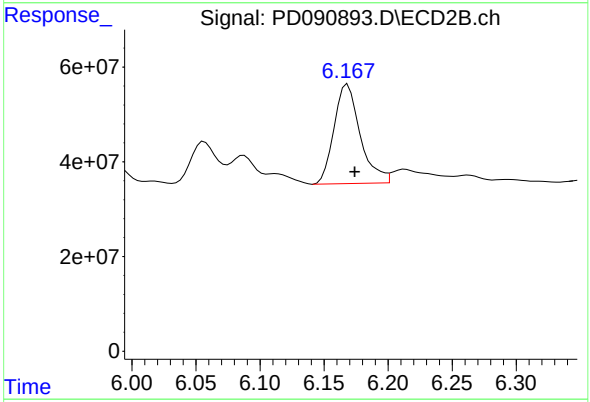
#17 4,4'-DDT

R.T.: 7.013 min
Delta R.T.: -0.002 min
Response: 11853626
Conc: 2.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
B8-0.0-1.0-20251023

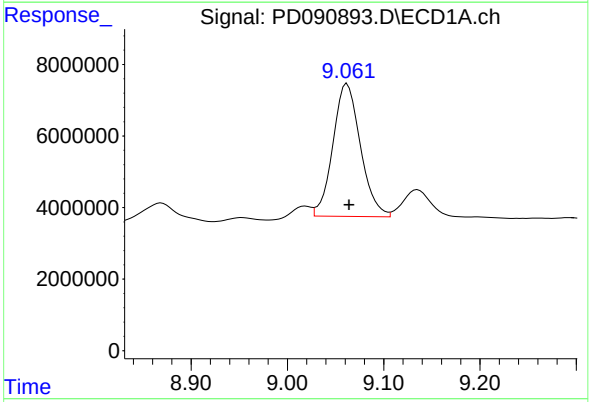
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/29/2025
Supervised By :Sohil Jodhani 10/29/2025



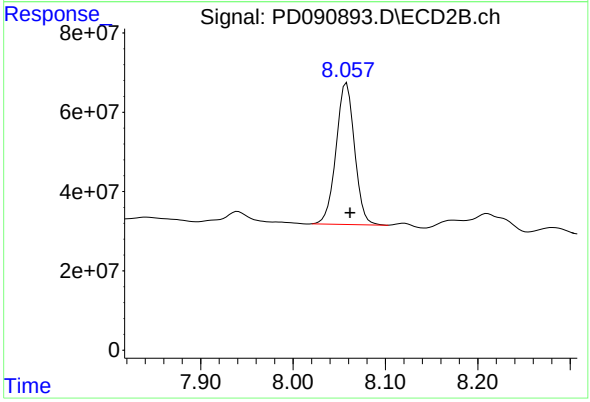
#17 4,4'-DDT

R.T.: 6.168 min
Delta R.T.: -0.006 min
Response: 299157703
Conc: 8.53 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.062 min
Delta R.T.: -0.002 min
Response: 73676133
Conc: 15.75 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.058 min
Delta R.T.: -0.004 min
Response: 496787354
Conc: 16.40 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102825\
Data File : PD090896.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 19:27
Operator : AR\AJ
Sample : Q3466-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
B9-0.0-1.0-20251023

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/29/2025
Supervised By :Sohil Jodhani 10/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:47:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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	2.873	57964616	553.6E6	18.613m	18.590
28)	SA Decachlor...	9.063	8.057	60041782	435.3E6	12.835	14.371
	Target Compounds						
8)	B Heptachlo...	5.680	4.861	7539947	49304698	1.302m	1.156
10)	B gamma-Chl...	5.938	5.113	18226282	108.5E6	3.073	2.413m
11)	B alpha-Chl...	6.022	5.178	52868142	122.9E6	8.554m	2.850m#
13)	MA Dieldrin	6.340	5.500	8182755	114.1E6	1.403	2.583m#
14)	MA Endrin	6.567	5.777	4115697	23246362	0.831m	0.574m#
17)	MA 4,4'-DDT	7.015	6.170	4235501	51663389	1.030	1.473 #

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

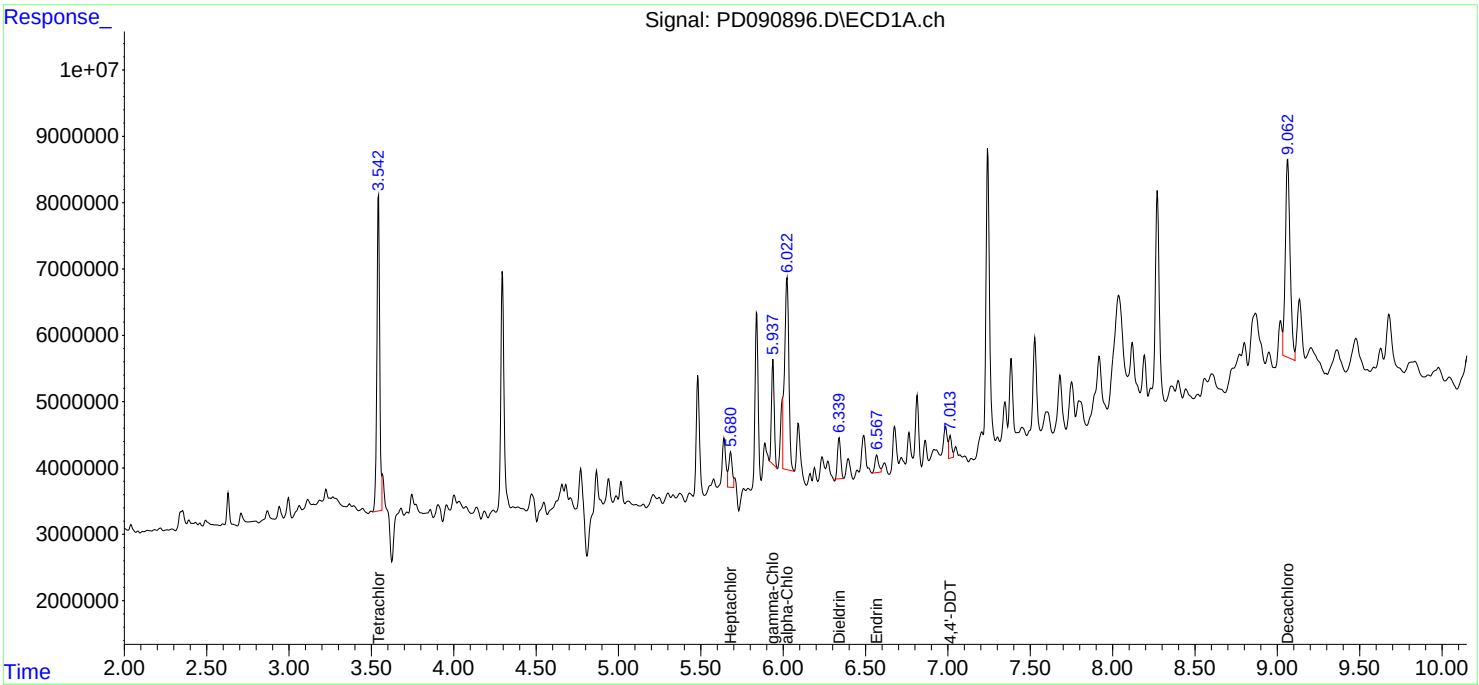
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102825\
Data File : PD090896.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 19:27
Operator : AR\AJ
Sample : Q3466-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

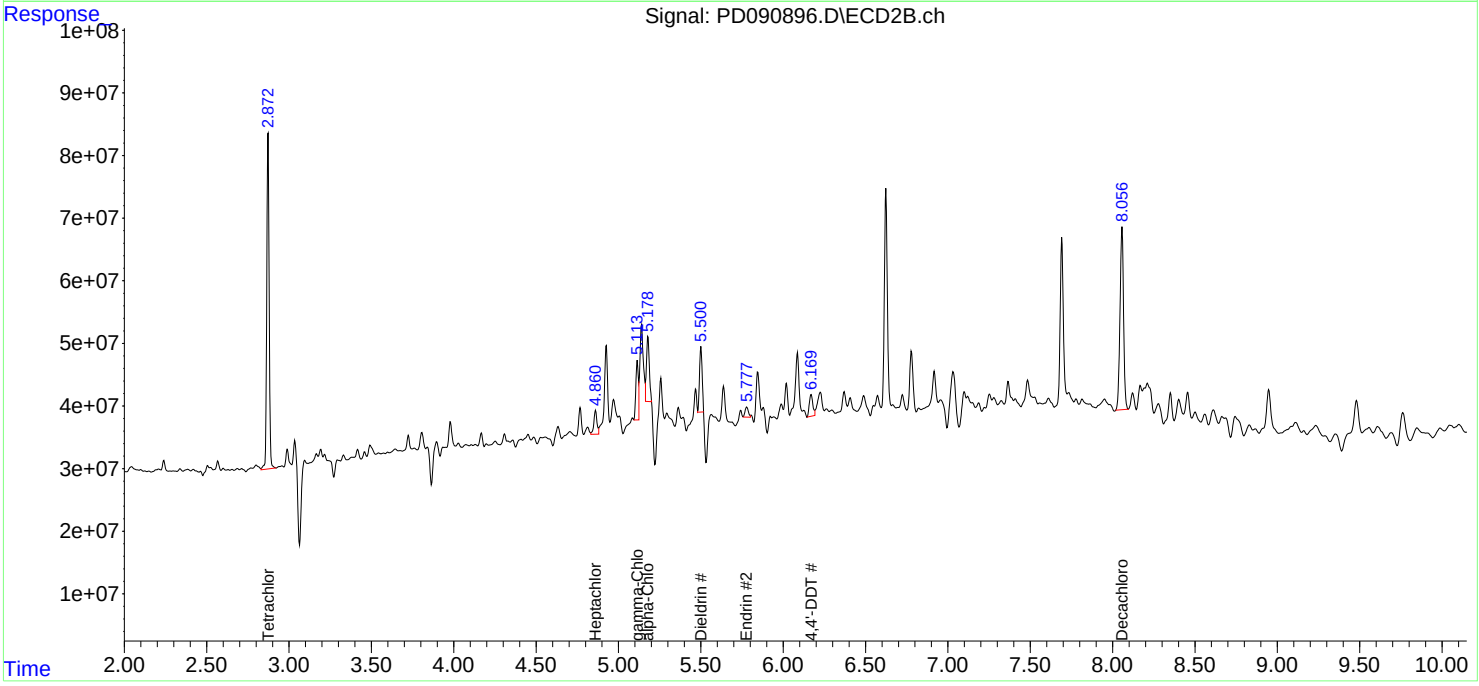
Instrument :
ECD_D
ClientSampleId :
B9-0.0-1.0-20251023

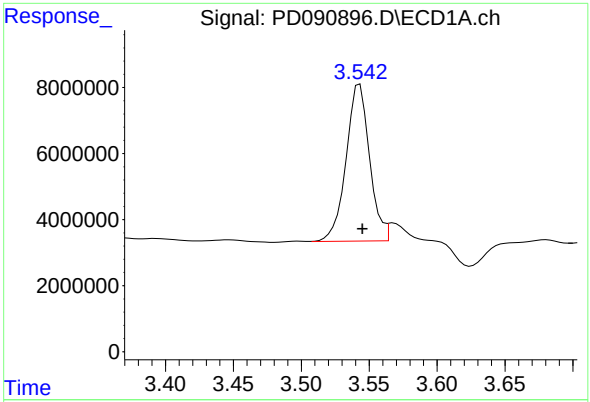
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/29/2025
Supervised By :Sohil Jodhani 10/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:47:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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







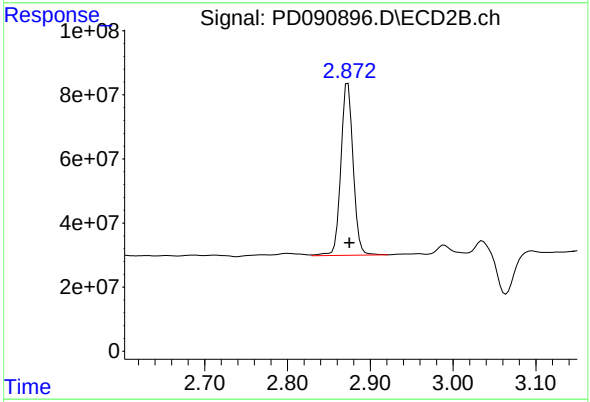
#1 Tetrachloro-m-xylene

R.T.: 3.542 min
Delta R.T.: -0.003 min
Response: 57964616
Conc: 18.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
B9-0.0-1.0-20251023

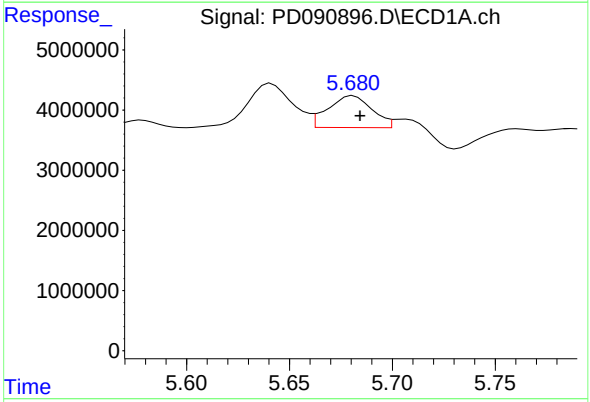
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/29/2025
Supervised By :Sohil Jodhani 10/29/2025



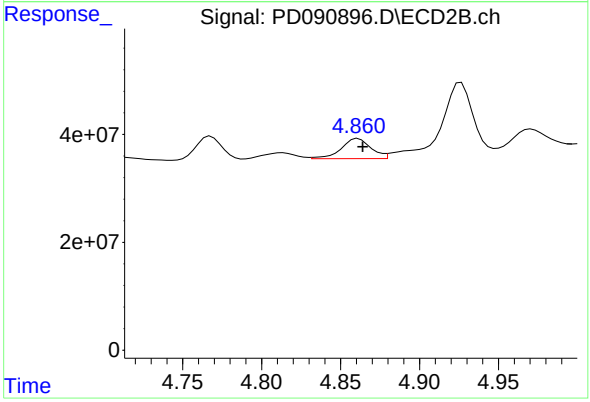
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.002 min
Response: 553564589
Conc: 18.59 ng/ml



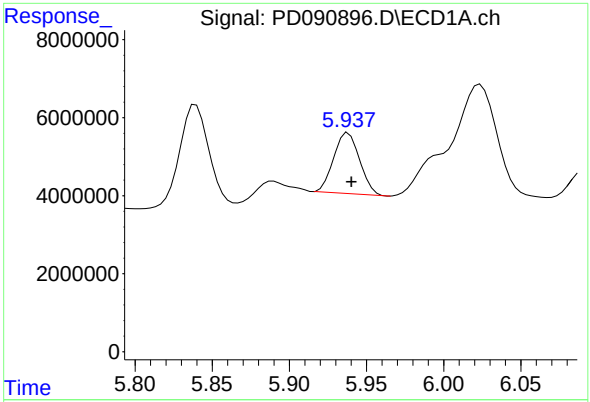
#8 Heptachlor epoxide

R.T.: 5.680 min
Delta R.T.: -0.005 min
Response: 7539947
Conc: 1.30 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.861 min
Delta R.T.: -0.003 min
Response: 49304698
Conc: 1.16 ng/ml



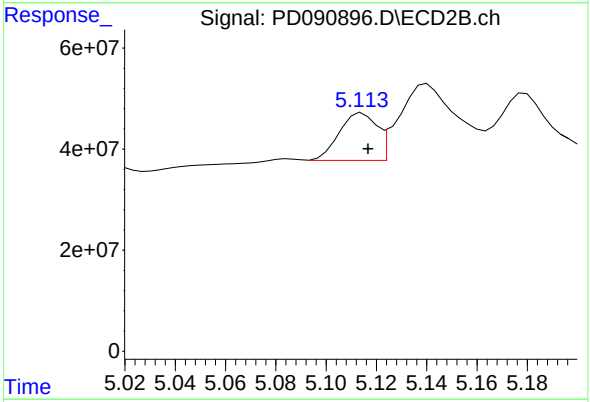
#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: -0.002 min
Response: 18226282
Conc: 3.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
B9-0.0-1.0-20251023

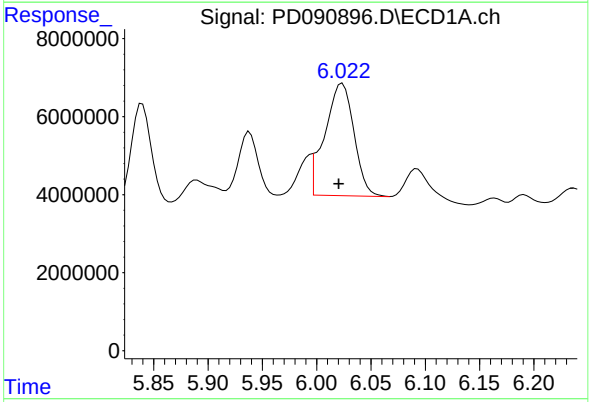
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/29/2025
Supervised By :Sohil Jodhani 10/29/2025



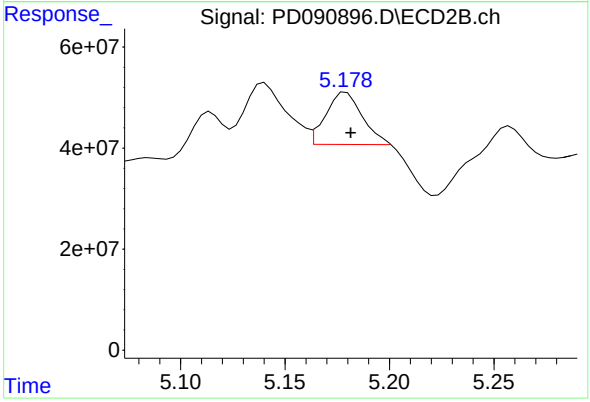
#10 gamma-Chlordane

R.T.: 5.113 min
Delta R.T.: -0.004 min
Response: 108454919
Conc: 2.41 ng/ml m



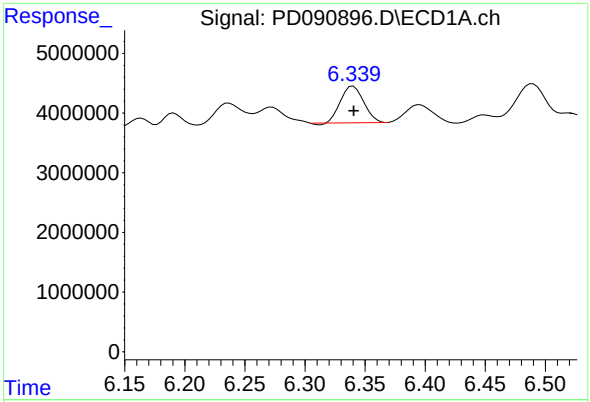
#11 alpha-Chlordane

R.T.: 6.022 min
Delta R.T.: 0.002 min
Response: 52868142
Conc: 8.55 ng/ml m



#11 alpha-Chlordane

R.T.: 5.178 min
Delta R.T.: -0.004 min
Response: 122928747
Conc: 2.85 ng/ml m



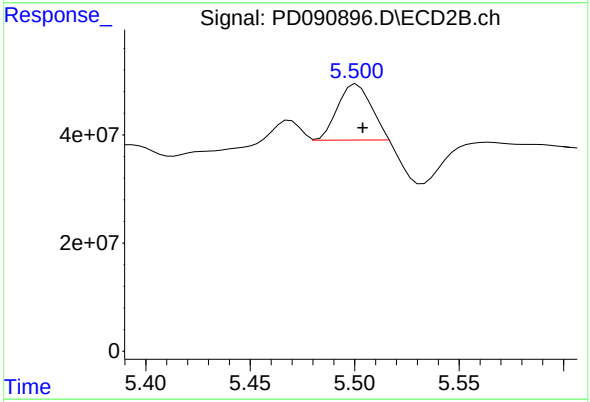
#13 Dieldrin

R.T.: 6.340 min
Delta R.T.: 0.000 min
Response: 8182755
Conc: 1.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
B9-0.0-1.0-20251023

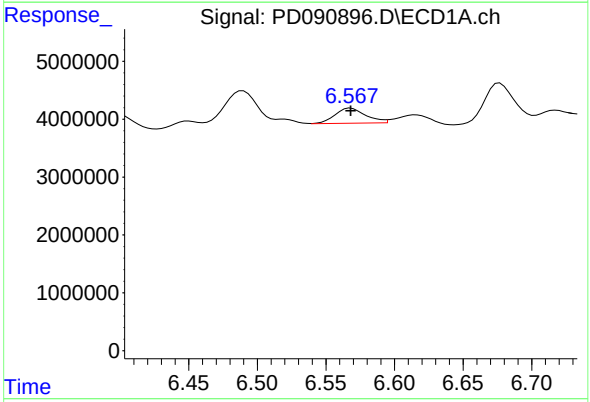
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/29/2025
Supervised By :Sohil Jodhani 10/29/2025



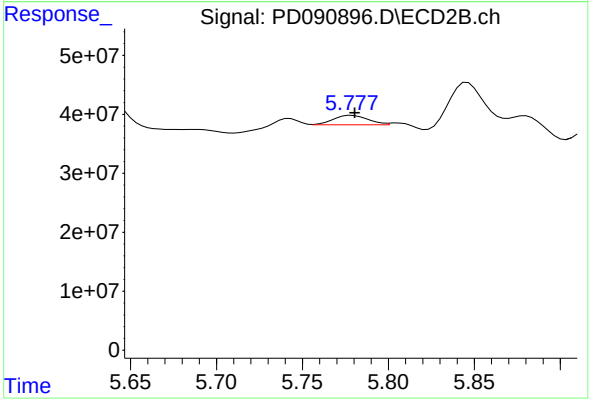
#13 Dieldrin

R.T.: 5.500 min
Delta R.T.: -0.004 min
Response: 114105285
Conc: 2.58 ng/ml m



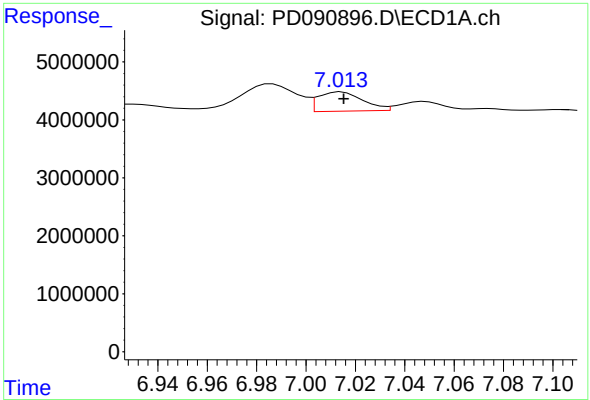
#14 Endrin

R.T.: 6.567 min
Delta R.T.: -0.001 min
Response: 4115697
Conc: 0.83 ng/ml m



#14 Endrin

R.T.: 5.777 min
Delta R.T.: -0.003 min
Response: 23246362
Conc: 0.57 ng/ml m



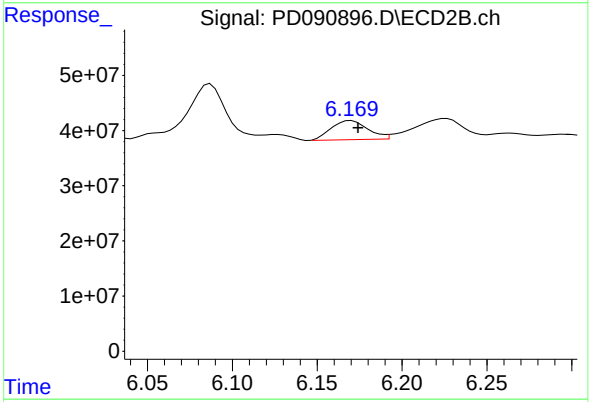
#17 4,4'-DDT

R.T.: 7.015 min
Delta R.T.: 0.000 min
Response: 4235501
Conc: 1.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
B9-0.0-1.0-20251023

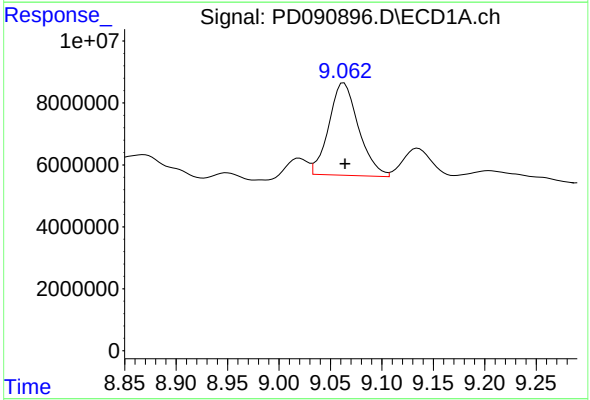
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/29/2025
Supervised By :Sohil Jodhani 10/29/2025



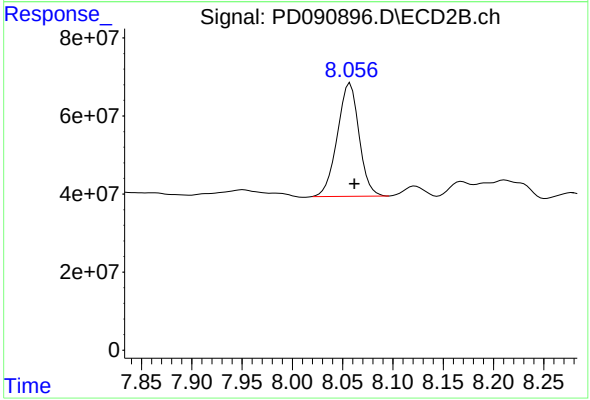
#17 4,4'-DDT

R.T.: 6.170 min
Delta R.T.: -0.004 min
Response: 51663389
Conc: 1.47 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.063 min
Delta R.T.: -0.001 min
Response: 60041782
Conc: 12.84 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.057 min
Delta R.T.: -0.004 min
Response: 435322583
Conc: 14.37 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102825\
Data File : PD090897.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 19:41
Operator : AR\AJ
Sample : Q3466-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
B7-1.0-2.0-20251023

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:47:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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...	3.543	2.873	41732172	410.1E6	13.401	13.773
28)	SA Decachlor...	9.062	8.058	54881875	297.1E6	11.732	9.808
	Target Compounds						

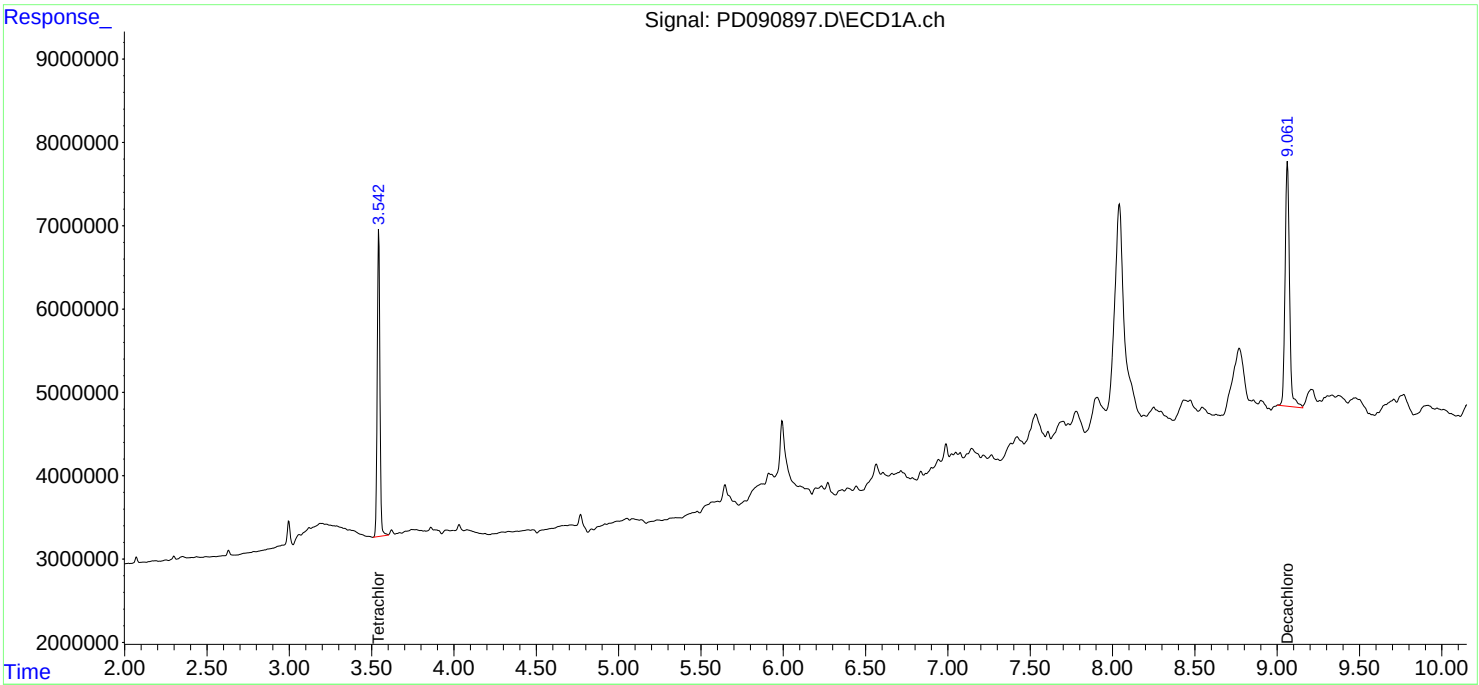
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

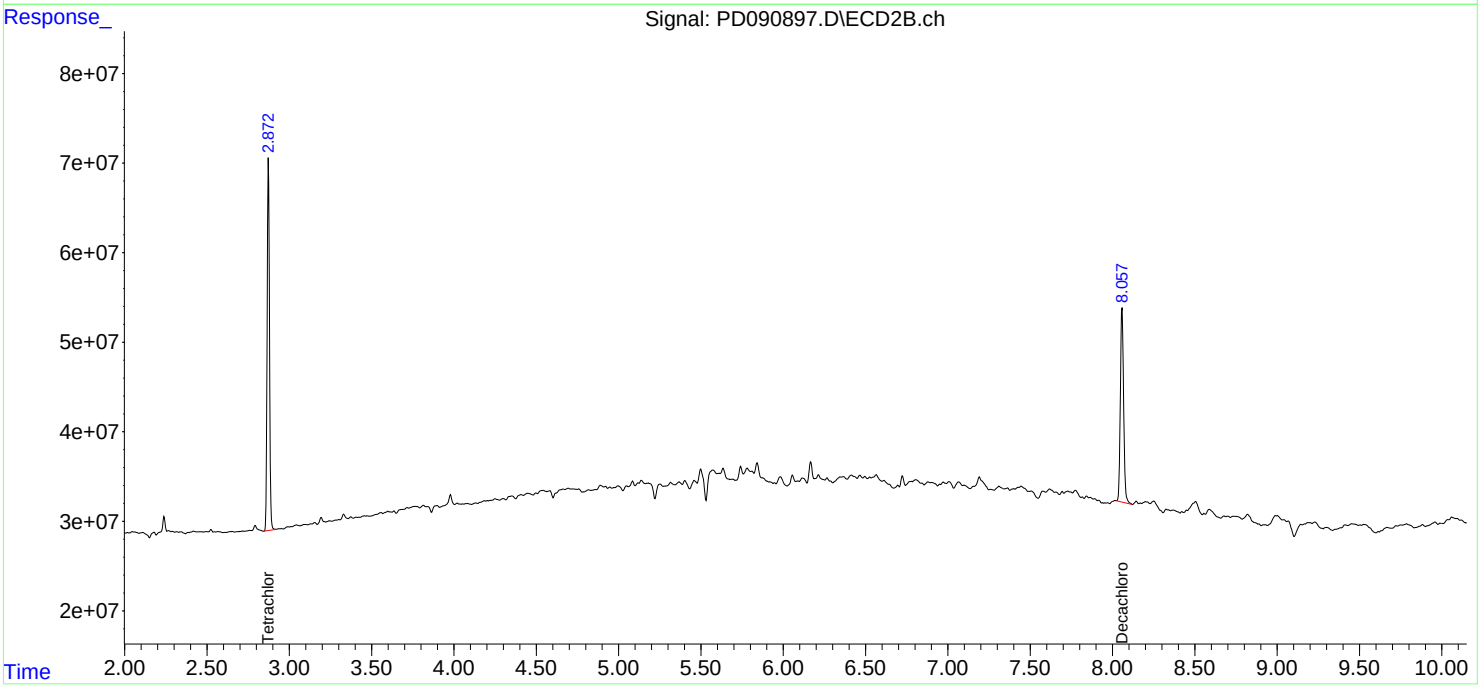
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102825\
Data File : PD090897.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 19:41
Operator : AR\AJ
Sample : Q3466-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

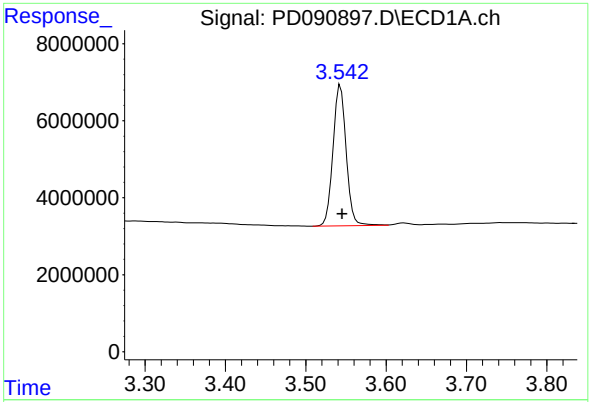
Instrument :
ECD_D
ClientSampleId :
B7-1.0-2.0-20251023

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:47:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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



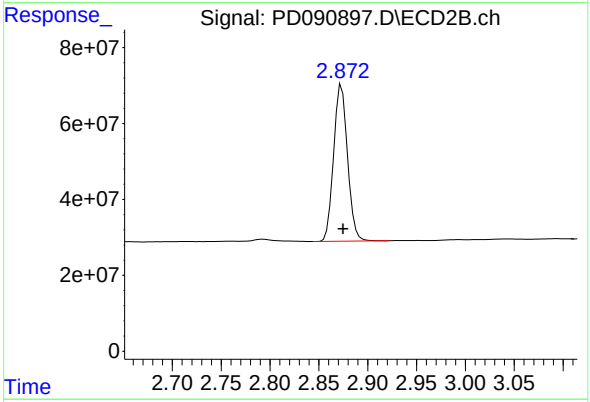




#1 Tetrachloro-m-xylene

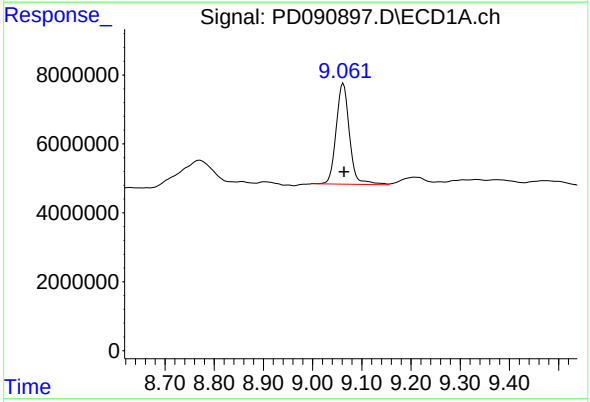
R.T.: 3.543 min
Delta R.T.: -0.002 min
Response: 41732172
Conc: 13.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
B7-1.0-2.0-20251023



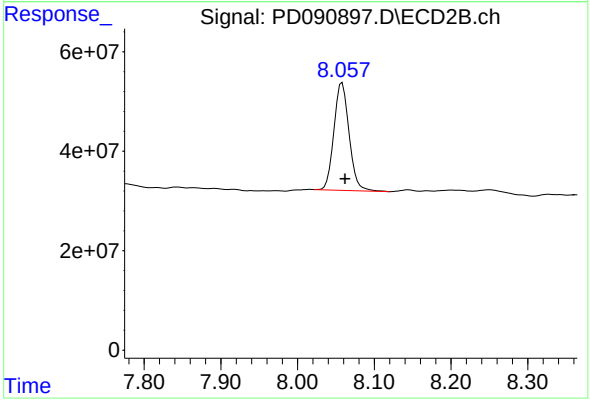
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.001 min
Response: 410109031
Conc: 13.77 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.062 min
Delta R.T.: -0.002 min
Response: 54881875
Conc: 11.73 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.058 min
Delta R.T.: -0.004 min
Response: 297100088
Conc: 9.81 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102825\
Data File : PD090881.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 14:35
Operator : AR\AJ
Sample : PB170283BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB170283BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:43:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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...	3.551	2.872	59925235	573.0E6	19.243	19.244
28)	SA Decachlor...	9.073	8.060	95959461	673.0E6	20.513	22.217
	Target Compounds						

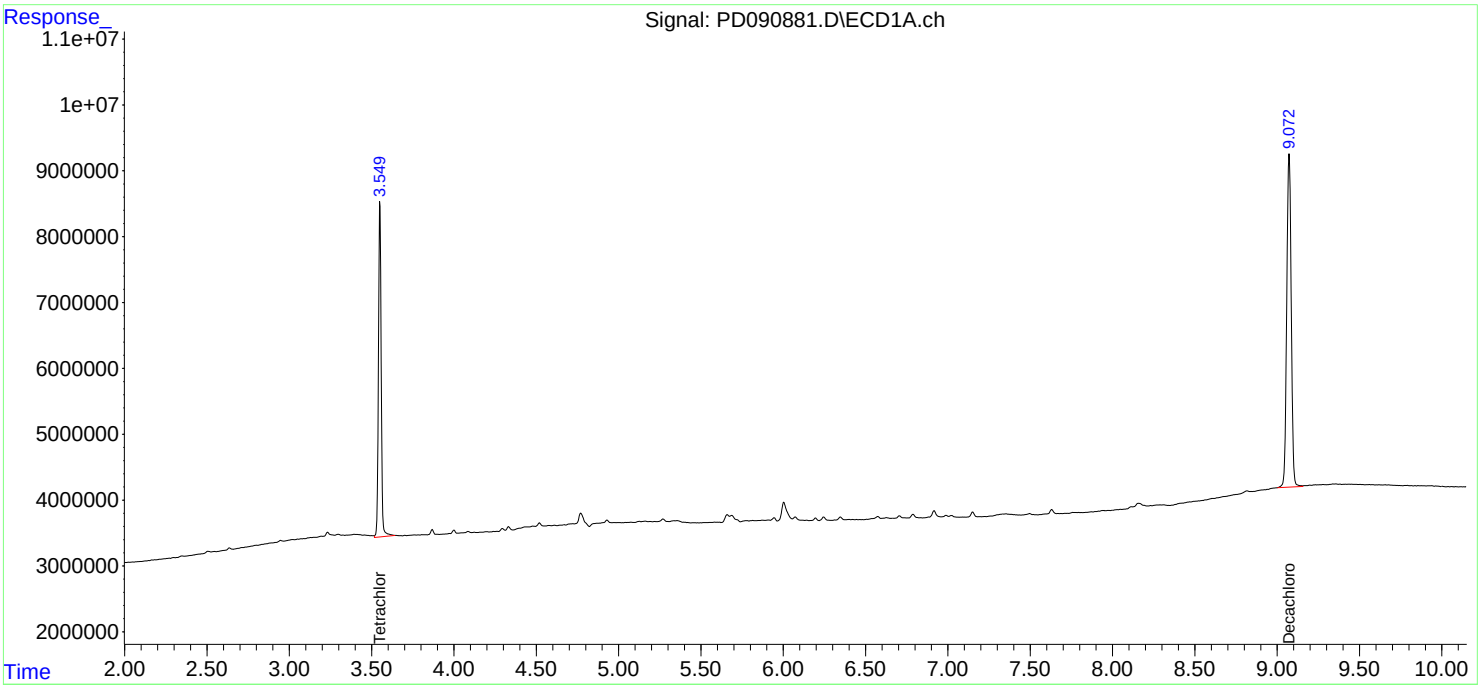
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

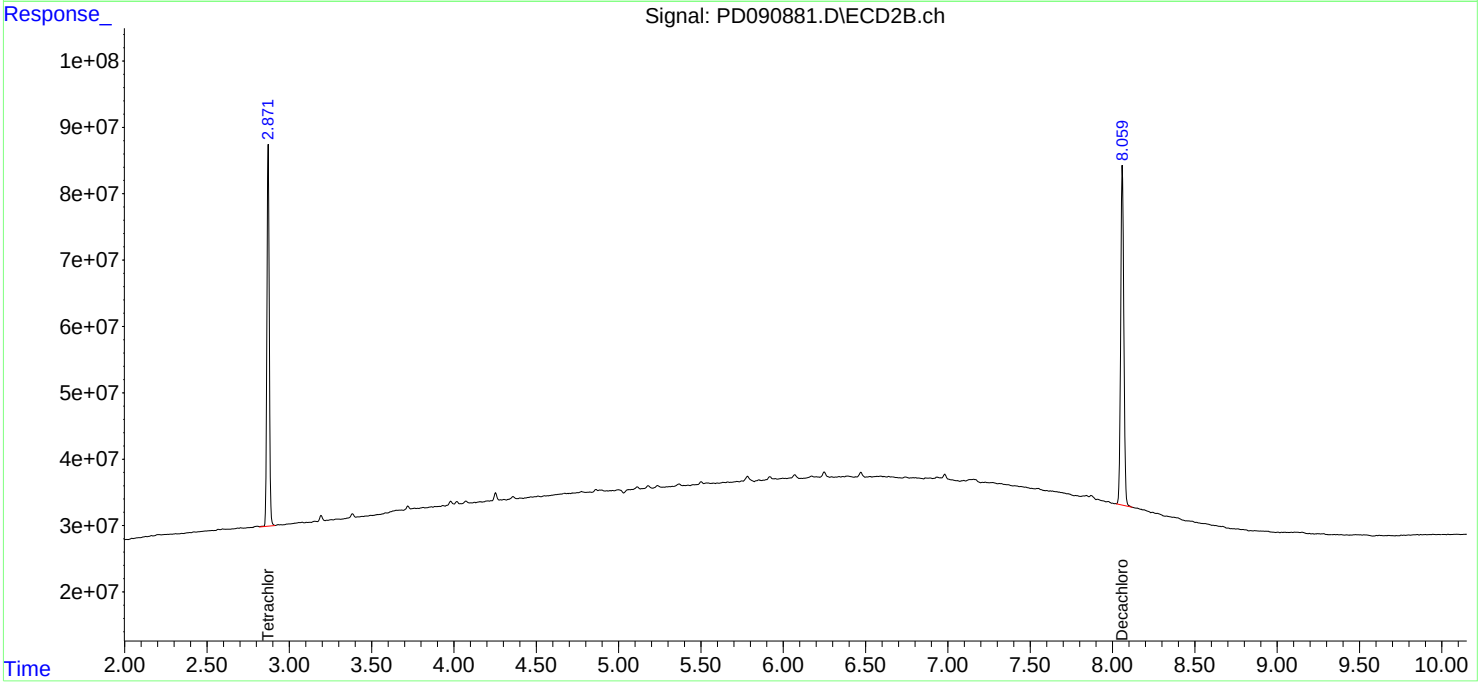
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102825\
Data File : PD090881.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 14:35
Operator : AR\AJ
Sample : PB170283BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

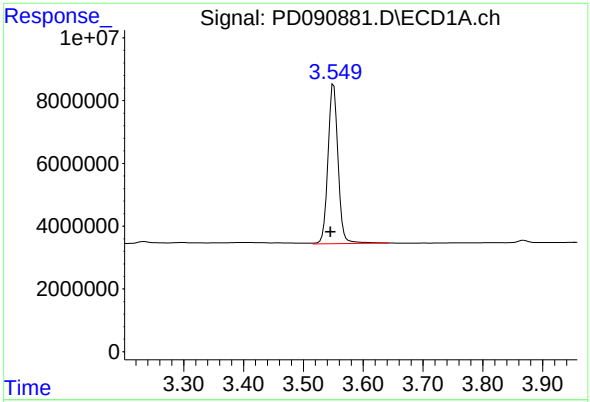
Instrument :
ECD_D
ClientSampleId :
PB170283BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:43:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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



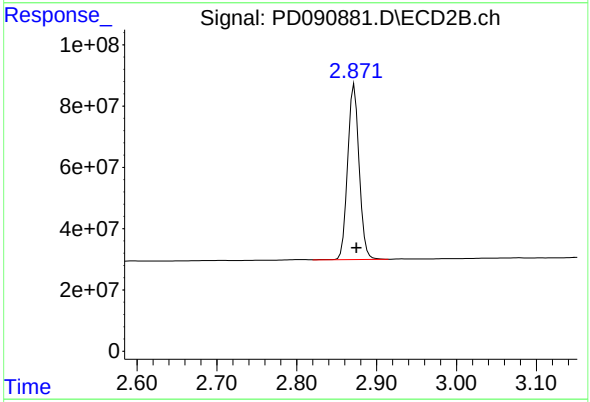




#1 Tetrachloro-m-xylene

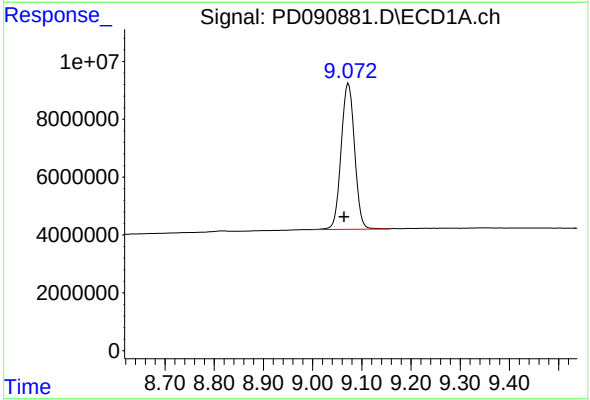
R.T.: 3.551 min
Delta R.T.: 0.006 min
Response: 59925235
Conc: 19.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170283BL



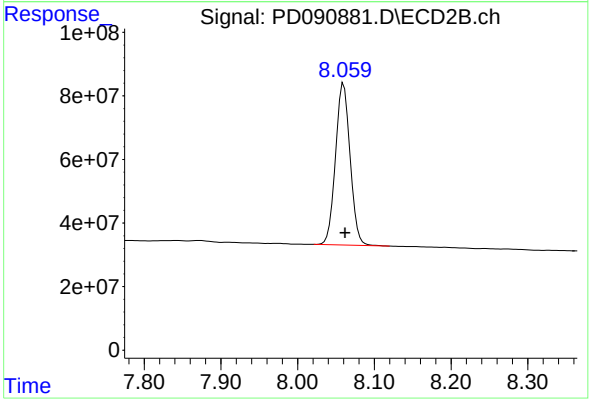
#1 Tetrachloro-m-xylene

R.T.: 2.872 min
Delta R.T.: -0.003 min
Response: 573030342
Conc: 19.24 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: 0.009 min
Response: 95959461
Conc: 20.51 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.002 min
Response: 672975626
Conc: 22.22 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102825\
Data File : PD090885.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 16:16
Operator : AR\AJ
Sample : PB170283BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB170283BS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/29/2025
Supervised By :Sohil Jodhani 10/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:44:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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...	3.549	2.873	46004532	444.0E6	14.773	14.910
28)	SA Decachlor...	9.070	8.061	91319434	658.9E6	19.521	21.751
	Target Compounds						
2)	A alpha-BHC	3.999	3.385	340.5E6	2292.9E6	47.443	44.874
3)	MA gamma-BHC...	4.330	3.722	319.4E6	2122.7E6	46.982	44.926
4)	MA Heptachlor	4.928	4.074	312.6E6	2058.8E6	55.923	46.159
5)	MB Aldrin	5.269	4.359	312.8E6	2089.9E6	47.778	45.121
6)	B beta-BHC	4.518	4.018	120.9E6	884.7E6	46.154	44.617
7)	B delta-BHC	4.766	4.254	324.4E6	2164.9E6	47.972	45.370
8)	B Heptachlo...	5.688	4.863	279.9E6	1923.7E6	48.344m	45.116
9)	A Endosulfan I	6.073	5.237	265.8E6	1781.2E6	48.002	45.219
10)	B gamma-Chl...	5.945	5.116	283.8E6	2062.8E6	47.851	45.892
11)	B alpha-Chl...	6.026	5.181	297.7E6	1980.4E6	48.172	45.910
12)	B 4,4'-DDE	6.195	5.365	253.3E6	2025.4E6	47.545	46.203
13)	MA Dieldrin	6.346	5.503	284.5E6	2053.2E6	48.790	46.470
14)	MA Endrin	6.573	5.780	231.0E6	1844.6E6	46.638	45.553
15)	B Endosulfa...	6.785	6.070	239.3E6	1773.9E6	47.864	47.234
16)	A 4,4'-DDD	6.705	5.919	210.5E6	1801.8E6	51.933	49.449
17)	MA 4,4'-DDT	7.020	6.173	194.1E6	1623.6E6	47.230	46.291
18)	B Endrin al...	6.915	6.249	180.3E6	1337.3E6	49.220	48.290
19)	B Endosulfa...	7.149	6.473	222.4E6	1728.8E6	47.948	48.230
20)	A Methoxychlor	7.493	6.744	101.4E6	819.7E6	47.697	47.032
21)	B Endrin ke...	7.630	6.982	245.7E6	1923.4E6	50.560	50.995
22)	Mirex	8.112	7.175	164.2E6	1379.4E6	51.313	53.693

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

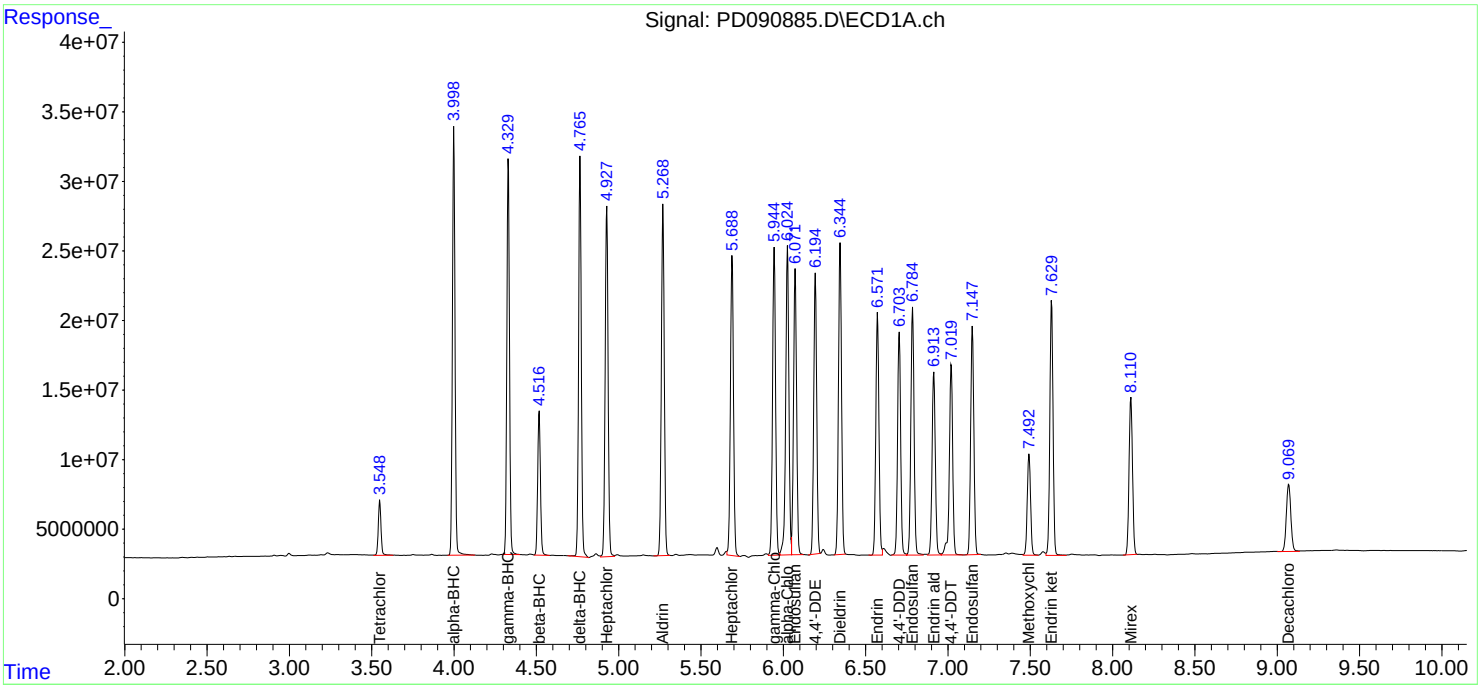
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102825\
Data File : PD090885.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 16:16
Operator : AR\AJ
Sample : PB170283BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

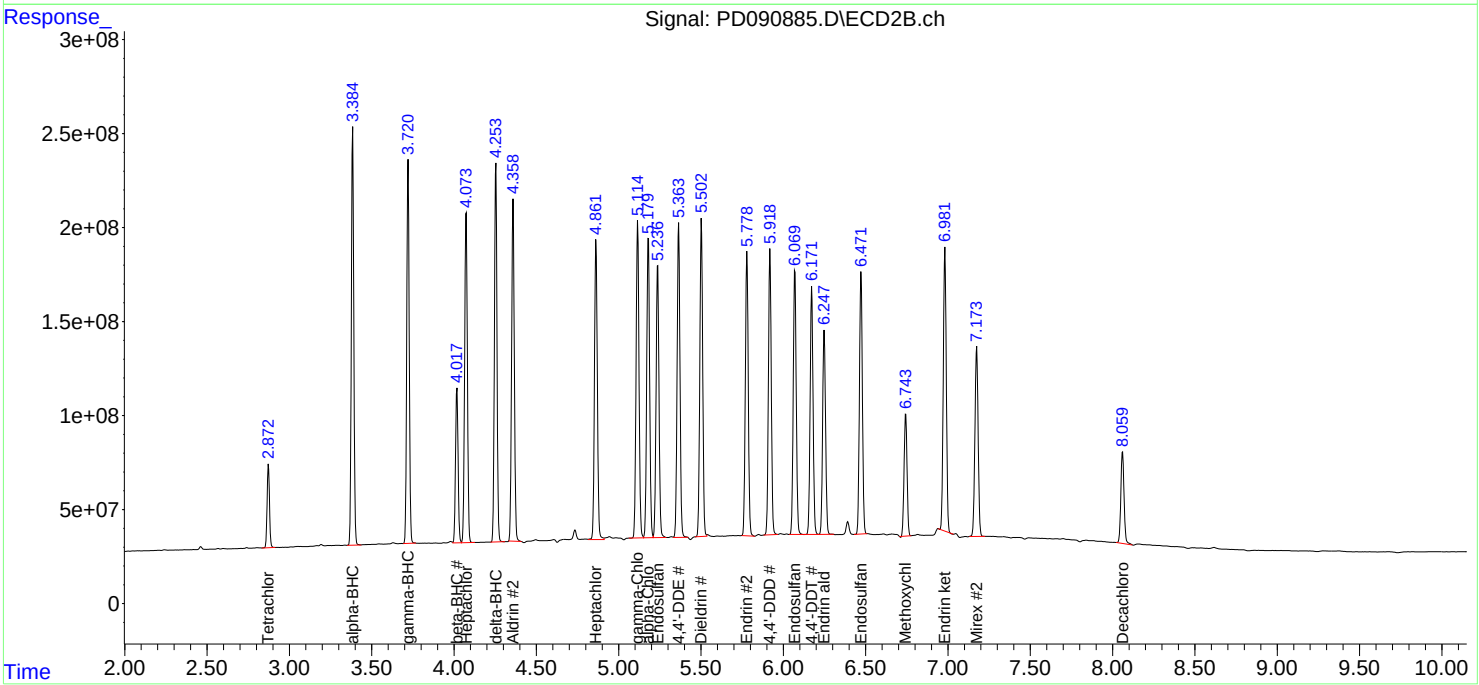
Instrument :
ECD_D
ClientSampleId :
PB170283BS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/29/2025
Supervised By :Sohil Jodhani 10/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:44:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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\PD102825\
Data File : PD090894.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 19:00
Operator : AR\AJ
Sample : Q3466-02MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
B8-0.0-1.0-20251023MS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/29/2025
Supervised By :Sohil Jodhani 10/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:46:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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	2.873	56251685	569.6E6	18.063m	19.128
28)	SA Decachlor...	9.062	8.057	70493079	456.2E6	15.069	15.061
	Target Compounds						
2)	A alpha-BHC	3.993	3.385	356.0E6	2402.3E6	49.603	47.016
3)	MA gamma-BHC...	4.322	3.721	327.2E6	2160.3E6	48.119m	45.721
4)	MA Heptachlor	4.921	4.073	324.7E6	2182.3E6	58.085	48.927
5)	MB Aldrin	5.263	4.358	318.9E6	2112.2E6	48.715	45.600
6)	B beta-BHC	4.511	4.017	116.1E6	962.1E6	44.306	48.520
7)	B delta-BHC	4.759	4.253	338.2E6	2217.2E6	50.019	46.467
8)	B Heptachlo...	5.682	4.861	285.2E6	1956.7E6	49.268	45.889
9)	A Endosulfan I	6.066	5.236	269.9E6	1678.5E6	48.742	42.612
10)	B gamma-Chl...	5.936	5.114	279.4E6	2220.9E6	47.101m	49.410
11)	B alpha-Chl...	6.019	5.179	291.2E6	2053.7E6	47.126	47.607
12)	B 4,4'-DDE	6.189	5.363	249.7E6	2063.4E6	46.874	47.068
13)	MA Dieldrin	6.339	5.501	281.8E6	2213.2E6	48.332	50.090
14)	MA Endrin	6.566	5.776	243.6E6	1878.1E6	49.181	46.380m
15)	B Endosulfa...	6.779	6.069	235.5E6	1918.1E6	47.101	51.073
16)	A 4,4'-DDD	6.698	5.918	214.7E6	1612.1E6	52.949	44.242
17)	MA 4,4'-DDT	7.014	6.171	223.5E6	1881.1E6	54.361	53.633
18)	B Endrin al...	6.908	6.248	178.1E6	1328.4E6	48.627	47.971
19)	B Endosulfa...	7.142	6.471	217.3E6	1704.3E6	46.854	47.546
20)	A Methoxychlor	7.487	6.742	103.0E6	765.4E6	48.475	43.917
21)	B Endrin ke...	7.623	6.980	241.6E6	1679.4E6	49.725	44.525
22)	Mirex	8.104	7.171	147.6E6	1143.8E6	46.113m	44.522m

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

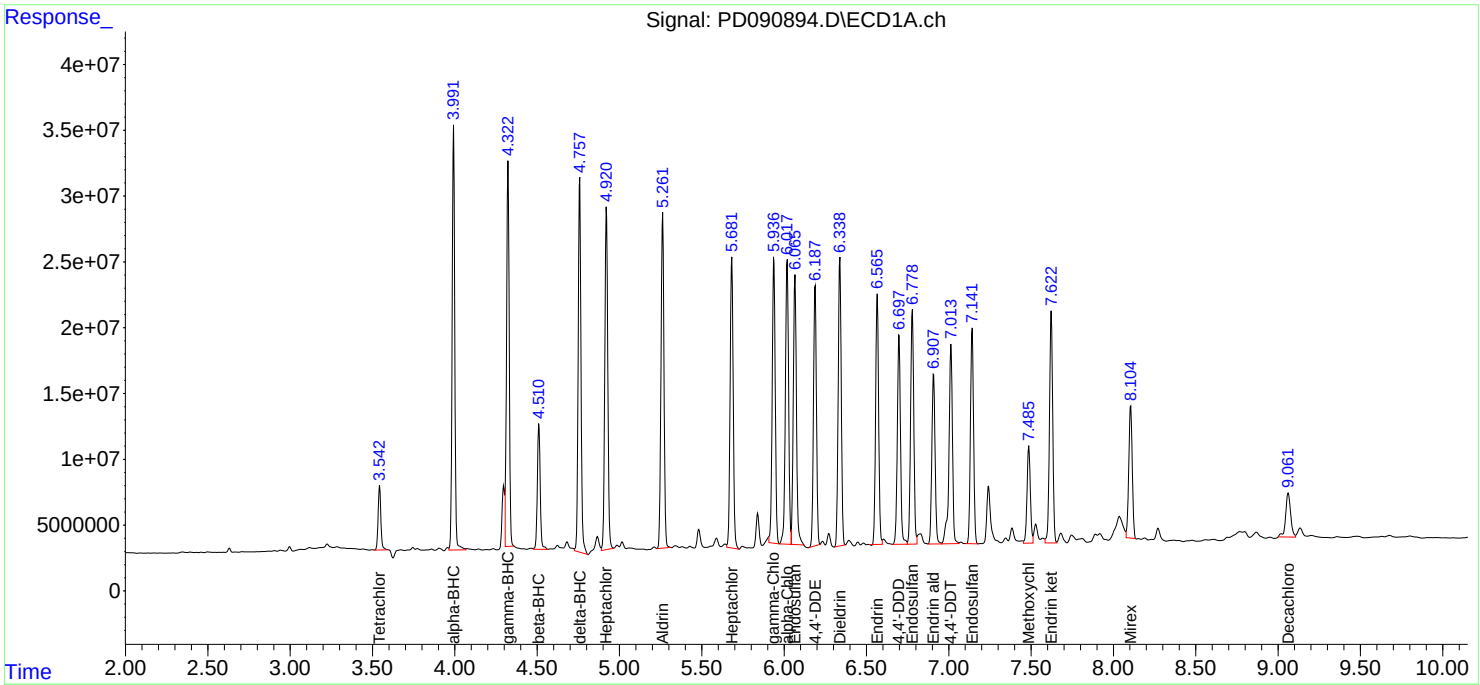
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102825\
Data File : PD090894.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 19:00
Operator : AR\AJ
Sample : Q3466-02MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

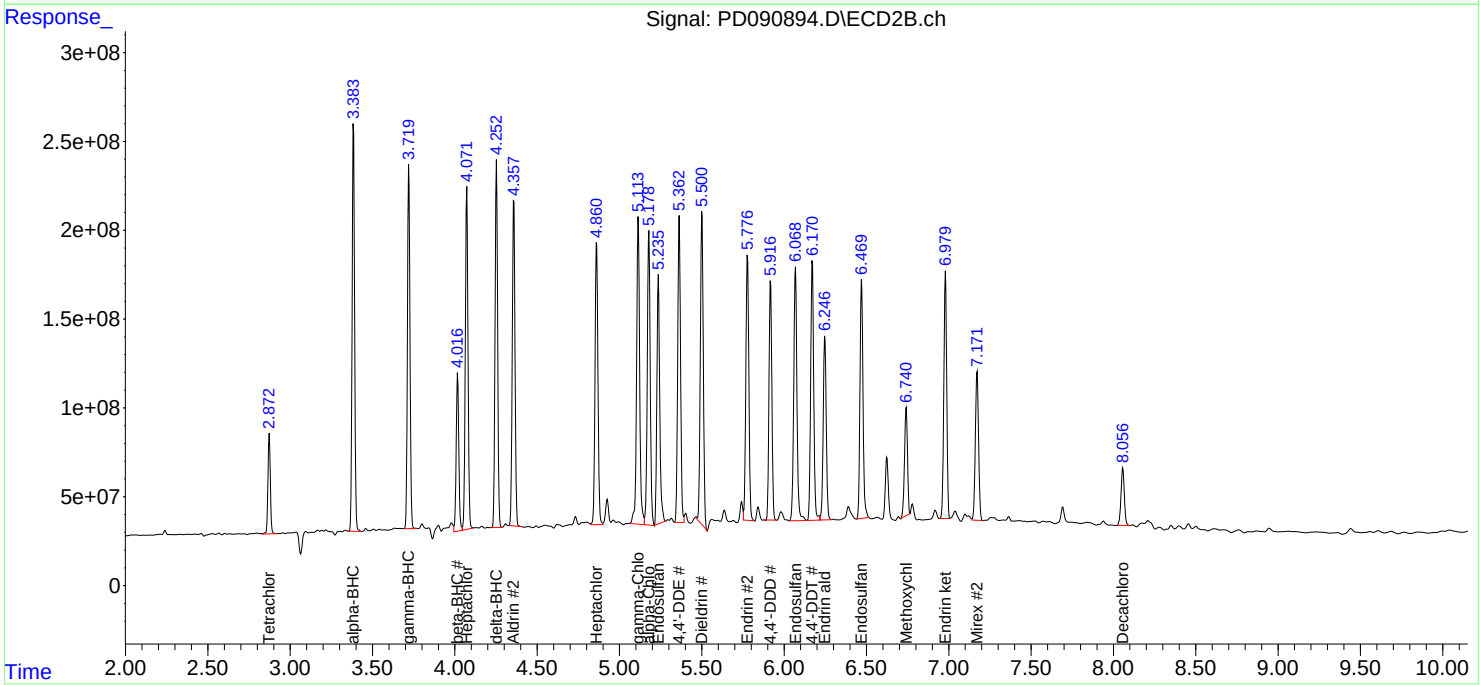
Instrument :
ECD_D
ClientSampleId :
B8-0.0-1.0-20251023MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/29/2025
Supervised By :Sohil Jodhani 10/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:46:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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\PD102825\
Data File : PD090895.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 19:14
Operator : AR\AJ
Sample : Q3466-02MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
B8-0.0-1.0-20251023MSD

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/29/2025
Supervised By :Sohil Jodhani 10/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:46:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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	2.873	59990670	605.0E6	19.264m	20.317
28)	SA Decachlor...	9.062	8.058	69061444	461.5E6	14.763	15.236
	Target Compounds						
2)	A alpha-BHC	3.993	3.385	380.8E6	2570.5E6	53.053	50.307
3)	MA gamma-BHC...	4.322	3.721	355.8E6	2298.7E6	52.331m	48.652
4)	MA Heptachlor	4.921	4.073	346.3E6	2326.5E6	61.956	52.160
5)	MB Aldrin	5.262	4.358	339.4E6	2238.2E6	51.840	48.323
6)	B beta-BHC	4.511	4.017	122.2E6	1027.0E6	46.640	51.791
7)	B delta-BHC	4.759	4.253	358.6E6	2352.0E6	53.028	49.291
8)	B Heptachlo...	5.683	4.862	304.2E6	2068.0E6	52.540	48.501
9)	A Endosulfan I	6.067	5.237	287.6E6	1771.9E6	51.937	44.983
10)	B gamma-Chl...	5.937	5.115	296.2E6	2347.7E6	49.944m	52.230
11)	B alpha-Chl...	6.019	5.179	313.4E6	2169.5E6	50.707	50.293
12)	B 4,4'-DDE	6.189	5.364	264.0E6	2177.9E6	49.571	49.679
13)	MA Dieldrin	6.339	5.501	298.2E6	2336.0E6	51.134	52.870
14)	MA Endrin	6.566	5.777	258.5E6	1963.6E6	52.181	48.490m
15)	B Endosulfa...	6.779	6.070	249.1E6	1995.6E6	49.822	53.137
16)	A 4,4'-DDD	6.698	5.919	226.5E6	1676.2E6	55.871	46.001
17)	MA 4,4'-DDT	7.013	6.171	238.7E6	1955.6E6	58.082	55.758
18)	B Endrin al...	6.908	6.248	187.6E6	1396.9E6	51.225	50.443
19)	B Endosulfa...	7.143	6.471	227.7E6	1766.6E6	49.102	49.284
20)	A Methoxychlor	7.486	6.742	108.1E6	805.8E6	50.852	46.235
21)	B Endrin ke...	7.622	6.980	255.1E6	1733.1E6	52.508	45.949
22)	Mirex	8.103	7.172	153.1E6	1147.9E6	47.822m	44.682

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

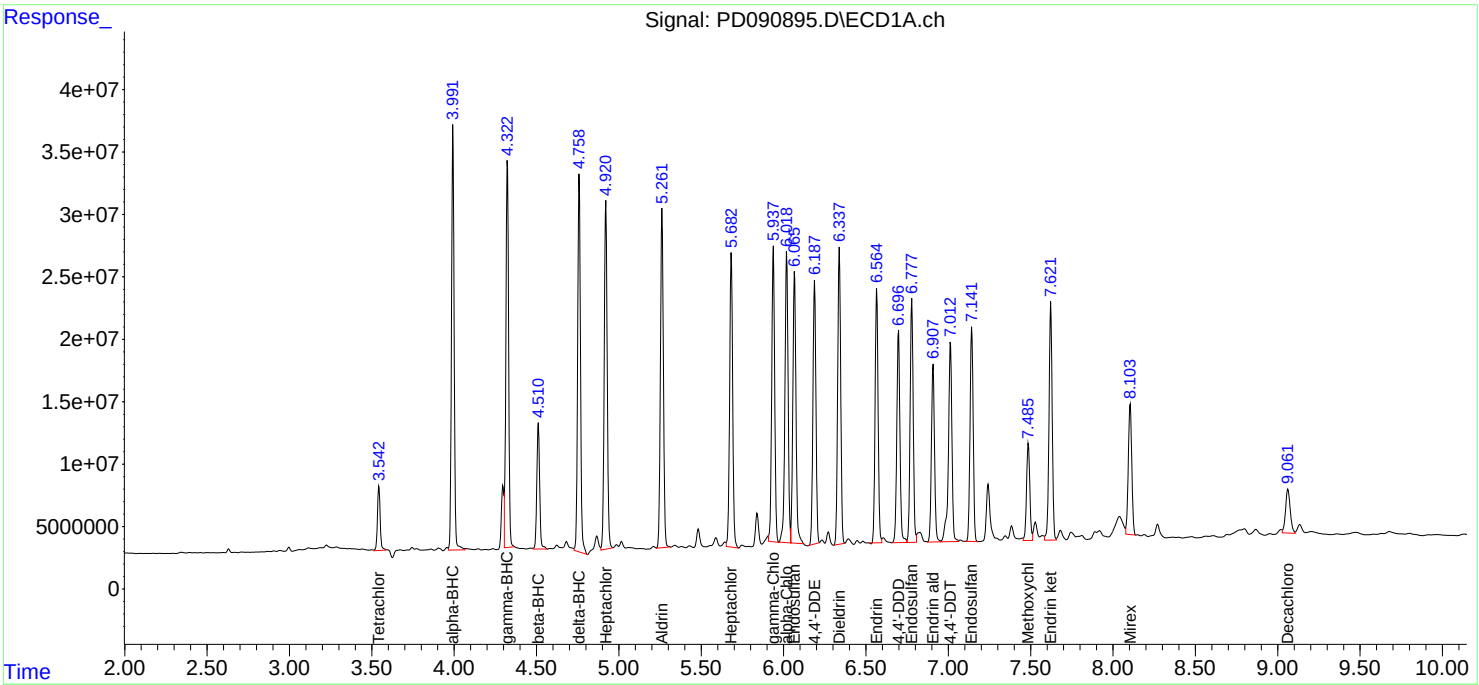
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102825\
Data File : PD090895.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 19:14
Operator : AR\AJ
Sample : Q3466-02MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

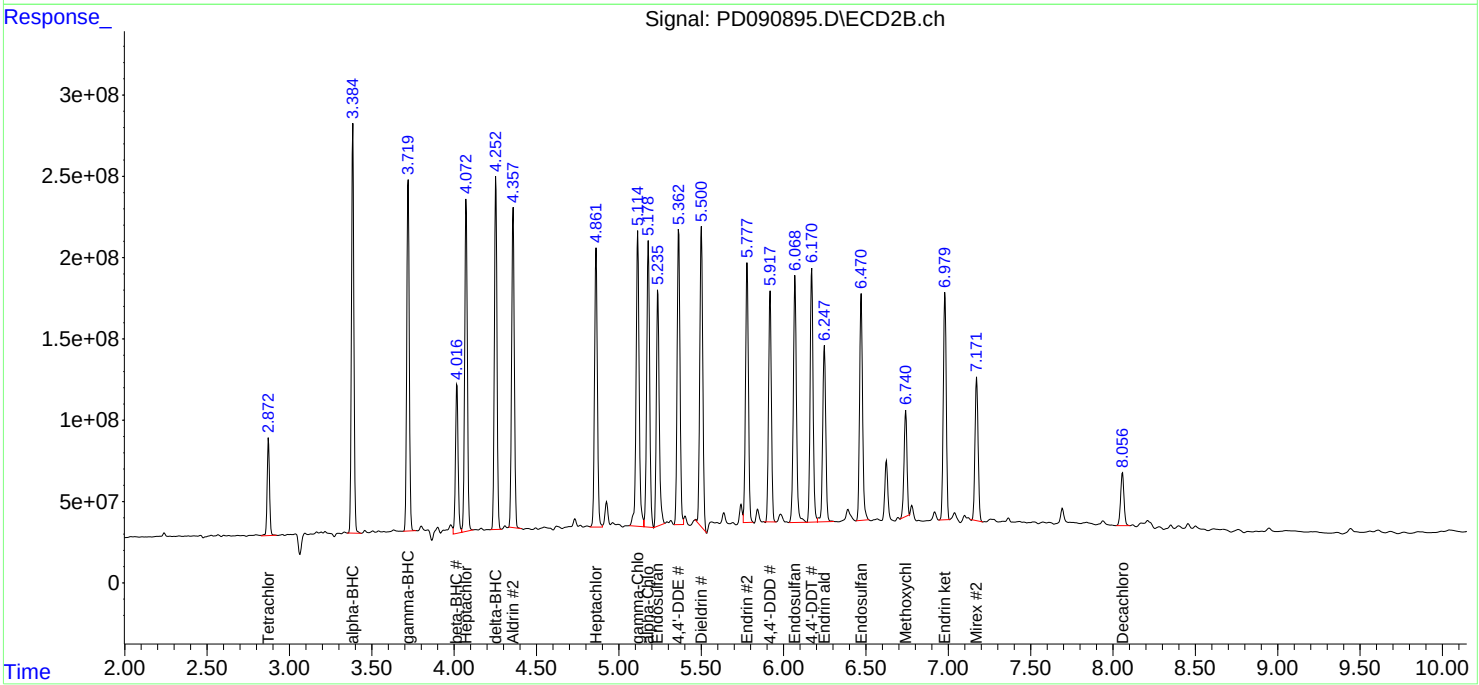
Instrument :
ECD_D
ClientSampleId :
B8-0.0-1.0-20251023MSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/29/2025
Supervised By :Sohil Jodhani 10/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:46:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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:	pd101725	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD090648.D	Endrin aldehyde	Abdul	10/19/2025 5:20:46 PM	mohammad	10/24/2025 1:04:58	Peak Integrated by Software
PEM	PD090648.D	Endrin ketone #2	Abdul	10/19/2025 5:20:46 PM	mohammad	10/24/2025 1:04:58	Peak Integrated by Software
RESCHK	PD090649.D	Tetrachloro-m-xylene	Abdul	10/19/2025 5:20:37 PM	mohammad	10/24/2025 1:04:58	Peak Integrated by Software
PSTDICC005	PD090654.D	alpha-Chlordane	Abdul	10/19/2025 5:19:40 PM	mohammad	10/24/2025 1:04:58	Peak Integrated by Software
PSTDICC005	PD090654.D	Endrin ketone	Abdul	10/19/2025 5:19:40 PM	mohammad	10/24/2025 1:04:58	Peak Integrated by Software
PSTDICC005	PD090654.D	Tetrachloro-m-xylene	Abdul	10/19/2025 5:19:40 PM	mohammad	10/24/2025 1:04:58	Peak Integrated by Software
PTOXICV500	PD090667.D	Toxaphene-5 #2	Abdul	10/21/2025 8:49:16 AM	mohammad	10/24/2025 1:04:58	Peak Integrated by Software
PEM	PD090669.D	4,4"-DDD	Abdul	10/21/2025 8:49:12 AM	mohammad	10/24/2025 1:04:58	Peak Integrated by Software
PEM	PD090669.D	4,4"-DDD #2	Abdul	10/21/2025 8:49:12 AM	mohammad	10/24/2025 1:04:58	Peak Integrated by Software
PEM	PD090669.D	Endrin aldehyde	Abdul	10/21/2025 8:49:12 AM	mohammad	10/24/2025 1:04:58	Peak Integrated by Software

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Manual Integration Report

Sequence:	pd102825	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD090868.D	4,4"-DDE	Abdul	10/29/2025 8:14:23 AM	Sohil	10/29/2025 4:12:45	Peak Integrated by Software
PEM	PD090868.D	4,4"-DDE #2	Abdul	10/29/2025 8:14:23 AM	Sohil	10/29/2025 4:12:45	Peak Integrated by Software
PSTDCCC050	PD090880.D	beta-BHC	Abdul	10/29/2025 8:13:49 AM	Sohil	10/29/2025 4:12:57	Peak Integrated by Software
PSTDCCC050	PD090880.D	Heptachlor epoxide	Abdul	10/29/2025 8:13:49 AM	Sohil	10/29/2025 4:12:57	Peak Integrated by Software
PB170283BS	PD090885.D	Heptachlor epoxide	Abdul	10/29/2025 8:13:45 AM	Sohil	10/29/2025 4:13:00	Peak Integrated by Software
Q3466-02	PD090893.D	4,4"-DDE	Abdul	10/29/2025 8:13:34 AM	Sohil	10/29/2025 4:13:05	Peak Integrated by Software
Q3466-02	PD090893.D	Dieldrin	Abdul	10/29/2025 8:13:34 AM	Sohil	10/29/2025 4:13:05	Peak Integrated by Software
Q3466-02	PD090893.D	Dieldrin #2	Abdul	10/29/2025 8:13:34 AM	Sohil	10/29/2025 4:13:05	Peak Integrated by Software
Q3466-02	PD090893.D	Endrin	Abdul	10/29/2025 8:13:34 AM	Sohil	10/29/2025 4:13:05	Peak Integrated by Software
Q3466-02	PD090893.D	Endrin #2	Abdul	10/29/2025 8:13:34 AM	Sohil	10/29/2025 4:13:05	Peak Integrated by Software
Q3466-02	PD090893.D	Tetrachloro-m-xylene	Abdul	10/29/2025 8:13:34 AM	Sohil	10/29/2025 4:13:05	Peak Integrated by Software
Q3466-02MS	PD090894.D	Endrin #2	Abdul	10/29/2025 8:13:30 AM	Sohil	10/29/2025 4:13:07	Peak Integrated by Software
Q3466-02MS	PD090894.D	gamma-BHC (Lindane)	Abdul	10/29/2025 8:13:30 AM	Sohil	10/29/2025 4:13:07	Peak Integrated by Software

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Manual Integration Report

Sequence:	pd102825	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3466-02MS	PD090894.D	gamma-Chlordane	Abdul	10/29/2025 8:13:30 AM	Sohil	10/29/2025 4:13:07	Peak Integrated by Software
Q3466-02MS	PD090894.D	Mirex	Abdul	10/29/2025 8:13:30 AM	Sohil	10/29/2025 4:13:07	Peak Integrated by Software
Q3466-02MS	PD090894.D	Mirex #2	Abdul	10/29/2025 8:13:30 AM	Sohil	10/29/2025 4:13:07	Peak Integrated by Software
Q3466-02MS	PD090894.D	Tetrachloro-m-xylene	Abdul	10/29/2025 8:13:30 AM	Sohil	10/29/2025 4:13:07	Peak Integrated by Software
Q3466-02MSD	PD090895.D	Endrin #2	Abdul	10/29/2025 8:13:27 AM	Sohil	10/29/2025 4:13:08	Peak Integrated by Software
Q3466-02MSD	PD090895.D	gamma-BHC (Lindane)	Abdul	10/29/2025 8:13:27 AM	Sohil	10/29/2025 4:13:08	Peak Integrated by Software
Q3466-02MSD	PD090895.D	gamma-Chlordane	Abdul	10/29/2025 8:13:27 AM	Sohil	10/29/2025 4:13:08	Peak Integrated by Software
Q3466-02MSD	PD090895.D	Mirex	Abdul	10/29/2025 8:13:27 AM	Sohil	10/29/2025 4:13:08	Peak Integrated by Software
Q3466-02MSD	PD090895.D	Tetrachloro-m-xylene	Abdul	10/29/2025 8:13:27 AM	Sohil	10/29/2025 4:13:08	Peak Integrated by Software
Q3466-05	PD090896.D	alpha-Chlordane	Abdul	10/29/2025 8:13:24 AM	Sohil	10/29/2025 4:13:10	Peak Integrated by Software
Q3466-05	PD090896.D	alpha-Chlordane #2	Abdul	10/29/2025 8:13:24 AM	Sohil	10/29/2025 4:13:10	Peak Integrated by Software
Q3466-05	PD090896.D	Dieldrin #2	Abdul	10/29/2025 8:13:24 AM	Sohil	10/29/2025 4:13:10	Peak Integrated by Software
Q3466-05	PD090896.D	Endrin	Abdul	10/29/2025 8:13:24 AM	Sohil	10/29/2025 4:13:10	Peak Integrated by Software

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Manual Integration Report

Sequence:	pd102825	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3466-05	PD090896.D	Endrin #2	Abdul	10/29/2025 8:13:24 AM	Sohil	10/29/2025 4:13:10	Peak Integrated by Software
Q3466-05	PD090896.D	gamma-Chlordane #2	Abdul	10/29/2025 8:13:24 AM	Sohil	10/29/2025 4:13:10	Peak Integrated by Software
Q3466-05	PD090896.D	Heptachlor epoxide	Abdul	10/29/2025 8:13:24 AM	Sohil	10/29/2025 4:13:10	Peak Integrated by Software
Q3466-05	PD090896.D	Tetrachloro-m-xylene	Abdul	10/29/2025 8:13:24 AM	Sohil	10/29/2025 4:13:10	Peak Integrated by Software

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

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD101725

Review By	Abdul	Review On	10/19/2025 5:21:31 PM		
Supervise By	mohammad	Supervise On	10/24/2025 1:04:58 AM		
SubDirectory	PD101725	HP Acquire Method		HP Processing Method	pd101725 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	PD090646.D	17 Oct 2025 10:40	AR\AJ	Ok
2	I.BLK	PD090647.D	17 Oct 2025 10:53	AR\AJ	Ok
3	PEM	PD090648.D	17 Oct 2025 11:07	AR\AJ	Ok,M
4	RESCHK	PD090649.D	17 Oct 2025 11:20	AR\AJ	Ok,M
5	PSTDICC100	PD090650.D	17 Oct 2025 11:34	AR\AJ	Ok
6	PSTDICC075	PD090651.D	17 Oct 2025 11:48	AR\AJ	Ok
7	PSTDICC050	PD090652.D	17 Oct 2025 12:01	AR\AJ	Ok
8	PSTDICC025	PD090653.D	17 Oct 2025 12:15	AR\AJ	Ok
9	PSTDICC005	PD090654.D	17 Oct 2025 12:28	AR\AJ	Ok,M
10	PCHLORICC1000	PD090655.D	17 Oct 2025 12:42	AR\AJ	Ok
11	PCHLORICC750	PD090656.D	17 Oct 2025 12:56	AR\AJ	Ok
12	PCHLORICC500	PD090657.D	17 Oct 2025 13:09	AR\AJ	Ok
13	PCHLORICC250	PD090658.D	17 Oct 2025 13:23	AR\AJ	Ok
14	PCHLORICC050	PD090659.D	17 Oct 2025 13:36	AR\AJ	Ok,M
15	PTOXICC1000	PD090660.D	17 Oct 2025 13:50	AR\AJ	Ok
16	PTOXICC750	PD090661.D	17 Oct 2025 14:03	AR\AJ	Ok
17	PTOXICC500	PD090662.D	17 Oct 2025 14:17	AR\AJ	Ok
18	PTOXICC250	PD090663.D	17 Oct 2025 14:30	AR\AJ	Ok
19	PTOXICC100	PD090664.D	17 Oct 2025 16:18	AR\AJ	Ok
20	PSTDICV050	PD090665.D	17 Oct 2025 16:46	AR\AJ	Ok
21	PCHLORICV500	PD090666.D	17 Oct 2025 17:50	AR\AJ	Ok

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

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD101725

Review By	Abdul	Review On	10/19/2025 5:21:31 PM		
Supervise By	mohammad	Supervise On	10/24/2025 1:04:58 AM		
SubDirectory	PD101725	HP Acquire Method		HP Processing Method	pd101725 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	PTOXICV500	PD090667.D	17 Oct 2025 18:42	AR\AJ	Ok,M
23	I.BLK	PD090668.D	17 Oct 2025 19:50	AR\AJ	Ok
24	PEM	PD090669.D	17 Oct 2025 20:04	AR\AJ	Ok,M
25	PSTDCCC050	PD090670.D	17 Oct 2025 20:18	AR\AJ	Ok
26	PB170142BL	PD090671.D	17 Oct 2025 20:31	AR\AJ	Ok
27	PB170142BS	PD090672.D	17 Oct 2025 20:45	AR\AJ	Ok
28	Q3366-01	PD090673.D	17 Oct 2025 20:59	AR\AJ	Ok,M
29	Q3366-03	PD090674.D	17 Oct 2025 21:12	AR\AJ	Ok,M
30	Q3367-01	PD090675.D	17 Oct 2025 21:26	AR\AJ	Ok,M
31	Q3369-01	PD090676.D	17 Oct 2025 21:40	AR\AJ	Ok,M
32	Q3369-05	PD090677.D	17 Oct 2025 21:53	AR\AJ	Ok,M
33	Q3363-01	PD090678.D	17 Oct 2025 22:48	AR\AJ	Ok,M
34	Q3363-02	PD090679.D	17 Oct 2025 23:02	AR\AJ	Ok,M
35	Q3363-03	PD090680.D	17 Oct 2025 23:15	AR\AJ	Ok,M
36	Q3363-04	PD090681.D	17 Oct 2025 23:29	AR\AJ	Ok,M
37	Q3363-04MS	PD090682.D	17 Oct 2025 23:43	AR\AJ	Ok,M
38	Q3363-04MSD	PD090683.D	17 Oct 2025 23:56	AR\AJ	Ok,M
39	Q3363-05	PD090684.D	18 Oct 2025 00:10	AR\AJ	Ok,M
40	Q3343-04MS	PD090685.D	18 Oct 2025 00:24	AR\AJ	Ok,M
41	Q3343-04MSD	PD090686.D	18 Oct 2025 00:37	AR\AJ	Ok
42	I.BLK	PD090687.D	18 Oct 2025 00:51	AR\AJ	Ok
43	PSTDCCC050	PD090688.D	18 Oct 2025 02:13	AR\AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD102825

Review By	Abdul	Review On	10/29/2025 8:15:04 AM		
Supervise By	Sohil	Supervise On	10/29/2025 4:13:32 PM		
SubDirectory	PD102825	HP Acquire Method		HP Processing Method	pd101725 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	PD090866.D	28 Oct 2025 09:28	AR\AJ	Ok
2	I.BLK	PD090867.D	28 Oct 2025 09:42	AR\AJ	Ok
3	PEM	PD090868.D	28 Oct 2025 09:55	AR\AJ	Ok,M
4	PSTDCCC050	PD090869.D	28 Oct 2025 10:46	AR\AJ	Ok
5	PB170270BL	PD090870.D	28 Oct 2025 10:59	AR\AJ	Not Ok
6	PB170270BS	PD090871.D	28 Oct 2025 11:13	AR\AJ	Not Ok
7	PB170239TB	PD090872.D	28 Oct 2025 11:27	AR\AJ	Not Ok
8	Q3447-02	PD090873.D	28 Oct 2025 11:40	AR\AJ	Ok
9	Q3447-02MS	PD090874.D	28 Oct 2025 11:54	AR\AJ	Ok,M
10	Q3447-02MSD	PD090875.D	28 Oct 2025 12:08	AR\AJ	Ok,M
11	Q3447-04	PD090876.D	28 Oct 2025 12:21	AR\AJ	Ok,M
12	Q3447-06	PD090877.D	28 Oct 2025 12:35	AR\AJ	Ok
13	Q3447-08	PD090878.D	28 Oct 2025 12:48	AR\AJ	Ok,M
14	I.BLK	PD090879.D	28 Oct 2025 13:16	AR\AJ	Ok
15	PSTDCCC050	PD090880.D	28 Oct 2025 13:50	AR\AJ	Ok,M
16	PB170283BL	PD090881.D	28 Oct 2025 14:35	AR\AJ	Ok
17	PB170283BS	PD090882.D	28 Oct 2025 15:21	AR\AJ	Not Ok
18	PB170239TB	PD090883.D	28 Oct 2025 15:42	AR\AJ	Ok
19	PB170270BS	PD090884.D	28 Oct 2025 15:55	AR\AJ	Ok
20	PB170283BS	PD090885.D	28 Oct 2025 16:16	AR\AJ	Ok,M
21	Q3465-01	PD090886.D	28 Oct 2025 16:30	AR\AJ	Ok

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

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD102825

Review By	Abdul	Review On	10/29/2025 8:15:04 AM		
Supervise By	Sohil	Supervise On	10/29/2025 4:13:32 PM		
SubDirectory	PD102825	HP Acquire Method		HP Processing Method	pd101725 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	PB170287BL	PD090887.D	28 Oct 2025 16:43	AR\AJ	Ok
23	PB170287BS	PD090888.D	28 Oct 2025 16:57	AR\AJ	Ok
24	PB170287BSD	PD090889.D	28 Oct 2025 17:11	AR\AJ	Ok
25	Q3434-02	PD090890.D	28 Oct 2025 17:24	AR\AJ	Ok,M
26	I.BLK	PD090891.D	28 Oct 2025 17:38	AR\AJ	Ok
27	PSTDCCC050	PD090892.D	28 Oct 2025 17:52	AR\AJ	Ok
28	Q3466-02	PD090893.D	28 Oct 2025 18:46	AR\AJ	Ok,M
29	Q3466-02MS	PD090894.D	28 Oct 2025 19:00	AR\AJ	Ok,M
30	Q3466-02MSD	PD090895.D	28 Oct 2025 19:14	AR\AJ	Ok,M
31	Q3466-05	PD090896.D	28 Oct 2025 19:27	AR\AJ	Ok,M
32	Q3466-07	PD090897.D	28 Oct 2025 19:41	AR\AJ	Ok
33	Q3469-01	PD090898.D	28 Oct 2025 19:55	AR\AJ	Ok,M
34	Q3472-16	PD090899.D	28 Oct 2025 20:08	AR\AJ	Ok,M
35	I.BLK	PD090900.D	28 Oct 2025 20:22	AR\AJ	Ok
36	PEM	PD090901.D	28 Oct 2025 20:36	AR\AJ	Ok
37	PSTDCCC050	PD090902.D	28 Oct 2025 21:58	AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD101725

Review By	Abdul	Review On	10/19/2025 5:21:31 PM		
Supervise By	mohammad	Supervise On	10/24/2025 1:04:58 AM		
SubDirectory	PD101725	HP Acquire Method		HP Processing Method	pd101725 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	PD090646.D	17 Oct 2025 10:40		AR\AJ	Ok
2	I.BLK	I.BLK	PD090647.D	17 Oct 2025 10:53		AR\AJ	Ok
3	PEM	PEM	PD090648.D	17 Oct 2025 11:07		AR\AJ	Ok,M
4	RESCHK	RESCHK	PD090649.D	17 Oct 2025 11:20		AR\AJ	Ok,M
5	PSTDICC100	PSTDICC100	PD090650.D	17 Oct 2025 11:34		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PD090651.D	17 Oct 2025 11:48		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PD090652.D	17 Oct 2025 12:01		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PD090653.D	17 Oct 2025 12:15		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PD090654.D	17 Oct 2025 12:28		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PD090655.D	17 Oct 2025 12:42		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PD090656.D	17 Oct 2025 12:56		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PD090657.D	17 Oct 2025 13:09		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PD090658.D	17 Oct 2025 13:23		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PD090659.D	17 Oct 2025 13:36		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PD090660.D	17 Oct 2025 13:50		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PD090661.D	17 Oct 2025 14:03		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PD090662.D	17 Oct 2025 14:17		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PD090663.D	17 Oct 2025 14:30		AR\AJ	Ok

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD101725

Review By	Abdul	Review On	10/19/2025 5:21:31 PM		
Supervise By	mohammad	Supervise On	10/24/2025 1:04:58 AM		
SubDirectory	PD101725	HP Acquire Method		HP Processing Method	pd101725 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	PTOXICC100	PTOXICC100	PD090664.D	17 Oct 2025 16:18		AR\AJ	Ok
20	PSTDICV050	ICVPD101725	PD090665.D	17 Oct 2025 16:46		AR\AJ	Ok
21	PCHLORICV500	ICVPD101725CHLOR	PD090666.D	17 Oct 2025 17:50		AR\AJ	Ok
22	PTOXICV500	ICVPD101725TOX	PD090667.D	17 Oct 2025 18:42		AR\AJ	Ok,M
23	I.BLK	I.BLK	PD090668.D	17 Oct 2025 19:50		AR\AJ	Ok
24	PEM	PEM	PD090669.D	17 Oct 2025 20:04		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PD090670.D	17 Oct 2025 20:18		AR\AJ	Ok
26	PB170142BL	PB170142BL	PD090671.D	17 Oct 2025 20:31		AR\AJ	Ok
27	PB170142BS	PB170142BS	PD090672.D	17 Oct 2025 20:45		AR\AJ	Ok
28	Q3366-01	TR-06-101625	PD090673.D	17 Oct 2025 20:59		AR\AJ	Ok,M
29	Q3366-03	TR-1-101625	PD090674.D	17 Oct 2025 21:12		AR\AJ	Ok,M
30	Q3367-01	BU-03-101625	PD090675.D	17 Oct 2025 21:26		AR\AJ	Ok,M
31	Q3369-01	MH-22	PD090676.D	17 Oct 2025 21:40		AR\AJ	Ok,M
32	Q3369-05	MH-21	PD090677.D	17 Oct 2025 21:53		AR\AJ	Ok,M
33	Q3363-01	PR132-SO1-085011-20	PD090678.D	17 Oct 2025 22:48		AR\AJ	Ok,M
34	Q3363-02	PR132-SO1-039085-20	PD090679.D	17 Oct 2025 23:02		AR\AJ	Ok,M
35	Q3363-03	PR132-SO3-028010-20	PD090680.D	17 Oct 2025 23:15		AR\AJ	Ok,M
36	Q3363-04	PR132-SO3-010013-20	PD090681.D	17 Oct 2025 23:29		AR\AJ	Ok,M
37	Q3363-04MS	PR132-SO3-010013-20	PD090682.D	17 Oct 2025 23:43		AR\AJ	Ok,M

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD101725

Review By	Abdul	Review On	10/19/2025 5:21:31 PM		
Supervise By	mohammad	Supervise On	10/24/2025 1:04:58 AM		
SubDirectory	PD101725	HP Acquire Method		HP Processing Method	pd101725 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	

38	Q3363-04MSD	PR132-SO3-010013-20	PD090683.D	17 Oct 2025 23:56		AR\AJ	Ok,M
39	Q3363-05	COMP01-20251015	PD090684.D	18 Oct 2025 00:10		AR\AJ	Ok,M
40	Q3343-04MS	SOIL-ROLLOFF-WC-1	PD090685.D	18 Oct 2025 00:24		AR\AJ	Ok,M
41	Q3343-04MSD	SOIL-ROLLOFF-WC-1	PD090686.D	18 Oct 2025 00:37		AR\AJ	Ok
42	I.BLK	I.BLK	PD090687.D	18 Oct 2025 00:51		AR\AJ	Ok
43	PSTDCCC050	PSTDCCC050	PD090688.D	18 Oct 2025 02:13		AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD102825

Review By	Abdul	Review On	10/29/2025 8:15:04 AM		
Supervise By	Sohil	Supervise On	10/29/2025 4:13:32 PM		
SubDirectory	PD102825	HP Acquire Method		HP Processing Method	pd101725 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	PD090866.D	28 Oct 2025 09:28		AR\AJ	Ok
2	I.BLK	I.BLK	PD090867.D	28 Oct 2025 09:42		AR\AJ	Ok
3	PEM	PEM	PD090868.D	28 Oct 2025 09:55		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD090869.D	28 Oct 2025 10:46		AR\AJ	Ok
5	PB170270BL	PB170270BL	PD090870.D	28 Oct 2025 10:59	TCMX high in both column , DCB high in 2nd column	AR\AJ	Not Ok
6	PB170270BS	PB170270BS	PD090871.D	28 Oct 2025 11:13	RECOVERY FAIL.	AR\AJ	Not Ok
7	PB170239TB	PB170239TB	PD090872.D	28 Oct 2025 11:27	DCB and TCMX high in 2nd column	AR\AJ	Not Ok
8	Q3447-02	P001-TW1-251023-01	PD090873.D	28 Oct 2025 11:40		AR\AJ	Ok
9	Q3447-02MS	P001-TW1-251023-01M	PD090874.D	28 Oct 2025 11:54		AR\AJ	Ok,M
10	Q3447-02MSD	P001-TW1-251023-01M	PD090875.D	28 Oct 2025 12:08		AR\AJ	Ok,M
11	Q3447-04	P001-TW2-251023-01	PD090876.D	28 Oct 2025 12:21		AR\AJ	Ok,M
12	Q3447-06	P001-TW3-251023-01	PD090877.D	28 Oct 2025 12:35		AR\AJ	Ok
13	Q3447-08	P001-TW4-251023-01	PD090878.D	28 Oct 2025 12:48		AR\AJ	Ok,M
14	I.BLK	I.BLK	PD090879.D	28 Oct 2025 13:16		AR\AJ	Ok
15	PSTDCCC050	PSTDCCC050	PD090880.D	28 Oct 2025 13:50		AR\AJ	Ok,M
16	PB170283BL	PB170283BL	PD090881.D	28 Oct 2025 14:35		AR\AJ	Ok
17	PB170283BS	PB170283BS	PD090882.D	28 Oct 2025 15:21	RECOVERY FAIL.	AR\AJ	Not Ok

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD102825

Review By	Abdul	Review On	10/29/2025 8:15:04 AM		
Supervise By	Sohil	Supervise On	10/29/2025 4:13:32 PM		
SubDirectory	PD102825	HP Acquire Method		HP Processing Method	pd101725 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	

18	PB170239TB	PB170239TB	PD090883.D	28 Oct 2025 15:42		AR\AJ	Ok
19	PB170270BS	PB170270BS	PD090884.D	28 Oct 2025 15:55		AR\AJ	Ok
20	PB170283BS	PB170283BS	PD090885.D	28 Oct 2025 16:16		AR\AJ	Ok,M
21	Q3465-01	SU-03-10242025	PD090886.D	28 Oct 2025 16:30		AR\AJ	Ok
22	PB170287BL	PB170287BL	PD090887.D	28 Oct 2025 16:43		AR\AJ	Ok
23	PB170287BS	PB170287BS	PD090888.D	28 Oct 2025 16:57		AR\AJ	Ok
24	PB170287BSD	PB170287BSD	PD090889.D	28 Oct 2025 17:11		AR\AJ	Ok
25	Q3434-02	PR132-WC2-20251022	PD090890.D	28 Oct 2025 17:24		AR\AJ	Ok,M
26	I.BLK	I.BLK	PD090891.D	28 Oct 2025 17:38		AR\AJ	Ok
27	PSTDCCC050	PSTDCCC050	PD090892.D	28 Oct 2025 17:52		AR\AJ	Ok
28	Q3466-02	B8-0.0-1.0-20251023	PD090893.D	28 Oct 2025 18:46		AR\AJ	Ok,M
29	Q3466-02MS	B8-0.0-1.0-20251023M	PD090894.D	28 Oct 2025 19:00		AR\AJ	Ok,M
30	Q3466-02MSD	B8-0.0-1.0-20251023M	PD090895.D	28 Oct 2025 19:14		AR\AJ	Ok,M
31	Q3466-05	B9-0.0-1.0-20251023	PD090896.D	28 Oct 2025 19:27		AR\AJ	Ok,M
32	Q3466-07	B7-1.0-2.0-20251023	PD090897.D	28 Oct 2025 19:41		AR\AJ	Ok
33	Q3469-01	TP-13	PD090898.D	28 Oct 2025 19:55		AR\AJ	Ok,M
34	Q3472-16	142	PD090899.D	28 Oct 2025 20:08		AR\AJ	Ok,M
35	I.BLK	I.BLK	PD090900.D	28 Oct 2025 20:22		AR\AJ	Ok
36	PEM	PEM	PD090901.D	28 Oct 2025 20:36		AR\AJ	Ok

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD102825

Review By	Abdul	Review On	10/29/2025 8:15:04 AM		
Supervise By	Sohil	Supervise On	10/29/2025 4:13:32 PM		
SubDirectory	PD102825	HP Acquire Method		HP Processing Method	pd101725 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	

37	PSTDCCC050	PSTDCCC050	PD090902.D	28 Oct 2025 21:58		AR\AJ	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB170283

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 : 10/28/2025

Extraction Start Time : 08:36

Extraction End Date : 10/28/2025

Extraction End Time : 11:45

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	EP2643
Baked Na2SO4	N/A	EP2655
Sand	N/A	E3951
Hexane	N/A	E3978
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

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS721. Q3472-16 used Limited volume as sample is 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
10/28/25	RS (Ext-lab)	R. Patel / PCB Lab
11:50	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB170283

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 10/28/2025

Sample ID	Client Sample ID	Test	g mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170283BL	PBLK283	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10			U6-1
PB170283BS	PLCS283	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10			2
Q3465-01	SU-03-10242025	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		3
Q3466-02	B8-0.0-1.0-20251023	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	B		4
Q3466-02MS	B8-0.0-1.0-20251023MS	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	B		5
Q3466-02MSD	B8-0.0-1.0-20251023MSD	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	B		6
Q3466-05	B9-0.0-1.0-20251023	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	A		U1-1
Q3466-07	B7-1.0-2.0-20251023	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	B		2
Q3469-01	TP-13	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	B		3
Q3472-16	142	Pesticide-TCL	1.04	N/A	ritesh	Evelyn	10	B	Oil	

RS 10/28

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

17028-
8:36

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3466 **WorkList ID :** 192722 **Department :** Extraction **Date :** 10-28-2025 08:31:11

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3465-01	SU-03-10242025	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	D31	10/24/2025	8081B
Q3466-02	B8-0.0-1.0-20251023	Solid	Pesticide-TCL	Cool 4 deg C	HDRI08	D41	10/23/2025	8081B
Q3466-05	B9-0.0-1.0-20251023	Solid	Pesticide-TCL	Cool 4 deg C	HDRI08	D41	10/23/2025	8081B
Q3466-07	B7-1.0-2.0-20251023	Solid	Pesticide-TCL	Cool 4 deg C	HDRI08	D41	10/23/2025	8081B
Q3469-01	TP-13	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D41	10/25/2025	8081B
Q3472-16	142	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D41	10/27/2025	8081B

Date/Time 10/28/25 8:31

Raw Sample Received by: RJ CLEARY (ALS)

Raw Sample Relinquished by:

Date/Time 10/28/25 9:00

Raw Sample Received by:

Raw Sample Relinquished by: RJ CLEARY (ALS)

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

LAB CHRONICLE

OrderID:	Q3466	**OrderDate:**	10/24/2025 3:18:10 PM
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
Q3466-02	**B8-0.0-1.0-20251023**	**SOIL**			**10/23/25**			**10/24/25**
			Pesticide-TCL	8081B		10/28/25	10/28/25	
Q3466-05	**B9-0.0-1.0-20251023**	**SOIL**			**10/23/25**			**10/24/25**
			Pesticide-TCL	8081B		10/28/25	10/28/25	
Q3466-07	**B7-1.0-2.0-20251023**	**SOIL**			**10/23/25**			**10/24/25**
			Pesticide-TCL	8081B		10/28/25	10/28/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q3466 **Order ID:** Q3466

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

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : B8-0.0-1.0-20251023								
Q3466-02	B8-0.0-1.0-20251023	SOIL	Aroclor-1254	34.7	P	3.80	19.9	ug/kg
			Total Concentration:	**34.700**				

Alliance
TECHNICAL GROUP

A
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J
K
L

SAMPLE DATA

Raw Data: **PP076135.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:	10/23/25
Project:	PVWC Linear Construction	Date Received:	10/24/25
Client Sample ID:	B8-0.0-1.0-20251023	SDG No.:	Q3466
Lab Sample ID:	Q3466-02	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	85.3
Sample Wt/Vol:	30.06 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541 Prep Date 10/28/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	4.60	U	1	4.60	19.9	ug/kg	10/28/25 17:02	PB170282
11104-28-2	Aroclor-1221	4.70	U	1	4.70	19.9	ug/kg	10/28/25 17:02	PB170282
11141-16-5	Aroclor-1232	4.40	U	1	4.40	19.9	ug/kg	10/28/25 17:02	PB170282
53469-21-9	Aroclor-1242	4.70	U	1	4.70	19.9	ug/kg	10/28/25 17:02	PB170282
12672-29-6	Aroclor-1248	6.90	U	1	6.90	19.9	ug/kg	10/28/25 17:02	PB170282
11097-69-1	Aroclor-1254	34.7	P	1	3.80	19.9	ug/kg	10/28/25 17:02	PB170282
37324-23-5	Aroclor-1262	5.90	U	1	5.90	19.9	ug/kg	10/28/25 17:02	PB170282
11100-14-4	Aroclor-1268	4.20	U	1	4.20	19.9	ug/kg	10/28/25 17:02	PB170282
11096-82-5	Aroclor-1260	3.80	U	1	3.80	19.9	ug/kg	10/28/25 17:02	PB170282
SURROGATES									
877-09-8	Tetrachloro-m-xylene	24.3			30 (32) - 150 (144)	121%	SPK: 20		
2051-24-3	Decachlorobiphenyl	18.1			30 (32) - 150 (175)	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

Raw Data: **PP076136.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:	10/23/25
Project:	PVWC Linear Construction	Date Received:	10/24/25
Client Sample ID:	B9-0.0-1.0-20251023	SDG No.:	Q3466
Lab Sample ID:	Q3466-05	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	83.2
Sample Wt/Vol:	30.01 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541 Prep Date 10/28/25		

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	20.4	ug/kg	10/28/25 17:18	PB170282
11104-28-2	Aroclor-1221	4.80	U	1	4.80	20.4	ug/kg	10/28/25 17:18	PB170282
11141-16-5	Aroclor-1232	4.50	U	1	4.50	20.4	ug/kg	10/28/25 17:18	PB170282
53469-21-9	Aroclor-1242	4.80	U	1	4.80	20.4	ug/kg	10/28/25 17:18	PB170282
12672-29-6	Aroclor-1248	7.10	U	1	7.10	20.4	ug/kg	10/28/25 17:18	PB170282
11097-69-1	Aroclor-1254	3.90	U	1	3.90	20.4	ug/kg	10/28/25 17:18	PB170282
37324-23-5	Aroclor-1262	6.00	U	1	6.00	20.4	ug/kg	10/28/25 17:18	PB170282
11100-14-4	Aroclor-1268	4.30	U	1	4.30	20.4	ug/kg	10/28/25 17:18	PB170282
11096-82-5	Aroclor-1260	3.90	U	1	3.90	20.4	ug/kg	10/28/25 17:18	PB170282
SURROGATES									
877-09-8	Tetrachloro-m-xylene	23.9			30 (32) - 150 (144)	119%	SPK: 20		
2051-24-3	Decachlorobiphenyl	17.1			30 (32) - 150 (175)	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: **PP076137.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:	10/23/25
Project:	PVWC Linear Construction	Date Received:	10/24/25
Client Sample ID:	B7-1.0-2.0-20251023	SDG No.:	Q3466
Lab Sample ID:	Q3466-07	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	89.2
Sample Wt/Vol:	30.05 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541 Prep Date 10/28/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	4.40	U	1	4.40	19.0	ug/kg	10/28/25 17:34	PB170282
11104-28-2	Aroclor-1221	4.50	U	1	4.50	19.0	ug/kg	10/28/25 17:34	PB170282
11141-16-5	Aroclor-1232	4.20	U	1	4.20	19.0	ug/kg	10/28/25 17:34	PB170282
53469-21-9	Aroclor-1242	4.50	U	1	4.50	19.0	ug/kg	10/28/25 17:34	PB170282
12672-29-6	Aroclor-1248	6.60	U	1	6.60	19.0	ug/kg	10/28/25 17:34	PB170282
11097-69-1	Aroclor-1254	3.60	U	1	3.60	19.0	ug/kg	10/28/25 17:34	PB170282
37324-23-5	Aroclor-1262	5.60	U	1	5.60	19.0	ug/kg	10/28/25 17:34	PB170282
11100-14-4	Aroclor-1268	4.00	U	1	4.00	19.0	ug/kg	10/28/25 17:34	PB170282
11096-82-5	Aroclor-1260	3.60	U	1	3.60	19.0	ug/kg	10/28/25 17:34	PB170282
SURROGATES									
877-09-8	Tetrachloro-m-xylene	28.7			30 (32) - 150 (144)	144%	SPK: 20		
2051-24-3	Decachlorobiphenyl	24.1			30 (32) - 150 (175)	120%	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.: Q3466

Client: HDR, Inc.

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PO114312.D	PIBLK-PO114312.D	Tetrachloro-m-xyl	1	20	18.6	93		70 (60)	130 (140)
		Decachlorobiphen	1	20	19.2	96		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	18.9	94		70 (60)	130 (140)
		Decachlorobiphen	2	20	19.0	95		70 (60)	130 (140)
I.BLK-PO114699.D	PIBLK-PO114699.D	Tetrachloro-m-xyl	1	20	20.4	102		70 (60)	130 (140)
		Decachlorobiphen	1	20	19.7	98		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	18.1	90		70 (60)	130 (140)
		Decachlorobiphen	2	20	19.5	97		70 (60)	130 (140)
Q3461-01MS	SS-9R(4.5-5.0)MS	Tetrachloro-m-xyl	1	20	28.3	142		30 (32)	150 (144)
		Decachlorobiphen	1	20	24.5	123		30 (32)	150 (175)
		Tetrachloro-m-xyl	2	20	24.2	121		30 (32)	150 (144)
		Decachlorobiphen	2	20	24.8	124		30 (32)	150 (175)
Q3461-01MSD	SS-9R(4.5-5.0)MSD	Tetrachloro-m-xyl	1	20	27.3	137		30 (32)	150 (144)
		Decachlorobiphen	1	20	23.0	115		30 (32)	150 (175)
		Tetrachloro-m-xyl	2	20	23.9	119		30 (32)	150 (144)
		Decachlorobiphen	2	20	23.1	116		30 (32)	150 (175)
I.BLK-PO114713.D	PIBLK-PO114713.D	Tetrachloro-m-xyl	1	20	20.2	101		70 (60)	130 (140)
		Decachlorobiphen	1	20	20.0	100		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	18.1	91		70 (60)	130 (140)
		Decachlorobiphen	2	20	20.2	101		70 (60)	130 (140)
I.BLK-PP075887.D	PIBLK-PP075887.D	Tetrachloro-m-xyl	1	20	19.9	100		70 (60)	130 (140)
		Decachlorobiphen	1	20	20.4	102		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	18.8	94		70 (60)	130 (140)
		Decachlorobiphen	2	20	19.3	96		70 (60)	130 (140)
I.BLK-PP076131.D	PIBLK-PP076131.D	Tetrachloro-m-xyl	1	20	17.9	90		70 (60)	130 (140)
		Decachlorobiphen	1	20	18.8	94		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	16.3	81		70 (60)	130 (140)
		Decachlorobiphen	2	20	16.2	81		70 (60)	130 (140)
PB170282BL	PB170282BL	Tetrachloro-m-xyl	1	20	24.6	123		30 (32)	150 (144)
		Decachlorobiphen	1	20	25.3	127		30 (32)	150 (175)
		Tetrachloro-m-xyl	2	20	22.8	114		30 (32)	150 (144)
		Decachlorobiphen	2	20	22.0	110		30 (32)	150 (175)
Q3466-02	B8-0.0-1.0-20251023	Tetrachloro-m-xyl	1	20	24.3	121		30 (32)	150 (144)
		Decachlorobiphen	1	20	18.1	90		30 (32)	150 (175)
		Tetrachloro-m-xyl	2	20	23.1	116		30 (32)	150 (144)
		Decachlorobiphen	2	20	14.8	74		30 (32)	150 (175)
Q3466-05	B9-0.0-1.0-20251023	Tetrachloro-m-xyl	1	20	22.7	114		30 (32)	150 (144)
		Decachlorobiphen	1	20	17.1	85		30 (32)	150 (175)
		Tetrachloro-m-xyl	2	20	23.9	119		30 (32)	150 (144)
		Decachlorobiphen	2	20	15.1	76		30 (32)	150 (175)
Q3466-07	B7-1.0-2.0-20251023	Tetrachloro-m-xyl	1	20	26.6	133		30 (32)	150 (144)

( ) = LABORATORY INHOUSE LIMIT

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

Surrogate Summary

SDG No.: Q3466

Client: HDR, Inc.

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
Q3466-07	B7-1.0-2.0-20251023	Decachlorobiphen	1	20	24.1	120		30 (32)	150 (175)
		Tetrachloro-m-xyl	2	20	28.7	144		30 (32)	150 (144)
		Decachlorobiphen	2	20	18.1	91		30 (32)	150 (175)
I.BLK-PP076146.D	PIBLK-PP076146.D	Tetrachloro-m-xyl	1	20	17.8	89		70 (60)	130 (140)
		Decachlorobiphen	1	20	18.4	92		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	15.8	79		70 (60)	130 (140)
		Decachlorobiphen	2	20	15.1	75		70 (60)	130 (140)
I.BLK-PP076152.D	PIBLK-PP076152.D	Tetrachloro-m-xyl	1	20	20.1	101		70 (60)	130 (140)
		Decachlorobiphen	1	20	20.4	102		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	19.1	95		70 (60)	130 (140)
		Decachlorobiphen	2	20	16.9	85		70 (60)	130 (140)
PB170282BS	PB170282BS	Tetrachloro-m-xyl	1	20	21.8	109		30 (32)	150 (144)
		Decachlorobiphen	1	20	22.1	110		30 (32)	150 (175)
		Tetrachloro-m-xyl	2	20	19.1	96		30 (32)	150 (144)
		Decachlorobiphen	2	20	18.4	92		30 (32)	150 (175)
I.BLK-PP076163.D	PIBLK-PP076163.D	Tetrachloro-m-xyl	1	20	19.8	99		70 (60)	130 (140)
		Decachlorobiphen	1	20	20.5	103		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	17.9	89		70 (60)	130 (140)
		Decachlorobiphen	2	20	16.4	82		70 (60)	130 (140)

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3466 **Analytical Method:** 8082A

Client: HDR, Inc. **DataFile :** PO114707.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID:	**Q3461-01MS (Column 1)**	**Client Sample ID:**		**SS-9R(4.5-5.0)MS**								
	AR1016	188.7	0	209	ug/kg	111				40 (55)	140 (146)	
	AR1260	188.7	0	306	ug/kg	162	*			40 (54)	140 (119)	
Lab Sample ID:	**Q3461-01MS (Column 2)**	**Client Sample ID:**		**SS-9R(4.5-5.0)MS**								
	AR1016	188.7	0	211	ug/kg	112				40 (55)	140 (146)	
	AR1260	188.7	0	326	ug/kg	173	*			40 (54)	140 (119)	

( ) = 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.: Q3466 **Analytical Method:** 8082A

Client: HDR, Inc. **DataFile :** PO114708.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID:	**Q3461-01MSD (Column 1)**	**Client Sample ID:**		**SS-9R(4.5-5.0)MSD**								
	AR1016	188.5	0	207	ug/kg	110		1		40 (55)	140 (146)	30 (15)
	AR1260	188.5	0	369	ug/kg	196	*	19		40 (54)	140 (119)	30 (15)
Lab Sample ID:	**Q3461-01MSD (Column 2)**	**Client Sample ID:**		**SS-9R(4.5-5.0)MSD**								
	AR1016	188.5	0	226	ug/kg	120		7		40 (55)	140 (146)	30 (15)
	AR1260	188.5	0	392	ug/kg	208	*	18		40 (54)	140 (119)	30 (15)

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3466 **Analytical Method:** 8082A

Client: HDR, Inc. **Datafile :** PP076153.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170282BS (Column 1)	AR1016	166.6	166	ug/kg	100				40 (71)	140 (120)	
	AR1260	166.6	164	ug/kg	98				40 (65)	140 (130)	
PB170282BS (Column 2)	AR1016	166.6	159	ug/kg	95				40 (71)	140 (120)	
	AR1260	166.6	171	ug/kg	103				40 (65)	140 (130)	

( ) = LABORATORY INHOUSE LIMIT

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

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB170282BL

Lab Name: Alliance | Contract: HDRI08

Lab Code: ACE | SDG NO.: Q3466

Lab Sample ID: PB170282BL | Lab File ID: PP076132.D

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

Sulfur Cleanup: (Y/N) N | Date Extracted: 10/28/2025

Date Analyzed (1): 10/28/2025 | Date Analyzed (2): 10/28/2025

Time Analyzed (1): 16:13 | Time Analyzed (2): 16:13

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

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
SS-9R(4.5-5.0)MS	Q3461-01MS	PO114707.D	10/28/2025	10/28/2025
SS-9R(4.5-5.0)MSD	Q3461-01MSD	PO114708.D	10/28/2025	10/28/2025
B8-0.0-1.0-20251023	Q3466-02	PP076135.D	10/28/2025	10/28/2025
B9-0.0-1.0-20251023	Q3466-05	PP076136.D	10/28/2025	10/28/2025
B7-1.0-2.0-20251023	Q3466-07	PP076137.D	10/28/2025	10/28/2025
PB170282BS	PB170282BS	PP076153.D	10/29/2025	10/29/2025

COMMENTS:

QC SAMPLE DATA

Raw Data: **PP076132.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:	PB170282BL	SDG No.:	Q3466
Lab Sample ID:	PB170282BL	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol: 10000 uL	Test: PCB
Prep Method:	SW3541	Prep Date 10/28/25	

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	10/28/25 16:13	PB170282
11104-28-2	Aroclor-1221	4.00	U	1	4.00	17.0	ug/kg	10/28/25 16:13	PB170282
11141-16-5	Aroclor-1232	3.70	U	1	3.70	17.0	ug/kg	10/28/25 16:13	PB170282
53469-21-9	Aroclor-1242	4.00	U	1	4.00	17.0	ug/kg	10/28/25 16:13	PB170282
12672-29-6	Aroclor-1248	5.90	U	1	5.90	17.0	ug/kg	10/28/25 16:13	PB170282
11097-69-1	Aroclor-1254	3.20	U	1	3.20	17.0	ug/kg	10/28/25 16:13	PB170282
37324-23-5	Aroclor-1262	5.00	U	1	5.00	17.0	ug/kg	10/28/25 16:13	PB170282
11100-14-4	Aroclor-1268	3.60	U	1	3.60	17.0	ug/kg	10/28/25 16:13	PB170282
11096-82-5	Aroclor-1260	3.20	U	1	3.20	17.0	ug/kg	10/28/25 16:13	PB170282
SURROGATES									
877-09-8	Tetrachloro-m-xylene	24.6			30 (32) - 150 (144)	123%	SPK: 20		
2051-24-3	Decachlorobiphenyl	25.3			30 (32) - 150 (175)	127%	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:	10/09/25
Project:	PVWC Linear Construction	Date Received:	10/09/25
Client Sample ID:	PIBLK-PO114312.D	SDG No.:	Q3466
Lab Sample ID:	I.BLK-PO114312.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	10/09/25	po100925
11104-28-2	Aroclor-1221	0.13	U	1	0.13	0.50	ug/L	10/09/25	po100925
11141-16-5	Aroclor-1232	0.096	U	1	0.096	0.50	ug/L	10/09/25	po100925
53469-21-9	Aroclor-1242	0.12	U	1	0.12	0.50	ug/L	10/09/25	po100925
12672-29-6	Aroclor-1248	0.071	U	1	0.071	0.50	ug/L	10/09/25	po100925
11097-69-1	Aroclor-1254	0.094	U	1	0.094	0.50	ug/L	10/09/25	po100925
11096-82-5	Aroclor-1260	0.081	U	1	0.081	0.50	ug/L	10/09/25	po100925
37324-23-5	Aroclor-1262	0.14	U	1	0.14	0.50	ug/L	10/09/25	po100925
11100-14-4	Aroclor-1268	0.11	U	1	0.11	0.50	ug/L	10/09/25	po100925
SURROGATES									
877-09-8	Tetrachloro-m-xylene	18.6			70 (60) - 130 (140)	93%	SPK: 20		
2051-24-3	Decachlorobiphenyl	19.0			70 (60) - 130 (140)	95%	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:	10/28/25
Project:	PVWC Linear Construction	Date Received:	10/28/25
Client Sample ID:	PIBLK-PO114699.D	SDG No.:	Q3466
Lab Sample ID:	I.BLK-PO114699.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	10/28/25	PO102825
11104-28-2	Aroclor-1221	0.13	U	1	0.13	0.50	ug/L	10/28/25	PO102825
11141-16-5	Aroclor-1232	0.096	U	1	0.096	0.50	ug/L	10/28/25	PO102825
53469-21-9	Aroclor-1242	0.12	U	1	0.12	0.50	ug/L	10/28/25	PO102825
12672-29-6	Aroclor-1248	0.071	U	1	0.071	0.50	ug/L	10/28/25	PO102825
11097-69-1	Aroclor-1254	0.094	U	1	0.094	0.50	ug/L	10/28/25	PO102825
11096-82-5	Aroclor-1260	0.081	U	1	0.081	0.50	ug/L	10/28/25	PO102825
37324-23-5	Aroclor-1262	0.14	U	1	0.14	0.50	ug/L	10/28/25	PO102825
11100-14-4	Aroclor-1268	0.11	U	1	0.11	0.50	ug/L	10/28/25	PO102825
SURROGATES									
877-09-8	Tetrachloro-m-xylene	18.1			70 (60) - 130 (140)	90%	SPK: 20		
2051-24-3	Decachlorobiphenyl	19.5			70 (60) - 130 (140)	97%	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:	10/28/25
Project:	PVWC Linear Construction	Date Received:	10/28/25
Client Sample ID:	PIBLK-PO114713.D	SDG No.:	Q3466
Lab Sample ID:	I.BLK-PO114713.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	10/28/25	po102825
11104-28-2	Aroclor-1221	0.13	U	1	0.13	0.50	ug/L	10/28/25	po102825
11141-16-5	Aroclor-1232	0.096	U	1	0.096	0.50	ug/L	10/28/25	po102825
53469-21-9	Aroclor-1242	0.12	U	1	0.12	0.50	ug/L	10/28/25	po102825
12672-29-6	Aroclor-1248	0.071	U	1	0.071	0.50	ug/L	10/28/25	po102825
11097-69-1	Aroclor-1254	0.094	U	1	0.094	0.50	ug/L	10/28/25	po102825
11096-82-5	Aroclor-1260	0.081	U	1	0.081	0.50	ug/L	10/28/25	po102825
37324-23-5	Aroclor-1262	0.14	U	1	0.14	0.50	ug/L	10/28/25	po102825
11100-14-4	Aroclor-1268	0.11	U	1	0.11	0.50	ug/L	10/28/25	po102825
SURROGATES									
877-09-8	Tetrachloro-m-xylene	18.1			70 (60) - 130 (140)	91%	SPK: 20		
2051-24-3	Decachlorobiphenyl	20.0			70 (60) - 130 (140)	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:	10/21/25
Project:	PVWC Linear Construction	Date Received:	10/21/25
Client Sample ID:	PIBLK-PP075887.D	SDG No.:	Q3466
Lab Sample ID:	I.BLK-PP075887.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	10/21/25	PP102125
11104-28-2	Aroclor-1221	0.13	U	1	0.13	0.50	ug/L	10/21/25	PP102125
11141-16-5	Aroclor-1232	0.096	U	1	0.096	0.50	ug/L	10/21/25	PP102125
53469-21-9	Aroclor-1242	0.12	U	1	0.12	0.50	ug/L	10/21/25	PP102125
12672-29-6	Aroclor-1248	0.071	U	1	0.071	0.50	ug/L	10/21/25	PP102125
11097-69-1	Aroclor-1254	0.094	U	1	0.094	0.50	ug/L	10/21/25	PP102125
11096-82-5	Aroclor-1260	0.081	U	1	0.081	0.50	ug/L	10/21/25	PP102125
37324-23-5	Aroclor-1262	0.14	U	1	0.14	0.50	ug/L	10/21/25	PP102125
11100-14-4	Aroclor-1268	0.11	U	1	0.11	0.50	ug/L	10/21/25	PP102125
SURROGATES									
877-09-8	Tetrachloro-m-xylene	18.8			70 (60) - 130 (140)	94%	SPK: 20		
2051-24-3	Decachlorobiphenyl	19.3			70 (60) - 130 (140)	96%	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:	10/28/25
Project:	PVWC Linear Construction	Date Received:	10/28/25
Client Sample ID:	PIBLK-PP076131.D	SDG No.:	Q3466
Lab Sample ID:	I.BLK-PP076131.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	10/28/25	pp102825
11104-28-2	Aroclor-1221	0.13	U	1	0.13	0.50	ug/L	10/28/25	pp102825
11141-16-5	Aroclor-1232	0.096	U	1	0.096	0.50	ug/L	10/28/25	pp102825
53469-21-9	Aroclor-1242	0.12	U	1	0.12	0.50	ug/L	10/28/25	pp102825
12672-29-6	Aroclor-1248	0.071	U	1	0.071	0.50	ug/L	10/28/25	pp102825
11097-69-1	Aroclor-1254	0.094	U	1	0.094	0.50	ug/L	10/28/25	pp102825
11096-82-5	Aroclor-1260	0.081	U	1	0.081	0.50	ug/L	10/28/25	pp102825
37324-23-5	Aroclor-1262	0.14	U	1	0.14	0.50	ug/L	10/28/25	pp102825
11100-14-4	Aroclor-1268	0.11	U	1	0.11	0.50	ug/L	10/28/25	pp102825
SURROGATES									
877-09-8	Tetrachloro-m-xylene	16.3			70 (60) - 130 (140)	81%	SPK: 20		
2051-24-3	Decachlorobiphenyl	16.2			70 (60) - 130 (140)	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

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	10/28/25
Project:	PVWC Linear Construction	Date Received:	10/28/25
Client Sample ID:	PIBLK-PP076146.D	SDG No.:	Q3466
Lab Sample ID:	I.BLK-PP076146.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	10/28/25	pp102825
11104-28-2	Aroclor-1221	0.13	U	1	0.13	0.50	ug/L	10/28/25	pp102825
11141-16-5	Aroclor-1232	0.096	U	1	0.096	0.50	ug/L	10/28/25	pp102825
53469-21-9	Aroclor-1242	0.12	U	1	0.12	0.50	ug/L	10/28/25	pp102825
12672-29-6	Aroclor-1248	0.071	U	1	0.071	0.50	ug/L	10/28/25	pp102825
11097-69-1	Aroclor-1254	0.094	U	1	0.094	0.50	ug/L	10/28/25	pp102825
11096-82-5	Aroclor-1260	0.081	U	1	0.081	0.50	ug/L	10/28/25	pp102825
37324-23-5	Aroclor-1262	0.14	U	1	0.14	0.50	ug/L	10/28/25	pp102825
11100-14-4	Aroclor-1268	0.11	U	1	0.11	0.50	ug/L	10/28/25	pp102825
SURROGATES									
877-09-8	Tetrachloro-m-xylene	15.8			70 (60) - 130 (140)	79%	SPK: 20		
2051-24-3	Decachlorobiphenyl	15.1			70 (60) - 130 (140)	75%	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:	10/29/25
Project:	PVWC Linear Construction	Date Received:	10/29/25
Client Sample ID:	PIBLK-PP076152.D	SDG No.:	Q3466
Lab Sample ID:	I.BLK-PP076152.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	10/29/25	Pp102925
11104-28-2	Aroclor-1221	0.13	U	1	0.13	0.50	ug/L	10/29/25	Pp102925
11141-16-5	Aroclor-1232	0.096	U	1	0.096	0.50	ug/L	10/29/25	Pp102925
53469-21-9	Aroclor-1242	0.12	U	1	0.12	0.50	ug/L	10/29/25	Pp102925
12672-29-6	Aroclor-1248	0.071	U	1	0.071	0.50	ug/L	10/29/25	Pp102925
11097-69-1	Aroclor-1254	0.094	U	1	0.094	0.50	ug/L	10/29/25	Pp102925
11096-82-5	Aroclor-1260	0.081	U	1	0.081	0.50	ug/L	10/29/25	Pp102925
37324-23-5	Aroclor-1262	0.14	U	1	0.14	0.50	ug/L	10/29/25	Pp102925
11100-14-4	Aroclor-1268	0.11	U	1	0.11	0.50	ug/L	10/29/25	Pp102925
SURROGATES									
877-09-8	Tetrachloro-m-xylene	19.1			70 (60) - 130 (140)	95%	SPK: 20		
2051-24-3	Decachlorobiphenyl	16.9			70 (60) - 130 (140)	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

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	10/29/25
Project:	PVWC Linear Construction	Date Received:	10/29/25
Client Sample ID:	PIBLK-PP076163.D	SDG No.:	Q3466
Lab Sample ID:	I.BLK-PP076163.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	10/29/25	Pp102925
11104-28-2	Aroclor-1221	0.13	U	1	0.13	0.50	ug/L	10/29/25	Pp102925
11141-16-5	Aroclor-1232	0.096	U	1	0.096	0.50	ug/L	10/29/25	Pp102925
53469-21-9	Aroclor-1242	0.12	U	1	0.12	0.50	ug/L	10/29/25	Pp102925
12672-29-6	Aroclor-1248	0.071	U	1	0.071	0.50	ug/L	10/29/25	Pp102925
11097-69-1	Aroclor-1254	0.094	U	1	0.094	0.50	ug/L	10/29/25	Pp102925
11096-82-5	Aroclor-1260	0.081	U	1	0.081	0.50	ug/L	10/29/25	Pp102925
37324-23-5	Aroclor-1262	0.14	U	1	0.14	0.50	ug/L	10/29/25	Pp102925
11100-14-4	Aroclor-1268	0.11	U	1	0.11	0.50	ug/L	10/29/25	Pp102925
SURROGATES									
877-09-8	Tetrachloro-m-xylene	17.9			70 (60) - 130 (140)	89%	SPK: 20		
2051-24-3	Decachlorobiphenyl	16.4			70 (60) - 130 (140)	82%	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: **PP076153.D**

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	
Project:	PVWC Linear Construction	Date Received:	
Client Sample ID:	PB170282BS	SDG No.:	Q3466
Lab Sample ID:	PB170282BS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol: 10000 uL	Test: PCB
Prep Method:	SW3541	Prep Date 10/28/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	166		1	3.90	17.0	ug/kg	10/29/25 11:10	PB170282
11104-28-2	Aroclor-1221	4.00	U	1	4.00	17.0	ug/kg	10/29/25 11:10	PB170282
11141-16-5	Aroclor-1232	3.70	U	1	3.70	17.0	ug/kg	10/29/25 11:10	PB170282
53469-21-9	Aroclor-1242	4.00	U	1	4.00	17.0	ug/kg	10/29/25 11:10	PB170282
12672-29-6	Aroclor-1248	5.90	U	1	5.90	17.0	ug/kg	10/29/25 11:10	PB170282
11097-69-1	Aroclor-1254	3.20	U	1	3.20	17.0	ug/kg	10/29/25 11:10	PB170282
37324-23-5	Aroclor-1262	5.00	U	1	5.00	17.0	ug/kg	10/29/25 11:10	PB170282
11100-14-4	Aroclor-1268	3.60	U	1	3.60	17.0	ug/kg	10/29/25 11:10	PB170282
11096-82-5	Aroclor-1260	171		1	3.20	17.0	ug/kg	10/29/25 11:10	PB170282
SURROGATES									
877-09-8	Tetrachloro-m-xylene	21.8			30 (32) - 150 (144)	109%	SPK: 20		
2051-24-3	Decachlorobiphenyl	22.1			30 (32) - 150 (175)	110%	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: **PO114707.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:	10/24/25
Project:	PVWC Linear Construction	Date Received:	10/24/25
Client Sample ID:	SS-9R(4.5-5.0)MS	SDG No.:	Q3466
Lab Sample ID:	Q3461-01MS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	88.2
Sample Wt/Vol:	30.04 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541 Prep Date 10/28/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	211		1	4.50	19.2	ug/kg	10/28/25 14:00	PB170282
11104-28-2	Aroclor-1221	4.60	U	1	4.60	19.2	ug/kg	10/28/25 14:00	PB170282
11141-16-5	Aroclor-1232	4.20	U	1	4.20	19.2	ug/kg	10/28/25 14:00	PB170282
53469-21-9	Aroclor-1242	4.50	U	1	4.50	19.2	ug/kg	10/28/25 14:00	PB170282
12672-29-6	Aroclor-1248	6.70	U	1	6.70	19.2	ug/kg	10/28/25 14:00	PB170282
11097-69-1	Aroclor-1254	505	E	1	3.60	19.2	ug/kg	10/28/25 14:00	PB170282
37324-23-5	Aroclor-1262	5.70	U	1	5.70	19.2	ug/kg	10/28/25 14:00	PB170282
11100-14-4	Aroclor-1268	4.10	U	1	4.10	19.2	ug/kg	10/28/25 14:00	PB170282
11096-82-5	Aroclor-1260	326		1	3.70	19.2	ug/kg	10/28/25 14:00	PB170282
SURROGATES									
877-09-8	Tetrachloro-m-xylene	28.3			30 (32) - 150 (144)	142%	SPK: 20		
2051-24-3	Decachlorobiphenyl	24.8			30 (32) - 150 (175)	124%	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: **PO114708.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:	10/24/25
Project:	PVWC Linear Construction	Date Received:	10/24/25
Client Sample ID:	SS-9R(4.5-5.0)MSD	SDG No.:	Q3466
Lab Sample ID:	Q3461-01MSD	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	88.2
Sample Wt/Vol:	30.08 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541 Prep Date 10/28/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	226		1	4.50	19.2	ug/kg	10/28/25 14:19	PB170282
11104-28-2	Aroclor-1221	4.60	U	1	4.60	19.2	ug/kg	10/28/25 14:19	PB170282
11141-16-5	Aroclor-1232	4.20	U	1	4.20	19.2	ug/kg	10/28/25 14:19	PB170282
53469-21-9	Aroclor-1242	4.50	U	1	4.50	19.2	ug/kg	10/28/25 14:19	PB170282
12672-29-6	Aroclor-1248	6.70	U	1	6.70	19.2	ug/kg	10/28/25 14:19	PB170282
11097-69-1	Aroclor-1254	753	E	1	3.60	19.2	ug/kg	10/28/25 14:19	PB170282
37324-23-5	Aroclor-1262	5.70	U	1	5.70	19.2	ug/kg	10/28/25 14:19	PB170282
11100-14-4	Aroclor-1268	4.10	U	1	4.10	19.2	ug/kg	10/28/25 14:19	PB170282
11096-82-5	Aroclor-1260	392	E	1	3.70	19.2	ug/kg	10/28/25 14:19	PB170282
SURROGATES									
877-09-8	Tetrachloro-m-xylene	27.3			30 (32) - 150 (144)	137%	SPK: 20		
2051-24-3	Decachlorobiphenyl	23.1			30 (32) - 150 (175)	116%	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

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_O
Contract: HDRI08
SDG NO.: Q3466
Calibration Date(s): 10/09/2025 10/09/2025
Calibration Times: 14:14 22:29

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

LAB FILE ID: RT 1000 = PO114313.D RT 750 = PO114314.D
RT 500 = PO114315.D RT 250 = PO114316.D RT 050 = PO114317.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)	5.58	5.58	5.58	5.58	5.58	5.58	5.48	5.68
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)	7.08	7.08	7.08	7.08	7.07	7.08	6.98	7.18
Aroclor-1260-2	(2)	7.33	7.33	7.33	7.33	7.33	7.33	7.23	7.43
Aroclor-1260-3	(3)	7.69	7.69	7.69	7.69	7.69	7.69	7.59	7.79
Aroclor-1260-4	(4)	7.91	7.91	7.91	7.91	7.91	7.91	7.81	8.01
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		4.36	4.36	4.36	4.36	4.36	4.36	4.26	4.46
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	5.52	5.51	5.51	5.51	5.41	5.61
Aroclor-1242-3	(3)	5.58	5.58	5.58	5.58	5.58	5.58	5.48	5.68
Aroclor-1242-4	(4)	5.67	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1242-5	(5)	6.40	6.40	6.40	6.40	6.40	6.40	6.30	6.50
Decachlorobiphenyl		9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03
Tetrachloro-m-xylene		4.36	4.36	4.36	4.36	4.36	4.36	4.26	4.46
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)	6.36	6.36	6.36	6.36	6.36	6.36	6.26	6.46
Aroclor-1248-5	(5)	6.40	6.40	6.40	6.40	6.40	6.40	6.30	6.50
Decachlorobiphenyl		9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03
Tetrachloro-m-xylene		4.36	4.36	4.36	4.36	4.36	4.36	4.26	4.46
Aroclor-1254-1	(1)	6.34	6.34	6.33	6.34	6.34	6.34	6.24	6.44
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)	7.61	7.61	7.61	7.61	7.61	7.61	7.51	7.71
Decachlorobiphenyl		9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03
Tetrachloro-m-xylene		4.36	4.36	4.36	4.36	4.36	4.36	4.26	4.46
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	9.22	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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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	4.36	4.36	4.36	4.36	4.36	4.36	4.26	4.46

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_O
Contract: HDRI08
SDG NO.: Q3466
Calibration Date(s): 10/09/2025 10/09/2025
Calibration Times: 14:14 22:29

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PO114313.D RT 750 = PO114314.D
RT 500 = PO114315.D RT 250 = PO114316.D RT 050 = PO114317.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.74	4.74	4.74	4.74	4.74	4.74	4.64	4.84
Aroclor-1016-2	(2)	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Aroclor-1016-3	(3)	4.94	4.94	4.94	4.94	4.94	4.94	4.84	5.04
Aroclor-1016-4	(4)	4.98	4.98	4.98	4.98	4.98	4.98	4.88	5.08
Aroclor-1016-5	(5)	5.19	5.19	5.19	5.19	5.19	5.19	5.09	5.29
Aroclor-1260-1	(1)	6.23	6.23	6.23	6.23	6.23	6.23	6.13	6.33
Aroclor-1260-2	(2)	6.41	6.41	6.41	6.41	6.41	6.41	6.31	6.51
Aroclor-1260-3	(3)	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
Aroclor-1260-4	(4)	7.04	7.04	7.04	7.04	7.04	7.04	6.94	7.14
Aroclor-1260-5	(5)	7.28	7.28	7.28	7.28	7.28	7.28	7.18	7.38
Decachlorobiphenyl		8.67	8.67	8.67	8.67	8.67	8.67	8.57	8.77
Tetrachloro-m-xylene		3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76
Aroclor-1242-1	(1)	4.74	4.74	4.74	4.74	4.74	4.74	4.64	4.84
Aroclor-1242-2	(2)	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Aroclor-1242-3	(3)	4.94	4.94	4.94	4.94	4.94	4.94	4.84	5.04
Aroclor-1242-4	(4)	5.02	5.02	5.02	5.02	5.02	5.02	4.92	5.12
Aroclor-1242-5	(5)	5.54	5.54	5.54	5.54	5.54	5.54	5.44	5.64
Decachlorobiphenyl		8.67	8.67	8.67	8.67	8.67	8.67	8.57	8.77
Tetrachloro-m-xylene		3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76
Aroclor-1248-1	(1)	4.74	4.74	4.74	4.74	4.74	4.74	4.64	4.84
Aroclor-1248-2	(2)	4.98	4.98	4.98	4.98	4.98	4.98	4.88	5.08
Aroclor-1248-3	(3)	5.02	5.02	5.02	5.02	5.02	5.02	4.92	5.12
Aroclor-1248-4	(4)	5.19	5.19	5.19	5.19	5.19	5.19	5.09	5.29
Aroclor-1248-5	(5)	5.58	5.58	5.58	5.58	5.58	5.58	5.48	5.68
Decachlorobiphenyl		8.67	8.67	8.67	8.67	8.67	8.67	8.57	8.77
Tetrachloro-m-xylene		3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76
Aroclor-1254-1	(1)	5.54	5.54	5.54	5.54	5.54	5.54	5.44	5.64
Aroclor-1254-2	(2)	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Aroclor-1254-3	(3)	6.09	6.09	6.09	6.09	6.09	6.09	5.99	6.19
Aroclor-1254-4	(4)	6.32	6.32	6.32	6.32	6.32	6.32	6.22	6.42
Aroclor-1254-5	(5)	6.74	6.74	6.74	6.74	6.74	6.74	6.64	6.84
Decachlorobiphenyl		8.67	8.67	8.67	8.67	8.67	8.67	8.57	8.77
Tetrachloro-m-xylene		3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76
Aroclor-1268-1	(1)	7.56	7.56	7.56	7.56	7.56	7.56	7.46	7.66
Aroclor-1268-2	(2)	7.63	7.63	7.63	7.63	7.63	7.63	7.53	7.73
Aroclor-1268-3	(3)	7.84	7.84	7.84	7.84	7.84	7.84	7.74	7.94
Aroclor-1268-4	(4)	8.12	8.12	8.12	8.12	8.12	8.12	8.02	8.22
Aroclor-1268-5	(5)	8.41	8.41	8.41	8.41	8.41	8.41	8.31	8.51

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.67	8.67	8.67	8.67	8.67	8.67	8.57	8.77
Tetrachloro-m-xylene	3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_O

Contract: HDRI08
SDG NO.: Q3466
Calibration Date(s): 10/09/2025 10/09/2025
Calibration Times: 14:14 22:29

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

LAB FILE ID: CF 1000 = PO114313.D CF 750 = PO114314.D
CF 500 = PO114315.D CF 250 = PO114316.D CF 050 = PO114317.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	174192886	179895124	183856868	183322864	180520760	180357700	2
Aroclor-1016-2	(2)	293939915	305561101	305220730	315140900	301624180	304297365	3
Aroclor-1016-3	(3)	165633600	172668037	174260432	182505220	189193940	176852246	5
Aroclor-1016-4	(4)	134425999	138097755	140122574	142368188	132758060	137554515	3
Aroclor-1016-5	(5)	123446822	127769624	128908938	130194584	121008000	126265594	3
Aroclor-1260-1	(1)	213791672	221280347	222839010	218586200	213158120	217931070	2
Aroclor-1260-2	(2)	302622462	312056085	309594538	307167896	311081240	308504444	1
Aroclor-1260-3	(3)	259467311	268042008	265717042	260457100	228668800	256470452	6
Aroclor-1260-4	(4)	230199629	235131995	233767838	232769056	232729060	232919516	1
Aroclor-1260-5	(5)	586428065	605840996	593634282	581137220	533761820	580160477	5
Decachlorobiphenyl		3664039320	3792684880	3728036680	3664938040	3355866400	3641113064	5
Tetrachloro-m-xylene		5506498360	5677498373	5642459220	5552412920	4766000200	5428973815	7
Aroclor-1242-1	(1)	126706434	132179268	135020258	135246300	128666340	131563720	3
Aroclor-1242-2	(2)	212392946	219812959	222351800	226444372	216757700	219551955	2
Aroclor-1242-3	(3)	119144042	124121997	125717214	131545340	116119900	123329699	5
Aroclor-1242-4	(4)	99737299	101870191	102531118	105496736	103337180	102594505	2
Aroclor-1242-5	(5)	103047071	106230547	111781010	123521904	134589100	115833926	11
Decachlorobiphenyl		3803036960	3909619067	3861003240	3833959680	3524921000	3786507989	4
Tetrachloro-m-xylene		5804343740	5928892613	5893981820	5915994040	5454317000	5799505843	3
Aroclor-1248-1	(1)	98567829	102136305	106179528	101725532	83182260	98358291	9
Aroclor-1248-2	(2)	137892609	142528752	146526406	145313792	145562060	143564724	2
Aroclor-1248-3	(3)	151681692	159333787	163420432	159028692	160593320	158811585	3
Aroclor-1248-4	(4)	182190012	190636973	195926736	195051484	215146120	195790265	6
Aroclor-1248-5	(5)	174543681	183607891	190759426	202813192	249246460	200194130	15
Decachlorobiphenyl		3816291730	3937073800	3957474960	3763925080	3735520600	3842057234	3
Tetrachloro-m-xylene		5779379270	6044791093	6117390360	5832290520	5648377200	5884445689	3
Aroclor-1254-1	(1)	171902953	180224452	182326136	179059532	158754700	174453555	6
Aroclor-1254-2	(2)	248603985	257164111	266428592	263066468	238270000	254706631	4
Aroclor-1254-3	(3)	278966197	288101712	293337044	293741552	290556100	288940521	2
Aroclor-1254-4	(4)	232417367	241793461	248310406	242500032	218210100	236646273	5
Aroclor-1254-5	(5)	221022379	230048296	231810568	224607672	189890120	219475807	8
Decachlorobiphenyl		3792373920	3896541893	3936938560	3860958960	3451332800	3787629227	5
Tetrachloro-m-xylene		5822824890	5988302693	6053484060	5960886280	5298842000	5824867985	5
Aroclor-1268-1	(1)	742630944	763047828	755049378	744463164	658875500	732813363	6

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	632443459	650139448	640918178	630546628	553465960	621502735	6
Aroclor-1268-3	(3)	576556870	593571136	586459800	580217260	523967180	572154449	5
Aroclor-1268-4	(4)	239235256	248654241	247759484	273329844	226227580	247041281	7
Aroclor-1268-5	(5)	1713485078	1761561424	1737860666	1722182616	1634161480	1713850253	3
Decachlorobiphenyl		7124253780	7355062013	7282856320	7142144040	6358111400	7052485511	6
Tetrachloro-m-xylene		6131677880	6338649440	6321767300	6220727560	5845855000	6171735436	3

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_O

Contract: HDRI08
SDG NO.: Q3466
Calibration Date(s): 10/09/2025 10/09/2025
Calibration Times: 14:14 22:29

GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID: CF 1000 = PO114313.D CF 750 = PO114314.D
CF 500 = PO114315.D CF 250 = PO114316.D CF 050 = PO114317.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	158257841	168187716	172362186	178585052	164529320	168384423	5
Aroclor-1016-2	(2)	229568804	240612359	245734900	252904664	241358100	242035765	4
Aroclor-1016-3	(3)	119655603	124240307	128221016	131086968	117564320	124153643	5
Aroclor-1016-4	(4)	92316708	96506141	100242646	102698056	90863720	96525454	5
Aroclor-1016-5	(5)	119349433	124629577	128669076	134240076	132389300	127855492	5
Aroclor-1260-1	(1)	215558470	231498535	235626690	245673392	249059400	235483297	6
Aroclor-1260-2	(2)	315603721	330098711	337167224	350489224	338584660	334388708	4
Aroclor-1260-3	(3)	256430713	268520155	278444642	296438324	374872640	294941295	16
Aroclor-1260-4	(4)	211317075	223266731	226148960	232910768	220902880	222909283	4
Aroclor-1260-5	(5)	594775480	624015233	623481606	632255524	590282220	612962013	3
Decachlorobiphenyl		3170001190	3348740240	3399801360	3490868680	3256491400	3333180574	4
Tetrachloro-m-xylene		3928229090	4070663293	4096822280	4116538520	3799017800	4002254197	3
Aroclor-1242-1	(1)	122498620	129064381	131010080	137236660	133254420	130612832	4
Aroclor-1242-2	(2)	175860987	183257420	186752992	191657052	196407220	186787134	4
Aroclor-1242-3	(3)	92492282	96111452	98072652	99600996	92244160	95704308	3
Aroclor-1242-4	(4)	86300671	89905741	92299888	94852936	98359060	92343659	5
Aroclor-1242-5	(5)	113144641	119163080	122745918	127985400	129764100	122560628	6
Decachlorobiphenyl		3517109590	3681723480	3757541820	3835681800	3777005200	3713812378	3
Tetrachloro-m-xylene		4432077070	4412224160	4379772960	4471865640	4248743200	4388936606	2
Aroclor-1248-1	(1)	94570009	99404269	103594360	101758388	93150140	98495433	5
Aroclor-1248-2	(2)	125502158	133300196	137663402	137604864	136198920	134053908	4
Aroclor-1248-3	(3)	130740348	139010419	143306254	142181184	142470360	139541713	4
Aroclor-1248-4	(4)	154697640	163551519	169016486	167510084	167044800	164364106	4
Aroclor-1248-5	(5)	159814127	168355577	173516216	171305900	174900140	169578392	4
Decachlorobiphenyl		3661201490	3833278560	3951800380	3911090520	3937109200	3858896030	3
Tetrachloro-m-xylene		4430508460	4634013587	4677547100	4537709360	4261034200	4508162541	4
Aroclor-1254-1	(1)	247222467	259048601	270361008	279309448	272529160	265694137	5
Aroclor-1254-2	(2)	219192417	228941475	239248508	249551080	254226320	238231960	6
Aroclor-1254-3	(3)	340127494	353950264	366242670	368614488	343101920	354407367	4
Aroclor-1254-4	(4)	246402938	256874435	266498340	267498992	253508600	258156661	3
Aroclor-1254-5	(5)	309302184	322642697	332806976	330987116	305278780	320203551	4
Decachlorobiphenyl		3673134130	3816212200	3925129200	3949127480	3714385800	3815597762	3
Tetrachloro-m-xylene		4426752370	4520704027	4624441060	4560126680	4117729800	4449950787	4
Aroclor-1268-1	(1)	790806319	820672996	823414120	829776224	826084500	818150832	2

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	668389064	693704507	696355354	697040636	678270940	686752100	2
Aroclor-1268-3	(3)	577681654	598471028	600065844	598539168	577278220	590407183	2
Aroclor-1268-4	(4)	233329938	243075305	244332122	245097676	230283080	239223624	3
Aroclor-1268-5	(5)	1599907631	1653346000	1653968404	1645996908	1596574960	1629958781	2
Decachlorobiphenyl		6770675710	7072875573	7158178740	7244610400	7053861200	7060040325	3
Tetrachloro-m-xylene		4643395640	4793601640	4792629120	4749683120	4526037200	4701069344	2

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

Instrument ID: ECD_O **Date(s) Analyzed:** 10/09/2025 10/09/2025

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	4.56	4.46	4.66	65029800
		2	4.64	4.54	4.74	45851400
		3	4.71	4.61	4.81	150477000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.71	4.61	4.81	122061000
		2	5.23	5.13	5.33	54066000
		3	5.52	5.42	5.62	121355000
		4	5.67	5.57	5.77	54031600
		5	5.76	5.66	5.86	37348800
Aroclor-1262	500	1	7.69	7.59	7.79	365212000
		2	8.21	8.11	8.31	604682000
		3	8.52	8.42	8.62	365448000
		4	8.60	8.50	8.70	263614000
		5	9.22	9.12	9.32	214854000

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

Instrument ID: ECD_O **Date(s) Analyzed:** 10/09/2025 10/09/2025

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	3.87	3.77	3.97	54832000
		2	3.96	3.86	4.06	40465400
		3	4.03	3.93	4.13	128449000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.03	3.93	4.13	104652000
		2	4.76	4.66	4.86	102880000
		3	4.94	4.84	5.04	51237200
		4	5.02	4.92	5.12	43634600
		5	5.19	5.09	5.29	48052000
Aroclor-1262	500	1	6.78	6.68	6.88	425654000
		2	7.28	7.18	7.38	673478000
		3	7.56	7.46	7.66	276888000
		4	7.63	7.53	7.73	456530000
		5	8.12	8.02	8.22	210780000

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

Instrument ID: ECD_P **Calibration Date(s):** 10/21/2025 10/21/2025

Calibration Times: 09:06 17:01

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

LAB FILE ID: RT 1000 = PP075888.D RT 750 = PP075889.D

RT 500 = PP075890.D RT 250 = PP075891.D RT 050 = PP075892.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.80	5.80	5.80	5.80	5.80	5.80	5.70	5.90
Aroclor-1016-2	(2)	5.82	5.82	5.82	5.82	5.82	5.82	5.72	5.92
Aroclor-1016-3	(3)	5.88	5.88	5.88	5.88	5.88	5.88	5.78	5.98
Aroclor-1016-4	(4)	5.98	5.98	5.98	5.98	5.98	5.98	5.88	6.08
Aroclor-1016-5	(5)	6.27	6.27	6.27	6.27	6.27	6.27	6.17	6.37
Aroclor-1260-1	(1)	7.39	7.39	7.39	7.39	7.39	7.39	7.29	7.49
Aroclor-1260-2	(2)	7.64	7.64	7.64	7.64	7.64	7.64	7.54	7.74
Aroclor-1260-3	(3)	8.00	8.00	8.00	8.00	8.00	8.00	7.90	8.10
Aroclor-1260-4	(4)	8.23	8.23	8.23	8.23	8.23	8.23	8.13	8.33
Aroclor-1260-5	(5)	8.56	8.55	8.55	8.55	8.56	8.55	8.45	8.65
Decachlorobiphenyl		10.42	10.42	10.42	10.42	10.42	10.42	10.32	10.52
Tetrachloro-m-xylene		4.65	4.64	4.64	4.65	4.65	4.64	4.54	4.74
Aroclor-1242-1	(1)	5.80	5.80	5.80	5.80	5.80	5.80	5.70	5.90
Aroclor-1242-2	(2)	5.82	5.82	5.82	5.82	5.82	5.82	5.72	5.92
Aroclor-1242-3	(3)	5.88	5.88	5.88	5.88	5.88	5.88	5.78	5.98
Aroclor-1242-4	(4)	5.98	5.98	5.98	5.98	5.98	5.98	5.88	6.08
Aroclor-1242-5	(5)	6.71	6.71	6.71	6.71	6.71	6.71	6.61	6.81
Decachlorobiphenyl		10.42	10.42	10.42	10.42	10.42	10.42	10.32	10.52
Tetrachloro-m-xylene		4.65	4.64	4.65	4.65	4.65	4.65	4.55	4.75
Aroclor-1248-1	(1)	5.80	5.80	5.80	5.80	5.80	5.80	5.70	5.90
Aroclor-1248-2	(2)	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Aroclor-1248-3	(3)	6.27	6.27	6.27	6.27	6.27	6.27	6.17	6.37
Aroclor-1248-4	(4)	6.67	6.67	6.67	6.67	6.67	6.67	6.57	6.77
Aroclor-1248-5	(5)	6.71	6.71	6.71	6.71	6.71	6.71	6.61	6.81
Decachlorobiphenyl		10.43	10.42	10.42	10.42	10.42	10.42	10.32	10.52
Tetrachloro-m-xylene		4.65	4.64	4.65	4.65	4.65	4.65	4.55	4.75
Aroclor-1254-1	(1)	6.65	6.65	6.65	6.65	6.64	6.65	6.55	6.75
Aroclor-1254-2	(2)	6.86	6.86	6.87	6.86	6.86	6.86	6.76	6.96
Aroclor-1254-3	(3)	7.23	7.23	7.23	7.23	7.22	7.23	7.13	7.33
Aroclor-1254-4	(4)	7.51	7.51	7.51	7.51	7.50	7.51	7.41	7.61
Aroclor-1254-5	(5)	7.93	7.92	7.93	7.93	7.92	7.92	7.82	8.02
Decachlorobiphenyl		10.42	10.42	10.42	10.42	10.42	10.42	10.32	10.52
Tetrachloro-m-xylene		4.65	4.64	4.65	4.65	4.64	4.65	4.55	4.75
Aroclor-1268-1	(1)	8.88	8.88	8.88	8.88	8.88	8.88	8.78	8.98
Aroclor-1268-2	(2)	8.97	8.97	8.97	8.98	8.97	8.97	8.87	9.07
Aroclor-1268-3	(3)	9.21	9.21	9.21	9.21	9.21	9.21	9.11	9.31
Aroclor-1268-4	(4)	9.64	9.64	9.64	9.64	9.64	9.64	9.54	9.74
Aroclor-1268-5	(5)	10.07	10.07	10.07	10.07	10.07	10.07	9.97	10.17

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.42	10.42	10.42	10.43	10.42	10.42	10.32	10.52
Tetrachloro-m-xylene	4.65	4.65	4.65	4.65	4.65	4.65	4.55	4.75

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

Instrument ID: ECD_P **Calibration Date(s):** 10/21/2025 10/21/2025

Calibration Times: 09:06 17:01

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PP075888.D RT 750 = PP075889.D

RT 500 = PP075890.D RT 250 = PP075891.D RT 050 = PP075892.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.88	4.88	4.88	4.88	4.88	4.88	4.78	4.98
Aroclor-1016-2	(2)	4.94	4.94	4.94	4.94	4.94	4.94	4.84	5.04
Aroclor-1016-3	(3)	5.06	5.06	5.05	5.06	5.05	5.06	4.96	5.16
Aroclor-1016-4	(4)	5.10	5.10	5.10	5.10	5.09	5.10	5.00	5.20
Aroclor-1016-5	(5)	5.31	5.31	5.31	5.31	5.31	5.31	5.21	5.41
Aroclor-1260-1	(1)	6.34	6.34	6.34	6.34	6.34	6.34	6.24	6.44
Aroclor-1260-2	(2)	6.53	6.53	6.53	6.53	6.53	6.53	6.43	6.63
Aroclor-1260-3	(3)	6.68	6.68	6.68	6.68	6.68	6.68	6.58	6.78
Aroclor-1260-4	(4)	7.15	7.15	7.15	7.15	7.15	7.15	7.05	7.25
Aroclor-1260-5	(5)	7.39	7.39	7.39	7.39	7.39	7.39	7.29	7.49
Decachlorobiphenyl		8.78	8.78	8.78	8.78	8.78	8.78	8.68	8.88
Tetrachloro-m-xylene		3.78	3.78	3.78	3.78	3.78	3.78	3.68	3.88
Aroclor-1242-1	(1)	4.88	4.88	4.88	4.88	4.88	4.88	4.78	4.98
Aroclor-1242-2	(2)	4.94	4.94	4.94	4.94	4.94	4.94	4.84	5.04
Aroclor-1242-3	(3)	5.06	5.06	5.06	5.06	5.05	5.06	4.96	5.16
Aroclor-1242-4	(4)	5.14	5.14	5.14	5.14	5.14	5.14	5.04	5.24
Aroclor-1242-5	(5)	5.66	5.66	5.66	5.66	5.66	5.66	5.56	5.76
Decachlorobiphenyl		8.78	8.78	8.79	8.78	8.78	8.78	8.68	8.88
Tetrachloro-m-xylene		3.78	3.78	3.78	3.78	3.78	3.78	3.68	3.88
Aroclor-1248-1	(1)	4.88	4.88	4.88	4.88	4.87	4.88	4.78	4.98
Aroclor-1248-2	(2)	5.10	5.10	5.10	5.10	5.10	5.10	5.00	5.20
Aroclor-1248-3	(3)	5.14	5.14	5.14	5.14	5.14	5.14	5.04	5.24
Aroclor-1248-4	(4)	5.31	5.31	5.31	5.31	5.31	5.31	5.21	5.41
Aroclor-1248-5	(5)	5.70	5.70	5.70	5.70	5.73	5.71	5.61	5.81
Decachlorobiphenyl		8.78	8.78	8.78	8.78	8.78	8.78	8.68	8.88
Tetrachloro-m-xylene		3.78	3.78	3.78	3.78	3.78	3.78	3.68	3.88
Aroclor-1254-1	(1)	5.66	5.66	5.66	5.66	5.66	5.66	5.56	5.76
Aroclor-1254-2	(2)	5.81	5.81	5.81	5.81	5.81	5.81	5.71	5.91
Aroclor-1254-3	(3)	6.21	6.21	6.21	6.21	6.21	6.21	6.11	6.31
Aroclor-1254-4	(4)	6.44	6.44	6.44	6.44	6.43	6.44	6.34	6.54
Aroclor-1254-5	(5)	6.85	6.85	6.85	6.85	6.85	6.85	6.75	6.95
Decachlorobiphenyl		8.78	8.78	8.79	8.78	8.78	8.78	8.68	8.88
Tetrachloro-m-xylene		3.78	3.78	3.79	3.78	3.78	3.78	3.68	3.88
Aroclor-1268-1	(1)	7.67	7.67	7.67	7.67	7.67	7.67	7.57	7.77
Aroclor-1268-2	(2)	7.74	7.74	7.74	7.74	7.74	7.74	7.64	7.84
Aroclor-1268-3	(3)	7.94	7.94	7.94	7.94	7.94	7.94	7.84	8.04
Aroclor-1268-4	(4)	8.23	8.23	8.23	8.23	8.23	8.23	8.13	8.33
Aroclor-1268-5	(5)	8.53	8.53	8.53	8.53	8.53	8.53	8.43	8.63

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.79	8.78	8.79	8.79	8.79	8.79	8.69	8.89
Tetrachloro-m-xylene	3.78	3.78	3.79	3.79	3.79	3.78	3.68	3.88

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_P

Contract: HDRI08
SDG NO.: Q3466
Calibration Date(s): 10/21/2025 10/21/2025
Calibration Times: 09:06 17:01

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

LAB FILE ID: CF 1000 = PP075888.D CF 750 = PP075889.D
CF 500 = PP075890.D CF 250 = PP075891.D CF 050 = PP075892.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	53893845	57848439	60228768	63056856	60602640	59126110	6
Aroclor-1016-2	(2)	81387326	86593457	91038396	94931280	88270120	88444116	6
Aroclor-1016-3	(3)	50025937	53493744	56764402	59544472	56926600	55351031	7
Aroclor-1016-4	(4)	41815325	44617539	46982858	48544784	45240520	45440205	6
Aroclor-1016-5	(5)	39075321	41377448	43150568	44782124	48642160	43405524	8
Aroclor-1260-1	(1)	64655691	67908073	70553690	74100180	66565440	68756615	5
Aroclor-1260-2	(2)	80744063	85234851	88594752	93987136	99325680	89577296	8
Aroclor-1260-3	(3)	64964687	67552583	69003280	72715708	72196540	69286560	5
Aroclor-1260-4	(4)	65448766	70711301	72542976	74553116	59600740	68571380	9
Aroclor-1260-5	(5)	139384380	146230631	152452738	155039368	146650940	147951611	4
Decachlorobiphenyl		1012132950	1071302787	1124785220	1137889120	1036523400	1076526695	5
Tetrachloro-m-xylene		1370219590	1453116893	1490571040	1483020960	1348537200	1429093137	5
Aroclor-1242-1	(1)	44019933	46315467	47674416	50255084	51268840	47906748	6
Aroclor-1242-2	(2)	64942800	67715737	70979556	73767248	76553360	70791740	7
Aroclor-1242-3	(3)	40140584	42044764	44589646	47135032	54298900	45641785	12
Aroclor-1242-4	(4)	33543618	35162207	36420600	36967860	39702420	36359341	6
Aroclor-1242-5	(5)	36405140	38662289	41888622	39296052	48467620	40943945	11
Decachlorobiphenyl		1136280900	1209279307	1231278960	1289202560	1357807000	1244769745	7
Tetrachloro-m-xylene		1466601570	1512648573	1545825660	1595207720	1573043800	1538665465	3
Aroclor-1248-1	(1)	33471805	35785521	36963520	39121904	34010240	35870598	6
Aroclor-1248-2	(2)	44816839	47584043	49402910	52441868	49476340	48744400	6
Aroclor-1248-3	(3)	49477903	52446567	61105936	57335280	50958020	54264741	9
Aroclor-1248-4	(4)	60435029	64167197	67505182	72174088	67539280	66364155	7
Aroclor-1248-5	(5)	58134534	61713151	65347636	71297512	67810300	64860627	8
Decachlorobiphenyl		1140637530	1190681093	1243623480	1306886720	1250686400	1226503045	5
Tetrachloro-m-xylene		1468701040	1529744213	1558324940	1626496320	1450854600	1526824223	5
Aroclor-1254-1	(1)	66261960	71898345	78270020	82464920	100572060	79893461	16
Aroclor-1254-2	(2)	87851253	92570580	96669370	102809560	120020480	99984249	12
Aroclor-1254-3	(3)	92035771	96900691	99787992	105988040	125061300	103954759	12
Aroclor-1254-4	(4)	73136868	76689867	79390286	83967352	104884540	83613783	15
Aroclor-1254-5	(5)	85440842	89720104	92252192	95013656	95427040	91570767	5
Decachlorobiphenyl		1194970230	1245235800	1296058720	1332579960	1514859800	1316740902	9
Tetrachloro-m-xylene		1499217980	1559170693	1583264260	1614158480	1720822800	1595326843	5
Aroclor-1268-1	(1)	186733090	195066952	205606148	210022232	235253460	206536376	9

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	172486766	179135464	188184104	190078376	211424800	188261902	8
Aroclor-1268-3	(3)	145245892	150281380	156894280	158090072	165408840	155184093	5
Aroclor-1268-4	(4)	71036137	74805685	76392484	76627212	94373740	78647052	12
Aroclor-1268-5	(5)	446420076	458917541	475352492	479939416	541304600	480386825	8
Decachlorobiphenyl		1988394870	2075434813	2173906840	2211711440	2356033600	2161096313	6
Tetrachloro-m-xylene		1515083040	1549265533	1603737900	1591085800	1659449000	1583724255	3

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_P

Contract: HDRI08
SDG NO.: Q3466
Calibration Date(s): 10/21/2025 10/21/2025
Calibration Times: 09:06 17:01

GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID: CF 1000 = PP075888.D CF 750 = PP075889.D
CF 500 = PP075890.D CF 250 = PP075891.D CF 050 = PP075892.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	708597432	755130533	750168220	768814916	718149060	740172032	3
Aroclor-1016-2	(2)	344688013	362255933	349033076	368003724	285681000	341932349	10
Aroclor-1016-3	(3)	184756021	198805969	201689770	204443556	237017160	205342495	9
Aroclor-1016-4	(4)	185429480	195612065	193130110	203643812	156612400	186885573	10
Aroclor-1016-5	(5)	202087874	223186380	221264342	249936892	243439240	227982946	8
Aroclor-1260-1	(1)	519115007	547143451	551523748	550034516	570658900	547695124	3
Aroclor-1260-2	(2)	816933203	847057133	836099344	841169992	727408040	813733542	6
Aroclor-1260-3	(3)	571186815	591919587	603061842	595667512	451948620	562756875	11
Aroclor-1260-4	(4)	562542796	557220415	556309062	533352684	387232680	519331527	14
Aroclor-1260-5	(5)	1443277342	1495374137	1448146362	1379476524	1011499060	1355554685	15
Decachlorobiphenyl		7970697090	8448130240	8416417320	8375691800	7903993200	8222985930	3
Tetrachloro-m-xylene		6687145430	7018651333	6804923780	6758234840	5822487600	6618288597	7
Aroclor-1242-1	(1)	571147464	588341980	597723718	569760388	546790280	574752766	3
Aroclor-1242-2	(2)	271622570	270496133	289123856	291348184	264965740	277511297	4
Aroclor-1242-3	(3)	148417684	150685240	162169734	157714788	168071120	157411713	5
Aroclor-1242-4	(4)	195275059	191450107	210824584	191270784	136740280	185112163	15
Aroclor-1242-5	(5)	229588702	236959084	244202752	234962408	205474700	230237529	6
Decachlorobiphenyl		8905080650	8993413907	9094156860	9113318400	9309338200	9083061603	2
Tetrachloro-m-xylene		7556133750	7417192413	7366207320	7201170040	6123421000	7132824905	8
Aroclor-1248-1	(1)	362937087	375551145	389160858	390611340	359825360	375617158	4
Aroclor-1248-2	(2)	226906631	241863020	243838414	257801160	259130280	245907901	5
Aroclor-1248-3	(3)	258884180	267447340	286041186	300772772	321318420	286892780	9
Aroclor-1248-4	(4)	264944699	288582168	281543548	284810560	293675780	282711351	4
Aroclor-1248-5	(5)	531974990	530976477	538260328	580030476	417051840	519658822	12
Decachlorobiphenyl		8995204870	9175718960	9269974040	9050625160	7344080200	8767120646	9
Tetrachloro-m-xylene		7343926730	7496283907	7432157100	7125361600	5416154400	6962776747	13
Aroclor-1254-1	(1)	570889099	597066183	605466528	586480320	460097860	563999998	11
Aroclor-1254-2	(2)	484331632	496825463	519240264	512723972	637282480	530080762	12
Aroclor-1254-3	(3)	866771846	893592493	892235862	873540968	729313040	851090842	8
Aroclor-1254-4	(4)	656603428	687178148	673132272	636725912	495267720	629781496	12
Aroclor-1254-5	(5)	714919063	793859644	718111150	679323440	693198580	719882375	6
Decachlorobiphenyl		9294247170	9652211800	9737198260	9430246600	10010120400	9624804846	3
Tetrachloro-m-xylene		7467434200	7759548133	7675903540	7263970760	7005463400	7434464007	4
Aroclor-1268-1	(1)	1831610079	1813456776	1858863308	1732000476	1817331660	1810652460	3

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	1800363506	1772458256	1795415328	1662166904	1645167940	1735114387	4
Aroclor-1268-3	(3)	1369797429	1358701644	1402746042	1358715304	1345500120	1367092108	2
Aroclor-1268-4	(4)	542764588	536784571	540251440	501746924	465672060	517443917	6
Aroclor-1268-5	(5)	3855476951	3900359425	4013489614	3707995788	3381331260	3771730608	6
Decachlorobiphenyl		16718332370	16659738347	17037476180	16197346520	15850998600	16492778403	3
Tetrachloro-m-xylene		7499400880	7531972947	7553431460	7073074800	6855756800	7302727377	4

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

Instrument ID: ECD_P **Date(s) Analyzed:** 10/21/2025 10/21/2025

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	4.84	4.74	4.94	20176600
		2	4.93	4.83	5.03	15061400
		3	5.01	4.91	5.11	46915600
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	5.01	4.91	5.11	39314800
		2	5.53	5.43	5.63	20627600
		3	5.82	5.72	5.92	38639600
		4	5.98	5.88	6.08	20172600
		5	6.07	5.97	6.17	15662900
Aroclor-1262	500	1	8.23	8.13	8.33	84026000
		2	8.56	8.46	8.66	163669000
		3	8.88	8.78	8.98	121787000
		4	8.97	8.87	9.07	92111600
		5	9.64	9.54	9.74	67824600

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

Instrument ID: ECD_P **Date(s) Analyzed:** 10/21/2025 10/21/2025

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	3.99	3.89	4.09	90009000
		2	4.08	3.98	4.18	63177800
		3	4.15	4.05	4.25	212036000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.15	4.05	4.25	168044000
		2	4.88	4.78	4.98	297516000
		3	5.06	4.96	5.16	81766800
		4	5.14	5.04	5.24	84943400
		5	5.31	5.21	5.41	100651000
Aroclor-1262	500	1	6.89	6.79	6.99	986952000
		2	7.15	7.05	7.25	703208000
		3	7.67	7.57	7.77	606960000
		4	7.74	7.64	7.84	1101340000
		5	8.23	8.13	8.33	461492000

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

Continuing Calib Date: 10/28/2025 **Initial Calibration Date(s):** 10/09/2025 10/09/2025

Continuing Calib Time: 09:33 **Initial Calibration Time(s):** 14:14 22:29

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)	5.49	5.49	5.39	5.59	0.00
Aroclor-1016-2	(2)	5.51	5.51	5.41	5.61	0.00
Aroclor-1016-3	(3)	5.57	5.58	5.48	5.68	0.01
Aroclor-1016-4	(4)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-5	(5)	5.96	5.96	5.86	6.06	0.00
Aroclor-1260-1	(1)	7.07	7.08	6.98	7.18	0.01
Aroclor-1260-2	(2)	7.33	7.33	7.23	7.43	0.00
Aroclor-1260-3	(3)	7.68	7.69	7.59	7.79	0.01
Aroclor-1260-4	(4)	7.90	7.91	7.81	8.01	0.01
Aroclor-1260-5	(5)	8.21	8.21	8.11	8.31	0.00
Tetrachloro-m-xylene		4.35	4.36	4.26	4.46	0.01
Decachlorobiphenyl		9.93	9.93	9.83	10.03	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

Continuing Calib Date: 10/28/2025 **Initial Calibration Date(s):** 10/09/2025 10/09/2025

Continuing Calib Time: 09:33 **Initial Calibration Time(s):** 14:14 22:29

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)	4.73	4.74	4.64	4.84	0.01
Aroclor-1016-2	(2)	4.75	4.76	4.66	4.86	0.01
Aroclor-1016-3	(3)	4.93	4.94	4.84	5.04	0.01
Aroclor-1016-4	(4)	4.97	4.98	4.88	5.08	0.01
Aroclor-1016-5	(5)	5.18	5.19	5.09	5.29	0.01
Aroclor-1260-1	(1)	6.21	6.23	6.13	6.33	0.02
Aroclor-1260-2	(2)	6.40	6.41	6.31	6.51	0.01
Aroclor-1260-3	(3)	6.55	6.57	6.47	6.67	0.02
Aroclor-1260-4	(4)	7.02	7.04	6.94	7.14	0.02
Aroclor-1260-5	(5)	7.26	7.28	7.18	7.38	0.02
Tetrachloro-m-xylene		3.65	3.66	3.56	3.76	0.01
Decachlorobiphenyl		8.65	8.67	8.57	8.77	0.02

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/09/2025 10/09/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/28/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO114694.D **Time Analyzed:** 09:33

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.489	5.392	5.592	591.510	500.000	18.3
Aroclor-1016-2	5.510	5.414	5.614	563.860	500.000	12.8
Aroclor-1016-3	5.573	5.476	5.676	562.350	500.000	12.5
Aroclor-1016-4	5.668	5.571	5.771	594.810	500.000	19.0
Aroclor-1016-5	5.960	5.863	6.063	598.130	500.000	19.6
Aroclor-1260-1	7.072	6.975	7.175	577.060	500.000	15.4
Aroclor-1260-2	7.326	7.229	7.429	571.520	500.000	14.3
Aroclor-1260-3	7.682	7.585	7.785	552.490	500.000	10.5
Aroclor-1260-4	7.904	7.807	8.007	557.750	500.000	11.6
Aroclor-1260-5	8.211	8.113	8.313	529.700	500.000	5.9
Decachlorobiphenyl	9.929	9.834	10.034	53.140	50.000	6.3
Tetrachloro-m-xylene	4.350	4.255	4.455	58.410	50.000	16.8

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/09/2025 10/09/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/28/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO114694.D **Time Analyzed:** 09:33

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.733	4.643	4.843	465.960	500.000	-6.8
Aroclor-1016-2	4.752	4.662	4.862	503.000	500.000	0.6
Aroclor-1016-3	4.927	4.836	5.036	521.470	500.000	4.3
Aroclor-1016-4	4.968	4.879	5.079	530.080	500.000	6.0
Aroclor-1016-5	5.181	5.092	5.292	530.520	500.000	6.1
Aroclor-1260-1	6.212	6.125	6.325	556.560	500.000	11.3
Aroclor-1260-2	6.399	6.313	6.513	576.930	500.000	15.4
Aroclor-1260-3	6.552	6.466	6.666	534.140	500.000	6.8
Aroclor-1260-4	7.023	6.939	7.139	605.710	500.000	21.1
Aroclor-1260-5	7.263	7.179	7.379	583.620	500.000	16.7
Decachlorobiphenyl	8.648	8.571	8.771	50.690	50.000	1.4
Tetrachloro-m-xylene	3.654	3.560	3.760	50.130	50.000	0.3

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

Continuing Calib Date: 10/28/2025 **Initial Calibration Date(s):** 10/09/2025 10/09/2025

Continuing Calib Time: 15:28 **Initial Calibration Time(s):** 14:14 22:29

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)	5.49	5.49	5.39	5.59	0.00
Aroclor-1016-2	(2)	5.51	5.51	5.41	5.61	0.00
Aroclor-1016-3	(3)	5.57	5.58	5.48	5.68	0.01
Aroclor-1016-4	(4)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-5	(5)	5.96	5.96	5.86	6.06	0.00
Aroclor-1260-1	(1)	7.07	7.08	6.98	7.18	0.01
Aroclor-1260-2	(2)	7.33	7.33	7.23	7.43	0.00
Aroclor-1260-3	(3)	7.68	7.69	7.59	7.79	0.01
Aroclor-1260-4	(4)	7.91	7.91	7.81	8.01	0.00
Aroclor-1260-5	(5)	8.21	8.21	8.11	8.31	0.00
Tetrachloro-m-xylene		4.35	4.36	4.26	4.46	0.01
Decachlorobiphenyl		9.93	9.93	9.83	10.03	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

Continuing Calib Date: 10/28/2025 **Initial Calibration Date(s):** 10/09/2025 10/09/2025

Continuing Calib Time: 15:28 **Initial Calibration Time(s):** 14:14 22:29

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)	4.73	4.74	4.64	4.84	0.01
Aroclor-1016-2	(2)	4.75	4.76	4.66	4.86	0.01
Aroclor-1016-3	(3)	4.93	4.94	4.84	5.04	0.01
Aroclor-1016-4	(4)	4.97	4.98	4.88	5.08	0.01
Aroclor-1016-5	(5)	5.18	5.19	5.09	5.29	0.01
Aroclor-1260-1	(1)	6.21	6.23	6.13	6.33	0.02
Aroclor-1260-2	(2)	6.40	6.41	6.31	6.51	0.01
Aroclor-1260-3	(3)	6.55	6.57	6.47	6.67	0.02
Aroclor-1260-4	(4)	7.02	7.04	6.94	7.14	0.02
Aroclor-1260-5	(5)	7.26	7.28	7.18	7.38	0.02
Tetrachloro-m-xylene		3.65	3.66	3.56	3.76	0.01
Decachlorobiphenyl		8.65	8.67	8.57	8.77	0.02

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/09/2025 10/09/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/28/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO114709.D **Time Analyzed:** 15:28

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.489	5.392	5.592	556.400	500.000	11.3
Aroclor-1016-2	5.511	5.414	5.614	519.190	500.000	3.8
Aroclor-1016-3	5.573	5.476	5.676	520.180	500.000	4.0
Aroclor-1016-4	5.668	5.571	5.771	551.110	500.000	10.2
Aroclor-1016-5	5.960	5.863	6.063	557.680	500.000	11.5
Aroclor-1260-1	7.072	6.975	7.175	540.750	500.000	8.2
Aroclor-1260-2	7.326	7.229	7.429	531.910	500.000	6.4
Aroclor-1260-3	7.682	7.585	7.785	506.100	500.000	1.2
Aroclor-1260-4	7.905	7.807	8.007	514.930	500.000	3.0
Aroclor-1260-5	8.211	8.113	8.313	490.340	500.000	-1.9
Decachlorobiphenyl	9.932	9.834	10.034	49.160	50.000	-1.7
Tetrachloro-m-xylene	4.352	4.255	4.455	54.010	50.000	8.0

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/09/2025 10/09/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/28/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO114709.D **Time Analyzed:** 15:28

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.734	4.643	4.843	473.670	500.000	-5.3
Aroclor-1016-2	4.753	4.662	4.862	471.720	500.000	-5.7
Aroclor-1016-3	4.927	4.836	5.036	494.870	500.000	-1.0
Aroclor-1016-4	4.969	4.879	5.079	502.040	500.000	0.4
Aroclor-1016-5	5.181	5.092	5.292	501.730	500.000	0.3
Aroclor-1260-1	6.212	6.125	6.325	527.860	500.000	5.6
Aroclor-1260-2	6.399	6.313	6.513	540.510	500.000	8.1
Aroclor-1260-3	6.552	6.466	6.666	509.140	500.000	1.8
Aroclor-1260-4	7.023	6.939	7.139	577.700	500.000	15.5
Aroclor-1260-5	7.263	7.179	7.379	555.390	500.000	11.1
Decachlorobiphenyl	8.647	8.571	8.771	48.520	50.000	-3.0
Tetrachloro-m-xylene	3.654	3.560	3.760	46.400	50.000	-7.2

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

Continuing Calib Date: 10/28/2025 **Initial Calibration Date(s):** 10/21/2025 10/21/2025

Continuing Calib Time: 14:35 **Initial Calibration Time(s):** 09:06 17:01

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)	5.79	5.80	5.70	5.90	0.01
Aroclor-1016-2	(2)	5.81	5.82	5.72	5.92	0.01
Aroclor-1016-3	(3)	5.87	5.88	5.78	5.98	0.01
Aroclor-1016-4	(4)	5.97	5.98	5.88	6.08	0.01
Aroclor-1016-5	(5)	6.26	6.27	6.17	6.37	0.01
Aroclor-1260-1	(1)	7.38	7.39	7.29	7.49	0.01
Aroclor-1260-2	(2)	7.63	7.64	7.54	7.74	0.01
Aroclor-1260-3	(3)	7.99	8.00	7.90	8.10	0.01
Aroclor-1260-4	(4)	8.22	8.23	8.13	8.33	0.01
Aroclor-1260-5	(5)	8.54	8.55	8.45	8.65	0.01
Tetrachloro-m-xylene		4.64	4.64	4.54	4.74	0.00
Decachlorobiphenyl		10.41	10.42	10.32	10.52	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

Continuing Calib Date: 10/28/2025 **Initial Calibration Date(s):** 10/21/2025 10/21/2025

Continuing Calib Time: 14:35 **Initial Calibration Time(s):** 09:06 17:01

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)	4.87	4.88	4.78	4.98	0.01
Aroclor-1016-2	(2)	4.93	4.94	4.84	5.04	0.01
Aroclor-1016-3	(3)	5.05	5.05	4.95	5.15	0.00
Aroclor-1016-4	(4)	5.09	5.10	5.00	5.20	0.01
Aroclor-1016-5	(5)	5.31	5.31	5.21	5.41	0.01
Aroclor-1260-1	(1)	6.33	6.34	6.24	6.44	0.01
Aroclor-1260-2	(2)	6.52	6.53	6.43	6.63	0.01
Aroclor-1260-3	(3)	6.67	6.68	6.58	6.78	0.01
Aroclor-1260-4	(4)	7.14	7.15	7.05	7.25	0.01
Aroclor-1260-5	(5)	7.38	7.39	7.29	7.49	0.01
Tetrachloro-m-xylene		3.78	3.78	3.68	3.88	0.00
Decachlorobiphenyl		8.77	8.78	8.68	8.88	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2025 10/21/2025

Client Sample No.: CCAL03 **Date Analyzed:** 10/28/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP076126.D **Time Analyzed:** 14:35

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.790	5.695	5.895	515.540	500.000	3.1
Aroclor-1016-2	5.811	5.717	5.917	514.030	500.000	2.8
Aroclor-1016-3	5.874	5.780	5.980	515.830	500.000	3.2
Aroclor-1016-4	5.971	5.877	6.077	517.190	500.000	3.4
Aroclor-1016-5	6.263	6.169	6.369	506.700	500.000	1.3
Aroclor-1260-1	7.381	7.287	7.487	549.360	500.000	9.9
Aroclor-1260-2	7.633	7.540	7.740	521.250	500.000	4.3
Aroclor-1260-3	7.992	7.899	8.099	543.700	500.000	8.7
Aroclor-1260-4	8.219	8.127	8.327	558.900	500.000	11.8
Aroclor-1260-5	8.544	8.452	8.652	522.930	500.000	4.6
Decachlorobiphenyl	10.407	10.319	10.519	51.990	50.000	4.0
Tetrachloro-m-xylene	4.639	4.542	4.742	51.490	50.000	3.0

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2025 10/21/2025

Client Sample No.: CCAL03 **Date Analyzed:** 10/28/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP076126.D **Time Analyzed:** 14:35

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.871	4.778	4.978	546.360	500.000	9.3
Aroclor-1016-2	4.931	4.836	5.036	529.640	500.000	5.9
Aroclor-1016-3	5.050	4.954	5.154	509.890	500.000	2.0
Aroclor-1016-4	5.091	4.996	5.196	562.330	500.000	12.5
Aroclor-1016-5	5.305	5.210	5.410	515.240	500.000	3.0
Aroclor-1260-1	6.332	6.238	6.438	546.780	500.000	9.4
Aroclor-1260-2	6.519	6.425	6.625	556.220	500.000	11.2
Aroclor-1260-3	6.672	6.578	6.778	542.250	500.000	8.5
Aroclor-1260-4	7.140	7.047	7.247	548.730	500.000	9.7
Aroclor-1260-5	7.381	7.287	7.487	540.840	500.000	8.2
Decachlorobiphenyl	8.774	8.682	8.882	46.520	50.000	-7.0
Tetrachloro-m-xylene	3.779	3.681	3.881	56.460	50.000	12.9

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

Continuing Calib Date: 10/28/2025 **Initial Calibration Date(s):** 10/21/2025 10/21/2025

Continuing Calib Time: 19:44 **Initial Calibration Time(s):** 09:06 17:01

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)	5.79	5.80	5.70	5.90	0.01
Aroclor-1016-2	(2)	5.81	5.82	5.72	5.92	0.01
Aroclor-1016-3	(3)	5.88	5.88	5.78	5.98	0.00
Aroclor-1016-4	(4)	5.97	5.98	5.88	6.08	0.01
Aroclor-1016-5	(5)	6.26	6.27	6.17	6.37	0.01
Aroclor-1260-1	(1)	7.38	7.39	7.29	7.49	0.01
Aroclor-1260-2	(2)	7.63	7.64	7.54	7.74	0.01
Aroclor-1260-3	(3)	7.99	8.00	7.90	8.10	0.01
Aroclor-1260-4	(4)	8.22	8.23	8.13	8.33	0.01
Aroclor-1260-5	(5)	8.55	8.55	8.45	8.65	0.00
Tetrachloro-m-xylene		4.64	4.64	4.54	4.74	0.00
Decachlorobiphenyl		10.41	10.42	10.32	10.52	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

Continuing Calib Date: 10/28/2025 **Initial Calibration Date(s):** 10/21/2025 10/21/2025

Continuing Calib Time: 19:44 **Initial Calibration Time(s):** 09:06 17:01

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.87	4.88	4.78	4.98	0.01
Aroclor-1016-2	(2)	4.93	4.94	4.84	5.04	0.01
Aroclor-1016-3	(3)	5.05	5.05	4.95	5.15	0.00
Aroclor-1016-4	(4)	5.09	5.10	5.00	5.20	0.01
Aroclor-1016-5	(5)	5.31	5.31	5.21	5.41	0.00
Aroclor-1260-1	(1)	6.33	6.34	6.24	6.44	0.01
Aroclor-1260-2	(2)	6.52	6.53	6.43	6.63	0.01
Aroclor-1260-3	(3)	6.67	6.68	6.58	6.78	0.01
Aroclor-1260-4	(4)	7.14	7.15	7.05	7.25	0.01
Aroclor-1260-5	(5)	7.38	7.39	7.29	7.49	0.01
Tetrachloro-m-xylene		3.78	3.78	3.68	3.88	0.00
Decachlorobiphenyl		8.77	8.78	8.68	8.88	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2025 10/21/2025

Client Sample No.: CCAL04 **Date Analyzed:** 10/28/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP076142.D **Time Analyzed:** 19:44

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.791	5.695	5.895	509.290	500.000	1.9
Aroclor-1016-2	5.812	5.717	5.917	519.210	500.000	3.8
Aroclor-1016-3	5.875	5.780	5.980	512.070	500.000	2.4
Aroclor-1016-4	5.972	5.877	6.077	516.790	500.000	3.4
Aroclor-1016-5	6.264	6.169	6.369	506.220	500.000	1.2
Aroclor-1260-1	7.381	7.287	7.487	537.190	500.000	7.4
Aroclor-1260-2	7.634	7.540	7.740	504.740	500.000	0.9
Aroclor-1260-3	7.992	7.899	8.099	528.380	500.000	5.7
Aroclor-1260-4	8.220	8.127	8.327	563.830	500.000	12.8
Aroclor-1260-5	8.545	8.452	8.652	521.070	500.000	4.2
Decachlorobiphenyl	10.407	10.319	10.519	51.440	50.000	2.9
Tetrachloro-m-xylene	4.639	4.542	4.742	52.070	50.000	4.1

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2025 10/21/2025

Client Sample No.: CCAL04 **Date Analyzed:** 10/28/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP076142.D **Time Analyzed:** 19:44

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.874	4.778	4.978	557.140	500.000	11.4
Aroclor-1016-2	4.930	4.836	5.036	551.490	500.000	10.3
Aroclor-1016-3	5.051	4.954	5.154	511.650	500.000	2.3
Aroclor-1016-4	5.092	4.996	5.196	561.810	500.000	12.4
Aroclor-1016-5	5.306	5.210	5.410	532.360	500.000	6.5
Aroclor-1260-1	6.332	6.238	6.438	551.380	500.000	10.3
Aroclor-1260-2	6.519	6.425	6.625	539.130	500.000	7.8
Aroclor-1260-3	6.673	6.578	6.778	527.040	500.000	5.4
Aroclor-1260-4	7.141	7.047	7.247	563.200	500.000	12.6
Aroclor-1260-5	7.382	7.287	7.487	515.060	500.000	3.0
Decachlorobiphenyl	8.774	8.682	8.882	45.340	50.000	-9.3
Tetrachloro-m-xylene	3.779	3.681	3.881	55.170	50.000	10.3

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

Continuing Calib Date: 10/29/2025 **Initial Calibration Date(s):** 10/21/2025 10/21/2025

Continuing Calib Time: 09:48 **Initial Calibration Time(s):** 09:06 17:01

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)	5.79	5.80	5.70	5.90	0.01
Aroclor-1016-2	(2)	5.82	5.82	5.72	5.92	0.00
Aroclor-1016-3	(3)	5.88	5.88	5.78	5.98	0.00
Aroclor-1016-4	(4)	5.98	5.98	5.88	6.08	0.01
Aroclor-1016-5	(5)	6.27	6.27	6.17	6.37	0.00
Aroclor-1260-1	(1)	7.39	7.39	7.29	7.49	0.00
Aroclor-1260-2	(2)	7.64	7.64	7.54	7.74	0.00
Aroclor-1260-3	(3)	8.00	8.00	7.90	8.10	0.00
Aroclor-1260-4	(4)	8.22	8.23	8.13	8.33	0.01
Aroclor-1260-5	(5)	8.55	8.55	8.45	8.65	0.00
Tetrachloro-m-xylene		4.64	4.64	4.54	4.74	0.00
Decachlorobiphenyl		10.41	10.42	10.32	10.52	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

Continuing Calib Date: 10/29/2025 **Initial Calibration Date(s):** 10/21/2025 10/21/2025

Continuing Calib Time: 09:48 **Initial Calibration Time(s):** 09:06 17:01

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.88	4.88	4.78	4.98	0.00
Aroclor-1016-2	(2)	4.93	4.94	4.84	5.04	0.01
Aroclor-1016-3	(3)	5.05	5.05	4.95	5.15	0.00
Aroclor-1016-4	(4)	5.09	5.10	5.00	5.20	0.01
Aroclor-1016-5	(5)	5.31	5.31	5.21	5.41	0.00
Aroclor-1260-1	(1)	6.34	6.34	6.24	6.44	0.00
Aroclor-1260-2	(2)	6.52	6.53	6.43	6.63	0.01
Aroclor-1260-3	(3)	6.68	6.68	6.58	6.78	0.00
Aroclor-1260-4	(4)	7.14	7.15	7.05	7.25	0.01
Aroclor-1260-5	(5)	7.38	7.39	7.29	7.49	0.01
Tetrachloro-m-xylene		3.78	3.78	3.68	3.88	0.00
Decachlorobiphenyl		8.78	8.78	8.68	8.88	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2025 10/21/2025

Client Sample No.: CCAL05 **Date Analyzed:** 10/29/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP076148.D **Time Analyzed:** 09:48

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.794	5.695	5.895	527.180	500.000	5.4
Aroclor-1016-2	5.815	5.717	5.917	536.660	500.000	7.3
Aroclor-1016-3	5.878	5.780	5.980	527.600	500.000	5.5
Aroclor-1016-4	5.975	5.877	6.077	534.540	500.000	6.9
Aroclor-1016-5	6.267	6.169	6.369	523.280	500.000	4.7
Aroclor-1260-1	7.385	7.287	7.487	556.850	500.000	11.4
Aroclor-1260-2	7.638	7.540	7.740	522.670	500.000	4.5
Aroclor-1260-3	7.996	7.899	8.099	536.890	500.000	7.4
Aroclor-1260-4	8.223	8.127	8.327	567.900	500.000	13.6
Aroclor-1260-5	8.549	8.452	8.652	521.700	500.000	4.3
Decachlorobiphenyl	10.412	10.319	10.519	51.700	50.000	3.4
Tetrachloro-m-xylene	4.642	4.542	4.742	53.500	50.000	7.0

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2025 10/21/2025

Client Sample No.: CCAL05 **Date Analyzed:** 10/29/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP076148.D **Time Analyzed:** 09:48

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.876	4.778	4.978	524.950	500.000	5.0
Aroclor-1016-2	4.933	4.836	5.036	540.960	500.000	8.2
Aroclor-1016-3	5.053	4.954	5.154	506.660	500.000	1.3
Aroclor-1016-4	5.093	4.996	5.196	592.930	500.000	18.6
Aroclor-1016-5	5.308	5.210	5.410	524.670	500.000	4.9
Aroclor-1260-1	6.335	6.238	6.438	550.050	500.000	10.0
Aroclor-1260-2	6.521	6.425	6.625	564.370	500.000	12.9
Aroclor-1260-3	6.675	6.578	6.778	569.060	500.000	13.8
Aroclor-1260-4	7.143	7.047	7.247	584.200	500.000	16.8
Aroclor-1260-5	7.384	7.287	7.487	541.930	500.000	8.4
Decachlorobiphenyl	8.777	8.682	8.882	44.830	50.000	-10.3
Tetrachloro-m-xylene	3.782	3.681	3.881	55.500	50.000	11.0

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

Continuing Calib Date: 10/29/2025 **Initial Calibration Date(s):** 10/21/2025 10/21/2025

Continuing Calib Time: 13:54 **Initial Calibration Time(s):** 09:06 17:01

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)	5.79	5.80	5.70	5.90	0.01
Aroclor-1016-2	(2)	5.81	5.82	5.72	5.92	0.01
Aroclor-1016-3	(3)	5.88	5.88	5.78	5.98	0.00
Aroclor-1016-4	(4)	5.97	5.98	5.88	6.08	0.01
Aroclor-1016-5	(5)	6.27	6.27	6.17	6.37	0.00
Aroclor-1260-1	(1)	7.38	7.39	7.29	7.49	0.01
Aroclor-1260-2	(2)	7.64	7.64	7.54	7.74	0.00
Aroclor-1260-3	(3)	7.99	8.00	7.90	8.10	0.01
Aroclor-1260-4	(4)	8.22	8.23	8.13	8.33	0.01
Aroclor-1260-5	(5)	8.55	8.55	8.45	8.65	0.00
Tetrachloro-m-xylene		4.64	4.64	4.54	4.74	0.00
Decachlorobiphenyl		10.41	10.42	10.32	10.52	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

Continuing Calib Date: 10/29/2025 **Initial Calibration Date(s):** 10/21/2025 10/21/2025

Continuing Calib Time: 13:54 **Initial Calibration Time(s):** 09:06 17:01

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)	4.88	4.88	4.78	4.98	0.00
Aroclor-1016-2	(2)	4.93	4.94	4.84	5.04	0.01
Aroclor-1016-3	(3)	5.05	5.05	4.95	5.15	0.00
Aroclor-1016-4	(4)	5.09	5.10	5.00	5.20	0.01
Aroclor-1016-5	(5)	5.31	5.31	5.21	5.41	0.00
Aroclor-1260-1	(1)	6.34	6.34	6.24	6.44	0.00
Aroclor-1260-2	(2)	6.52	6.53	6.43	6.63	0.01
Aroclor-1260-3	(3)	6.68	6.68	6.58	6.78	0.00
Aroclor-1260-4	(4)	7.14	7.15	7.05	7.25	0.01
Aroclor-1260-5	(5)	7.38	7.39	7.29	7.49	0.01
Tetrachloro-m-xylene		3.78	3.78	3.68	3.88	0.00
Decachlorobiphenyl		8.78	8.78	8.68	8.88	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2025 10/21/2025

Client Sample No.: CCAL06 **Date Analyzed:** 10/29/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP076159.D **Time Analyzed:** 13:54

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.792	5.695	5.895	519.020	500.000	3.8
Aroclor-1016-2	5.814	5.717	5.917	524.310	500.000	4.9
Aroclor-1016-3	5.877	5.780	5.980	521.970	500.000	4.4
Aroclor-1016-4	5.974	5.877	6.077	532.020	500.000	6.4
Aroclor-1016-5	6.266	6.169	6.369	509.200	500.000	1.8
Aroclor-1260-1	7.383	7.287	7.487	555.450	500.000	11.1
Aroclor-1260-2	7.636	7.540	7.740	519.380	500.000	3.9
Aroclor-1260-3	7.994	7.899	8.099	530.420	500.000	6.1
Aroclor-1260-4	8.222	8.127	8.327	563.120	500.000	12.6
Aroclor-1260-5	8.547	8.452	8.652	512.640	500.000	2.5
Decachlorobiphenyl	10.410	10.319	10.519	51.560	50.000	3.1
Tetrachloro-m-xylene	4.641	4.542	4.742	52.610	50.000	5.2

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **SDG NO.:** Q3466

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2025 10/21/2025

Client Sample No.: CCAL06 **Date Analyzed:** 10/29/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP076159.D **Time Analyzed:** 13:54

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.875	4.778	4.978	531.490	500.000	6.3
Aroclor-1016-2	4.934	4.836	5.036	528.010	500.000	5.6
Aroclor-1016-3	5.052	4.954	5.154	514.810	500.000	3.0
Aroclor-1016-4	5.094	4.996	5.196	559.270	500.000	11.9
Aroclor-1016-5	5.308	5.210	5.410	508.700	500.000	1.7
Aroclor-1260-1	6.335	6.238	6.438	544.530	500.000	8.9
Aroclor-1260-2	6.522	6.425	6.625	525.290	500.000	5.1
Aroclor-1260-3	6.676	6.578	6.778	522.330	500.000	4.5
Aroclor-1260-4	7.144	7.047	7.247	521.530	500.000	4.3
Aroclor-1260-5	7.384	7.287	7.487	492.810	500.000	-1.4
Decachlorobiphenyl	8.777	8.682	8.882	43.210	50.000	-13.6
Tetrachloro-m-xylene	3.781	3.681	3.881	56.470	50.000	12.9

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Analytical Sequence

Client: HDR, Inc. **SDG No.:** Q3466

Project: PVWC Linear Construction **Instrument ID:** ECD_O

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/09/2025 10/09/2025

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	10/09/2025	13:55	PO114312.D	9.93	4.36
AR1660ICC1000	AR1660ICC1000	10/09/2025	14:14	PO114313.D	9.93	4.36
AR1660ICC750	AR1660ICC750	10/09/2025	14:32	PO114314.D	9.93	4.36
AR1660ICC500	AR1660ICC500	10/09/2025	14:50	PO114315.D	9.93	4.36
AR1660ICC250	AR1660ICC250	10/09/2025	15:09	PO114316.D	9.93	4.36
AR1660ICC050	AR1660ICC050	10/09/2025	15:27	PO114317.D	9.93	4.36
AR1221ICC500	AR1221ICC500	10/09/2025	15:45	PO114318.D	9.93	4.36
AR1232ICC500	AR1232ICC500	10/09/2025	16:04	PO114319.D	9.93	4.36
AR1242ICC1000	AR1242ICC1000	10/09/2025	16:22	PO114320.D	9.93	4.36
AR1242ICC750	AR1242ICC750	10/09/2025	16:40	PO114321.D	9.93	4.36
AR1242ICC500	AR1242ICC500	10/09/2025	16:59	PO114322.D	9.93	4.36
AR1242ICC250	AR1242ICC250	10/09/2025	17:17	PO114323.D	9.93	4.36
AR1242ICC050	AR1242ICC050	10/09/2025	17:35	PO114324.D	9.93	4.36
AR1248ICC1000	AR1248ICC1000	10/09/2025	17:54	PO114325.D	9.93	4.36
AR1248ICC750	AR1248ICC750	10/09/2025	18:12	PO114326.D	9.93	4.36
AR1248ICC500	AR1248ICC500	10/09/2025	18:30	PO114327.D	9.93	4.36
AR1248ICC250	AR1248ICC250	10/09/2025	18:49	PO114328.D	9.93	4.36
AR1248ICC050	AR1248ICC050	10/09/2025	19:07	PO114329.D	9.93	4.36
AR1254ICC1000	AR1254ICC1000	10/09/2025	19:26	PO114330.D	9.93	4.36
AR1254ICC750	AR1254ICC750	10/09/2025	19:44	PO114331.D	9.93	4.36
AR1254ICC500	AR1254ICC500	10/09/2025	20:02	PO114332.D	9.93	4.36
AR1254ICC250	AR1254ICC250	10/09/2025	20:21	PO114333.D	9.93	4.36
AR1254ICC050	AR1254ICC050	10/09/2025	20:39	PO114334.D	9.93	4.36
AR1262ICC500	AR1262ICC500	10/09/2025	20:57	PO114335.D	9.93	4.36
AR1268ICC1000	AR1268ICC1000	10/09/2025	21:16	PO114336.D	9.93	4.36
AR1268ICC750	AR1268ICC750	10/09/2025	21:34	PO114337.D	9.93	4.36
AR1268ICC500	AR1268ICC500	10/09/2025	21:52	PO114338.D	9.93	4.36
AR1268ICC250	AR1268ICC250	10/09/2025	22:11	PO114339.D	9.93	4.36
AR1268ICC050	AR1268ICC050	10/09/2025	22:29	PO114340.D	9.93	4.36
AR1660CCC500	AR1660CCC500	10/28/2025	09:33	PO114694.D	9.93	4.35
I.BLK	I.BLK	10/28/2025	11:23	PO114699.D	9.93	4.35
SS-9R(4.5-5.0)MS	Q3461-01MS	10/28/2025	14:00	PO114707.D	9.93	4.35
SS-9R(4.5-5.0)MSD	Q3461-01MSD	10/28/2025	14:19	PO114708.D	9.93	4.35
AR1660CCC500	AR1660CCC500	10/28/2025	15:28	PO114709.D	9.93	4.35
I.BLK	I.BLK	10/28/2025	16:41	PO114713.D	9.93	4.35
I.BLK	I.BLK	10/21/2025	08:49	PP075887.D	10.42	4.64
AR1660ICC1000	AR1660ICC1000	10/21/2025	09:06	PP075888.D	10.42	4.65
AR1660ICC750	AR1660ICC750	10/21/2025	09:22	PP075889.D	10.42	4.64
AR1660ICC500	AR1660ICC500	10/21/2025	09:38	PP075890.D	10.42	4.64
AR1660ICC250	AR1660ICC250	10/21/2025	09:54	PP075891.D	10.42	4.65
AR1660ICC050	AR1660ICC050	10/21/2025	10:11	PP075892.D	10.42	4.65
AR1221ICC500	AR1221ICC500	10/21/2025	10:27	PP075893.D	10.42	4.64

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Analytical Sequence

AR1232ICC500	AR1232ICC500	10/21/2025	10:43	PP075894.D	10.42	4.64
AR1242ICC1000	AR1242ICC1000	10/21/2025	10:59	PP075895.D	10.42	4.65
AR1242ICC750	AR1242ICC750	10/21/2025	11:16	PP075896.D	10.42	4.64
AR1242ICC500	AR1242ICC500	10/21/2025	11:48	PP075897.D	10.42	4.65
AR1242ICC250	AR1242ICC250	10/21/2025	12:04	PP075898.D	10.42	4.65
AR1242ICC050	AR1242ICC050	10/21/2025	12:21	PP075899.D	10.42	4.65
AR1248ICC1000	AR1248ICC1000	10/21/2025	12:41	PP075900.D	10.43	4.65
AR1248ICC750	AR1248ICC750	10/21/2025	12:57	PP075901.D	10.42	4.64
AR1248ICC500	AR1248ICC500	10/21/2025	13:13	PP075902.D	10.42	4.65
AR1248ICC250	AR1248ICC250	10/21/2025	13:30	PP075903.D	10.42	4.65
AR1248ICC050	AR1248ICC050	10/21/2025	13:46	PP075904.D	10.42	4.65
AR1254ICC1000	AR1254ICC1000	10/21/2025	14:02	PP075905.D	10.42	4.65
AR1254ICC750	AR1254ICC750	10/21/2025	14:18	PP075906.D	10.42	4.64
AR1254ICC500	AR1254ICC500	10/21/2025	14:35	PP075907.D	10.42	4.65
AR1254ICC250	AR1254ICC250	10/21/2025	14:51	PP075908.D	10.42	4.65
AR1254ICC050	AR1254ICC050	10/21/2025	15:07	PP075909.D	10.42	4.64
AR1262ICC500	AR1262ICC500	10/21/2025	15:40	PP075910.D	10.43	4.65
AR1268ICC1000	AR1268ICC1000	10/21/2025	15:56	PP075911.D	10.42	4.65
AR1268ICC750	AR1268ICC750	10/21/2025	16:12	PP075912.D	10.42	4.65
AR1268ICC500	AR1268ICC500	10/21/2025	16:29	PP075913.D	10.42	4.65
AR1268ICC250	AR1268ICC250	10/21/2025	16:45	PP075914.D	10.43	4.65
AR1268ICC050	AR1268ICC050	10/21/2025	17:01	PP075915.D	10.42	4.65
AR1660CCC500	AR1660CCC500	10/28/2025	14:35	PP076126.D	10.41	4.64
I.BLK	I.BLK	10/28/2025	15:57	PP076131.D	10.41	4.64
PB170282BL	PB170282BL	10/28/2025	16:13	PP076132.D	10.41	4.64
B8-0.0-1.0-20251023	Q3466-02	10/28/2025	17:02	PP076135.D	10.41	4.64
B9-0.0-1.0-20251023	Q3466-05	10/28/2025	17:18	PP076136.D	10.41	4.64
B7-1.0-2.0-20251023	Q3466-07	10/28/2025	17:34	PP076137.D	10.41	4.64
AR1660CCC500	AR1660CCC500	10/28/2025	19:44	PP076142.D	10.41	4.64
I.BLK	I.BLK	10/28/2025	21:21	PP076146.D	10.41	4.64
AR1660CCC500	AR1660CCC500	10/29/2025	09:48	PP076148.D	10.41	4.64
I.BLK	I.BLK	10/29/2025	10:53	PP076152.D	10.41	4.64
PB170282BS	PB170282BS	10/29/2025	11:10	PP076153.D	10.41	4.64
AR1660CCC500	AR1660CCC500	10/29/2025	13:54	PP076159.D	10.41	4.64
I.BLK	I.BLK	10/29/2025	14:59	PP076163.D	10.42	4.64

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Analytical Sequence

Client: HDR, Inc. **SDG No.:** Q3466

Project: PVWC Linear Construction **Instrument ID:** ECD_O

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/09/2025 10/09/2025

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	10/09/2025	13:55	PO114312.D	8.67	3.66
AR1660ICC1000	AR1660ICC1000	10/09/2025	14:14	PO114313.D	8.67	3.66
AR1660ICC750	AR1660ICC750	10/09/2025	14:32	PO114314.D	8.67	3.66
AR1660ICC500	AR1660ICC500	10/09/2025	14:50	PO114315.D	8.67	3.66
AR1660ICC250	AR1660ICC250	10/09/2025	15:09	PO114316.D	8.67	3.66
AR1660ICC050	AR1660ICC050	10/09/2025	15:27	PO114317.D	8.67	3.66
AR1221ICC500	AR1221ICC500	10/09/2025	15:45	PO114318.D	8.67	3.66
AR1232ICC500	AR1232ICC500	10/09/2025	16:04	PO114319.D	8.67	3.66
AR1242ICC1000	AR1242ICC1000	10/09/2025	16:22	PO114320.D	8.67	3.66
AR1242ICC750	AR1242ICC750	10/09/2025	16:40	PO114321.D	8.67	3.66
AR1242ICC500	AR1242ICC500	10/09/2025	16:59	PO114322.D	8.67	3.66
AR1242ICC250	AR1242ICC250	10/09/2025	17:17	PO114323.D	8.67	3.66
AR1242ICC050	AR1242ICC050	10/09/2025	17:35	PO114324.D	8.67	3.66
AR1248ICC1000	AR1248ICC1000	10/09/2025	17:54	PO114325.D	8.67	3.66
AR1248ICC750	AR1248ICC750	10/09/2025	18:12	PO114326.D	8.67	3.66
AR1248ICC500	AR1248ICC500	10/09/2025	18:30	PO114327.D	8.67	3.66
AR1248ICC250	AR1248ICC250	10/09/2025	18:49	PO114328.D	8.67	3.66
AR1248ICC050	AR1248ICC050	10/09/2025	19:07	PO114329.D	8.67	3.66
AR1254ICC1000	AR1254ICC1000	10/09/2025	19:26	PO114330.D	8.67	3.66
AR1254ICC750	AR1254ICC750	10/09/2025	19:44	PO114331.D	8.67	3.66
AR1254ICC500	AR1254ICC500	10/09/2025	20:02	PO114332.D	8.67	3.66
AR1254ICC250	AR1254ICC250	10/09/2025	20:21	PO114333.D	8.67	3.66
AR1254ICC050	AR1254ICC050	10/09/2025	20:39	PO114334.D	8.67	3.66
AR1262ICC500	AR1262ICC500	10/09/2025	20:57	PO114335.D	8.67	3.66
AR1268ICC1000	AR1268ICC1000	10/09/2025	21:16	PO114336.D	8.67	3.66
AR1268ICC750	AR1268ICC750	10/09/2025	21:34	PO114337.D	8.67	3.66
AR1268ICC500	AR1268ICC500	10/09/2025	21:52	PO114338.D	8.67	3.66
AR1268ICC250	AR1268ICC250	10/09/2025	22:11	PO114339.D	8.67	3.66
AR1268ICC050	AR1268ICC050	10/09/2025	22:29	PO114340.D	8.67	3.66
AR1660CCC500	AR1660CCC500	10/28/2025	09:33	PO114694.D	8.65	3.65
I.BLK	I.BLK	10/28/2025	11:23	PO114699.D	8.65	3.65
SS-9R(4.5-5.0)MS	Q3461-01MS	10/28/2025	14:00	PO114707.D	8.65	3.65
SS-9R(4.5-5.0)MSD	Q3461-01MSD	10/28/2025	14:19	PO114708.D	8.65	3.65
AR1660CCC500	AR1660CCC500	10/28/2025	15:28	PO114709.D	8.65	3.65
I.BLK	I.BLK	10/28/2025	16:41	PO114713.D	8.65	3.65
I.BLK	I.BLK	10/21/2025	08:49	PP075887.D	8.78	3.78
AR1660ICC1000	AR1660ICC1000	10/21/2025	09:06	PP075888.D	8.78	3.78
AR1660ICC750	AR1660ICC750	10/21/2025	09:22	PP075889.D	8.78	3.78
AR1660ICC500	AR1660ICC500	10/21/2025	09:38	PP075890.D	8.78	3.78
AR1660ICC250	AR1660ICC250	10/21/2025	09:54	PP075891.D	8.78	3.78
AR1660ICC050	AR1660ICC050	10/21/2025	10:11	PP075892.D	8.78	3.78
AR1221ICC500	AR1221ICC500	10/21/2025	10:27	PP075893.D	8.78	3.78

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Analytical Sequence

AR1232ICC500	AR1232ICC500	10/21/2025	10:43	PP075894.D	8.78	3.78
AR1242ICC1000	AR1242ICC1000	10/21/2025	10:59	PP075895.D	8.78	3.78
AR1242ICC750	AR1242ICC750	10/21/2025	11:16	PP075896.D	8.78	3.78
AR1242ICC500	AR1242ICC500	10/21/2025	11:48	PP075897.D	8.79	3.78
AR1242ICC250	AR1242ICC250	10/21/2025	12:04	PP075898.D	8.78	3.78
AR1242ICC050	AR1242ICC050	10/21/2025	12:21	PP075899.D	8.78	3.78
AR1248ICC1000	AR1248ICC1000	10/21/2025	12:41	PP075900.D	8.78	3.78
AR1248ICC750	AR1248ICC750	10/21/2025	12:57	PP075901.D	8.78	3.78
AR1248ICC500	AR1248ICC500	10/21/2025	13:13	PP075902.D	8.78	3.78
AR1248ICC250	AR1248ICC250	10/21/2025	13:30	PP075903.D	8.78	3.78
AR1248ICC050	AR1248ICC050	10/21/2025	13:46	PP075904.D	8.78	3.78
AR1254ICC1000	AR1254ICC1000	10/21/2025	14:02	PP075905.D	8.78	3.78
AR1254ICC750	AR1254ICC750	10/21/2025	14:18	PP075906.D	8.78	3.78
AR1254ICC500	AR1254ICC500	10/21/2025	14:35	PP075907.D	8.79	3.79
AR1254ICC250	AR1254ICC250	10/21/2025	14:51	PP075908.D	8.78	3.78
AR1254ICC050	AR1254ICC050	10/21/2025	15:07	PP075909.D	8.78	3.78
AR1262ICC500	AR1262ICC500	10/21/2025	15:40	PP075910.D	8.79	3.79
AR1268ICC1000	AR1268ICC1000	10/21/2025	15:56	PP075911.D	8.79	3.78
AR1268ICC750	AR1268ICC750	10/21/2025	16:12	PP075912.D	8.78	3.78
AR1268ICC500	AR1268ICC500	10/21/2025	16:29	PP075913.D	8.79	3.79
AR1268ICC250	AR1268ICC250	10/21/2025	16:45	PP075914.D	8.79	3.79
AR1268ICC050	AR1268ICC050	10/21/2025	17:01	PP075915.D	8.79	3.79
AR1660CCC500	AR1660CCC500	10/28/2025	14:35	PP076126.D	8.77	3.78
I.BLK	I.BLK	10/28/2025	15:57	PP076131.D	8.77	3.78
PB170282BL	PB170282BL	10/28/2025	16:13	PP076132.D	8.78	3.78
B8-0.0-1.0-20251023	Q3466-02	10/28/2025	17:02	PP076135.D	8.78	3.78
B9-0.0-1.0-20251023	Q3466-05	10/28/2025	17:18	PP076136.D	8.78	3.78
B7-1.0-2.0-20251023	Q3466-07	10/28/2025	17:34	PP076137.D	8.77	3.78
AR1660CCC500	AR1660CCC500	10/28/2025	19:44	PP076142.D	8.77	3.78
I.BLK	I.BLK	10/28/2025	21:21	PP076146.D	8.77	3.78
AR1660CCC500	AR1660CCC500	10/29/2025	09:48	PP076148.D	8.78	3.78
I.BLK	I.BLK	10/29/2025	10:53	PP076152.D	8.78	3.78
PB170282BS	PB170282BS	10/29/2025	11:10	PP076153.D	8.78	3.78
AR1660CCC500	AR1660CCC500	10/29/2025	13:54	PP076159.D	8.78	3.78
I.BLK	I.BLK	10/29/2025	14:59	PP076163.D	8.78	3.78

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Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.: SS-9R(4.5-5.0)MS

Lab Name: Alliance | Contract: HDRI08

Lab Code: ACE | SDG NO.: Q3466

Lab Sample ID: Q3461-01MS | Date(s) Analyzed: 10/28/2025 10/28/2025

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

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

Data file: PO114707.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.489	5.439	5.539	198		
	2	5.511	5.461	5.561	186		
	3	5.572	5.522	5.622	181		
COLUMN 1	4	5.668	5.618	5.718	197		
	5	5.959	5.909	6.009	284	209	
	1	4.732	4.682	4.782	164		
	2	4.752	4.702	4.802	166		
	3	4.927	4.877	4.977	172		
	4	4.969	4.919	5.019	308		
COLUMN 2	5	5.181	5.131	5.231	246	211	0.95
Aroclor-1254	1	6.332	6.282	6.382	420		
	2	6.548	6.498	6.598	455		
	3	6.908	6.858	6.958	464		
COLUMN 1	4	7.189	7.139	7.239	471		
	5	7.604	7.554	7.654	712	505	
	1	5.532	5.482	5.582	304		
	2	5.68	5.63	5.73	366		
	3	6.081	6.031	6.131	487		
	4	6.308	6.258	6.358	397		
COLUMN 2	5	6.725	6.675	6.775	580	427	16.74

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

Aroclor-1260	1	7.073	7.023	7.123	410		
	2	7.327	7.277	7.377	371		
	3	7.683	7.633	7.733	193		
COLUMN 1	4	7.903	7.853	7.953	372		
	5	8.212	8.162	8.262	185	306	
	1	6.212	6.162	6.262	449		
	2	6.399	6.349	6.449	378		
	3	6.551	6.501	6.601	366		
	4	7.023	6.973	7.073	190		
COLUMN 2	5	7.263	7.213	7.313	247	326	6.33

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

SS-9R(4.5-5.0)MSD

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG NO.: Q3466

Lab Sample ID: Q3461-01MSD Date(s) Analyzed: 10/28/2025 10/28/2025

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

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

Data file PO114708.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.488	5.438	5.538	184		
	2	5.51	5.46	5.56	176		
	3	5.572	5.522	5.622	169		
COLUMN 1	4	5.668	5.618	5.718	183		
	5	5.959	5.909	6.009	325	207	
	1	4.731	4.681	4.781	154		
	2	4.751	4.701	4.801	156		
	3	4.925	4.875	4.975	161		
	4	4.968	4.918	5.018	381		
COLUMN 2	5	5.179	5.129	5.229	280	226	8.78
Aroclor-1254	1	6.332	6.282	6.382	619		
	2	6.548	6.498	6.598	697		
	3	6.907	6.857	6.957	730		
COLUMN 1	4	7.189	7.139	7.239	751		
	5	7.604	7.554	7.654	967	753	
	1	5.531	5.481	5.581	448		
	2	5.678	5.628	5.728	555		
	3	6.08	6.03	6.13	709		
	4	6.307	6.257	6.357	633		
COLUMN 2	5	6.725	6.675	6.775	848	639	16.38

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

Aroclor-1260	1	7.073	7.023	7.123	541		
	2	7.326	7.276	7.376	479		
	3	7.682	7.632	7.732	189		
COLUMN 1	4	7.889	7.839	7.939	448		
	5	8.211	8.161	8.261	190	369	
	1	6.211	6.161	6.261	607		
	2	6.399	6.349	6.449	482		
	3	6.55	6.5	6.6	468		
	4	7.022	6.972	7.072	208		
COLUMN 2	5	7.262	7.212	7.312	194	392	6.04

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

B8-0.0-1.0-20251023

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG NO.: Q3466

Lab Sample ID: Q3466-02 Date(s) Analyzed: 10/28/2025 10/28/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

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

Data file PP076135.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1254	1	6.637	6.587	6.687	19.6		
	2	6.855	6.805	6.905	27.8		
	3	7.218	7.168	7.268	35.4		
COLUMN 1	4	7.499	7.449	7.549	40.3		
	5	7.917	7.867	7.967	50.1	34.7	
	1	5.657	5.607	5.707	13.7		
	2	5.802	5.752	5.852	24.6		
	3	6.206	6.156	6.256	25.3		
	4	6.429	6.379	6.479	17.2		
COLUMN 2	5	6.847	6.797	6.897	31.0	22.4	43.08

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.: PB170282BS

Lab Name: Alliance
Contract: HDRI08
Lab Code: ACE
SDG NO.: Q3466
Lab Sample ID: PB170282BS
Date(s) Analyzed: 10/29/2025 10/29/2025
Instrument ID (1): ECD_P
Instrument ID (2): ECD_P
GC Column: (1): ZB-MR1 ID: 0.32 (mm)
GC Column:(2): ZB-MR2 ID: 0.32 (mm)
Data file: PP076153.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.792	5.742	5.842	168		
	2	5.813	5.763	5.863	169		
	3	5.876	5.826	5.926	167		
COLUMN 1	4	5.973	5.923	6.023	168		
	5	6.265	6.215	6.315	161	166	
	1	4.876	4.826	4.926	161		
	2	4.933	4.883	4.983	165		
	3	5.054	5.004	5.104	146		
	4	5.095	5.045	5.145	162		
COLUMN 2	5	5.308	5.258	5.358	163	159	4.31
Aroclor-1260	1	7.382	7.332	7.432	182		
	2	7.635	7.585	7.685	170		
	3	7.993	7.943	8.043	149		
COLUMN 1	4	8.22	8.17	8.27	168		
	5	8.546	8.496	8.596	149	164	
	1	6.335	6.285	6.385	171		
	2	6.522	6.472	6.572	176		
	3	6.675	6.625	6.725	180		
	4	7.143	7.093	7.193	175		
COLUMN 2	5	7.384	7.334	7.434	153	171	4.18

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102825\
Data File : PP076135.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 17:02
Operator : YP\AJ
Sample : Q3466-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
B8-0.0-1.0-20251023

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2025
Supervised By :Sohil Jodhani 10/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:42:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 24 15:40:32 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...	4.640	3.780	34723218	153.1E6	24.297	23.128	
2)	SA Decachlor...	10.407	8.776	19445481	121.6E6	18.063	14.786	
	Target Compounds							
26)	L6 AR-1254-1	6.637	5.657	4021961	19878040	50.342m	35.245	#
27)	L6 AR-1254-2	6.855	5.802	7135302	33463355	71.364	63.129	
28)	L6 AR-1254-3	7.218	6.206	9429555	55185829	90.708	64.841	#
29)	L6 AR-1254-4	7.499	6.429	8650692	27804437	103.460	44.149	#
30)	L6 AR-1254-5	7.917	6.847	11760194	57161337	128.427	79.404	#

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

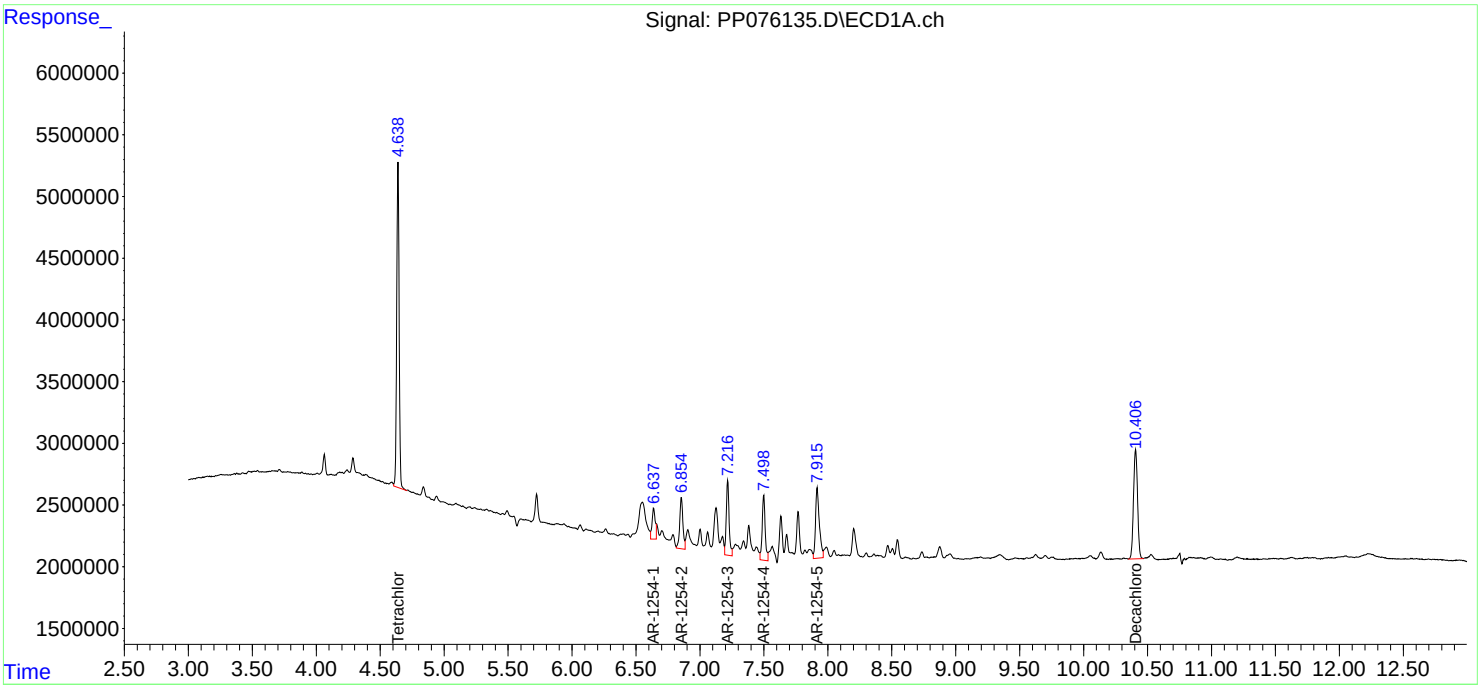
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102825\
Data File : PP076135.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 17:02
Operator : YP\AJ
Sample : Q3466-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

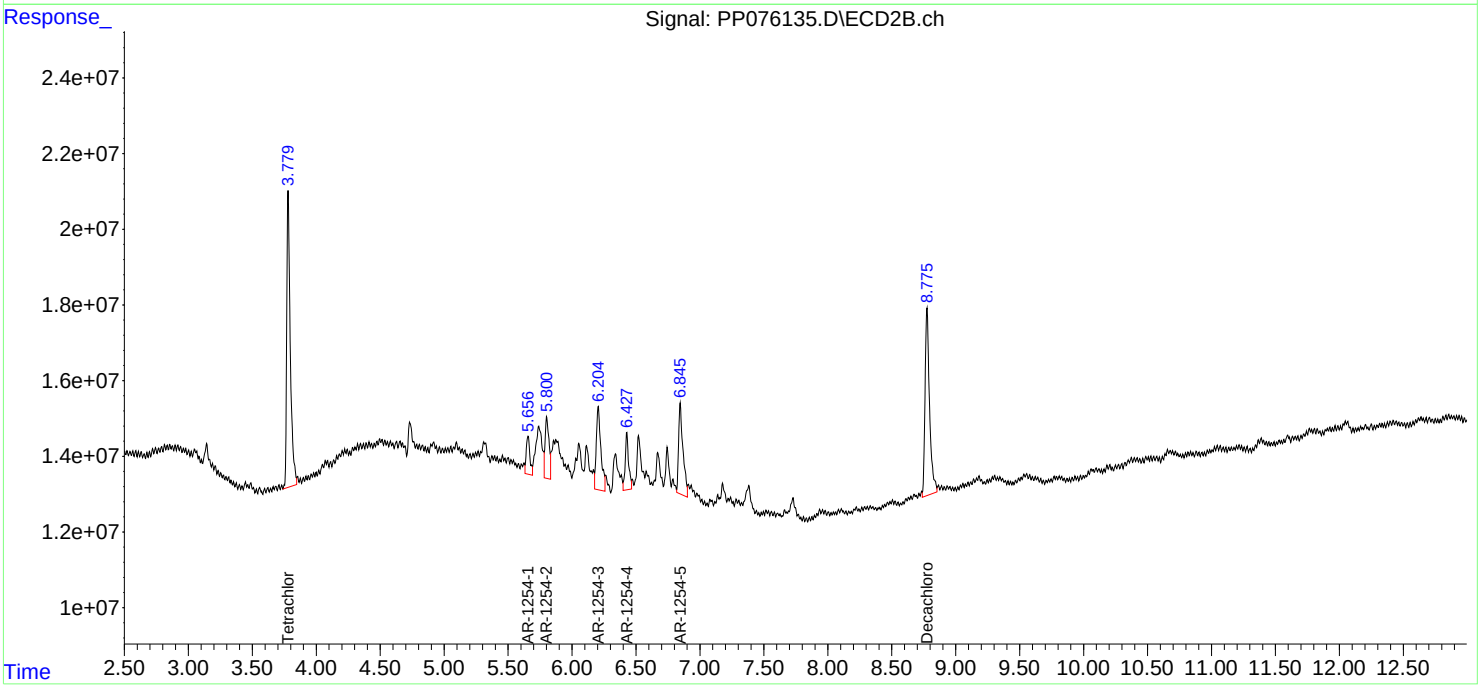
Instrument :
ECD_P
ClientSampleId :
B8-0.0-1.0-20251023

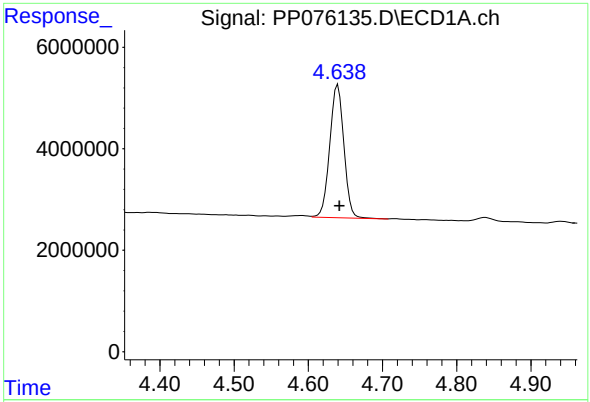
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/29/2025
Supervised By :Sohil Jodhani 10/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:42:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 24 15:40:32 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







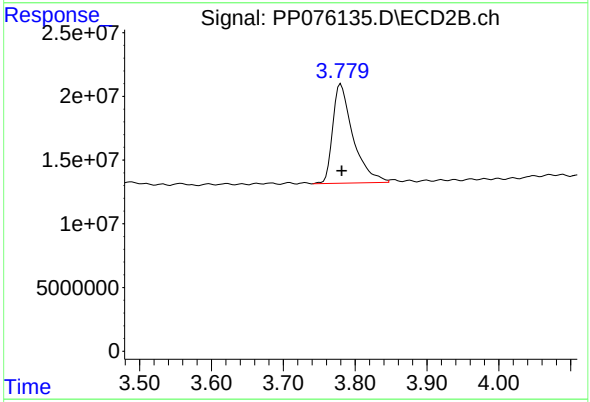
#1 Tetrachloro-m-xylene

R.T.: 4.640 min
Delta R.T.: -0.002 min
Response: 34723218
Conc: 24.30 ng/ml

Instrument :
ECD_P
ClientSampleId :
B8-0.0-1.0-20251023

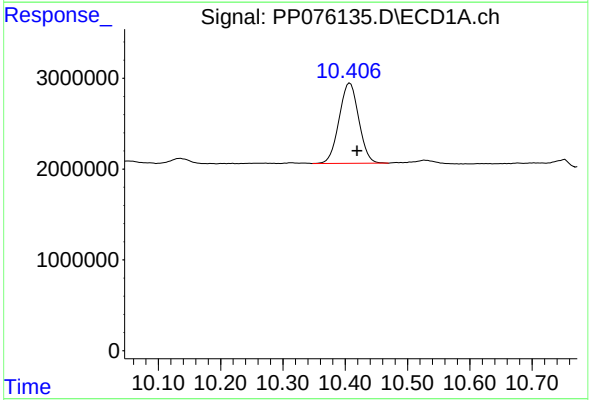
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2025
Supervised By :Sohil Jodhani 10/29/2025



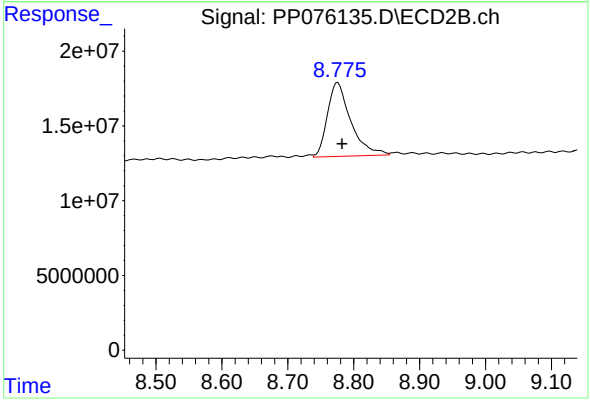
#1 Tetrachloro-m-xylene

R.T.: 3.780 min
Delta R.T.: -0.001 min
Response: 153070129
Conc: 23.13 ng/ml



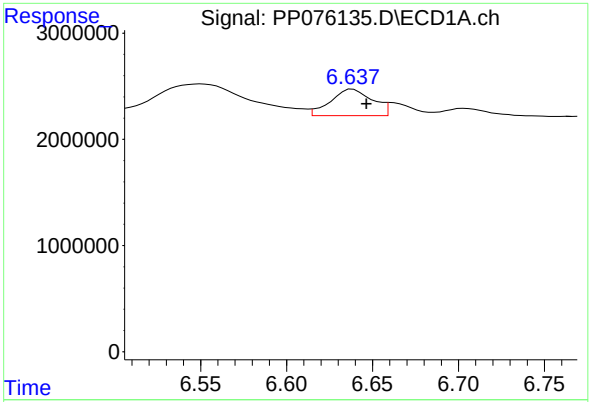
#2 Decachlorobiphenyl

R.T.: 10.407 min
Delta R.T.: -0.011 min
Response: 19445481
Conc: 18.06 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.776 min
Delta R.T.: -0.006 min
Response: 121584481
Conc: 14.79 ng/ml



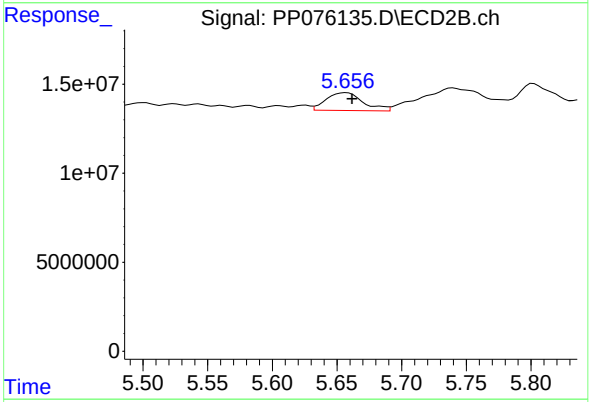
#26 AR-1254-1

R.T.: 6.637 min
Delta R.T.: -0.009 min
Response: 4021961
Conc: 50.34 ng/ml

Instrument :
ECD_P
ClientSampleId :
B8-0.0-1.0-20251023

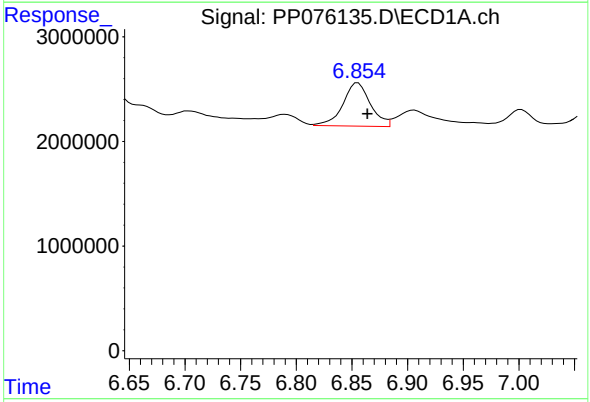
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2025
Supervised By :Sohil Jodhani 10/29/2025



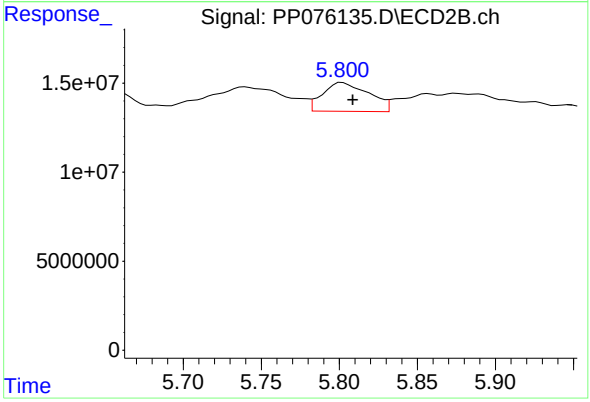
#26 AR-1254-1

R.T.: 5.657 min
Delta R.T.: -0.004 min
Response: 19878040
Conc: 35.24 ng/ml



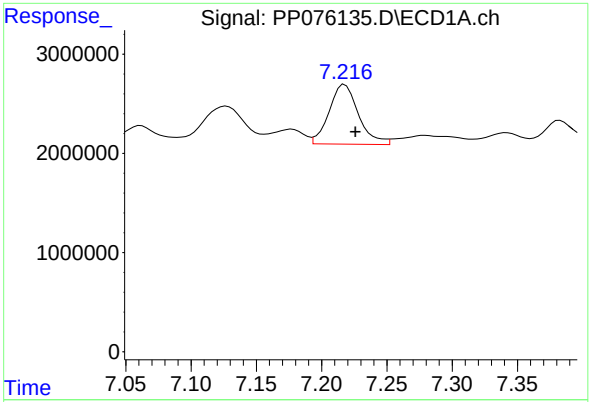
#27 AR-1254-2

R.T.: 6.855 min
Delta R.T.: -0.008 min
Response: 7135302
Conc: 71.36 ng/ml



#27 AR-1254-2

R.T.: 5.802 min
Delta R.T.: -0.007 min
Response: 33463355
Conc: 63.13 ng/ml



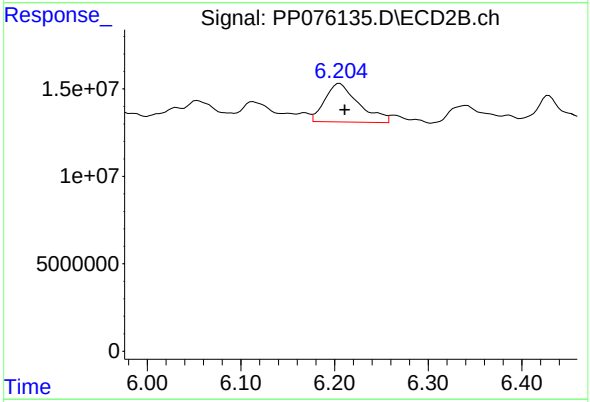
#28 AR-1254-3

R.T.: 7.218 min
Delta R.T.: -0.008 min
Response: 9429555
Conc: 90.71 ng/ml

Instrument :
ECD_P
ClientSampleId :
B8-0.0-1.0-20251023

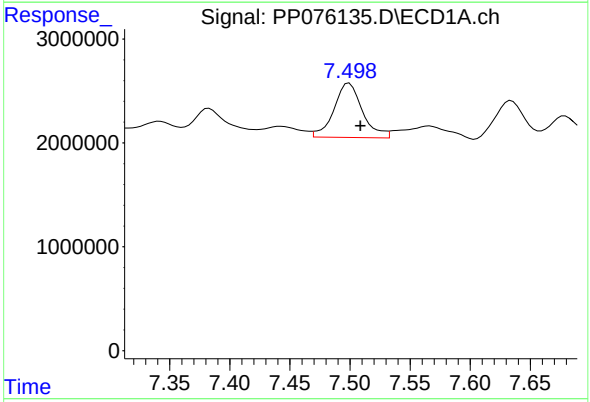
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2025
Supervised By :Sohil Jodhani 10/29/2025



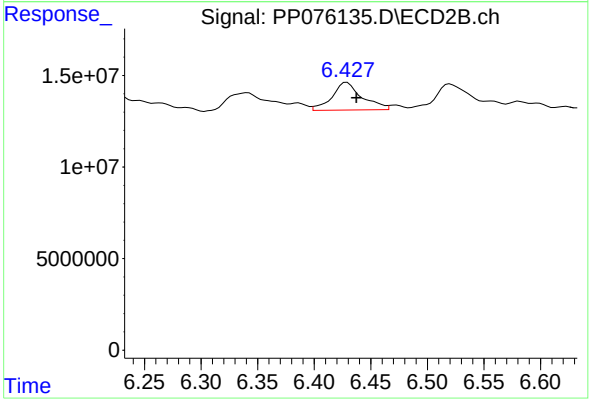
#28 AR-1254-3

R.T.: 6.206 min
Delta R.T.: -0.005 min
Response: 55185829
Conc: 64.84 ng/ml



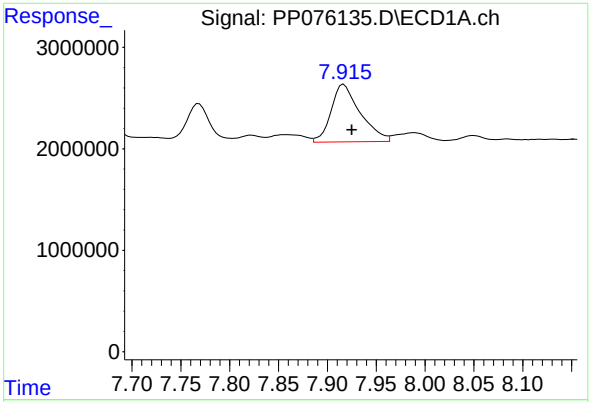
#29 AR-1254-4

R.T.: 7.499 min
Delta R.T.: -0.009 min
Response: 8650692
Conc: 103.46 ng/ml



#29 AR-1254-4

R.T.: 6.429 min
Delta R.T.: -0.008 min
Response: 27804437
Conc: 44.15 ng/ml



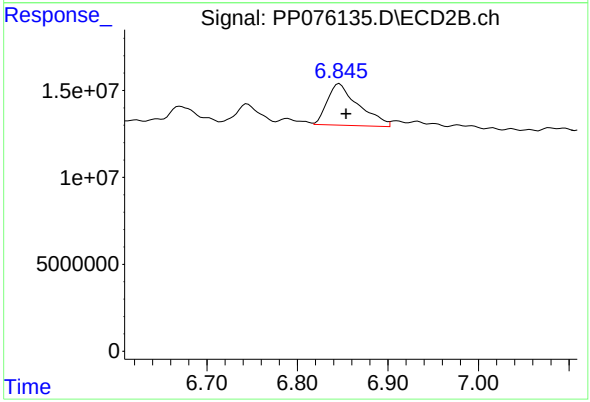
#30 AR-1254-5

R.T.: 7.917 min
Delta R.T.: -0.008 min
Response: 11760194
Conc: 128.43 ng/ml

Instrument :
ECD_P
ClientSampleId :
B8-0.0-1.0-20251023

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2025
Supervised By :Sohil Jodhani 10/29/2025



#30 AR-1254-5

R.T.: 6.847 min
Delta R.T.: -0.007 min
Response: 57161337
Conc: 79.40 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102825\
Data File : PP076136.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 17:18
Operator : YP\AJ
Sample : Q3466-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
B9-0.0-1.0-20251023

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:42:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 24 15:40:32 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...	4.642	3.782	32491863	158.2E6	22.736	23.901
2)	SA Decachlor...	10.411	8.777	18386618	124.1E6	17.080	15.096
	Target Compounds						

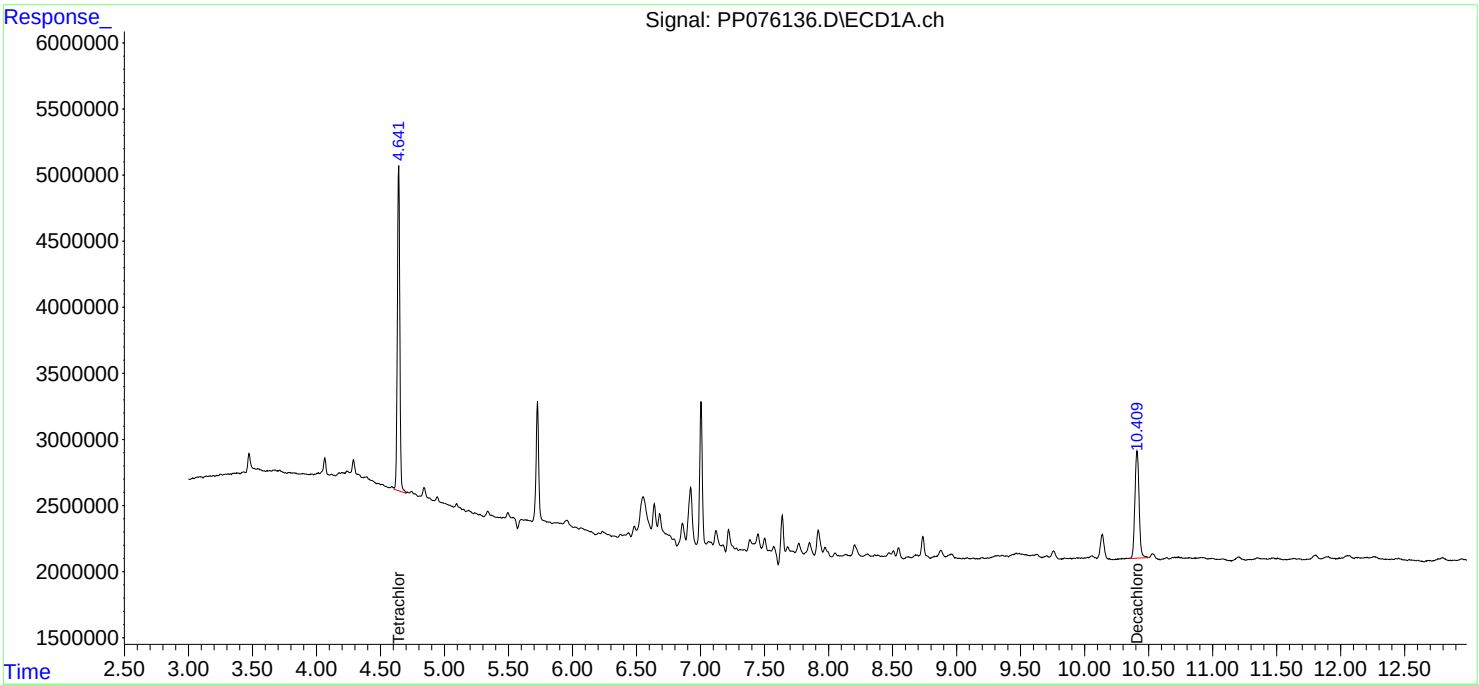
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

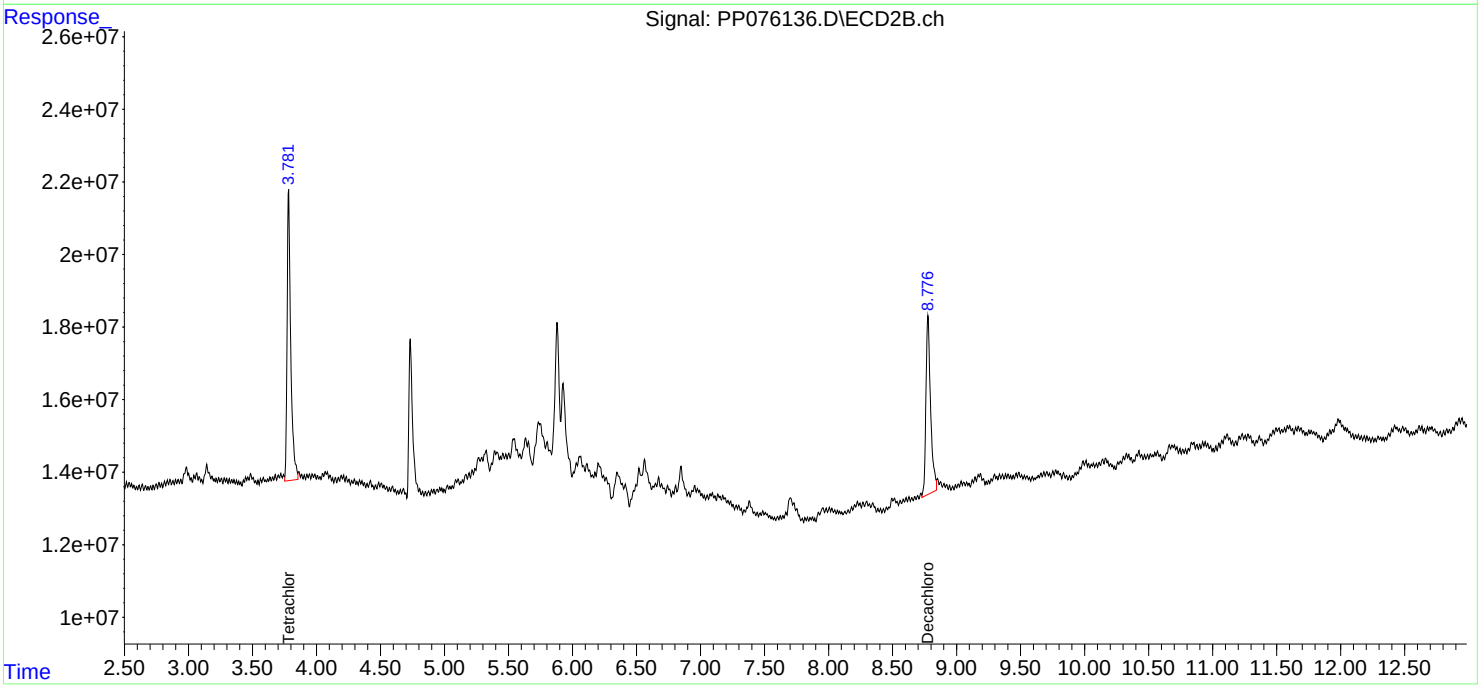
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102825\
Data File : PP076136.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 17:18
Operator : YP\AJ
Sample : Q3466-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

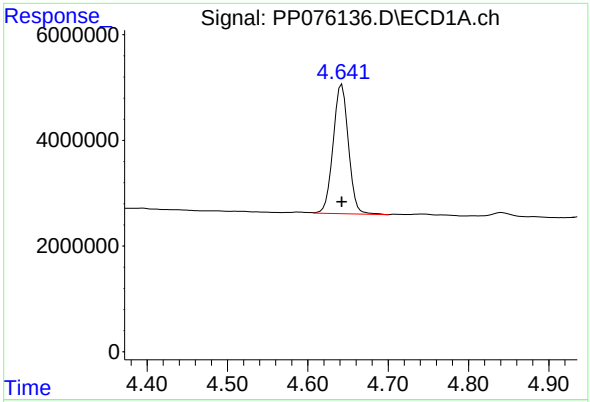
Instrument :
ECD_P
ClientSampleId :
B9-0.0-1.0-20251023

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:42:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 24 15:40:32 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



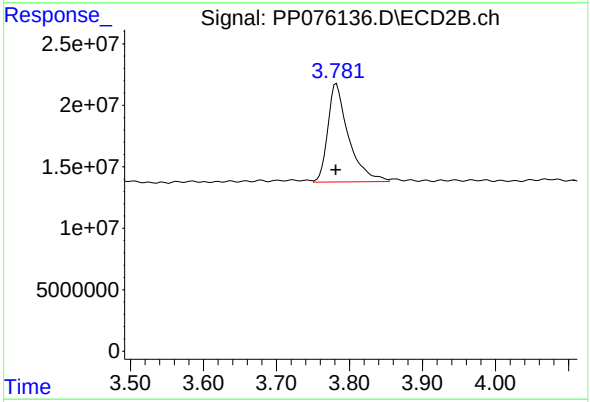




#1 Tetrachloro-m-xylene

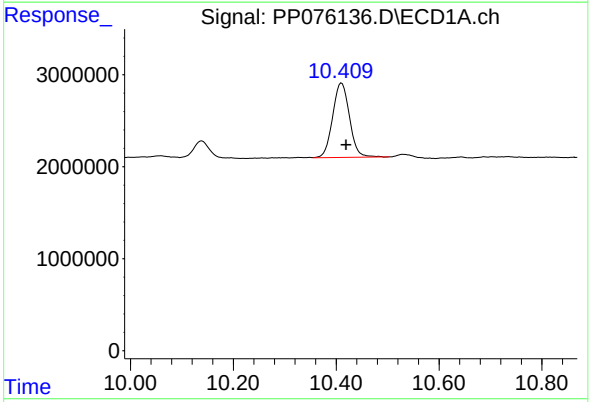
R.T.: 4.642 min
Delta R.T.: 0.000 min
Response: 32491863
Conc: 22.74 ng/ml

Instrument :
ECD_P
ClientSampleId :
B9-0.0-1.0-20251023



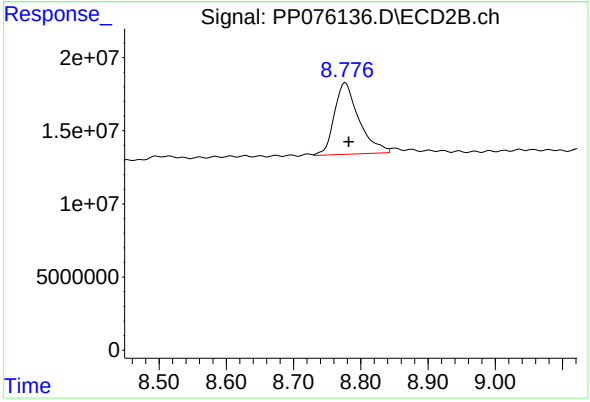
#1 Tetrachloro-m-xylene

R.T.: 3.782 min
Delta R.T.: 0.000 min
Response: 158185149
Conc: 23.90 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.411 min
Delta R.T.: -0.008 min
Response: 18386618
Conc: 17.08 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.777 min
Delta R.T.: -0.005 min
Response: 124136291
Conc: 15.10 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102825\
Data File : PP076137.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 17:34
Operator : YP\AJ
Sample : Q3466-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
B7-1.0-2.0-20251023

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:43:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 24 15:40:32 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...	4.640	3.779	38081793	190.2E6	26.648	28.740
2)	SA Decachlor...	10.408	8.774	25920140	149.3E6	24.078	18.150
	Target Compounds						

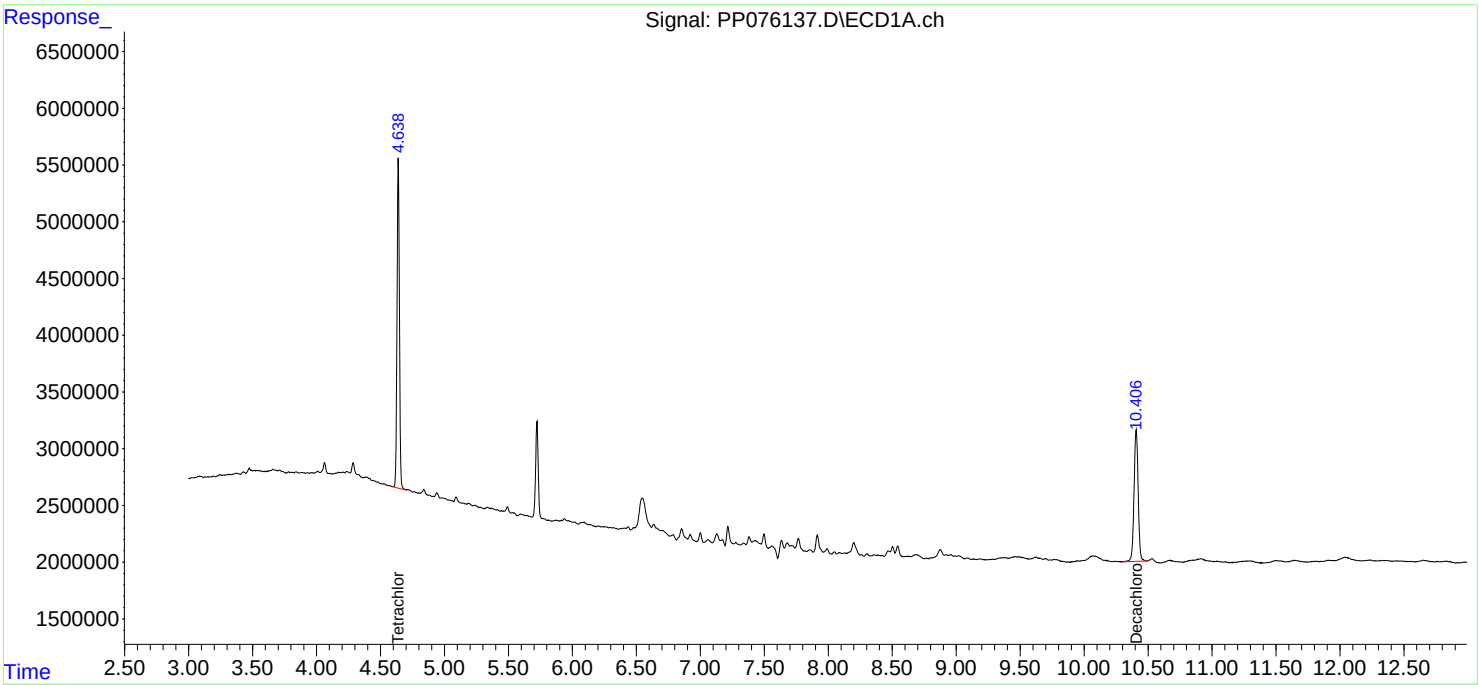
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

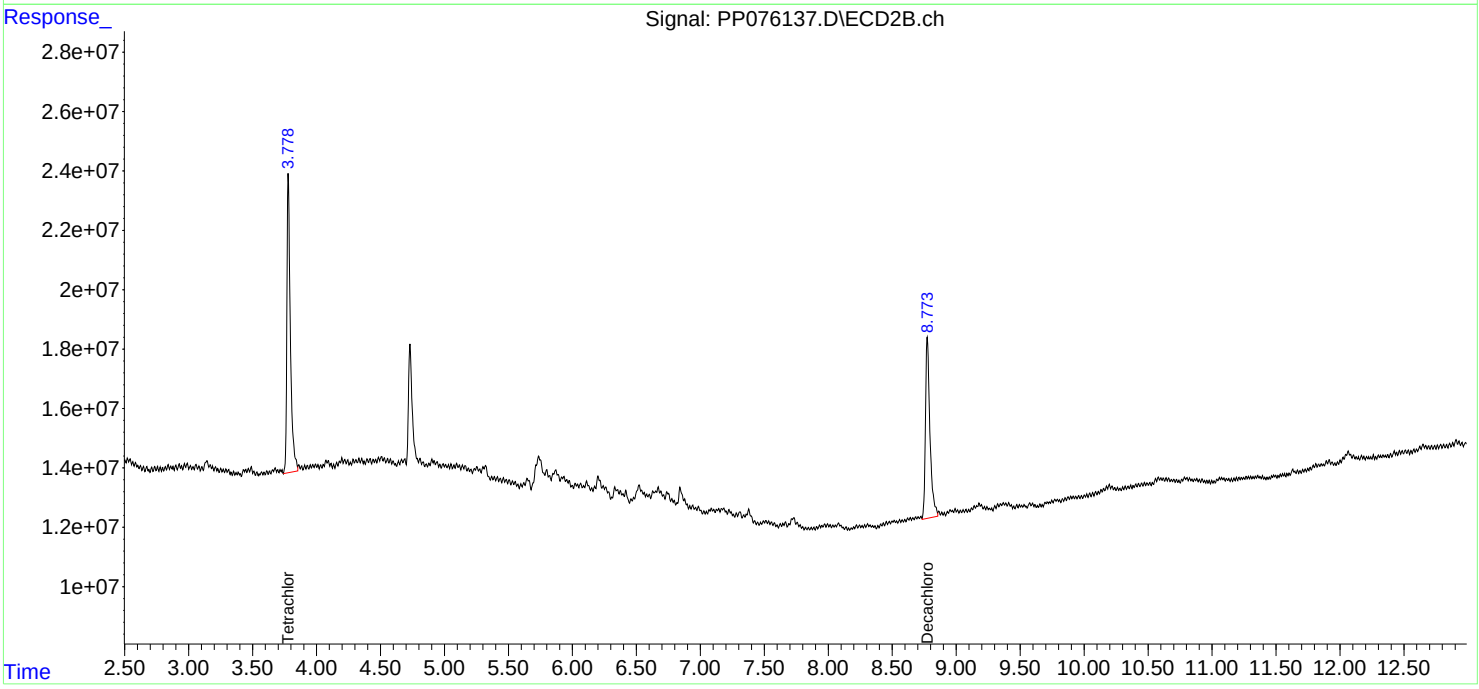
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102825\
Data File : PP076137.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 17:34
Operator : YP\AJ
Sample : Q3466-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

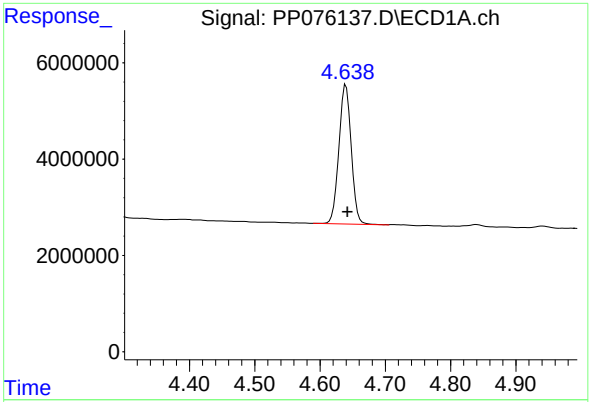
Instrument :
ECD_P
ClientSampleId :
B7-1.0-2.0-20251023

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:43:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 24 15:40:32 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



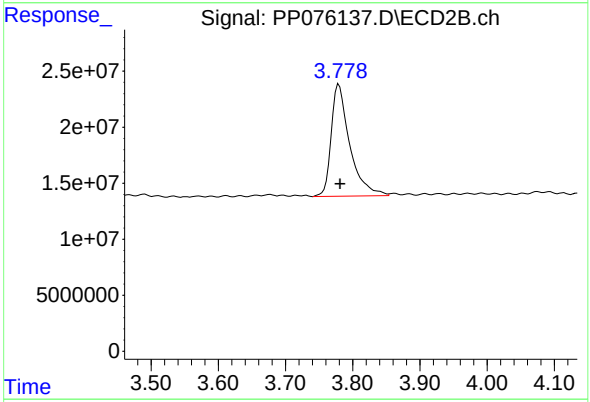




#1 Tetrachloro-m-xylene

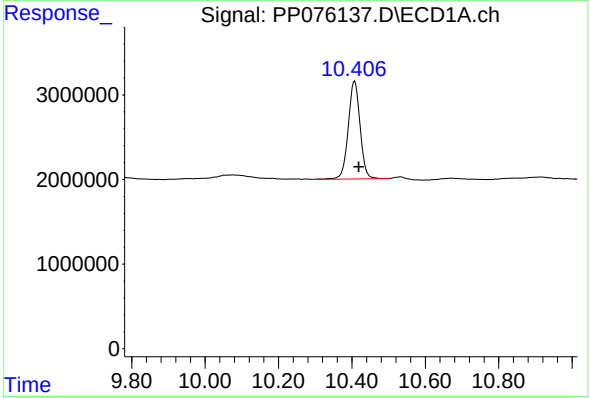
R.T.: 4.640 min
Delta R.T.: -0.002 min
Response: 38081793
Conc: 26.65 ng/ml

Instrument :
ECD_P
ClientSampleId :
B7-1.0-2.0-20251023



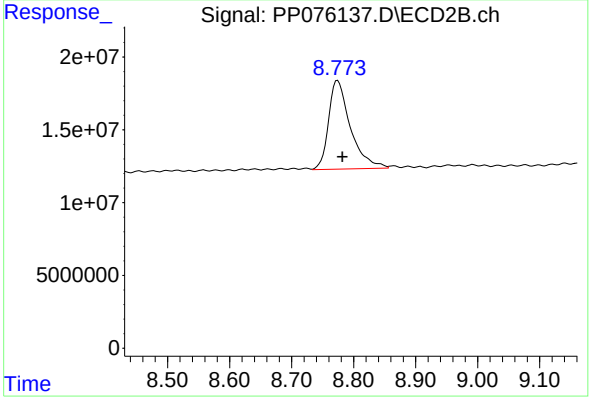
#1 Tetrachloro-m-xylene

R.T.: 3.779 min
Delta R.T.: -0.002 min
Response: 190207330
Conc: 28.74 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.408 min
Delta R.T.: -0.011 min
Response: 25920140
Conc: 24.08 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.774 min
Delta R.T.: -0.008 min
Response: 149250584
Conc: 18.15 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102825\
Data File : PP076132.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 16:13
Operator : YP\AJ
Sample : PB170282BL
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB170282BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:41:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 24 15:40:32 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...	4.641	3.782	35081938	150.8E6	24.548	22.790
2)	SA Decachlor...	10.408	8.777	27256477	181.3E6	25.319	22.044
	Target Compounds						

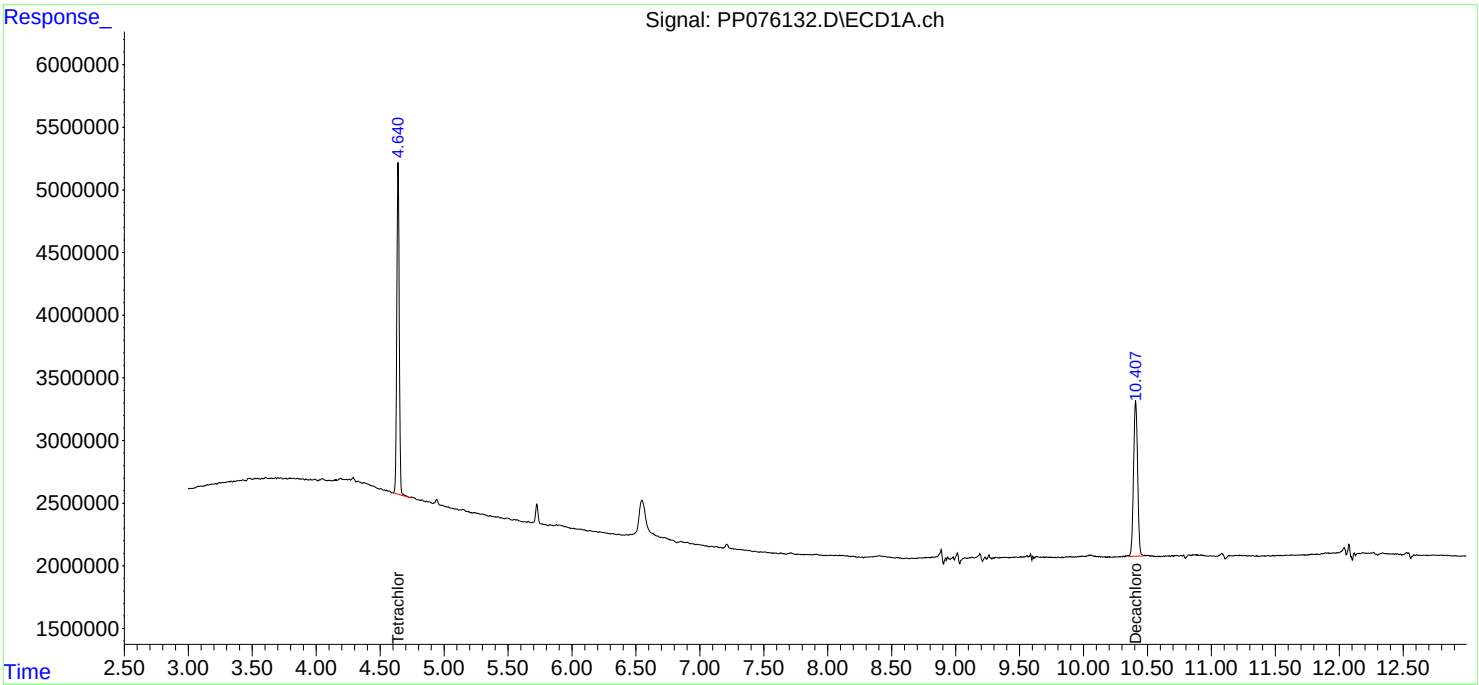
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

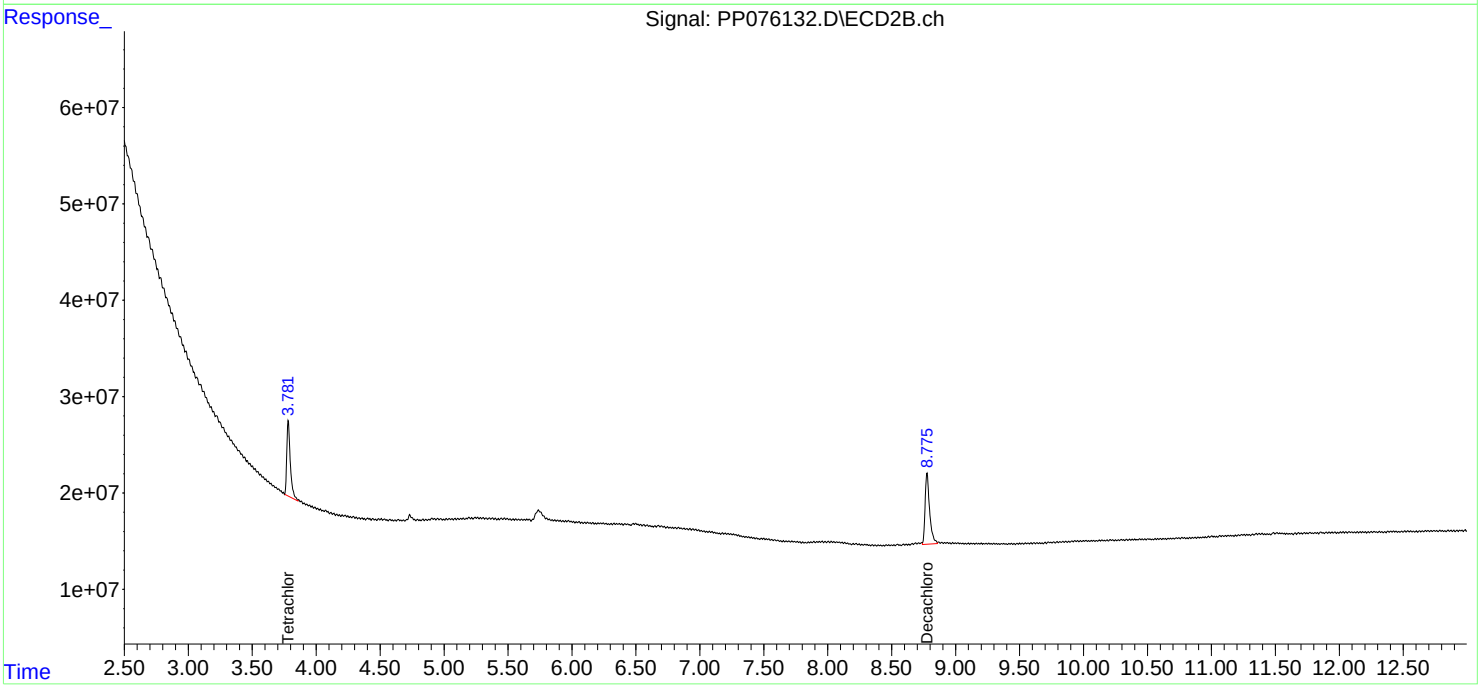
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102825\
Data File : PP076132.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 16:13
Operator : YP\AJ
Sample : PB170282BL
Misc :
ALS Vial : 18 Sample Multiplier: 1

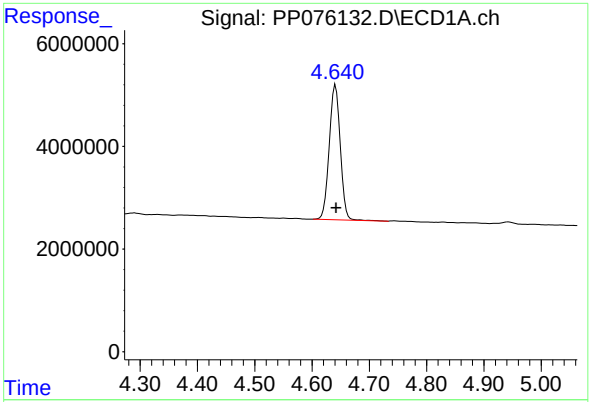
Instrument :
ECD_P
ClientSampleId :
PB170282BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:41:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 24 15:40:32 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



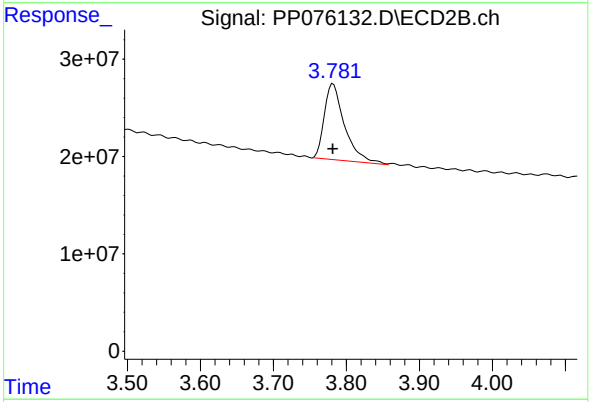




#1 Tetrachloro-m-xylene

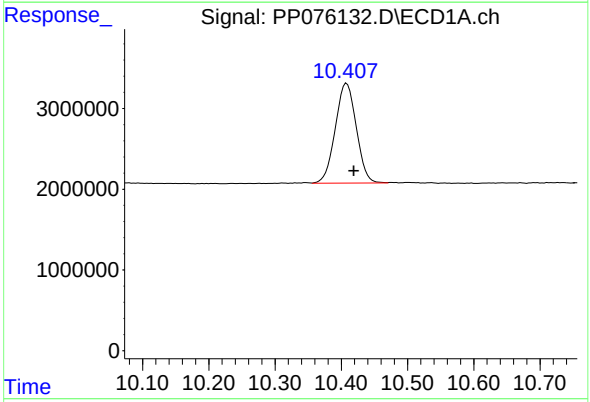
R.T.: 4.641 min
Delta R.T.: 0.000 min
Response: 35081938
Conc: 24.55 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB170282BL



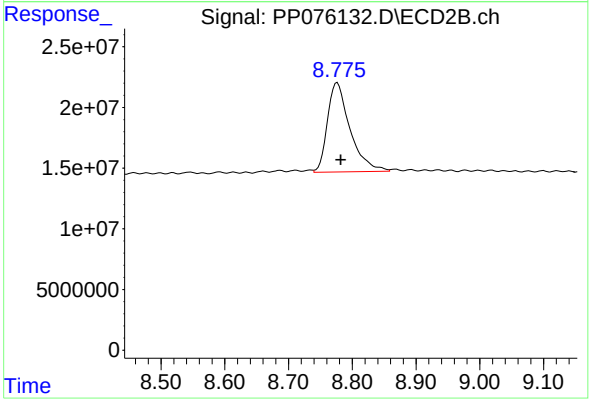
#1 Tetrachloro-m-xylene

R.T.: 3.782 min
Delta R.T.: 0.000 min
Response: 150830382
Conc: 22.79 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.408 min
Delta R.T.: -0.011 min
Response: 27256477
Conc: 25.32 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.777 min
Delta R.T.: -0.005 min
Response: 181263666
Conc: 22.04 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102925\
Data File : PP076153.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Oct 2025 11:10
Operator : YP\AJ
Sample : PB170282BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB170282BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/30/2025
Supervised By :Sohil Jodhani 10/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 30 01:22:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 24 15:40:32 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...	4.640	3.782	31119886	126.6E6	21.776	19.126
2)	SA Decachlor...	10.407	8.776	23775494	151.5E6	22.085	18.422
	Target Compounds						
3)	L1 AR-1016-1	5.792	4.876	29762914	357.5E6	503.380	482.992
4)	L1 AR-1016-2	5.813	4.933	44843660	168.9E6	507.028	493.861
5)	L1 AR-1016-3	5.876	5.054	27667135	90019630	499.849	438.388
6)	L1 AR-1016-4	5.973	5.095	22867074	90940494	503.234	486.611
7)	L1 AR-1016-5	6.265	5.308	20990260	111.7E6	483.585	490.006
31)	L7 AR-1260-1	7.382	6.335	37620432	280.8E6	547.154	512.638
32)	L7 AR-1260-2	7.635	6.522	45747102	428.9E6	510.700	527.093
33)	L7 AR-1260-3	7.993	6.675	31030076	304.5E6	447.851	541.085
34)	L7 AR-1260-4	8.220	7.143	34480462	273.1E6	502.840m	525.923
35)	L7 AR-1260-5	8.546	7.384	66140162	623.5E6	447.039	459.996

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102925\
Data File : PP076153.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Oct 2025 11:10
Operator : YP\AJ
Sample : PB170282BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

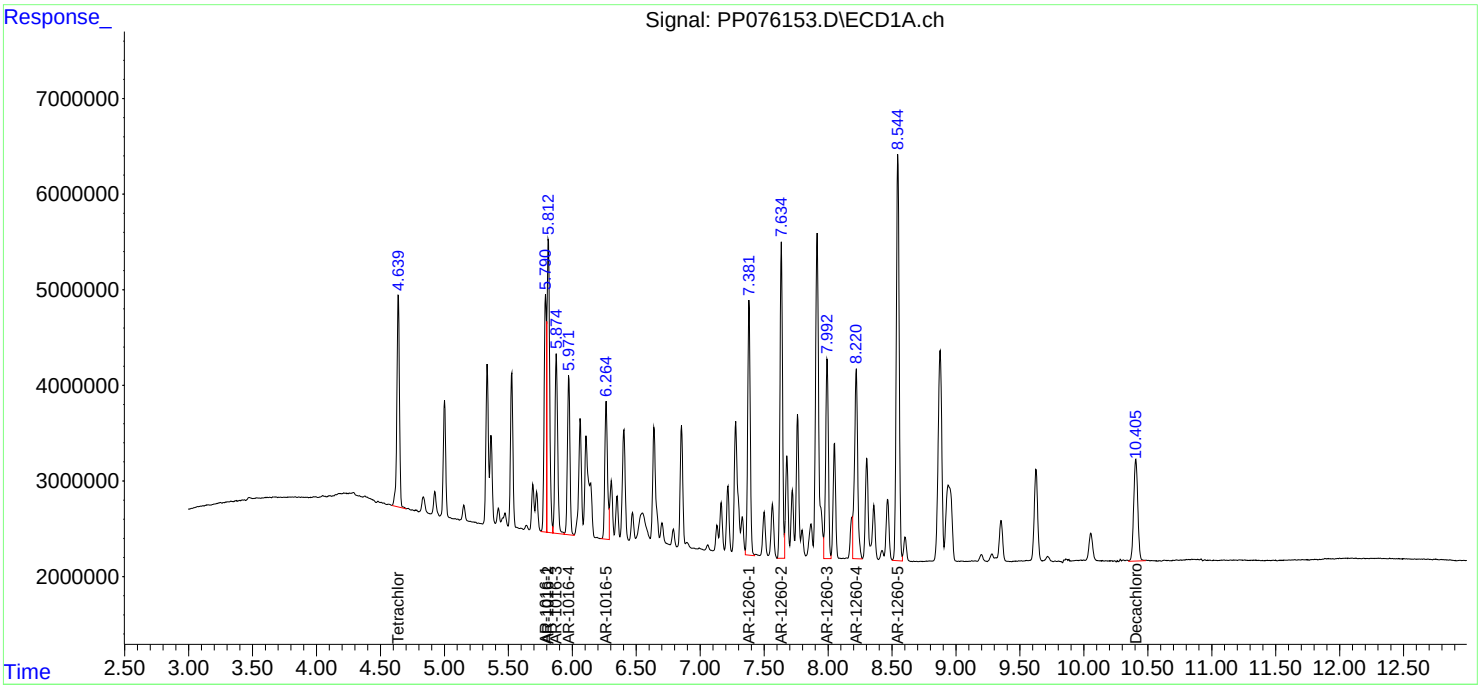
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 30 01:22:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 24 15:40:32 2025
Response via : Initial Calibration
Integrator: ChemStation

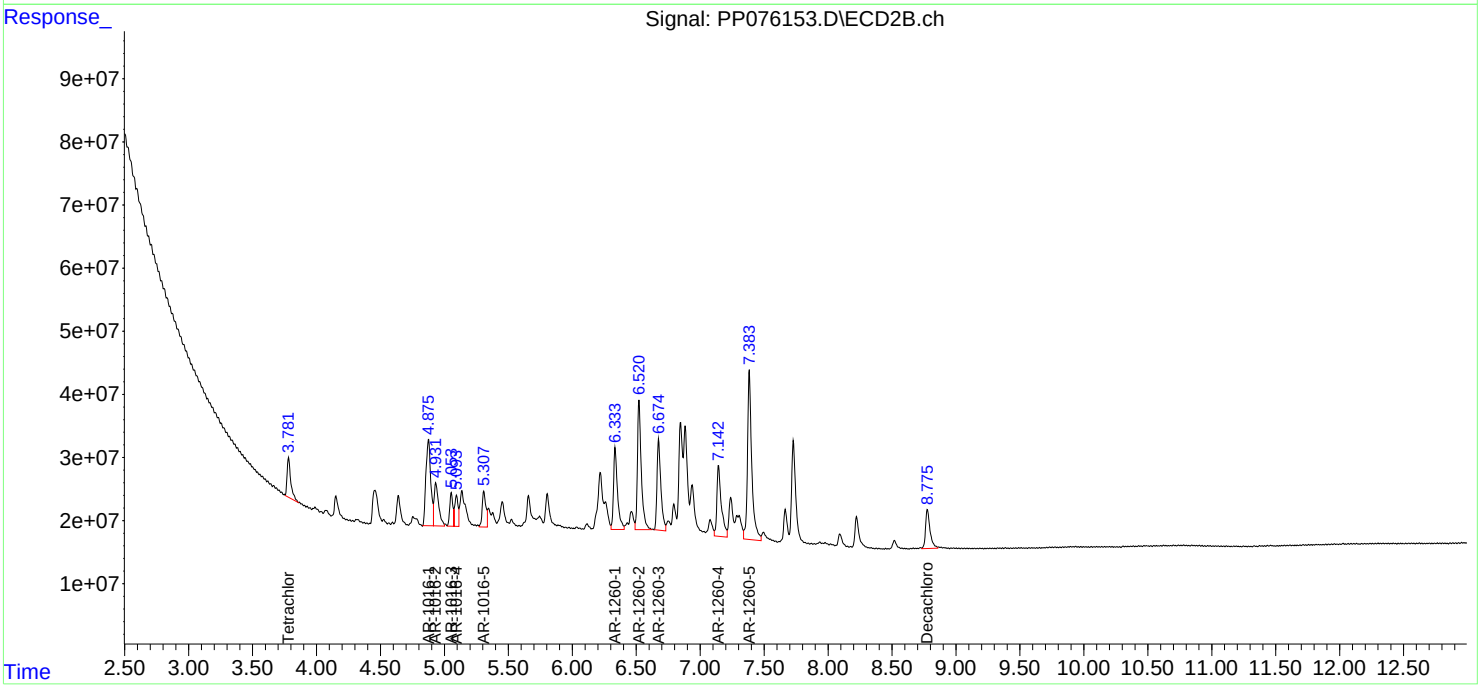
Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

Instrument :
ECD_P
ClientSampleId :
PB170282BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/30/2025
Supervised By :Sohil Jodhani 10/30/2025





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102825\
Data File : PO114707.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 14:00
Operator : YP/AJ
Sample : Q3461-01MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
SS-9R(4.5-5.0)MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2025
Supervised By :Sohil Jodhani 10/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:41:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 02:40:25 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...	4.350	3.654	153.8E6	96841930	28.330	24.197
2)	SA Decachlor...	9.934	8.648	89362512	82723468	24.543	24.818
	Target Compounds						
3)	L1 AR-1016-1	5.489	4.732	94656645	73172049	524.827	434.554m
4)	L1 AR-1016-2	5.511	4.752	150.0E6	106.2E6	492.984	438.669
5)	L1 AR-1016-3	5.572	4.927	84631999	56609175	478.546	455.961
6)	L1 AR-1016-4	5.668	4.969	71963497	78804926	523.163	816.416 #
7)	L1 AR-1016-5	5.959	5.181	94921659	83395311	751.762	652.262
26)	L6 AR-1254-1	6.332	5.532	194.3E6	214.0E6	1113.878	805.482 #
27)	L6 AR-1254-2	6.548	5.680	306.9E6	231.1E6	1204.994	970.266
28)	L6 AR-1254-3	6.908	6.081	355.5E6	457.8E6	1230.504	1291.620
29)	L6 AR-1254-4	7.189	6.308	295.6E6	271.7E6	1248.974	1052.654
30)	L6 AR-1254-5	7.604	6.725	414.3E6	492.4E6	1887.563	1537.677
31)	L7 AR-1260-1	7.073	6.212	237.0E6	280.3E6	1087.615	1190.493
32)	L7 AR-1260-2	7.327	6.399	303.0E6	334.6E6	982.264	1000.586
33)	L7 AR-1260-3	7.683	6.551	130.9E6	285.6E6	510.468m	968.407 #
34)	L7 AR-1260-4	7.903	7.023	229.6E6	112.1E6	985.734	502.733 #
35)	L7 AR-1260-5	8.212	7.263	284.1E6	401.2E6	489.609	654.515 #

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

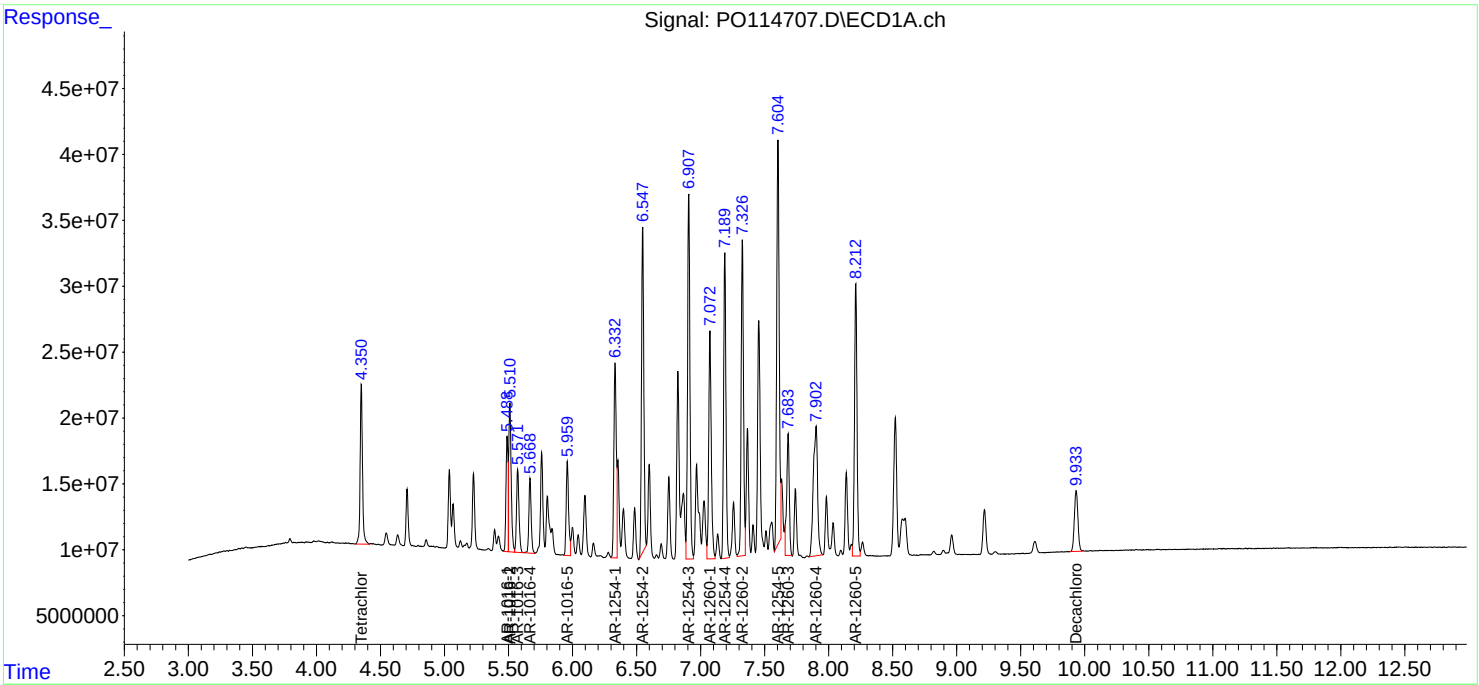
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102825\
Data File : PO114707.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 14:00
Operator : YP/AJ
Sample : Q3461-01MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

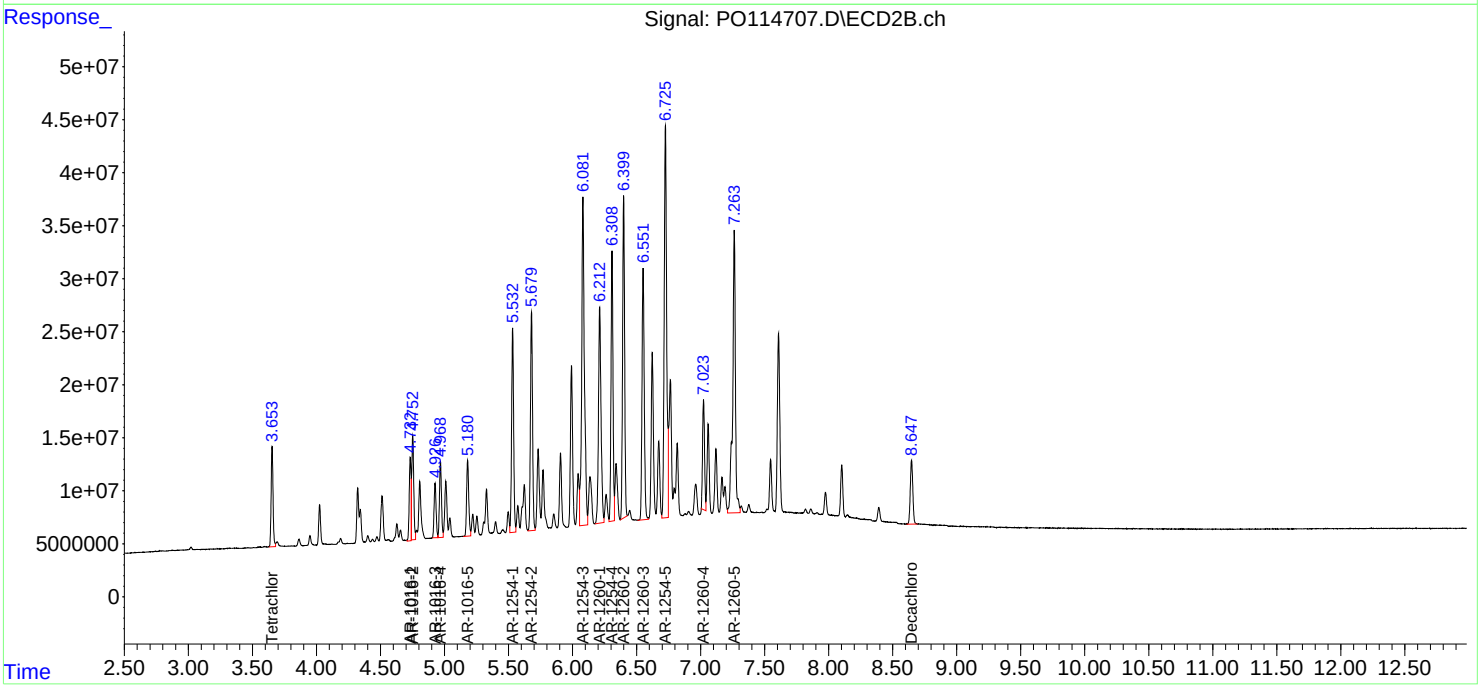
Instrument :
ECD_O
ClientSampleId :
SS-9R(4.5-5.0)MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/29/2025
Supervised By :Sohil Jodhani 10/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:41:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 02:40:25 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_O\Data\PO102825\
Data File : PO114708.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 14:19
Operator : YP/AJ
Sample : Q3461-01MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
SS-9R(4.5-5.0)MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2025
Supervised By :Sohil Jodhani 10/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:41:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 02:40:25 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...	4.350	3.653	148.4E6	95513129	27.329	23.865
2)	SA Decachlor...	9.932	8.647	83674668	77005585	22.981	23.103
	Target Compounds						
3)	L1 AR-1016-1	5.488	4.731	87807709	68749379	486.853	408.288m
4)	L1 AR-1016-2	5.510	4.751	141.8E6	100.3E6	466.065	414.290
5)	L1 AR-1016-3	5.572	4.925	79243425	52917641	448.077	426.227
6)	L1 AR-1016-4	5.668	4.968	66950954	97687517	486.723	1012.039 #
7)	L1 AR-1016-5	5.959	5.179	108.9E6	95004643	862.618	743.063
26)	L6 AR-1254-1	6.332	5.531	286.4E6	315.5E6	1641.582	1187.549 #
27)	L6 AR-1254-2	6.548	5.678	471.2E6	350.9E6	1850.031	1472.821
28)	L6 AR-1254-3	6.907	6.080	559.7E6	666.5E6	1937.040	1880.567
29)	L6 AR-1254-4	7.189	6.307	471.7E6	433.8E6	1993.070	1680.540
30)	L6 AR-1254-5	7.604	6.725	563.3E6	720.5E6	2566.796	2250.271
31)	L7 AR-1260-1	7.073	6.211	312.6E6	379.0E6	1434.371	1609.611
32)	L7 AR-1260-2	7.326	6.399	391.7E6	428.0E6	1269.710	1279.951
33)	L7 AR-1260-3	7.682	6.550	128.4E6	366.4E6	500.818m	1242.218 #
34)	L7 AR-1260-4	7.889	7.022	276.6E6	123.1E6	1187.708	552.068m#
35)	L7 AR-1260-5	8.211	7.262	292.3E6	314.9E6	503.823	513.737m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102825\
Data File : PO114708.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 14:19
Operator : YP/AJ
Sample : Q3461-01MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

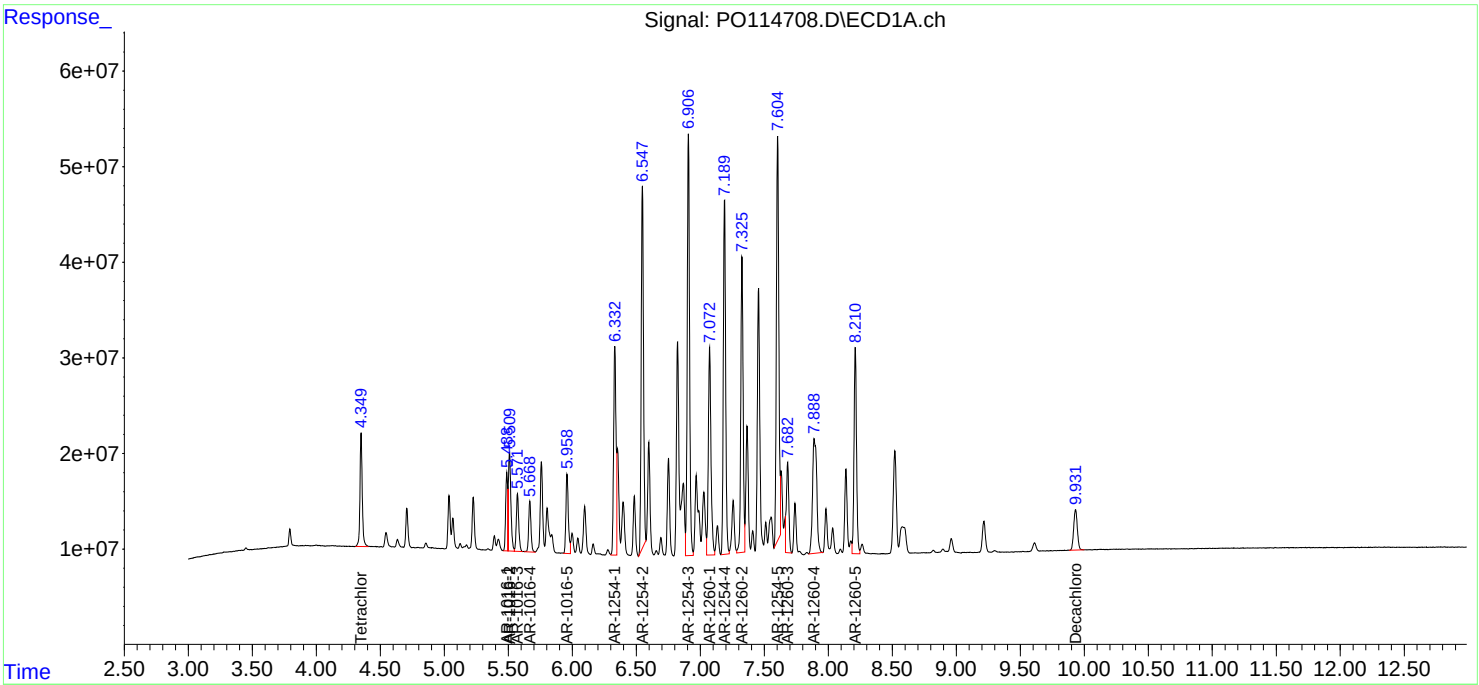
Instrument :
ECD_O
ClientSampleId :
SS-9R(4.5-5.0)MSD

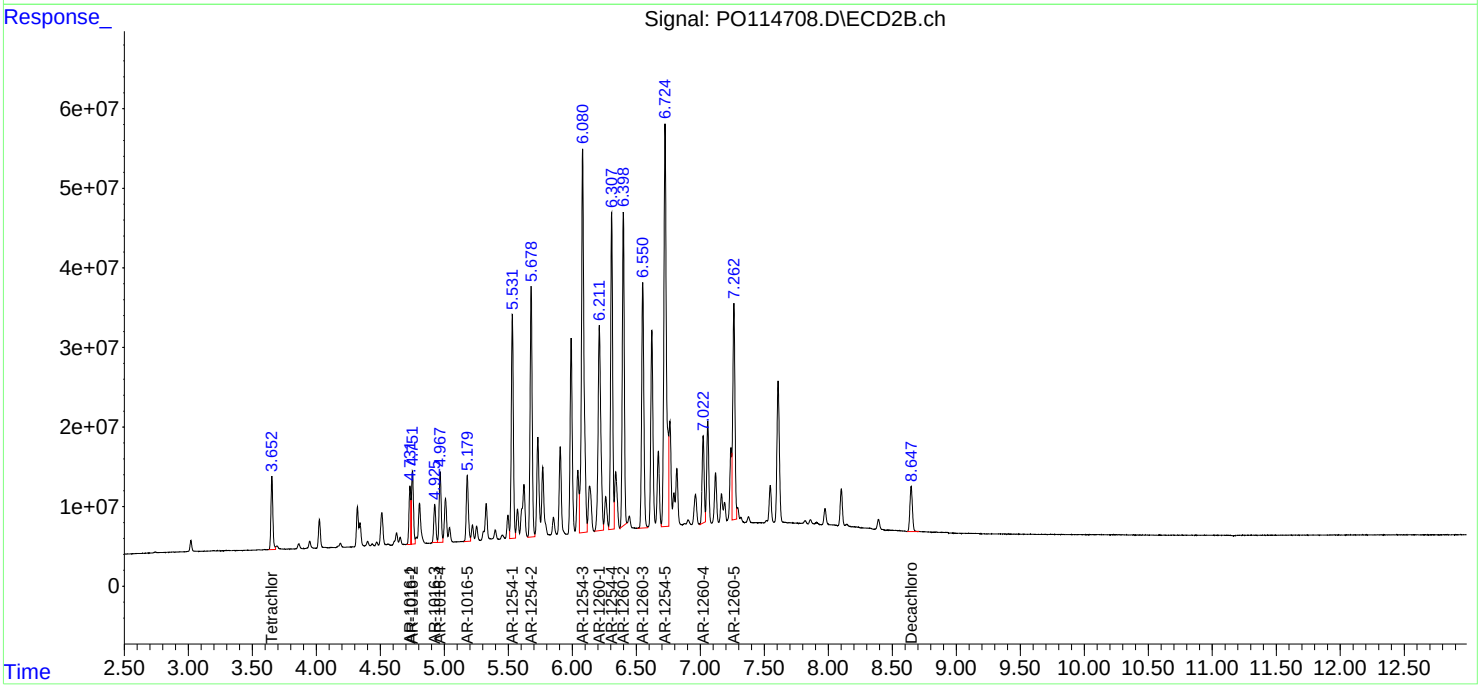
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2025
Supervised By :Sohil Jodhani 10/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 01:41:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO100925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 02:40:25 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





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Manual Integration Report

Sequence:	po100925	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PO114317.D	AR-1260-2	yogesh	10/10/2025 7:45:12 AM	mohammad	10/11/2025 1:35:39	Peak Integrated by Software
AR1242ICC050	PO114324.D	AR-1242-5	yogesh	10/10/2025 7:45:14 AM	mohammad	10/11/2025 1:35:39	Peak Integrated by Software
AR1248ICC250	PO114328.D	AR-1248-5	yogesh	10/10/2025 7:45:16 AM	mohammad	10/11/2025 1:35:39	Peak Integrated by Software
AR1248ICC050	PO114329.D	AR-1248-1	yogesh	10/10/2025 7:45:17 AM	mohammad	10/11/2025 1:35:39	Peak Integrated by Software
AR1248ICC050	PO114329.D	AR-1248-5	yogesh	10/10/2025 7:45:17 AM	mohammad	10/11/2025 1:35:39	Peak Integrated by Software
AR1268ICC250	PO114339.D	AR-1268-1	yogesh	10/10/2025 7:45:22 AM	mohammad	10/11/2025 1:35:39	Peak Integrated by Software
AR1268ICC050	PO114340.D	AR-1268-4	yogesh	10/10/2025 7:45:21 AM	mohammad	10/11/2025 1:35:39	Peak Integrated by Software

Alliance TECHNICAL GROUP
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Manual Integration Report

Sequence:	PO102825	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC50 0	PO114694.D	AR-1260-3	yogesh	10/28/2025 2:45:47 PM	Sohil	10/29/2025 4:05:48	Peak Integrated by Software
AR1660CCC50 0	PO114694.D	AR-1260-4 #2	yogesh	10/28/2025 2:45:47 PM	Sohil	10/29/2025 4:05:48	Peak Integrated by Software
AR1254CCC50 0	PO114697.D	Decachlorobiphenyl #2	yogesh	10/29/2025 3:43:52 PM	Sohil	10/29/2025 4:05:50	Peak Integrated by Software
I.BLK	PO114699.D	Decachlorobiphenyl #2	yogesh	10/28/2025 2:45:49 PM	Sohil	10/29/2025 4:05:52	Peak Integrated by Software
Q3461-01MS	PO114707.D	AR-1016-1 #2	yogesh	10/29/2025 8:34:19 AM	Sohil	10/29/2025 4:06:03	Peak Integrated by Software
Q3461-01MS	PO114707.D	AR-1260-3	yogesh	10/29/2025 8:34:19 AM	Sohil	10/29/2025 4:06:03	Peak Integrated by Software
Q3461-01MSD	PO114708.D	AR-1016-1 #2	yogesh	10/29/2025 3:43:36 PM	Sohil	10/29/2025 4:06:06	Peak Integrated by Software
Q3461-01MSD	PO114708.D	AR-1260-3	yogesh	10/29/2025 3:43:36 PM	Sohil	10/29/2025 4:06:06	Peak Integrated by Software
Q3461-01MSD	PO114708.D	AR-1260-4 #2	yogesh	10/29/2025 3:43:36 PM	Sohil	10/29/2025 4:06:06	Peak Integrated by Software
Q3461-01MSD	PO114708.D	AR-1260-5 #2	yogesh	10/29/2025 3:43:36 PM	Sohil	10/29/2025 4:06:06	Peak Integrated by Software
AR1660CCC50 0	PO114709.D	AR-1260-3	yogesh	10/29/2025 8:34:23 AM	Sohil	10/29/2025 4:06:08	Peak Integrated by Software
AR1660CCC50 0	PO114709.D	AR-1260-4 #2	yogesh	10/29/2025 8:34:23 AM	Sohil	10/29/2025 4:06:08	Peak Integrated by Software
AR1660CCC50 0	PO114709.D	Decachlorobiphenyl #2	yogesh	10/29/2025 8:34:23 AM	Sohil	10/29/2025 4:06:08	Peak Integrated by Software

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Manual Integration Report

Sequence:	PO102825	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
I.BLK	PO114713.D	Decachlorobiphenyl #2	yogesh	10/29/2025 8:34:24 AM	Sohil	10/29/2025 4:06:09	Peak Integrated by Software
AR1660CCC50 0	PO114721.D	AR-1016-1 #2	yogesh	10/29/2025 3:43:39 PM	Sohil	10/29/2025 4:06:19	Peak Integrated by Software
AR1660CCC50 0	PO114721.D	AR-1016-2	yogesh	10/29/2025 3:43:39 PM	Sohil	10/29/2025 4:06:19	Peak Integrated by Software
AR1660CCC50 0	PO114721.D	AR-1260-3	yogesh	10/29/2025 3:43:39 PM	Sohil	10/29/2025 4:06:19	Peak Integrated by Software
AR1660CCC50 0	PO114721.D	AR-1260-4	yogesh	10/29/2025 3:43:39 PM	Sohil	10/29/2025 4:06:19	Peak Integrated by Software
AR1660CCC50 0	PO114721.D	AR-1260-4 #2	yogesh	10/29/2025 3:43:39 PM	Sohil	10/29/2025 4:06:19	Peak Integrated by Software
AR1242CCC50 0	PO114722.D	AR-1242-1 #2	yogesh	10/29/2025 8:34:37 AM	Sohil	10/29/2025 4:06:21	Peak Integrated by Software
AR1248CCC50 0	PO114723.D	AR-1248-1 #2	yogesh	10/29/2025 8:34:39 AM	Sohil	10/29/2025 4:06:23	Peak Integrated by Software
AR1254CCC50 0	PO114724.D	AR-1254-1	yogesh	10/29/2025 8:34:40 AM	Sohil	10/29/2025 4:06:28	Peak Integrated by Software
I.BLK	PO114725.D	Decachlorobiphenyl #2	yogesh	10/29/2025 8:34:42 AM	Sohil	10/29/2025 4:06:29	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP102125	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
I.BLK	PP075887.D	Decachlorobiphenyl	yogesh	10/22/2025 12:24:41 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1660ICC050	PP075892.D	AR-1016-3	yogesh	10/22/2025 12:25:25 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1660ICC050	PP075892.D	AR-1016-3 #2	yogesh	10/22/2025 12:25:25 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1660ICC050	PP075892.D	AR-1016-4	yogesh	10/22/2025 12:25:25 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1660ICC050	PP075892.D	AR-1016-4 #2	yogesh	10/22/2025 12:25:25 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1660ICC050	PP075892.D	AR-1016-5 #2	yogesh	10/22/2025 12:25:25 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1660ICC050	PP075892.D	Tetrachloro-m-xylene #2	yogesh	10/22/2025 12:25:25 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1232ICC500	PP075894.D	AR-1232-4 #2	yogesh	10/22/2025 12:24:44 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1242ICC1000	PP075895.D	AR-1242-4 #2	yogesh	10/22/2025 12:24:45 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1242ICC750	PP075896.D	AR-1242-4 #2	yogesh	10/22/2025 12:24:46 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1242ICC500	PP075897.D	AR-1242-4 #2	yogesh	10/22/2025 12:24:48 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1242ICC250	PP075898.D	AR-1242-4 #2	yogesh	10/22/2025 12:24:50 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1242ICC250	PP075898.D	AR-1242-5	yogesh	10/22/2025 12:24:50 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP102125	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242ICC050	PP075899.D	AR-1242-5	yogesh	10/22/2025 12:24:52 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1242ICC050	PP075899.D	Tetrachloro-m-xylene #2	yogesh	10/22/2025 12:24:52 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1248ICC1000	PP075900.D	AR-1248-3 #2	yogesh	10/22/2025 12:24:53 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1248ICC750	PP075901.D	AR-1248-3 #2	yogesh	10/22/2025 12:24:55 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1248ICC500	PP075902.D	AR-1248-3 #2	yogesh	10/22/2025 12:24:57 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1248ICC250	PP075903.D	AR-1248-3 #2	yogesh	10/22/2025 12:24:58 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1248ICC050	PP075904.D	AR-1248-4	yogesh	10/22/2025 12:25:00 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1248ICC050	PP075904.D	AR-1248-4 #2	yogesh	10/22/2025 12:25:00 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1248ICC050	PP075904.D	AR-1248-5	yogesh	10/22/2025 12:25:00 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1248ICC050	PP075904.D	AR-1248-5 #2	yogesh	10/22/2025 12:25:00 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1248ICC050	PP075904.D	Tetrachloro-m-xylene #2	yogesh	10/22/2025 12:25:00 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1254ICC1000	PP075905.D	AR-1254-1	yogesh	10/22/2025 12:25:02 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1254ICC750	PP075906.D	AR-1254-1	yogesh	10/22/2025 12:25:03 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP102125	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254ICC750	PP075906.D	AR-1254-5 #2	yogesh	10/22/2025 12:25:03 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1254ICC500	PP075907.D	AR-1254-1	yogesh	10/22/2025 12:25:05 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1254ICC250	PP075908.D	AR-1254-1	yogesh	10/22/2025 12:25:07 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1254ICC050	PP075909.D	Tetrachloro-m-xylene #2	yogesh	10/22/2025 12:25:09 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1242ICV500	PP075917.D	AR-1242-4 #2	yogesh	10/24/2025 4:12:30 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1242ICV500	PP075917.D	Decachlorobiphenyl	yogesh	10/24/2025 4:12:30 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1248ICV500	PP075918.D	AR-1248-3 #2	yogesh	10/24/2025 4:12:35 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1254ICV500	PP075919.D	AR-1254-1 #2	yogesh	10/24/2025 4:12:33 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP102825	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PP076111.D	AR-1242-4 #2	yogesh	10/29/2025 8:35:53 AM	Sohil	10/29/2025 4:00:43	Peak Integrated by Software
AR1242CCC500	PP076111.D	AR-1242-5 #2	yogesh	10/29/2025 8:35:53 AM	Sohil	10/29/2025 4:00:43	Peak Integrated by Software
AR1248CCC500	PP076112.D	AR-1248-1 #2	yogesh	10/29/2025 8:35:55 AM	Sohil	10/29/2025 4:00:47	Peak Integrated by Software
AR1248CCC500	PP076112.D	AR-1248-3 #2	yogesh	10/29/2025 8:35:55 AM	Sohil	10/29/2025 4:00:47	Peak Integrated by Software
AR1248CCC500	PP076112.D	AR-1248-5 #2	yogesh	10/29/2025 8:35:55 AM	Sohil	10/29/2025 4:00:47	Peak Integrated by Software
AR1254CCC500	PP076113.D	AR-1254-1	yogesh	10/29/2025 8:35:57 AM	Sohil	10/29/2025 4:00:52	Peak Integrated by Software
AR1254CCC500	PP076113.D	AR-1254-1 #2	yogesh	10/29/2025 8:35:57 AM	Sohil	10/29/2025 4:00:52	Peak Integrated by Software
AR1660CCC500	PP076126.D	AR-1016-1 #2	yogesh	10/29/2025 8:36:22 AM	Sohil	10/29/2025 4:01:47	Peak Integrated by Software
AR1242CCC500	PP076127.D	AR-1242-4 #2	yogesh	10/29/2025 8:36:24 AM	Sohil	10/29/2025 4:01:48	Peak Integrated by Software
AR1242CCC500	PP076127.D	AR-1242-5 #2	yogesh	10/29/2025 8:36:24 AM	Sohil	10/29/2025 4:01:48	Peak Integrated by Software
AR1248CCC500	PP076128.D	AR-1248-3 #2	yogesh	10/29/2025 8:36:26 AM	Sohil	10/29/2025 4:01:50	Peak Integrated by Software
AR1248CCC500	PP076128.D	AR-1248-5 #2	yogesh	10/29/2025 8:36:26 AM	Sohil	10/29/2025 4:01:50	Peak Integrated by Software
AR1254CCC500	PP076129.D	AR-1254-1	yogesh	10/29/2025 8:36:28 AM	Sohil	10/29/2025 4:01:52	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP102825	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PP076129.D	AR-1254-1 #2	yogesh	10/29/2025 8:36:28 AM	Sohil	10/29/2025 4:01:52	Peak Integrated by Software
Q3466-02	PP076135.D	AR-1254-1	yogesh	10/29/2025 8:36:32 AM	Sohil	10/29/2025 4:01:56	Peak Integrated by Software
AR1242CCC500	PP076143.D	AR-1242-4 #2	yogesh	10/29/2025 8:36:37 AM	Sohil	10/29/2025 4:02:35	Peak Integrated by Software
AR1242CCC500	PP076143.D	AR-1242-5 #2	yogesh	10/29/2025 8:36:37 AM	Sohil	10/29/2025 4:02:35	Peak Integrated by Software
AR1248CCC500	PP076144.D	AR-1248-3 #2	yogesh	10/29/2025 8:36:40 AM	Sohil	10/29/2025 4:02:40	Peak Integrated by Software
AR1248CCC500	PP076144.D	AR-1248-5 #2	yogesh	10/29/2025 8:36:40 AM	Sohil	10/29/2025 4:02:40	Peak Integrated by Software
AR1254CCC500	PP076145.D	AR-1254-1	yogesh	10/29/2025 8:36:42 AM	Sohil	10/29/2025 4:02:44	Peak Integrated by Software

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Manual Integration Report

Sequence:	Pp102925	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC50 0	PP076149.D	AR-1242-1 #2	yogesh	10/30/2025 7:21:19 AM	Sohil	10/30/2025 3:45:15	Peak Integrated by Software
AR1242CCC50 0	PP076149.D	AR-1242-4 #2	yogesh	10/30/2025 7:21:19 AM	Sohil	10/30/2025 3:45:15	Peak Integrated by Software
AR1248CCC50 0	PP076150.D	AR-1248-3 #2	yogesh	10/30/2025 7:21:21 AM	Sohil	10/30/2025 3:45:38	Peak Integrated by Software
AR1254CCC50 0	PP076151.D	AR-1254-1	yogesh	10/30/2025 7:21:23 AM	Sohil	10/30/2025 3:45:40	Peak Integrated by Software
I.BLK	PP076152.D	Decachlorobiphenyl	yogesh	10/30/2025 7:21:25 AM	Sohil	10/30/2025 3:45:43	Peak Integrated by Software
PB170282BS	PP076153.D	AR-1260-4	yogesh	10/30/2025 7:21:27 AM	Sohil	10/30/2025 3:45:45	Peak Integrated by Software
AR1242CCC50 0	PP076160.D	AR-1242-4 #2	yogesh	10/30/2025 7:21:35 AM	Sohil	10/30/2025 3:45:55	Peak Integrated by Software
AR1248CCC50 0	PP076161.D	AR-1248-3 #2	yogesh	10/30/2025 7:21:37 AM	Sohil	10/30/2025 3:45:58	Peak Integrated by Software
AR1248CCC50 0	PP076161.D	AR-1248-5 #2	yogesh	10/30/2025 7:21:37 AM	Sohil	10/30/2025 3:45:58	Peak Integrated by Software
AR1254CCC50 0	PP076162.D	AR-1254-1	yogesh	10/30/2025 7:21:39 AM	Sohil	10/30/2025 3:46:01	Peak Integrated by Software
AR1242CCC50 0	PP076174.D	AR-1242-4 #2	yogesh	10/30/2025 8:22:43 AM	Sohil	10/30/2025 3:46:22	Peak Integrated by Software
AR1242CCC50 0	PP076174.D	AR-1242-5 #2	yogesh	10/30/2025 8:22:43 AM	Sohil	10/30/2025 3:46:22	Peak Integrated by Software
AR1248CCC50 0	PP076175.D	AR-1248-3 #2	yogesh	10/30/2025 7:21:55 AM	Sohil	10/30/2025 3:46:24	Peak Integrated by Software

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Manual Integration Report

Sequence:	Pp102925	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1248CCC500	PP076175.D	AR-1248-5 #2	yogesh	10/30/2025 7:21:55 AM	Sohil	10/30/2025 3:46:24	Peak Integrated by Software
AR1254CCC500	PP076176.D	AR-1254-1	yogesh	10/30/2025 7:21:56 AM	Sohil	10/30/2025 3:46:27	Peak Integrated by Software

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO100925

Review By	yogesh	Review On	10/9/2025 1:00:25 PM		
Supervise By	mohammad	Supervise On	10/11/2025 1:35:39 AM		
SubDirectory	PO100925	HP Acquire Method		HP Processing Method	PO100925

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	PO114311.D	09 Oct 2025 13:37	YP/AJ	Ok
2	I.BLK	PO114312.D	09 Oct 2025 13:55	YP/AJ	Ok
3	AR1660ICC1000	PO114313.D	09 Oct 2025 14:14	YP/AJ	Ok
4	AR1660ICC750	PO114314.D	09 Oct 2025 14:32	YP/AJ	Ok
5	AR1660ICC500	PO114315.D	09 Oct 2025 14:50	YP/AJ	Ok
6	AR1660ICC250	PO114316.D	09 Oct 2025 15:09	YP/AJ	Ok
7	AR1660ICC050	PO114317.D	09 Oct 2025 15:27	YP/AJ	Ok,M
8	AR1221ICC500	PO114318.D	09 Oct 2025 15:45	YP/AJ	Ok
9	AR1232ICC500	PO114319.D	09 Oct 2025 16:04	YP/AJ	Ok
10	AR1242ICC1000	PO114320.D	09 Oct 2025 16:22	YP/AJ	Ok
11	AR1242ICC750	PO114321.D	09 Oct 2025 16:40	YP/AJ	Ok
12	AR1242ICC500	PO114322.D	09 Oct 2025 16:59	YP/AJ	Ok
13	AR1242ICC250	PO114323.D	09 Oct 2025 17:17	YP/AJ	Ok
14	AR1242ICC050	PO114324.D	09 Oct 2025 17:35	YP/AJ	Ok,M
15	AR1248ICC1000	PO114325.D	09 Oct 2025 17:54	YP/AJ	Ok
16	AR1248ICC750	PO114326.D	09 Oct 2025 18:12	YP/AJ	Ok
17	AR1248ICC500	PO114327.D	09 Oct 2025 18:30	YP/AJ	Ok
18	AR1248ICC250	PO114328.D	09 Oct 2025 18:49	YP/AJ	Ok,M
19	AR1248ICC050	PO114329.D	09 Oct 2025 19:07	YP/AJ	Ok,M
20	AR1254ICC1000	PO114330.D	09 Oct 2025 19:26	YP/AJ	Ok
21	AR1254ICC750	PO114331.D	09 Oct 2025 19:44	YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO100925

Review By	yogesh	Review On	10/9/2025 1:00:25 PM		
Supervise By	mohammad	Supervise On	10/11/2025 1:35:39 AM		
SubDirectory	PO100925	HP Acquire Method		HP Processing Method	PO100925

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	PO114332.D	09 Oct 2025 20:02	YP/AJ	Ok
23	AR1254ICC250	PO114333.D	09 Oct 2025 20:21	YP/AJ	Ok
24	AR1254ICC050	PO114334.D	09 Oct 2025 20:39	YP/AJ	Ok
25	AR1262ICC500	PO114335.D	09 Oct 2025 20:57	YP/AJ	Ok
26	AR1268ICC1000	PO114336.D	09 Oct 2025 21:16	YP/AJ	Ok
27	AR1268ICC750	PO114337.D	09 Oct 2025 21:34	YP/AJ	Ok
28	AR1268ICC500	PO114338.D	09 Oct 2025 21:52	YP/AJ	Ok
29	AR1268ICC250	PO114339.D	09 Oct 2025 22:11	YP/AJ	Ok,M
30	AR1268ICC050	PO114340.D	09 Oct 2025 22:29	YP/AJ	Ok,M
31	PO100925ICV500	PO114341.D	09 Oct 2025 22:47	YP/AJ	Ok
32	AR1242ICV500	PO114342.D	09 Oct 2025 23:24	YP/AJ	Ok
33	AR1248ICV500	PO114343.D	10 Oct 2025 00:01	YP/AJ	Ok
34	AR1254ICV500	PO114344.D	10 Oct 2025 00:38	YP/AJ	Ok
35	AR1268ICV500	PO114345.D	10 Oct 2025 01:14	YP/AJ	Ok
36	DDT ANALOG	PO114346.D	10 Oct 2025 01:51	YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO102825

Review By	yogesh	Review On	10/28/2025 10:22:06 AM		
Supervise By	Sohil	Supervise On	10/29/2025 4:07:05 PM		
SubDirectory	PO102825	HP Acquire Method		HP Processing Method	PO100925

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	PO114693.D	28 Oct 2025 09:15	YP/AJ	Ok
2	AR1660CCC500	PO114694.D	28 Oct 2025 09:33	YP/AJ	Ok,M
3	AR1242CCC500	PO114695.D	28 Oct 2025 10:10	YP/AJ	Ok
4	AR1248CCC500	PO114696.D	28 Oct 2025 10:28	YP/AJ	Ok
5	AR1254CCC500	PO114697.D	28 Oct 2025 10:47	YP/AJ	Ok,M
6	AR1268CCC500	PO114698.D	28 Oct 2025 11:05	YP/AJ	Ok
7	I.BLK	PO114699.D	28 Oct 2025 11:23	YP/AJ	Ok,M
8	Q3461-01	PO114700.D	28 Oct 2025 11:52	YP/AJ	Dilution
9	Q3461-02	PO114701.D	28 Oct 2025 12:10	YP/AJ	Dilution
10	Q3461-03	PO114702.D	28 Oct 2025 12:29	YP/AJ	Ok,M
11	Q3461-04	PO114703.D	28 Oct 2025 12:47	YP/AJ	Ok
12	Q3461-03	PO114704.D	28 Oct 2025 13:05	YP/AJ	Not Ok
13	Q3461-01DL	PO114705.D	28 Oct 2025 13:24	YP/AJ	Ok,M
14	Q3461-02DL	PO114706.D	28 Oct 2025 13:42	YP/AJ	Ok
15	Q3461-01MS	PO114707.D	28 Oct 2025 14:00	YP/AJ	Ok,M
16	Q3461-01MSD	PO114708.D	28 Oct 2025 14:19	YP/AJ	Ok,M
17	AR1660CCC500	PO114709.D	28 Oct 2025 15:28	YP/AJ	Ok,M
18	AR1242CCC500	PO114710.D	28 Oct 2025 15:46	YP/AJ	Ok
19	AR1248CCC500	PO114711.D	28 Oct 2025 16:05	YP/AJ	Ok
20	AR1254CCC500	PO114712.D	28 Oct 2025 16:23	YP/AJ	Ok
21	I.BLK	PO114713.D	28 Oct 2025 16:41	YP/AJ	Ok,M

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO102825

Review By	yogesh	Review On	10/28/2025 10:22:06 AM		
Supervise By	Sohil	Supervise On	10/29/2025 4:07:05 PM		
SubDirectory	PO102825	HP Acquire Method		HP Processing Method	PO100925

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	PB170284BL	PO114714.D	28 Oct 2025 17:00	YP/AJ	Ok
23	PB170284BS	PO114715.D	28 Oct 2025 17:18	YP/AJ	Ok,M
24	Q3453-01	PO114716.D	28 Oct 2025 17:36	YP/AJ	Ok,M
25	Q3453-02	PO114717.D	28 Oct 2025 17:55	YP/AJ	Ok
26	Q3453-03	PO114718.D	28 Oct 2025 18:13	YP/AJ	Ok
27	Q3453-04	PO114719.D	28 Oct 2025 18:32	YP/AJ	Ok,M
28	Q3458-01	PO114720.D	28 Oct 2025 18:50	YP/AJ	Ok
29	AR1660CCC500	PO114721.D	28 Oct 2025 20:03	YP/AJ	Ok,M
30	AR1242CCC500	PO114722.D	28 Oct 2025 20:59	YP/AJ	Ok,M
31	AR1248CCC500	PO114723.D	28 Oct 2025 21:17	YP/AJ	Ok,M
32	AR1254CCC500	PO114724.D	28 Oct 2025 21:35	YP/AJ	Ok,M
33	I.BLK	PO114725.D	28 Oct 2025 21:54	YP/AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP102125

Review By	yogesh	Review On	10/21/2025 12:01:15 PM		
Supervise By	mohammad	Supervise On	10/25/2025 7:28:37 AM		
SubDirectory	PP102125	HP Acquire Method		HP Processing Method	PP102125

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	PP075886.D	21 Oct 2025 08:33	YP\AJ	Ok
2	I.BLK	PP075887.D	21 Oct 2025 08:49	YP\AJ	Ok,M
3	AR1660ICC1000	PP075888.D	21 Oct 2025 09:06	YP\AJ	Ok
4	AR1660ICC750	PP075889.D	21 Oct 2025 09:22	YP\AJ	Ok
5	AR1660ICC500	PP075890.D	21 Oct 2025 09:38	YP\AJ	Ok
6	AR1660ICC250	PP075891.D	21 Oct 2025 09:54	YP\AJ	Ok
7	AR1660ICC050	PP075892.D	21 Oct 2025 10:11	YP\AJ	Ok,M
8	AR1221ICC500	PP075893.D	21 Oct 2025 10:27	YP\AJ	Ok
9	AR1232ICC500	PP075894.D	21 Oct 2025 10:43	YP\AJ	Ok,M
10	AR1242ICC1000	PP075895.D	21 Oct 2025 10:59	YP\AJ	Ok,M
11	AR1242ICC750	PP075896.D	21 Oct 2025 11:16	YP\AJ	Ok,M
12	AR1242ICC500	PP075897.D	21 Oct 2025 11:48	YP\AJ	Ok,M
13	AR1242ICC250	PP075898.D	21 Oct 2025 12:04	YP\AJ	Ok,M
14	AR1242ICC050	PP075899.D	21 Oct 2025 12:21	YP\AJ	Ok,M
15	AR1248ICC1000	PP075900.D	21 Oct 2025 12:41	YP\AJ	Ok,M
16	AR1248ICC750	PP075901.D	21 Oct 2025 12:57	YP\AJ	Ok,M
17	AR1248ICC500	PP075902.D	21 Oct 2025 13:13	YP\AJ	Ok,M
18	AR1248ICC250	PP075903.D	21 Oct 2025 13:30	YP\AJ	Ok,M
19	AR1248ICC050	PP075904.D	21 Oct 2025 13:46	YP\AJ	Ok,M
20	AR1254ICC1000	PP075905.D	21 Oct 2025 14:02	YP\AJ	Ok,M
21	AR1254ICC750	PP075906.D	21 Oct 2025 14:18	YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP102125

Review By	yogesh	Review On	10/21/2025 12:01:15 PM		
Supervise By	mohammad	Supervise On	10/25/2025 7:28:37 AM		
SubDirectory	PP102125	HP Acquire Method		HP Processing Method	PP102125

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	PP075907.D	21 Oct 2025 14:35	YP\AJ	Ok,M
23	AR1254ICC250	PP075908.D	21 Oct 2025 14:51	YP\AJ	Ok,M
24	AR1254ICC050	PP075909.D	21 Oct 2025 15:07	YP\AJ	Ok,M
25	AR1262ICC500	PP075910.D	21 Oct 2025 15:40	YP\AJ	Ok
26	AR1268ICC1000	PP075911.D	21 Oct 2025 15:56	YP\AJ	Ok
27	AR1268ICC750	PP075912.D	21 Oct 2025 16:12	YP\AJ	Ok
28	AR1268ICC500	PP075913.D	21 Oct 2025 16:29	YP\AJ	Ok
29	AR1268ICC250	PP075914.D	21 Oct 2025 16:45	YP\AJ	Ok
30	AR1268ICC050	PP075915.D	21 Oct 2025 17:01	YP\AJ	Ok
31	PP102125ICV500	PP075916.D	21 Oct 2025 17:34	YP\AJ	Ok
32	AR1242ICV500	PP075917.D	21 Oct 2025 18:06	YP\AJ	Ok,M
33	AR1248ICV500	PP075918.D	21 Oct 2025 18:39	YP\AJ	Ok,M
34	AR1254ICV500	PP075919.D	22 Oct 2025 08:49	YP\AJ	Ok,M
35	AR1268ICV500	PP075920.D	22 Oct 2025 09:07	YP\AJ	Ok
36	DDT ANALOG	PP075921.D	22 Oct 2025 09:25	YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP102825

Review By	yogesh	Review On	10/28/2025 10:20:32 AM		
Supervise By	Sohil	Supervise On	10/29/2025 4:02:54 PM		
SubDirectory	PP102825	HP Acquire Method		HP Processing Method	PP102125

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	PP076109.D	28 Oct 2025 09:06	YP\AJ	Ok
2	AR1660CCC500	PP076110.D	28 Oct 2025 09:22	YP\AJ	Ok
3	AR1242CCC500	PP076111.D	28 Oct 2025 09:43	YP\AJ	Ok,M
4	AR1248CCC500	PP076112.D	28 Oct 2025 10:00	YP\AJ	Ok,M
5	AR1254CCC500	PP076113.D	28 Oct 2025 10:16	YP\AJ	Ok,M
6	AR1268CCC500	PP076114.D	28 Oct 2025 10:32	YP\AJ	Ok
7	I.BLK	PP076115.D	28 Oct 2025 10:48	YP\AJ	Ok
8	Q3439-01	PP076116.D	28 Oct 2025 11:05	YP\AJ	Ok
9	Q3460-05	PP076117.D	28 Oct 2025 11:21	YP\AJ	Ok
10	Q3460-09	PP076118.D	28 Oct 2025 11:37	YP\AJ	Ok
11	Q3447-03RE	PP076119.D	28 Oct 2025 11:53	YP\AJ	Confirms
12	Q3447-01RE	PP076120.D	28 Oct 2025 12:09	YP\AJ	Confirms
13	Q3472-10	PP076121.D	28 Oct 2025 12:26	YP\AJ	Ok,M
14	Q3472-12	PP076122.D	28 Oct 2025 12:42	YP\AJ	Ok,M
15	Q3472-14	PP076123.D	28 Oct 2025 12:58	YP\AJ	Ok,M
16	Q3472-16	PP076124.D	28 Oct 2025 13:14	YP\AJ	Ok,M
17	Q3472-18	PP076125.D	28 Oct 2025 13:30	YP\AJ	Ok,M
18	AR1660CCC500	PP076126.D	28 Oct 2025 14:35	YP\AJ	Ok,M
19	AR1242CCC500	PP076127.D	28 Oct 2025 14:52	YP\AJ	Ok,M
20	AR1248CCC500	PP076128.D	28 Oct 2025 15:08	YP\AJ	Ok,M
21	AR1254CCC500	PP076129.D	28 Oct 2025 15:24	YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP102825

Review By	yogesh	Review On	10/28/2025 10:20:32 AM		
Supervise By	Sohil	Supervise On	10/29/2025 4:02:54 PM		
SubDirectory	PP102825	HP Acquire Method		HP Processing Method	PP102125

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	AR1268CCC500	PP076130.D	28 Oct 2025 15:40	YP\AJ	Ok
23	I.BLK	PP076131.D	28 Oct 2025 15:57	YP\AJ	Ok
24	PB170282BL	PP076132.D	28 Oct 2025 16:13	YP\AJ	Ok
25	PB170282BS	PP076133.D	28 Oct 2025 16:29	YP\AJ	Not Ok
26	Q3465-01	PP076134.D	28 Oct 2025 16:45	YP\AJ	Ok
27	Q3466-02	PP076135.D	28 Oct 2025 17:02	YP\AJ	Ok,M
28	Q3466-05	PP076136.D	28 Oct 2025 17:18	YP\AJ	Ok
29	Q3466-07	PP076137.D	28 Oct 2025 17:34	YP\AJ	Ok
30	Q3469-01	PP076138.D	28 Oct 2025 17:50	YP\AJ	Ok
31	Q3472-04	PP076139.D	28 Oct 2025 18:06	YP\AJ	Ok,M
32	Q3472-06	PP076140.D	28 Oct 2025 18:23	YP\AJ	Ok,M
33	Q3472-08	PP076141.D	28 Oct 2025 18:39	YP\AJ	Not Ok
34	AR1660CCC500	PP076142.D	28 Oct 2025 19:44	YP\AJ	Ok
35	AR1242CCC500	PP076143.D	28 Oct 2025 20:32	YP\AJ	Ok,M
36	AR1248CCC500	PP076144.D	28 Oct 2025 20:49	YP\AJ	Ok,M
37	AR1254CCC500	PP076145.D	28 Oct 2025 21:05	YP\AJ	Ok,M
38	I.BLK	PP076146.D	28 Oct 2025 21:21	YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP102925

Review By	yogesh	Review On	10/29/2025 10:06:47 AM		
Supervise By	Sohil	Supervise On	10/30/2025 3:46:40 PM		
SubDirectory	PP102925	HP Acquire Method		HP Processing Method	PP102125

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	PP076147.D	29 Oct 2025 09:32	YP\AJ	Ok
2	AR1660CCC500	PP076148.D	29 Oct 2025 09:48	YP\AJ	Ok
3	AR1242CCC500	PP076149.D	29 Oct 2025 10:05	YP\AJ	Ok,M
4	AR1248CCC500	PP076150.D	29 Oct 2025 10:21	YP\AJ	Ok,M
5	AR1254CCC500	PP076151.D	29 Oct 2025 10:37	YP\AJ	Ok,M
6	I.BLK	PP076152.D	29 Oct 2025 10:53	YP\AJ	Ok,M
7	PB170282BS	PP076153.D	29 Oct 2025 11:10	YP\AJ	Ok,M
8	Q3472-08	PP076154.D	29 Oct 2025 11:28	YP\AJ	Ok,M
9	Q3480-01	PP076155.D	29 Oct 2025 12:00	YP\AJ	Ok
10	Q3480-01MS	PP076156.D	29 Oct 2025 12:16	YP\AJ	Ok,M
11	Q3480-01MSD	PP076157.D	29 Oct 2025 12:33	YP\AJ	Ok,M
12	Q3481-01	PP076158.D	29 Oct 2025 12:49	YP\AJ	Ok
13	AR1660CCC500	PP076159.D	29 Oct 2025 13:54	YP\AJ	Ok
14	AR1242CCC500	PP076160.D	29 Oct 2025 14:10	YP\AJ	Ok,M
15	AR1248CCC500	PP076161.D	29 Oct 2025 14:27	YP\AJ	Ok,M
16	AR1254CCC500	PP076162.D	29 Oct 2025 14:43	YP\AJ	Ok,M
17	I.BLK	PP076163.D	29 Oct 2025 14:59	YP\AJ	Ok
18	PB170304BL	PP076164.D	29 Oct 2025 15:15	YP\AJ	Ok
19	PB170304BS	PP076165.D	29 Oct 2025 15:32	YP\AJ	Ok,M
20	PB170304BSD	PP076166.D	29 Oct 2025 15:48	YP\AJ	Ok,M
21	Q3454-01	PP076167.D	29 Oct 2025 16:04	YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP102925

Review By	yogesh	Review On	10/29/2025 10:06:47 AM		
Supervise By	Sohil	Supervise On	10/30/2025 3:46:40 PM		
SubDirectory	PP102925	HP Acquire Method		HP Processing Method	PP102125

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	Q3472-20	PP076168.D	29 Oct 2025 16:20	YP\AJ	Ok,M
23	Q3475-01	PP076169.D	29 Oct 2025 16:36	YP\AJ	Ok,M
24	Q3477-03	PP076170.D	29 Oct 2025 16:53	YP\AJ	Ok,M
25	Q3472-03	PP076171.D	29 Oct 2025 17:09	YP\AJ	Ok,M
26	Q3472-19	PP076172.D	29 Oct 2025 17:25	YP\AJ	Not Ok
27	AR1660CCC500	PP076173.D	29 Oct 2025 18:30	YP\AJ	Ok
28	AR1242CCC500	PP076174.D	29 Oct 2025 19:19	YP\AJ	Ok,M
29	AR1248CCC500	PP076175.D	29 Oct 2025 19:35	YP\AJ	Ok,M
30	AR1254CCC500	PP076176.D	29 Oct 2025 19:51	YP\AJ	Ok,M
31	I.BLK	PP076177.D	29 Oct 2025 20:07	YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO100925

Review By	yogesh	Review On	10/9/2025 1:00:25 PM		
Supervise By	mohammad	Supervise On	10/11/2025 1:35:39 AM		
SubDirectory	PO100925	HP Acquire Method		HP Processing Method	PO100925

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	PO114311.D	09 Oct 2025 13:37		YP/AJ	Ok
2	I.BLK	I.BLK	PO114312.D	09 Oct 2025 13:55		YP/AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PO114313.D	09 Oct 2025 14:14		YP/AJ	Ok
4	AR1660ICC750	AR1660ICC750	PO114314.D	09 Oct 2025 14:32		YP/AJ	Ok
5	AR1660ICC500	AR1660ICC500	PO114315.D	09 Oct 2025 14:50		YP/AJ	Ok
6	AR1660ICC250	AR1660ICC250	PO114316.D	09 Oct 2025 15:09		YP/AJ	Ok
7	AR1660ICC050	AR1660ICC050	PO114317.D	09 Oct 2025 15:27		YP/AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PO114318.D	09 Oct 2025 15:45		YP/AJ	Ok
9	AR1232ICC500	AR1232ICC500	PO114319.D	09 Oct 2025 16:04		YP/AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PO114320.D	09 Oct 2025 16:22		YP/AJ	Ok
11	AR1242ICC750	AR1242ICC750	PO114321.D	09 Oct 2025 16:40		YP/AJ	Ok
12	AR1242ICC500	AR1242ICC500	PO114322.D	09 Oct 2025 16:59		YP/AJ	Ok
13	AR1242ICC250	AR1242ICC250	PO114323.D	09 Oct 2025 17:17		YP/AJ	Ok
14	AR1242ICC050	AR1242ICC050	PO114324.D	09 Oct 2025 17:35		YP/AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PO114325.D	09 Oct 2025 17:54		YP/AJ	Ok
16	AR1248ICC750	AR1248ICC750	PO114326.D	09 Oct 2025 18:12		YP/AJ	Ok
17	AR1248ICC500	AR1248ICC500	PO114327.D	09 Oct 2025 18:30		YP/AJ	Ok
18	AR1248ICC250	AR1248ICC250	PO114328.D	09 Oct 2025 18:49		YP/AJ	Ok,M

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO100925

Review By	yogesh	Review On	10/9/2025 1:00:25 PM		
Supervise By	mohammad	Supervise On	10/11/2025 1:35:39 AM		
SubDirectory	PO100925	HP Acquire Method		HP Processing Method	PO100925

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	PO114329.D	09 Oct 2025 19:07		YP/AJ	Ok,M
20	AR1254ICC1000	AR1254ICC1000	PO114330.D	09 Oct 2025 19:26		YP/AJ	Ok
21	AR1254ICC750	AR1254ICC750	PO114331.D	09 Oct 2025 19:44		YP/AJ	Ok
22	AR1254ICC500	AR1254ICC500	PO114332.D	09 Oct 2025 20:02		YP/AJ	Ok
23	AR1254ICC250	AR1254ICC250	PO114333.D	09 Oct 2025 20:21		YP/AJ	Ok
24	AR1254ICC050	AR1254ICC050	PO114334.D	09 Oct 2025 20:39		YP/AJ	Ok
25	AR1262ICC500	AR1262ICC500	PO114335.D	09 Oct 2025 20:57		YP/AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PO114336.D	09 Oct 2025 21:16		YP/AJ	Ok
27	AR1268ICC750	AR1268ICC750	PO114337.D	09 Oct 2025 21:34		YP/AJ	Ok
28	AR1268ICC500	AR1268ICC500	PO114338.D	09 Oct 2025 21:52		YP/AJ	Ok
29	AR1268ICC250	AR1268ICC250	PO114339.D	09 Oct 2025 22:11		YP/AJ	Ok,M
30	AR1268ICC050	AR1268ICC050	PO114340.D	09 Oct 2025 22:29		YP/AJ	Ok,M
31	PO100925ICV500	ICVPO100925	PO114341.D	09 Oct 2025 22:47		YP/AJ	Ok
32	AR1242ICV500	ICVPO100925AR1242	PO114342.D	09 Oct 2025 23:24		YP/AJ	Ok
33	AR1248ICV500	ICVPO100925AR1248	PO114343.D	10 Oct 2025 00:01		YP/AJ	Ok
34	AR1254ICV500	ICVPO100925AR1254	PO114344.D	10 Oct 2025 00:38		YP/AJ	Ok
35	AR1268ICV500	ICVPO100925AR1268	PO114345.D	10 Oct 2025 01:14		YP/AJ	Ok
36	DDT ANALOG	DDT ANALOG	PO114346.D	10 Oct 2025 01:51		YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO102825

Review By	yogesh	Review On	10/28/2025 10:22:06 AM		
Supervise By	Sohil	Supervise On	10/29/2025 4:07:05 PM		
SubDirectory	PO102825	HP Acquire Method		HP Processing Method	PO100925

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	PO114693.D	28 Oct 2025 09:15		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO114694.D	28 Oct 2025 09:33	AR1260-04 high in second column	YP/AJ	Ok,M
3	AR1242CCC500	AR1242CCC500	PO114695.D	28 Oct 2025 10:10		YP/AJ	Ok
4	AR1248CCC500	AR1248CCC500	PO114696.D	28 Oct 2025 10:28		YP/AJ	Ok
5	AR1254CCC500	AR1254CCC500	PO114697.D	28 Oct 2025 10:47		YP/AJ	Ok,M
6	AR1268CCC500	AR1268CCC500	PO114698.D	28 Oct 2025 11:05		YP/AJ	Ok
7	I.BLK	I.BLK	PO114699.D	28 Oct 2025 11:23		YP/AJ	Ok,M
8	Q3461-01	SS-9R(4.5-5.0)	PO114700.D	28 Oct 2025 11:52	AR1254 Hit,Need 2X	YP/AJ	Dilution
9	Q3461-02	SS-9R(5.0-5.5)	PO114701.D	28 Oct 2025 12:10	AR1254 Hit,Need 100X	YP/AJ	Dilution
10	Q3461-03	SS-25(4.5-5.0)	PO114702.D	28 Oct 2025 12:29	AR1254 Hit	YP/AJ	Ok,M
11	Q3461-04	SS-25(5.0-5.5)	PO114703.D	28 Oct 2025 12:47	AR1254 Hit	YP/AJ	Ok
12	Q3461-03	SS-25(4.5-5.0)	PO114704.D	28 Oct 2025 13:05	AR1254 Hit,Already run	YP/AJ	Not Ok
13	Q3461-01DL	SS-9R(4.5-5.0)DL	PO114705.D	28 Oct 2025 13:24	AR1254 Hit	YP/AJ	Ok,M
14	Q3461-02DL	SS-9R(5.0-5.5)DL	PO114706.D	28 Oct 2025 13:42	AR1254 Hit	YP/AJ	Ok
15	Q3461-01MS	SS-9R(4.5-5.0)MS	PO114707.D	28 Oct 2025 14:00	AR1260 recovery fail	YP/AJ	Ok,M
16	Q3461-01MSD	SS-9R(4.5-5.0)MSD	PO114708.D	28 Oct 2025 14:19	AR1260 recovery and RPD fail	YP/AJ	Ok,M
17	AR1660CCC500	AR1660CCC500	PO114709.D	28 Oct 2025 15:28		YP/AJ	Ok,M

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO102825

Review By	yogesh	Review On	10/28/2025 10:22:06 AM		
Supervise By	Sohil	Supervise On	10/29/2025 4:07:05 PM		
SubDirectory	PO102825	HP Acquire Method		HP Processing Method	PO100925

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	

18	AR1242CCC500	AR1242CCC500	PO114710.D	28 Oct 2025 15:46		YP/AJ	Ok
19	AR1248CCC500	AR1248CCC500	PO114711.D	28 Oct 2025 16:05		YP/AJ	Ok
20	AR1254CCC500	AR1254CCC500	PO114712.D	28 Oct 2025 16:23		YP/AJ	Ok
21	I.BLK	I.BLK	PO114713.D	28 Oct 2025 16:41		YP/AJ	Ok,M
22	PB170284BL	PB170284BL	PO114714.D	28 Oct 2025 17:00		YP/AJ	Ok
23	PB170284BS	PB170284BS	PO114715.D	28 Oct 2025 17:18		YP/AJ	Ok,M
24	Q3453-01	102225-A	PO114716.D	28 Oct 2025 17:36	AR1242 Hit	YP/AJ	Ok,M
25	Q3453-02	102225-B	PO114717.D	28 Oct 2025 17:55	AR1242 Hit	YP/AJ	Ok
26	Q3453-03	102325-A	PO114718.D	28 Oct 2025 18:13	AR1242 Hit	YP/AJ	Ok
27	Q3453-04	102325-B	PO114719.D	28 Oct 2025 18:32	AR1242 Hit	YP/AJ	Ok,M
28	Q3458-01	TRE-25-0116	PO114720.D	28 Oct 2025 18:50		YP/AJ	Ok
29	AR1660CCC500	AR1660CCC500	PO114721.D	28 Oct 2025 20:03		YP/AJ	Ok,M
30	AR1242CCC500	AR1242CCC500	PO114722.D	28 Oct 2025 20:59		YP/AJ	Ok,M
31	AR1248CCC500	AR1248CCC500	PO114723.D	28 Oct 2025 21:17		YP/AJ	Ok,M
32	AR1254CCC500	AR1254CCC500	PO114724.D	28 Oct 2025 21:35		YP/AJ	Ok,M
33	I.BLK	I.BLK	PO114725.D	28 Oct 2025 21:54		YP/AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP102125

Review By	yogesh	Review On	10/21/2025 12:01:15 PM		
Supervise By	mohammad	Supervise On	10/25/2025 7:28:37 AM		
SubDirectory	PP102125	HP Acquire Method		HP Processing Method	PP102125

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	PP075886.D	21 Oct 2025 08:33		YP\AJ	Ok
2	I.BLK	I.BLK	PP075887.D	21 Oct 2025 08:49		YP\AJ	Ok,M
3	AR1660ICC1000	AR1660ICC1000	PP075888.D	21 Oct 2025 09:06		YP\AJ	Ok
4	AR1660ICC750	AR1660ICC750	PP075889.D	21 Oct 2025 09:22		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PP075890.D	21 Oct 2025 09:38		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PP075891.D	21 Oct 2025 09:54		YP\AJ	Ok
7	AR1660ICC050	AR1660ICC050	PP075892.D	21 Oct 2025 10:11		YP\AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PP075893.D	21 Oct 2025 10:27		YP\AJ	Ok
9	AR1232ICC500	AR1232ICC500	PP075894.D	21 Oct 2025 10:43		YP\AJ	Ok,M
10	AR1242ICC1000	AR1242ICC1000	PP075895.D	21 Oct 2025 10:59		YP\AJ	Ok,M
11	AR1242ICC750	AR1242ICC750	PP075896.D	21 Oct 2025 11:16		YP\AJ	Ok,M
12	AR1242ICC500	AR1242ICC500	PP075897.D	21 Oct 2025 11:48		YP\AJ	Ok,M
13	AR1242ICC250	AR1242ICC250	PP075898.D	21 Oct 2025 12:04		YP\AJ	Ok,M
14	AR1242ICC050	AR1242ICC050	PP075899.D	21 Oct 2025 12:21		YP\AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PP075900.D	21 Oct 2025 12:41		YP\AJ	Ok,M
16	AR1248ICC750	AR1248ICC750	PP075901.D	21 Oct 2025 12:57		YP\AJ	Ok,M
17	AR1248ICC500	AR1248ICC500	PP075902.D	21 Oct 2025 13:13		YP\AJ	Ok,M
18	AR1248ICC250	AR1248ICC250	PP075903.D	21 Oct 2025 13:30		YP\AJ	Ok,M

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP102125

Review By	yogesh	Review On	10/21/2025 12:01:15 PM		
Supervise By	mohammad	Supervise On	10/25/2025 7:28:37 AM		
SubDirectory	PP102125	HP Acquire Method		HP Processing Method	PP102125

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	PP075904.D	21 Oct 2025 13:46		YP\AJ	Ok,M
20	AR1254ICC1000	AR1254ICC1000	PP075905.D	21 Oct 2025 14:02		YP\AJ	Ok,M
21	AR1254ICC750	AR1254ICC750	PP075906.D	21 Oct 2025 14:18		YP\AJ	Ok,M
22	AR1254ICC500	AR1254ICC500	PP075907.D	21 Oct 2025 14:35		YP\AJ	Ok,M
23	AR1254ICC250	AR1254ICC250	PP075908.D	21 Oct 2025 14:51		YP\AJ	Ok,M
24	AR1254ICC050	AR1254ICC050	PP075909.D	21 Oct 2025 15:07		YP\AJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PP075910.D	21 Oct 2025 15:40		YP\AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PP075911.D	21 Oct 2025 15:56		YP\AJ	Ok
27	AR1268ICC750	AR1268ICC750	PP075912.D	21 Oct 2025 16:12		YP\AJ	Ok
28	AR1268ICC500	AR1268ICC500	PP075913.D	21 Oct 2025 16:29		YP\AJ	Ok
29	AR1268ICC250	AR1268ICC250	PP075914.D	21 Oct 2025 16:45		YP\AJ	Ok
30	AR1268ICC050	AR1268ICC050	PP075915.D	21 Oct 2025 17:01		YP\AJ	Ok
31	PP102125ICV500	ICVPP102125	PP075916.D	21 Oct 2025 17:34		YP\AJ	Ok
32	AR1242ICV500	ICVPP102125AR1242	PP075917.D	21 Oct 2025 18:06		YP\AJ	Ok,M
33	AR1248ICV500	ICVPP102125AR1248	PP075918.D	21 Oct 2025 18:39		YP\AJ	Ok,M
34	AR1254ICV500	ICVPP102125AR1254	PP075919.D	22 Oct 2025 08:49		YP\AJ	Ok,M
35	AR1268ICV500	ICVPP102125AR1268	PP075920.D	22 Oct 2025 09:07		YP\AJ	Ok
36	DDT ANALOG	DDT ANALOG	PP075921.D	22 Oct 2025 09:25		YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP102825

Review By	yogesh	Review On	10/28/2025 10:20:32 AM		
Supervise By	Sohil	Supervise On	10/29/2025 4:02:54 PM		
SubDirectory	PP102825	HP Acquire Method		HP Processing Method	PP102125

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	PP076109.D	28 Oct 2025 09:06		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP076110.D	28 Oct 2025 09:22		YP\AJ	Ok
3	AR1242CCC500	AR1242CCC500	PP076111.D	28 Oct 2025 09:43	AR1260-04 high in second column	YP\AJ	Ok,M
4	AR1248CCC500	AR1248CCC500	PP076112.D	28 Oct 2025 10:00		YP\AJ	Ok,M
5	AR1254CCC500	AR1254CCC500	PP076113.D	28 Oct 2025 10:16	TCMX high in sec column	YP\AJ	Ok,M
6	AR1268CCC500	AR1268CCC500	PP076114.D	28 Oct 2025 10:32		YP\AJ	Ok
7	I.BLK	I.BLK	PP076115.D	28 Oct 2025 10:48		YP\AJ	Ok
8	Q3439-01	TP-9	PP076116.D	28 Oct 2025 11:05		YP\AJ	Ok
9	Q3460-05	WC-2	PP076117.D	28 Oct 2025 11:21		YP\AJ	Ok
10	Q3460-09	WC-3	PP076118.D	28 Oct 2025 11:37		YP\AJ	Ok
11	Q3447-03RE	P001-TW2-251023-01R	PP076119.D	28 Oct 2025 11:53	F Flag in TCMX in 2nd column , TCMX high in both column , AR1254+1260 Hit	YP\AJ	Confirms
12	Q3447-01RE	P001-TW1-251023-01R	PP076120.D	28 Oct 2025 12:09	F Flag in TCMX in 2nd column ,DCB high 1st column, TCMX high in both column	YP\AJ	Confirms
13	Q3472-10	COMP-4	PP076121.D	28 Oct 2025 12:26	TCMX low in 2nd column	YP\AJ	Ok,M
14	Q3472-12	COMP-5	PP076122.D	28 Oct 2025 12:42		YP\AJ	Ok,M
15	Q3472-14	155	PP076123.D	28 Oct 2025 12:58	DCB low 2nd column	YP\AJ	Ok,M
16	Q3472-16	142	PP076124.D	28 Oct 2025 13:14		YP\AJ	Ok,M

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Daily Analysis Runlog For Sequence/QCBatch ID # PP102825

Review By	yogesh	Review On	10/28/2025 10:20:32 AM		
Supervise By	Sohil	Supervise On	10/29/2025 4:02:54 PM		
SubDirectory	PP102825	HP Acquire Method		HP Processing Method	PP102125

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	

17	Q3472-18	137	PP076125.D	28 Oct 2025 13:30	TCX, high 2nd column	YP\AJ	Ok,M
18	AR1660CCC500	AR1660CCC500	PP076126.D	28 Oct 2025 14:35		YP\AJ	Ok,M
19	AR1242CCC500	AR1242CCC500	PP076127.D	28 Oct 2025 14:52		YP\AJ	Ok,M
20	AR1248CCC500	AR1248CCC500	PP076128.D	28 Oct 2025 15:08		YP\AJ	Ok,M
21	AR1254CCC500	AR1254CCC500	PP076129.D	28 Oct 2025 15:24		YP\AJ	Ok,M
22	AR1268CCC500	AR1268CCC500	PP076130.D	28 Oct 2025 15:40		YP\AJ	Ok
23	I.BLK	I.BLK	PP076131.D	28 Oct 2025 15:57		YP\AJ	Ok
24	PB170282BL	PB170282BL	PP076132.D	28 Oct 2025 16:13		YP\AJ	Ok
25	PB170282BS	PB170282BS	PP076133.D	28 Oct 2025 16:29	AR1016 recovery fail	YP\AJ	Not Ok
26	Q3465-01	SU-03-10242025	PP076134.D	28 Oct 2025 16:45	AR1254 Hit	YP\AJ	Ok
27	Q3466-02	B8-0.0-1.0-20251023	PP076135.D	28 Oct 2025 17:02	AR1254 Hit	YP\AJ	Ok,M
28	Q3466-05	B9-0.0-1.0-20251023	PP076136.D	28 Oct 2025 17:18		YP\AJ	Ok
29	Q3466-07	B7-1.0-2.0-20251023	PP076137.D	28 Oct 2025 17:34		YP\AJ	Ok
30	Q3469-01	TP-13	PP076138.D	28 Oct 2025 17:50		YP\AJ	Ok
31	Q3472-04	COMP-1	PP076139.D	28 Oct 2025 18:06		YP\AJ	Ok,M
32	Q3472-06	COMP-2	PP076140.D	28 Oct 2025 18:23	TCMX high in 2nd column	YP\AJ	Ok,M
33	Q3472-08	COMP-3	PP076141.D	28 Oct 2025 18:39	F Flag in TCMX in 2nd column , TCMX high in both column	YP\AJ	Not Ok
34	AR1660CCC500	AR1660CCC500	PP076142.D	28 Oct 2025 19:44		YP\AJ	Ok
35	AR1242CCC500	AR1242CCC500	PP076143.D	28 Oct 2025 20:32		YP\AJ	Ok,M

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Daily Analysis Runlog For Sequence/QCBatch ID # PP102825

Review By	yogesh	Review On	10/28/2025 10:20:32 AM		
Supervise By	Sohil	Supervise On	10/29/2025 4:02:54 PM		
SubDirectory	PP102825	HP Acquire Method		HP Processing Method	PP102125

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	AR1248CCC500	AR1248CCC500	PP076144.D	28 Oct 2025 20:49		YP\AJ	Ok,M
37	AR1254CCC500	AR1254CCC500	PP076145.D	28 Oct 2025 21:05		YP\AJ	Ok,M
38	I.BLK	I.BLK	PP076146.D	28 Oct 2025 21:21		YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP102925

Review By	yogesh	Review On	10/29/2025 10:06:47 AM		
Supervise By	Sohil	Supervise On	10/30/2025 3:46:40 PM		
SubDirectory	PP102925	HP Acquire Method		HP Processing Method	PP102125

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	PP076147.D	29 Oct 2025 09:32		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP076148.D	29 Oct 2025 09:48		YP\AJ	Ok
3	AR1242CCC500	AR1242CCC500	PP076149.D	29 Oct 2025 10:05		YP\AJ	Ok,M
4	AR1248CCC500	AR1248CCC500	PP076150.D	29 Oct 2025 10:21		YP\AJ	Ok,M
5	AR1254CCC500	AR1254CCC500	PP076151.D	29 Oct 2025 10:37		YP\AJ	Ok,M
6	I.BLK	I.BLK	PP076152.D	29 Oct 2025 10:53		YP\AJ	Ok,M
7	PB170282BS	PB170282BS	PP076153.D	29 Oct 2025 11:10		YP\AJ	Ok,M
8	Q3472-08	COMP-3	PP076154.D	29 Oct 2025 11:28	TCMX high in 2nd column	YP\AJ	Ok,M
9	Q3480-01	RT3449	PP076155.D	29 Oct 2025 12:00		YP\AJ	Ok
10	Q3480-01MS	RT3449MS	PP076156.D	29 Oct 2025 12:16		YP\AJ	Ok,M
11	Q3480-01MSD	RT3449MSD	PP076157.D	29 Oct 2025 12:33		YP\AJ	Ok,M
12	Q3481-01	OR-02-102825	PP076158.D	29 Oct 2025 12:49		YP\AJ	Ok
13	AR1660CCC500	AR1660CCC500	PP076159.D	29 Oct 2025 13:54		YP\AJ	Ok
14	AR1242CCC500	AR1242CCC500	PP076160.D	29 Oct 2025 14:10		YP\AJ	Ok,M
15	AR1248CCC500	AR1248CCC500	PP076161.D	29 Oct 2025 14:27		YP\AJ	Ok,M
16	AR1254CCC500	AR1254CCC500	PP076162.D	29 Oct 2025 14:43		YP\AJ	Ok,M
17	I.BLK	I.BLK	PP076163.D	29 Oct 2025 14:59		YP\AJ	Ok
18	PB170304BL	PB170304BL	PP076164.D	29 Oct 2025 15:15		YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP102925

Review By	yogesh	Review On	10/29/2025 10:06:47 AM		
Supervise By	Sohil	Supervise On	10/30/2025 3:46:40 PM		
SubDirectory	PP102925	HP Acquire Method		HP Processing Method	PP102125

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	PB170304BS	PB170304BS	PP076165.D	29 Oct 2025 15:32		YP\AJ	Ok,M
20	PB170304BSD	PB170304BSD	PP076166.D	29 Oct 2025 15:48		YP\AJ	Ok,M
21	Q3454-01	101625	PP076167.D	29 Oct 2025 16:04		YP\AJ	Ok,M
22	Q3472-20	COMP-6	PP076168.D	29 Oct 2025 16:20	DCB high in 2nd column	YP\AJ	Ok,M
23	Q3475-01	GW-DRUM	PP076169.D	29 Oct 2025 16:36	AR1254 Hit	YP\AJ	Ok,M
24	Q3477-03	SOUTH-MAHWAH-WA	PP076170.D	29 Oct 2025 16:53		YP\AJ	Ok,M
25	Q3472-03	COMP-7	PP076171.D	29 Oct 2025 17:09		YP\AJ	Ok,M
26	Q3472-19	159	PP076172.D	29 Oct 2025 17:25	DCB Low in 2nd column, Need to ru-run for confirm for hit	YP\AJ	Not Ok
27	AR1660CCC500	AR1660CCC500	PP076173.D	29 Oct 2025 18:30	AR1260-04 high in second column	YP\AJ	Ok
28	AR1242CCC500	AR1242CCC500	PP076174.D	29 Oct 2025 19:19		YP\AJ	Ok,M
29	AR1248CCC500	AR1248CCC500	PP076175.D	29 Oct 2025 19:35		YP\AJ	Ok,M
30	AR1254CCC500	AR1254CCC500	PP076176.D	29 Oct 2025 19:51		YP\AJ	Ok,M
31	I.BLK	I.BLK	PP076177.D	29 Oct 2025 20:07		YP\AJ	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB170282

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 : 10/28/2025

Extraction Start Time : 08:35

Extraction End Date : 10/28/2025

Extraction End Time : 11:45

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	EP2643
Baked Na2SO4	N/A	EP2655
Hexane	N/A	E3978
H2SO4 1:1	N/A	EP2610
Sand	N/A	E3951
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. Q3472 all samples used Limited volume as samples are Oily Debris & 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
10/28/25	RS (Ext-Lab)	R. Post / PCB Lab
11:50	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB170282

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 10/28/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170282BL	ABLK282	PCB	30.01	N/A	ritesh	Evelyn	10			U6-1
PB170282BS	ALCS282	PCB	30.02	N/A	ritesh	Evelyn	10			2
Q3461-01	SS-9R(4.5-5.0)	PCB	30.06	N/A	ritesh	Evelyn	10			3
Q3461-01MS	SS-9R(4.5-5.0)MS	PCB	30.04	N/A	ritesh	Evelyn	10			4
Q3461-01MSD	SS-9R(4.5-5.0)MSD	PCB	30.08	N/A	ritesh	Evelyn	10			5
Q3461-02	SS-9R(5.0-5.5)	PCB	30.07	N/A	ritesh	Evelyn	10			6
Q3461-03	SS-25(4.5-5.0)	PCB	30.05	N/A	ritesh	Evelyn	10			U1-1
Q3461-04	SS-25(5.0-5.5)	PCB	30.03	N/A	ritesh	Evelyn	10			2
Q3465-01	SU-03-10242025	PCB	30.04	N/A	ritesh	Evelyn	10	E		3
Q3466-02	B8-0.0-1.0-20251023	PCB	30.06	N/A	ritesh	Evelyn	10	B		4
Q3466-05	B9-0.0-1.0-20251023	PCB	30.01	N/A	ritesh	Evelyn	10	A		5
Q3466-07	B7-1.0-2.0-20251023	PCB	30.05	N/A	ritesh	Evelyn	10	B		6
Q3469-01	TP-13	PCB	30.03	N/A	ritesh	Evelyn	10	B		U2-1
Q3472-04	COMP-1	PCB	5.04	N/A	ritesh	Evelyn	10	C	Oily Debris	2
Q3472-06	COMP-2	PCB	5.08	N/A	ritesh	Evelyn	10	B	Oily Debris	3
Q3472-08	COMP-3	PCB	5.01	N/A	ritesh	Evelyn	10	B	Oily Debris	4
Q3472-10	COMP-4	PCB	5.06	N/A	ritesh	Evelyn	10	B	Oily Debris	5
Q3472-12	COMP-5	PCB	5.02	N/A	ritesh	Evelyn	10	B	Oily Debris	6
Q3472-14	155	PCB	5.07	N/A	ritesh	Evelyn	10	B	Oily Debris	U3-1
Q3472-16	142	PCB	1.03	N/A	ritesh	Evelyn	10	B	Oil	
Q3472-18	137	PCB	1.06	N/A	ritesh	Evelyn	10	A	Oil	

RS 10/28

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

17023 8:35

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3461 **WorkList ID :** 192721 **Department :** Extraction **Date :** 10-28-2025 08:29:56

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3461-01	SS-9R(4.5-5.0)	Solid	PCB	Cool 4 deg C	MATR02	D41	10/24/2025	8082A
Q3461-02	SS-9R(5.0-5.5)	Solid	PCB	Cool 4 deg C	MATR02	D41	10/24/2025	8082A
Q3461-03	SS-25(4.5-5.0)	Solid	PCB	Cool 4 deg C	MATR02	D41	10/24/2025	8082A
Q3461-04	SS-25(5.0-5.5)	Solid	PCB	Cool 4 deg C	MATR02	D41	10/24/2025	8082A
Q3465-01	SU-03-10242025	Solid	PCB	Cool 4 deg C	PSEG05	D31	10/24/2025	8082A
Q3466-02	B8-0.0-1.0-20251023	Solid	PCB	Cool 4 deg C	HDRI08	D41	10/23/2025	8082A
Q3466-05	B9-0.0-1.0-20251023	Solid	PCB	Cool 4 deg C	HDRI08	D41	10/23/2025	8082A
Q3466-07	B7-1.0-2.0-20251023	Solid	PCB	Cool 4 deg C	HDRI08	D41	10/23/2025	8082A
Q3469-01	TP-13	Solid	PCB	Cool 4 deg C	PSEG03	D41	10/25/2025	8082A
Q3472-04	COMP-1	Solid	PCB	Cool 4 deg C	PSEG03	D41	10/27/2025	8082A
Q3472-06	COMP-2	Solid	PCB	Cool 4 deg C	PSEG03	D41	10/27/2025	8082A
Q3472-08	COMP-3	Solid	PCB	Cool 4 deg C	PSEG03	D41	10/27/2025	8082A
Q3472-10	COMP-4	Solid	PCB	Cool 4 deg C	PSEG03	D41	10/27/2025	8082A
Q3472-12	COMP-5	Solid	PCB	Cool 4 deg C	PSEG03	D41	10/27/2025	8082A
Q3472-14	155	Solid	PCB	Cool 4 deg C	PSEG03	D41	10/27/2025	8082A
Q3472-16	142	Solid	PCB	Cool 4 deg C	PSEG03	D41	10/27/2025	8082A
Q3472-18	137	Solid	PCB	Cool 4 deg C	PSEG03	D41	10/27/2025	8082A

Date/Time 10/28/25 8:30
Raw Sample Received by: RJ (EXT-lab)
Raw Sample Relinquished by: [signature]

Date/Time 10/28/25 9:00
Raw Sample Received by: [signature]
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:	Q3466	**OrderDate:**	10/24/2025 3:18:10 PM
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
Q3466-02	**B8-0.0-1.0-20251023**	**SOIL**			**10/23/25**			**10/24/25**
			PCB	8082A		10/28/25	10/28/25	
			Pesticide-TCL	8081B		10/28/25	10/28/25	
Q3466-05	**B9-0.0-1.0-20251023**	**SOIL**			**10/23/25**			**10/24/25**
			PCB	8082A		10/28/25	10/28/25	
			Pesticide-TCL	8081B		10/28/25	10/28/25	
Q3466-07	**B7-1.0-2.0-20251023**	**SOIL**			**10/23/25**			**10/24/25**
			PCB	8082A		10/28/25	10/28/25	
			Pesticide-TCL	8081B		10/28/25	10/28/25	

SAMPLE DATA

Raw Data: **FE056540.D**

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Report of Analysis

Client:	HDR, Inc.			Date Collected:	10/23/25
Project:	PVWC Linear Construction			Date Received:	10/24/25
Client Sample ID:	B8-0.0-1.0-20251023			SDG No.:	Q3466
Lab Sample ID:	Q3466-02			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	85.3
Sample Wt/Vol:	30.05 g	Final Vol:	2000 uL	Test:	EPH_NF
Prep Method :		Prep Date :	10/28/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	28.4		1	1.38	2.34	mg/kg	FE056540.D	10/28/25 15:24	PB170266
Aliphatic C9-C28	Aliphatic C9-C28	6.97		1	1.06	4.68	mg/kg	FE056540.D	10/28/25 15:24	PB170266
Total AliphaticEPH	Total AliphaticEPH	35.4			2.44	7.02	mg/kg			
Total EPH	Total EPH	35.4			2.44	7.02	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: **FE056540.D**

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	HDR, Inc.			Date Collected:	10/23/25
Project:	PVWC Linear Construction			Date Received:	10/24/25
Client Sample ID:	B8-0.0-1.0-20251023			SDG No.:	Q3466
Lab Sample ID:	Q3466-02			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	85.3
Sample Wt/Vol:	30.05 g	Final Vol:	2000 uL	Test:	EPH_NF
Prep Method :		Prep Date	10/28/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	6.97		1	1.06	4.68	mg/kg	10/28/25	PB170266
Aliphatic C28-C40	Aliphatic C28-C40	28.4		1	1.38	2.34	mg/kg	10/28/25	PB170266
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	26.8			40 - 140	54%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	26.0			40 - 140	52%	SPK: 50		

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3466-02	Acq On:	28 Oct 2025 15:24
Client Sample ID:	B8-0.0-1.0-20251023	Operator:	YP\AJ
Data file:	FE056540.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.240	6.866	418631	2.536	300	ug/ml
Aliphatic C12-C16	6.867	10.314	1625526	9.531	200	ug/ml
Aliphatic C16-C21	10.315	13.690	8054238	45.087	300	ug/ml
Aliphatic C21-C28	13.691	17.361	5752880	32.123	400	ug/ml
Aliphatic C28-C40	17.362	22.315	50437749	363.377	600	ug/ml
Aliphatic EPH	3.240	22.315	66289024	452.654		ug/ml
ortho-Terphenyl (SURR)	11.986	11.986	5304696	25.97		ug/ml
1-chlorooctadecane (SURR)	13.426	13.426	4090797	26.81		ug/ml
Aliphatic C9-C28	3.240	17.361	15851275	89.277	1200	ug/ml



QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG No.: Q3466

Run Number: FC102825AL

CLIENT SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
PB170266BL	76	74		0
PB170266BS	78	75		0
PB170266BSD	81	77		0
TP-13MS	60	56		0
TP-13MSD	62	58		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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SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG No.: Q3466

Run Number: FE102825AL

CLIENT SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
B8-0.0-1.0-20251023	54	52		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:** Q3466

Sample No : Q3469-01MS **Datafile:** FC070065.D **Client ID :** TP-13MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C28-C40	32.9	4.96	27.5	68		(40-140)
Aliphatic C9-C28	109.6	3.38	61.2	53		(40-140)

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
n-Nonane (C9)	3.7	0.0031	1.6750	45		(40-140)
n-Decane (C10)	3.7	0.0092	3.9220	106		(40-140)
Naphthalene (C11.7)	3.7	0.0145	2.1382	57		(40-140)
n-Dodecane (C12)	3.7	0.0033	1.9778	53		(40-140)
2-methylnaphthalene (C12.89)	3.7	0.0063	2.0784	56		(40-140)
n-Tetradecane (C14)	3.7	0.0107	2.1359	57		(40-140)
n-Hexadecane (C16)	3.7	0.0057	2.1631	58		(40-140)
n-Octadecane (C18)	3.7	0.0055	2.1524	58		(40-140)
n-Eicosane (C20)	3.7	0.0064	2.2529	61		(40-140)
n-Heneicosane (C21)	3.7	0.0100	2.2783	61		(40-140)
n-Docosane (C22)	3.7	0.0113	2.2582	61		(40-140)
n-Tetracosane (C24)	7.3	0.0422	6.6772	91		(40-140)
n-Hexacosane (C26)	3.7	0.0165	2.1813	59		(40-140)
n-Octacosane (C28)	3.7	0.0471	2.2362	59		(40-140)
n-Tricontane (C30)	3.7	0.0712	2.1325	56		(40-140)
n-Dotriacontane (C32)	3.7	0.1018	2.2041	57		(40-140)
n-Tetratriacontane (C34)	3.7	0.1178	2.4596	63		(40-140)
n-Hexatriacontane (C36)	3.7	0.2506	2.8854	71		(40-140)
n-Octatriacontane (C38)	3.7	0.2830	3.1235	77		(40-140)
n-Tetracontane (C40)	3.7	0.2191	3.1332	79		(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:** Q3466

Sample No : Q3469-01MSD **Datafile:** FC070066.D **Client ID :** TP-13MSD

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	32.9	4.96	28.1	70		2.59 |	(40-140)	50
Aliphatic C9-C28	109.6	3.38	62.6	54		2.2 |	(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)	3.7	0.0031	1.7365	47		4.35 |	(40-140)	50
n-Decane (C10)	3.7	0.0092	4.0690	110		3.7 |	(40-140)	50
Naphthalene (C11.7)	3.7	0.0145	2.1994	59		3.45 |	(40-140)	50
n-Dodecane (C12)	3.7	0.0033	2.0541	55		3.7 |	(40-140)	50
2-methylnaphthalene (C12.89)	3.7	0.0063	2.1360	58		3.51 |	(40-140)	50
n-Tetradecane (C14)	3.7	0.0107	2.2108	59		3.45 |	(40-140)	50
n-Hexadecane (C16)	3.7	0.0057	2.2250	60		3.39 |	(40-140)	50
n-Octadecane (C18)	3.7	0.0055	2.2091	60		3.39 |	(40-140)	50
n-Eicosane (C20)	3.7	0.0064	2.3083	62		1.63 |	(40-140)	50
n-Heneicosane (C21)	3.7	0.0100	2.3318	63		3.23 |	(40-140)	50
n-Docosane (C22)	3.7	0.0113	2.3080	62		1.63 |	(40-140)	50
n-Tetracosane (C24)	7.3	0.0422	4.5284	61		39.47 |	(40-140)	50
n-Hexacosane (C26)	3.7	0.0165	2.2292	60		1.68 |	(40-140)	50
n-Octacosane (C28)	3.7	0.0471	2.2840	60		1.68 |	(40-140)	50
n-Tricontane (C30)	3.7	0.0712	2.1840	57		1.77 |	(40-140)	50
n-Dotriacontane (C32)	3.7	0.1018	2.2614	58		1.74 |	(40-140)	50
n-Tetratriacontane (C34)	3.7	0.1178	2.5171	65		3.13 |	(40-140)	50
n-Hexatriacontane (C36)	3.7	0.2506	2.9192	72		1.4 |	(40-140)	50
n-Octatriacontane (C38)	3.7	0.2830	3.1679	78		1.29 |	(40-140)	50
n-Tetracontane (C40)	3.7	0.2191	3.2195	81		2.5 |	(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:** Q3466

Sample No : PB170266BS **Datafile:** FC070061.D **Client ID :** PB170266BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C28-C40	30.0	28.0	93		(40-140)
Aliphatic C9-C28	99.9	68.7	69		(40-140)

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS(%)
n-Nonane (C9)	3.3	2.25552	68		(40-140)
n-Decane (C10)	3.3	2.34385	71		(40-140)
Naphthalene (C11.7)	3.3	2.53598	77		(40-140)
n-Dodecane (C12)	3.3	2.44856	74		(40-140)
2-methylnaphthalene (C12.89)	3.3	2.47994	75		(40-140)
n-Tetradecane (C14)	3.3	2.55049	77		(40-140)
n-Hexadecane (C16)	3.3	2.54647	77		(40-140)
n-Octadecane (C18)	3.3	2.53084	77		(40-140)
n-Eicosane (C20)	3.3	2.69875	82		(40-140)
n-Heneicosane (C21)	3.3	2.66821	81		(40-140)
n-Docosane (C22)	3.3	2.63257	80		(40-140)
n-Tetracosane (C24)	6.7	5.01553	75		(40-140)
n-Hexacosane (C26)	3.3	2.56319	78		(40-140)
n-Octacosane (C28)	3.3	2.54539	77		(40-140)
n-Tricontane (C30)	3.3	2.55395	77		(40-140)
n-Dotriacontane (C32)	3.3	2.63521	80		(40-140)
n-Tetratriacontane (C34)	3.3	3.02789	92		(40-140)
n-Hexatriacontane (C36)	3.3	3.34275	101		(40-140)
n-Octatriacontane (C38)	3.3	3.82757	116		(40-140)
n-Tetracontane (C40)	3.3	3.97533	120		(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:** Q3466

Sample No : PB170266BSD **Datafile:** FC070062.D **Client ID :** PB170266BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS (%)	QC Limit Of RPD
Aliphatic C28-C40	30.0	28.8	96		2.8|	(40-140)	25
Aliphatic C9-C28	99.9	70.8	71		3|	(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	2.32995	71		4.32|	(40-140)	25
n-Decane (C10)	3.3	2.42819	74		4.14|	(40-140)	25
Naphthalene (C11.7)	3.3	2.61804	79		2.56|	(40-140)	25
n-Dodecane (C12)	3.3	2.54076	77		3.97|	(40-140)	25
2-methylnaphthalene (C12.89)	3.3	2.55783	78		3.92|	(40-140)	25
n-Tetradecane (C14)	3.3	2.65714	81		5.06|	(40-140)	25
n-Hexadecane (C16)	3.3	2.65385	80		3.82|	(40-140)	25
n-Octadecane (C18)	3.3	2.63803	80		3.82|	(40-140)	25
n-Eicosane (C20)	3.3	2.81023	85		3.59|	(40-140)	25
n-Heneicosane (C21)	3.3	2.77478	84		3.64|	(40-140)	25
n-Docosane (C22)	3.3	2.73499	83		3.68|	(40-140)	25
n-Tetracosane (C24)	6.7	5.15029	77		2.63|	(40-140)	25
n-Hexacosane (C26)	3.3	2.64638	80		2.53|	(40-140)	25
n-Octacosane (C28)	3.3	2.62971	80		3.82|	(40-140)	25
n-Tricontane (C30)	3.3	2.64328	80		3.82|	(40-140)	25
n-Dotriacontane (C32)	3.3	2.73376	83		3.68|	(40-140)	25
n-Tetratriacontane (C34)	3.3	3.14251	95		3.21|	(40-140)	25
n-Hexatriacontane (C36)	3.3	3.45412	105		3.88|	(40-140)	25
n-Octatriacontane (C38)	3.3	3.91055	119		2.55|	(40-140)	25
n-Tetracontane (C40)	3.3	4.04431	123		2.47|	(40-140)	25

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4B

METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

PB170266BL

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG NO.: Q3466

Instrument ID: FID_C Lab Sample ID: PB170266BL

Matrix: (soil/water) Solid Date Extracted: 10/28/2025 9:05:00

Level: (low/med) low

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

CLIENT SAMPLE NO.	LAB SAMPLE ID
PB170266BS	PB170266BS
PB170266BSD	PB170266BSD
B8-0.0-1.0-20251023	Q3466-02
TP-13MS	Q3469-01MS
TP-13MSD	Q3469-01MSD

COMMENTS:

QC SAMPLE DATA

Raw Data: **FC070060.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:	PB170266BL			SDG No.:	Q3466
Lab Sample ID:	PB170266BL			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol:	2000 uL	Test:	EPH_NF
Prep Method :		Prep Date :	10/28/25		

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	FC070060.D	10/28/25 13:19	PB170266
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	1	0.91	4.00	mg/kg	FC070060.D	10/28/25 13:19	PB170266
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: **FC070060.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:	PB170266BL			SDG No.:	Q3466
Lab Sample ID:	PB170266BL			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol:	2000 uL	Test:	EPH_NF
Prep Method :		Prep Date	10/28/25		

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	10/28/25	PB170266
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	10/28/25	PB170266
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	38.0			40 - 140	76%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	37.2			40 - 140	74%	SPK: 50		

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170266BL	Acq On:	28 Oct 2025 13:19
Client Sample ID:	PB170266BL	Operator:	YP/AJ
Data file:	FC070060.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.277	6.572	0	0	300	ug/ml
Aliphatic C12-C16	6.573	9.973	0	0	200	ug/ml
Aliphatic C16-C21	9.974	13.340	0	0	300	ug/ml
Aliphatic C21-C28	13.341	17.005	0	0	400	ug/ml
Aliphatic C28-C40	17.006	21.959	0	0	600	ug/ml
Aliphatic EPH	3.277	21.959	0	0		ug/ml
ortho-Terphenyl (SURR)	11.642	11.642	6533927	37.21		ug/ml
1-chlorooctadecane (SURR)	13.077	13.077	5156082	37.98		ug/ml
Aliphatic C9-C28	3.277	17.005	0	0	1200	ug/ml

Raw Data: **FC070061.D**

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Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	PB170266BS			SDG No.:	Q3466
Lab Sample ID:	PB170266BS			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol:	2000 uL	Test:	EPH_NF
Prep Method :		Prep Date :	10/28/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	28.0		1	1.18	2.00	mg/kg	FC070061.D	10/28/25 13:58	PB170266
Aliphatic C9-C28	Aliphatic C9-C28	68.7		1	0.91	3.99	mg/kg	FC070061.D	10/28/25 13:58	PB170266
Total AliphaticEPH	Total AliphaticEPH	96.7			2.09	5.99	mg/kg			
Total EPH	Total EPH	96.7			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: **FC070061.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:	PB170266BS			SDG No.:	Q3466
Lab Sample ID:	PB170266BS			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol:	2000 uL	Test:	EPH_NF
Prep Method :		Prep Date	10/28/25		

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	10/28/25	PB170266
Aliphatic C28-C40	Aliphatic C28-C40	28.0		1	1.18	2.00	mg/kg	10/28/25	PB170266
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	38.9			40 - 140	78%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	37.5			40 - 140	75%	SPK: 50		

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170266BS	Acq On:	28 Oct 2025 13:58
Client Sample ID:	PB170266BS	Operator:	YP/AJ
Data file:	FC070061.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.277	6.572	27086070	187.078	300	ug/ml
Aliphatic C12-C16	6.573	9.973	38554021	235.398	200	ug/ml
Aliphatic C16-C21	9.974	13.340	43992052	271.647	300	ug/ml
Aliphatic C21-C28	13.341	17.005	49567846	336.87	400	ug/ml
Aliphatic C28-C40	17.006	21.959	45168703	419.784	600	ug/ml
Aliphatic EPH	3.277	21.959	204368692	1450		ug/ml
ortho-Terphenyl (SURR)	11.643	11.643	6583185	37.49		ug/ml
1-chlorooctadecane (SURR)	13.076	13.076	5277309	38.88		ug/ml
Aliphatic C9-C28	3.277	17.005	159199989	1030	1200	ug/ml

Raw Data: **FC070062.D**

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Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	PB170266BSD			SDG No.:	Q3466
Lab Sample ID:	PB170266BSD			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol:	2000 uL	Test:	EPH_NF
Prep Method :		Prep Date :	10/28/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	28.8		1	1.18	2.00	mg/kg	FC070062.D	10/28/25 14:38	PB170266
Aliphatic C9-C28	Aliphatic C9-C28	70.8		1	0.91	3.99	mg/kg	FC070062.D	10/28/25 14:38	PB170266
Total AliphaticEPH	Total AliphaticEPH	99.6			2.09	5.99	mg/kg			
Total EPH	Total EPH	99.6			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: **FC070062.D**

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Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	PB170266BSD			SDG No.:	Q3466
Lab Sample ID:	PB170266BSD			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol:	2000 uL	Test:	EPH_NF
Prep Method :		Prep Date	10/28/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	70.8		1	0.91	3.99	mg/kg	10/28/25	PB170266
Aliphatic C28-C40	Aliphatic C28-C40	28.8		1	1.18	2.00	mg/kg	10/28/25	PB170266
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	40.4			40 - 140	81%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	38.7			40 - 140	77%	SPK: 50		

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170266BSD	Acq On:	28 Oct 2025 14:38
Client Sample ID:	PB170266BSD	Operator:	YP/AJ
Data file:	FC070062.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.277	6.572	28002737	193.409	300	ug/ml
Aliphatic C12-C16	6.573	9.973	39866210	243.41	200	ug/ml
Aliphatic C16-C21	9.974	13.340	45355285	280.065	300	ug/ml
Aliphatic C21-C28	13.341	17.005	50818993	345.373	400	ug/ml
Aliphatic C28-C40	17.006	21.959	46536620	432.497	600	ug/ml
Aliphatic EPH	3.277	21.959	210579845	1490		ug/ml
ortho-Terphenyl (SURR)	11.643	11.643	6788843	38.66		ug/ml
1-chlorooctadecane (SURR)	13.078	13.078	5478491	40.36		ug/ml
Aliphatic C9-C28	3.277	17.005	164043225	1060	1200	ug/ml

Raw Data: **FC070065.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:	TP-13MS			SDG No.:	Q3466
Lab Sample ID:	Q3469-01MS			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	91.1
Sample Wt/Vol:	30.03 g	Final Vol:	2000 uL	Test:	EPH_NF
Prep Method :		Prep Date :	10/28/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	27.5		1	1.29	2.19	mg/kg	FC070065.D	10/28/25 16:39	PB170266
Aliphatic C9-C28	Aliphatic C9-C28	61.2		1	1.00	4.39	mg/kg	FC070065.D	10/28/25 16:39	PB170266
Total AliphaticEPH	Total AliphaticEPH	88.7			2.29	6.58	mg/kg			
Total EPH	Total EPH	88.7			2.29	6.58	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: **FC070065.D**

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Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	TP-13MS			SDG No.:	Q3466
Lab Sample ID:	Q3469-01MS			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	91.1
Sample Wt/Vol:	30.03 g	Final Vol:	2000 uL	Test:	EPH_NF
Prep Method :		Prep Date	10/28/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	61.2		1	1.00	4.39	mg/kg	10/28/25	PB170266
Aliphatic C28-C40	Aliphatic C28-C40	27.5		1	1.29	2.19	mg/kg	10/28/25	PB170266
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	30.2			40 - 140	60%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	28.2			40 - 140	56%	SPK: 50		

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3469-01MS	Acq On:	28 Oct 2025 16:39
Client Sample ID:	TP-13MS	Operator:	YP/AJ
Data file:	FC070065.D	Misc:	
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.277	6.572	20253426	139.886	300	ug/ml
Aliphatic C12-C16	6.573	9.973	31495479	192.301	200	ug/ml
Aliphatic C16-C21	9.974	13.340	36192526	223.486	300	ug/ml
Aliphatic C21-C28	13.341	17.005	41412790	281.447	400	ug/ml
Aliphatic C28-C40	17.006	21.959	40417941	375.632	600	ug/ml
Aliphatic EPH	3.277	21.959	169772162	1210		ug/ml
ortho-Terphenyl (SURR)	11.641	11.641	4959543	28.24		ug/ml
1-chlorooctadecane (SURR)	13.076	13.076	4099935	30.2		ug/ml
Aliphatic C9-C28	3.277	17.005	129354221	837.12	1200	ug/ml

Raw Data: **FC070066.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:	TP-13MSD			SDG No.:	Q3466
Lab Sample ID:	Q3469-01MSD			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	91.1
Sample Wt/Vol:	30.04 g	Final Vol:	2000 uL	Test:	EPH_NF
Prep Method :		Prep Date :	10/28/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	28.1		1	1.29	2.19	mg/kg	FC070066.D	10/28/25 17:20	PB170266
Aliphatic C9-C28	Aliphatic C9-C28	62.6		1	1.00	4.39	mg/kg	FC070066.D	10/28/25 17:20	PB170266
Total AliphaticEPH	Total AliphaticEPH	90.7			2.29	6.58	mg/kg			
Total EPH	Total EPH	90.7			2.29	6.58	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: **FC070066.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:	TP-13MSD			SDG No.:	Q3466
Lab Sample ID:	Q3469-01MSD			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	91.1
Sample Wt/Vol:	30.04 g	Final Vol:	2000 uL	Test:	EPH_NF
Prep Method :		Prep Date	10/28/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	62.6		1	1.00	4.39	mg/kg	10/28/25	PB170266
Aliphatic C28-C40	Aliphatic C28-C40	28.1		1	1.29	2.19	mg/kg	10/28/25	PB170266
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	31.0			40 - 140	62%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	28.9			40 - 140	58%	SPK: 50		

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3469-01MSD	Acq On:	28 Oct 2025 17:20
Client Sample ID:	TP-13MSD	Operator:	YP/AJ
Data file:	FC070066.D	Misc:	
Instrument:	FID_C	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.277	6.572	21023509	145.205	300	ug/ml
Aliphatic C12-C16	6.573	9.973	32328594	197.388	200	ug/ml
Aliphatic C16-C21	9.974	13.340	36901594	227.864	300	ug/ml
Aliphatic C21-C28	13.341	17.005	42064279	285.875	400	ug/ml
Aliphatic C28-C40	17.006	21.959	41376676	384.542	600	ug/ml
Aliphatic EPH	3.277	21.959	173694652	1240		ug/ml
ortho-Terphenyl (SURR)	11.641	11.641	5084075	28.95		ug/ml
1-chlorooctadecane (SURR)	13.075	13.075	4213167	31.04		ug/ml
Aliphatic C9-C28	3.277	17.005	132317976	856.332	1200	ug/ml

CALIBRATION SUMMARY

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

Inital Calibration Report for SequenceID : FC100725AL

AreaCount

Parameter Range	FC069937.D	FC069938.D	FC069939.D	FC069940.D	FC069941.D	
Aliphatic C9-C12	43171011.000	21250743.000	8161064.000	4428028.000	2320985.000	
Aliphatic C12-C16	33016544.000	16243273.000	6102029.000	3325280.000	1725815.000	
Aliphatic C16-C21	48108317.000	24065038.000	8973438.000	4960785.000	2610241.000	
Aliphatic C21-C28	55364172.000	28241357.000	10328099.000	6018987.000	3530371.000	
Aliphatic C28-C40	59763237.000	30083253.000	11204955.000	6723680.000	3980409.000	
Aliphatic EPH	239423281.000	119883664.000	44769585.000	25456760.000	14167821.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	144785.1979998	4.813				
Aliphatic C12-C16	163782.335	4.458				
Aliphatic C16-C21	161945.5019996	5.485				
Aliphatic C21-C28	147142.3355	12.304				
Aliphatic C28-C40	107599.8326666	14.464				
Aliphatic EPH	137884.7282218	9.049				

Concentration

Parameter Range	FC069937.D	FC069938.D	FC069939.D	FC069940.D	FC069941.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	FC069937.D	FC069938.D	FC069939.D	FC069940.D	FC069941.D	
Aliphatic C9-C12	143903.370000	141671.620000	136017.733333	147600.933333	154732.333333	
Aliphatic C12-C16	165082.720000	162432.730000	152550.725000	166264.000000	172581.500000	
Aliphatic C16-C21	160361.056666	160433.586666	149557.300000	165359.500000	174016.066666	

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Inital Calibration Report for SequenceID : FC100725AL

Aliphatic C21-C28	138410.430000	141206.785000	129101.237500	150474.675000	176518.550000	
Aliphatic C28-C40	99605.395000	100277.510000	93374.625000	112061.333333	132680.300000	
Aliphatic EPH	133012.933888	133204.071111	124359.958333	141426.444444	157420.233333	

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Inital Calibration Report for SequenceID : FE101725AL

AreaCount

Parameter Range	FE056351.D	FE056352.D	FE056353.D	FE056354.D	FE056355.D	
Aliphatic C9-C12	51362304.000	24484485.000	9331252.000	4992223.000	2535328.000	
Aliphatic C12-C16	35984562.000	17024793.000	6419212.000	3420807.000	1710363.000	
Aliphatic C16-C21	54557902.000	26111407.000	10017652.000	5459302.000	2824749.000	
Aliphatic C21-C28	69668452.000	33858844.000	12770130.000	7257411.000	4218376.000	
Aliphatic C28-C40	72014023.000	39678481.000	14821782.000	8648098.000	5222376.000	
Aliphatic EPH	283587243.000	141158010.000	53360028.000	29777841.000	16511192.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	165077.549333	3.705				
Aliphatic C12-C16	170545.538	4.039				
Aliphatic C16-C21	178637.9839996	4.619				
Aliphatic C21-C28	179089.21	10.876				
Aliphatic C28-C40	138802.798333	15.71				
Aliphatic EPH	162300.6281108	8.197				

Concentration

Parameter Range	FE056351.D	FE056352.D	FE056353.D	FE056354.D	FE056355.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	FE056351.D	FE056352.D	FE056353.D	FE056354.D	FE056355.D	
Aliphatic C9-C12	171207.680000	163229.900000	155520.866666	166407.433333	169021.866666	
Aliphatic C12-C16	179922.810000	170247.930000	160480.300000	171040.350000	171036.300000	
Aliphatic C16-C21	181859.673333	174076.046666	166960.866666	181976.733333	188316.600000	

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Inital Calibration Report for SequenceID : FE101725AL

Aliphatic C21-C28	174171.130000	169294.220000	159626.625000	181435.275000	210918.800000	
Aliphatic C28-C40	120023.371666	132261.603333	123514.850000	144134.966666	174079.200000	
Aliphatic EPH	157548.468333	156842.233333	148222.300000	165432.450000	183457.688888	

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Continuing Calibration Report for SequenceID : FC102825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC070059.D**						
Aliphatic C9-C12	7996857.000	60.000	3.277	6.572	133280.950	144785.198	7.946
Aliphatic C12-C16	5964236.000	40.000	6.573	9.973	149105.900	163782.335	8.961
Aliphatic C16-C21	8931229.000	60.000	9.974	13.340	148853.817	161945.502	8.084
Aliphatic C21-C28	10881486.000	80.000	13.341	17.005	136018.575	147142.336	7.560
Aliphatic C28-C40	13484302.000	120.000	17.006	21.959	112369.183	107599.833	-4.432
Aliphatic EPH	47258110.000	360.000	3.277	21.959	131272.528	137884.728	4.795

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	28 Oct 2025 11:59
Client Sample ID:		Operator:	YP/AJ
Data file:	FC070059.D	Misc:	
Instrument:	FID_C	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.277	6.572	7996857.000	60.000	ug/ml
Aliphatic C12-C16	6.573	9.973	5964236.000	40.000	ug/ml
Aliphatic C16-C21	9.974	13.340	8931229.000	60.000	ug/ml
Aliphatic C21-C28	13.341	17.005	10881486.000	80.000	ug/ml
Aliphatic C28-C40	17.006	21.959	13484302.000	120.000	ug/ml
Aliphatic EPH	3.277	21.959	47258110.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FC102825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC070069.D**						
Aliphatic C9-C12	8739229.000	60.000	3.277	6.572	145653.817	144785.198	-0.600
Aliphatic C12-C16	6704236.000	40.000	6.573	9.973	167605.900	163782.335	-2.335
Aliphatic C16-C21	10274461.000	60.000	9.974	13.340	171241.017	161945.502	-5.740
Aliphatic C21-C28	12726090.000	80.000	13.341	17.005	159076.125	147142.336	-8.110
Aliphatic C28-C40	15506732.000	120.000	17.006	21.959	129222.767	107599.833	-20.096
Aliphatic EPH	53950748.000	360.000	3.277	21.959	149863.189	137884.728	-8.687

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	28 Oct 2025 20:03
Client Sample ID:		Operator:	YP/AJ
Data file:	FC070069.D	Misc:	
Instrument:	FID_C	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.277	6.572	8739229.000	60.000	ug/ml
Aliphatic C12-C16	6.573	9.973	6704236.000	40.000	ug/ml
Aliphatic C16-C21	9.974	13.340	10274461.000	60.000	ug/ml
Aliphatic C21-C28	13.341	17.005	12726090.000	80.000	ug/ml
Aliphatic C28-C40	17.006	21.959	15506732.000	120.000	ug/ml
Aliphatic EPH	3.277	21.959	53950748.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FE102825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE056535.D**						
Aliphatic C9-C12	8834642.000	60.000	3.240	6.866	147244.033	165077.549	10.803
Aliphatic C12-C16	6204014.000	40.000	6.867	10.314	155100.350	170545.538	9.056
Aliphatic C16-C21	9180601.000	60.000	10.315	13.690	153010.017	178637.984	14.346
Aliphatic C21-C28	11664918.000	80.000	13.691	17.361	145811.475	179089.210	18.582
Aliphatic C28-C40	15384362.000	120.000	17.362	22.315	128203.017	138802.798	7.637
Aliphatic EPH	51268537.000	360.000	3.240	22.315	142412.603	162300.628	12.254

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	28 Oct 2025 12:49
Client Sample ID:		Operator:	YP\AJ
Data file:	FE056535.D	Misc:	
Instrument:	FID_E	ALS Vial:	4
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.240	6.866	8834642.000	60.000	ug/ml
Aliphatic C12-C16	6.867	10.314	6204014.000	40.000	ug/ml
Aliphatic C16-C21	10.315	13.690	9180601.000	60.000	ug/ml
Aliphatic C21-C28	13.691	17.361	11664918.000	80.000	ug/ml
Aliphatic C28-C40	17.362	22.315	15384362.000	120.000	ug/ml
Aliphatic EPH	3.240	22.315	51268537.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FE102825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE056550.D**						
Aliphatic C9-C12	9003004.000	60.000	3.240	6.866	150050.067	165077.549	9.103
Aliphatic C12-C16	6242994.000	40.000	6.867	10.314	156074.850	170545.538	8.485
Aliphatic C16-C21	9090420.000	60.000	10.315	13.690	151507.000	178637.984	15.188
Aliphatic C21-C28	11600360.000	80.000	13.691	17.361	145004.500	179089.210	19.032
Aliphatic C28-C40	15724890.000	120.000	17.362	22.315	131040.750	138802.798	5.592
Aliphatic EPH	51661668.000	360.000	3.240	22.315	143504.633	162300.628	11.581

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Fax : 908 789 8922

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	28 Oct 2025 21:27
Client Sample ID:		Operator:	YP\AJ
Data file:	FE056550.D	Misc:	
Instrument:	FID_E	ALS Vial:	4
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.240	6.866	9003004.000	60.000	ug/ml
Aliphatic C12-C16	6.867	10.314	6242994.000	40.000	ug/ml
Aliphatic C16-C21	10.315	13.690	9090420.000	60.000	ug/ml
Aliphatic C21-C28	13.691	17.361	11600360.000	80.000	ug/ml
Aliphatic C28-C40	17.362	22.315	15724890.000	120.000	ug/ml
Aliphatic EPH	3.240	22.315	51661668.000	360.000	ug/ml

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE102825AL\
Data File : FE056540.D
Signal(s) : FID1B.ch
Acq On : 28 Oct 2025 15:24
Operator : YP\AJ
Sample : Q3466-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
B8-0.0-1.0-20251023

Integration File: autoint1.E
Quant Time: Oct 29 04:12:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 28 14:34:40 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)	11.986	5304696	25.966 ug/ml
Spiked Amount 50.000		Recovery =	51.93%
12) S 1-chlorooctadecane (S...	13.426	4090797	26.811 ug/ml
Spiked Amount 50.000		Recovery =	53.62%
Target Compounds			

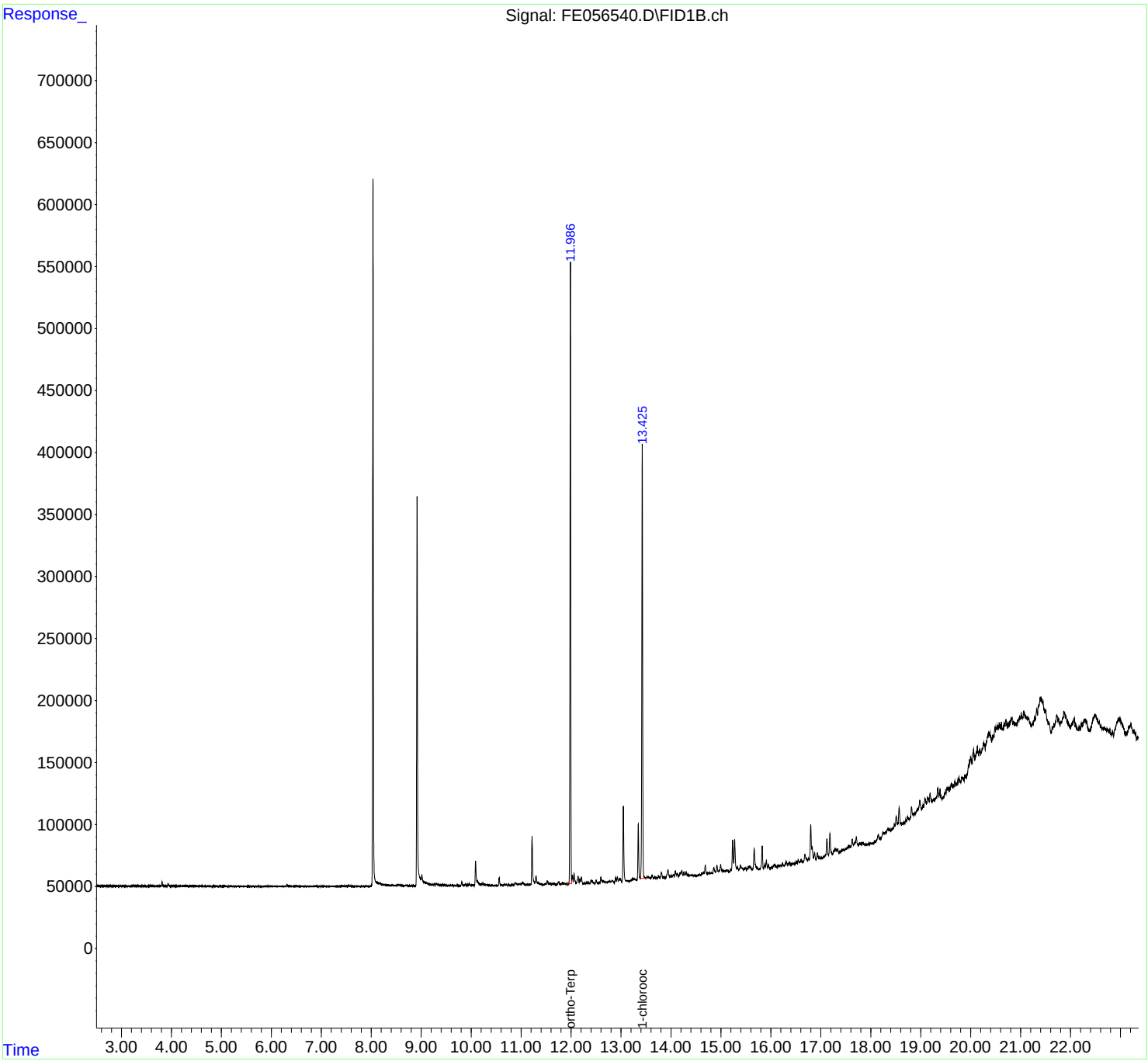
(f)=RT Delta > 1/2 Window (m)=manual int.

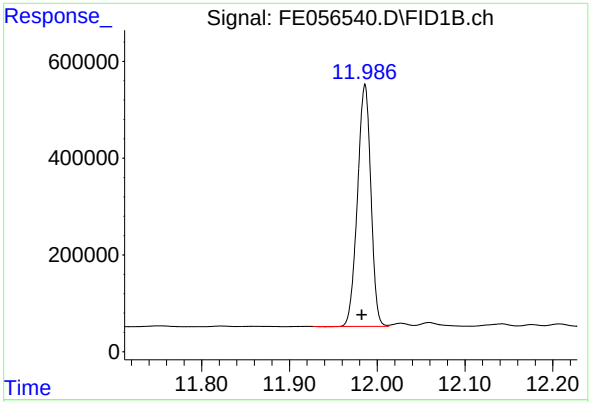
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE102825AL\
Data File : FE056540.D
Signal(s) : FID1B.ch
Acq On : 28 Oct 2025 15:24
Operator : YP\AJ
Sample : Q3466-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
B8-0.0-1.0-20251023

Integration File: autoint1.E
Quant Time: Oct 29 04:12:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 28 14:34:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

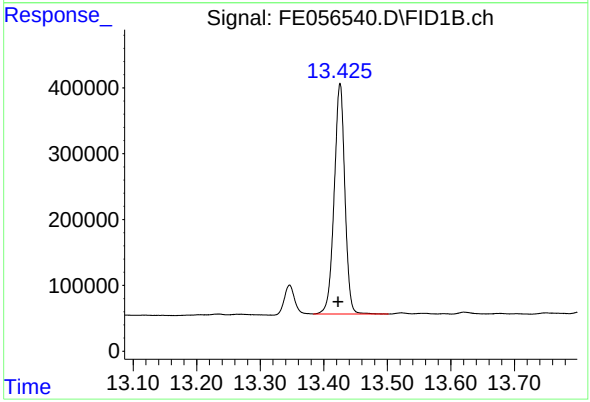




#9 ortho-Terphenyl (SURR)

R.T.: 11.986 min
Delta R.T.: 0.003 min
Response: 5304696
Conc: 25.97 ug/ml

Instrument :
FID_E
ClientSampleId :
B8-0.0-1.0-20251023



#12 1-chlorooctadecane (SURR)

R.T.: 13.426 min
Delta R.T.: 0.003 min
Response: 4090797
Conc: 26.81 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE102825AL\
Data File : FE056540.D
Signal(s) : FID1B.ch
Acq On : 28 Oct 2025 15:24
Sample : Q3466-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101725.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	2.878	2.804	2.924	BV	208	4609	0.06%	0.006%
2	2.960	2.924	3.001	PV	135	3390	0.04%	0.005%
3	3.012	3.001	3.061	PV	136	2842	0.04%	0.004%
4	3.102	3.061	3.124	VV	114	3714	0.05%	0.005%
5	3.127	3.124	3.194	VV	172	3895	0.05%	0.005%
6	3.215	3.194	3.229	VV	358	5108	0.06%	0.007%
7	3.259	3.229	3.291	VV	312	9969	0.13%	0.014%
8	3.301	3.291	3.321	VV	280	4433	0.06%	0.006%
9	3.333	3.321	3.384	VV	316	8962	0.11%	0.012%
10	3.399	3.384	3.443	VV	235	6580	0.08%	0.009%
11	3.454	3.443	3.471	VV	225	2860	0.04%	0.004%
12	3.484	3.471	3.506	VV	285	3980	0.05%	0.006%
13	3.522	3.506	3.594	VV	275	10400	0.13%	0.014%
14	3.654	3.594	3.692	VV	247	10410	0.13%	0.015%
15	3.698	3.692	3.714	VV	179	2038	0.03%	0.003%
16	3.727	3.714	3.745	VV	194	3194	0.04%	0.004%
17	3.758	3.745	3.766	VV	245	2438	0.03%	0.003%
18	3.781	3.766	3.792	VV	374	4923	0.06%	0.007%
19	3.814	3.792	3.904	VV	3730	50967	0.65%	0.071%
20	3.932	3.904	4.001	VV	2094	32723	0.41%	0.046%
21	4.017	4.001	4.079	VV	285	10237	0.13%	0.014%
22	4.089	4.079	4.117	VV	243	4512	0.06%	0.006%
23	4.164	4.117	4.238	VV	336	17018	0.22%	0.024%
24	4.279	4.238	4.329	VV	358	13719	0.17%	0.019%
25	4.364	4.329	4.375	VV	313	7619	0.10%	0.011%
26	4.382	4.375	4.394	VV	386	3629	0.05%	0.005%
27	4.417	4.394	4.448	VV	385	9912	0.13%	0.014%
28	4.462	4.448	4.467	VV	238	2541	0.03%	0.004%
29	4.476	4.467	4.531	VV	237	7493	0.10%	0.010%
30	4.591	4.531	4.617	VV	361	11951	0.15%	0.017%
31	4.629	4.617	4.664	VV	270	4614	0.06%	0.006%
32	4.669	4.664	4.678	VV	151	1116	0.01%	0.002%
33	4.680	4.678	4.694	VV	185	1088	0.01%	0.002%
34	4.713	4.694	4.730	VV	192	2581	0.03%	0.004%
35	4.761	4.730	4.808	VV	382	7902	0.10%	0.011%
36	4.815	4.808	4.852	VV	156	3361	0.04%	0.005%

rteres

37	4.868	4.852	4.888	VV	172	3255	0.04%	0.005%
38	4.896	4.888	4.909	VV	200	2065	0.03%	0.003%
39	4.917	4.909	4.951	VV	256	4145	0.05%	0.006%
40	4.974	4.951	5.063	VV	199	10861	0.14%	0.015%
41	5.076	5.063	5.132	VV	220	5285	0.07%	0.007%
42	5.159	5.132	5.187	VV	149	3018	0.04%	0.004%
43	5.197	5.187	5.212	VV	157	1545	0.02%	0.002%
44	5.220	5.212	5.238	VV	145	1594	0.02%	0.002%
45	5.250	5.238	5.309	VV	205	4993	0.06%	0.007%
46	5.318	5.309	5.358	VV	122	2166	0.03%	0.003%
47	5.388	5.358	5.464	VV	122	5146	0.07%	0.007%
48	5.470	5.464	5.485	VV	77	875	0.01%	0.001%
49	5.505	5.485	5.528	VV	99	1550	0.02%	0.002%
50	5.549	5.528	5.604	PV	267	5833	0.07%	0.008%
51	5.638	5.604	5.671	VV	142	3491	0.04%	0.005%
52	5.681	5.671	5.713	VV	103	1860	0.02%	0.003%
53	5.730	5.713	5.767	VV	232	3935	0.05%	0.005%
54	5.774	5.767	5.794	VV	175	1650	0.02%	0.002%
55	5.805	5.794	5.817	VV	74	625	0.01%	0.001%
56	5.865	5.817	5.875	VV	191	4638	0.06%	0.006%
57	5.882	5.875	5.887	VV	148	1157	0.01%	0.002%
58	5.901	5.887	5.915	VV	212	3271	0.04%	0.005%
59	5.924	5.915	6.019	VV	263	8673	0.11%	0.012%
60	6.034	6.019	6.075	VV	227	4040	0.05%	0.006%
61	6.088	6.075	6.110	VV	123	1722	0.02%	0.002%
62	6.121	6.110	6.138	VV	131	1208	0.02%	0.002%
63	6.143	6.138	6.160	VV	91	886	0.01%	0.001%
64	6.179	6.160	6.186	PV	101	895	0.01%	0.001%
65	6.199	6.186	6.279	VV	146	6140	0.08%	0.009%
66	6.314	6.279	6.368	VV	1152	21597	0.27%	0.030%
67	6.381	6.368	6.392	VV	188	2132	0.03%	0.003%
68	6.411	6.392	6.451	VV	184	4399	0.06%	0.006%
69	6.476	6.451	6.521	VV	351	7144	0.09%	0.010%
70	6.557	6.521	6.592	VV	217	5073	0.06%	0.007%
71	6.613	6.592	6.644	VV	274	5769	0.07%	0.008%
72	6.657	6.644	6.698	VV	248	4939	0.06%	0.007%
73	6.707	6.698	6.747	VV	112	2344	0.03%	0.003%
74	6.764	6.747	6.814	VV	240	3670	0.05%	0.005%
75	6.831	6.814	6.857	VV	124	1872	0.02%	0.003%
76	6.874	6.857	6.891	VV	113	1465	0.02%	0.002%
77	6.895	6.891	6.961	VV	130	3289	0.04%	0.005%
78	6.964	6.961	7.000	VV	123	1003	0.01%	0.001%
79	7.021	7.000	7.032	VV	277	2748	0.03%	0.004%
80	7.056	7.032	7.170	VV	304	11246	0.14%	0.016%
81	7.178	7.170	7.189	VV	135	790	0.01%	0.001%
82	7.196	7.189	7.207	VV	48	316	0.00%	0.000%
83	7.216	7.207	7.236	VV	81	815	0.01%	0.001%
84	7.246	7.236	7.270	VV	105	1354	0.02%	0.002%
85	7.282	7.270	7.334	PV	106	4700	0.06%	0.007%
86	7.345	7.334	7.382	VV	203	3242	0.04%	0.005%
87	7.415	7.382	7.444	VV	596	10704	0.14%	0.015%
88	7.464	7.444	7.521	VV	349	12036	0.15%	0.017%
89	7.549	7.521	7.644	VV	859	19490	0.25%	0.027%

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90	7.659	7.644	7.688	VV	148	2811	0.04%	0.004%
91	7.716	7.688	7.771	VV	148	5612	0.07%	0.008%
92	7.790	7.771	7.841	VV	95	2576	0.03%	0.004%
93	7.903	7.841	7.968	PV	132	3899	0.05%	0.005%
94	8.174	8.161	8.296	VV	2739	122982	1.56%	0.171%
95	8.312	8.296	8.393	VV	1060	51090	0.65%	0.071%
96	8.422	8.393	8.467	VV	936	33033	0.42%	0.046%
97	8.530	8.467	8.584	VV	1448	55976	0.71%	0.078%
98	8.601	8.584	8.661	VV	902	26827	0.34%	0.037%
99	8.715	8.661	8.788	VV	788	38156	0.48%	0.053%
100	8.806	8.788	8.884	VV	544	14939	0.19%	0.021%
101	9.013	8.992	9.238	VV	9251	413667	5.25%	0.577%
102	9.257	9.238	9.275	VV	1512	27757	0.35%	0.039%
103	9.297	9.275	9.411	VV	2133	87067	1.10%	0.121%
104	9.430	9.411	9.452	VV	1357	21305	0.27%	0.030%
105	9.470	9.452	9.550	VV	820	26207	0.33%	0.037%
106	9.586	9.550	9.647	VV	700	22414	0.28%	0.031%
107	9.723	9.647	9.778	VV	638	20021	0.25%	0.028%
108	9.813	9.778	9.863	VV	2772	50514	0.64%	0.070%
109	9.888	9.863	9.914	VV	1013	18523	0.23%	0.026%
110	9.960	9.914	10.000	VV	1555	36376	0.46%	0.051%
111	10.021	10.000	10.061	VV	824	20144	0.26%	0.028%
112	10.090	10.061	10.198	VV	19418	358854	4.55%	0.500%
113	10.235	10.198	10.364	VV	2022	91578	1.16%	0.128%
114	10.396	10.364	10.531	VV	350	16877	0.21%	0.024%
115	10.562	10.531	10.631	PV	6206	88307	1.12%	0.123%
116	10.698	10.631	10.724	VV	899	32118	0.41%	0.045%
117	10.739	10.724	10.778	VV	714	11860	0.15%	0.017%
118	10.813	10.778	10.854	VV	845	21871	0.28%	0.030%
119	10.882	10.854	10.934	VV	2293	53525	0.68%	0.075%
120	11.024	10.934	11.100	VV	2047	105970	1.34%	0.148%
121	11.119	11.100	11.167	VV	896	20882	0.26%	0.029%
122	11.220	11.167	11.274	VV	38488	536247	6.80%	0.748%
123	11.299	11.274	11.452	VV	7611	189136	2.40%	0.264%
124	11.527	11.452	11.578	VV	2922	81566	1.03%	0.114%
125	11.590	11.578	11.611	VV	986	14708	0.19%	0.021%
126	11.660	11.611	11.690	VV	1526	30274	0.38%	0.042%
127	11.751	11.690	11.787	PV	2132	46181	0.59%	0.064%
128	11.822	11.787	11.842	VV	1689	26216	0.33%	0.037%
129	11.860	11.842	11.895	VV	944	22258	0.28%	0.031%
130	11.919	11.895	11.941	VV	741	13598	0.17%	0.019%
131	11.986	11.941	12.042	VV	495430	5419117	68.72%	7.555%
132	12.059	12.042	12.108	VV	8676	147130	1.87%	0.205%
133	12.140	12.108	12.161	VV	5810	105149	1.33%	0.147%
134	12.207	12.161	12.251	VV	5659	134411	1.70%	0.187%
135	12.330	12.251	12.378	VV	888	40856	0.52%	0.057%
136	12.403	12.378	12.473	VV	2856	71669	0.91%	0.100%
137	12.501	12.473	12.544	PV	2693	45518	0.58%	0.063%
138	12.598	12.544	12.680	VV	4657	121001	1.53%	0.169%
139	12.698	12.680	12.721	VV	917	16749	0.21%	0.023%
140	12.752	12.721	12.801	VV	1076	36837	0.47%	0.051%
141	12.821	12.801	12.863	VV	1931	35718	0.45%	0.050%

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142	12.893	12.863	12.911	PV	3567	52326	0.66%	0.073%
143	12.928	12.911	12.948	VV	4062	53812	0.68%	0.075%
144	12.973	12.948	13.018	VV	2615	69031	0.88%	0.096%
145	13.047	13.018	13.168	VV	61196	776664	9.85%	1.083%
146	13.233	13.168	13.250	VV	2069	48152	0.61%	0.067%
147	13.268	13.250	13.318	VV	1635	40295	0.51%	0.056%
148	13.346	13.318	13.384	VV	45543	539937	6.85%	0.753%
149	13.425	13.384	13.501	VV	350709	4194214	53.19%	5.847%
150	13.522	13.501	13.601	VV	2985	105121	1.33%	0.147%
151	13.622	13.601	13.658	VV	3568	66932	0.85%	0.093%
152	13.677	13.658	13.724	VV	1621	41122	0.52%	0.057%
153	13.751	13.724	13.788	VV	2161	53103	0.67%	0.074%
154	13.810	13.788	13.891	VV	4975	111306	1.41%	0.155%
155	13.940	13.891	13.981	VV	6752	162228	2.06%	0.226%
156	14.003	13.981	14.023	VV	2005	36182	0.46%	0.050%
157	14.089	14.023	14.151	VV	5416	185034	2.35%	0.258%
158	14.216	14.151	14.240	VV	5250	159240	2.02%	0.222%
159	14.261	14.240	14.284	VV	4045	68929	0.87%	0.096%
160	14.304	14.284	14.368	VV	4113	93468	1.19%	0.130%
161	14.385	14.368	14.493	VV	1150	50330	0.64%	0.070%
162	14.530	14.493	14.551	PV	558	9175	0.12%	0.013%
163	14.574	14.551	14.594	VV	961	14311	0.18%	0.020%
164	14.687	14.594	14.723	VV	7912	194038	2.46%	0.271%
165	14.743	14.723	14.763	VV	1914	32172	0.41%	0.045%
166	14.781	14.763	14.797	VV	1437	23006	0.29%	0.032%
167	14.858	14.797	14.893	VV	5366	130148	1.65%	0.181%
168	14.920	14.893	14.948	VV	6732	122212	1.55%	0.170%
169	14.995	14.948	15.064	VV	7091	209704	2.66%	0.292%
170	15.116	15.064	15.164	VV	2121	91751	1.16%	0.128%
171	15.234	15.164	15.254	VV	25477	392863	4.98%	0.548%
172	15.275	15.254	15.358	VV	26261	505049	6.40%	0.704%
173	15.395	15.358	15.448	VV	4597	146097	1.85%	0.204%
174	15.493	15.448	15.517	VV	2342	73019	0.93%	0.102%
175	15.549	15.517	15.564	VV	3321	63836	0.81%	0.089%
176	15.580	15.564	15.631	VV	3065	79561	1.01%	0.111%
177	15.666	15.631	15.758	VV	17015	336651	4.27%	0.469%
178	15.826	15.758	15.854	VV	18311	262698	3.33%	0.366%
179	15.910	15.854	15.933	VV	6892	142520	1.81%	0.199%
180	15.949	15.933	15.984	VV	2987	45289	0.57%	0.063%
181	16.073	15.984	16.124	PV	2087	77791	0.99%	0.108%
182	16.147	16.124	16.167	VV	1094	18135	0.23%	0.025%
183	16.235	16.167	16.261	VV	1716	47854	0.61%	0.067%
184	16.307	16.261	16.338	VV	3340	62717	0.80%	0.087%
185	16.369	16.338	16.424	VV	1595	37507	0.48%	0.052%
186	16.511	16.424	16.527	PV	1286	20137	0.26%	0.028%
187	16.548	16.527	16.570	VV	1639	22592	0.29%	0.031%
188	16.605	16.570	16.641	VV	1521	37097	0.47%	0.052%
189	16.683	16.641	16.733	VV	6218	135274	1.72%	0.189%
190	16.799	16.733	16.854	VV	29021	577921	7.33%	0.806%
191	16.875	16.854	16.904	VV	5808	85033	1.08%	0.119%
192	16.933	16.904	16.984	VV	5073	87725	1.11%	0.122%
193	17.005	16.984	17.038	VV	557	10708	0.14%	0.015%
194	17.122	17.038	17.152	PV	14640	245514	3.11%	0.342%

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195	17.183	17.152	17.233	VV	17860	283655	3.60%	0.395%
196	17.306	17.233	17.374	VV	4141	209300	2.65%	0.292%
197	17.432	17.374	17.468	VV	2394	74658	0.95%	0.104%
198	17.551	17.468	17.588	VV	3124	156947	1.99%	0.219%
199	17.628	17.588	17.654	VV	7347	170019	2.16%	0.237%
200	17.711	17.654	17.751	VV	8895	266666	3.38%	0.372%
201	17.799	17.751	17.817	VV	2867	92541	1.17%	0.129%
202	17.840	17.817	17.874	VV	2651	64762	0.82%	0.090%
203	17.890	17.874	17.918	VV	705	14596	0.19%	0.020%
204	18.150	17.918	18.174	PV	3775	-25637	-0.33%	-0.036%
205	18.246	18.174	18.274	PV	3244	73685	0.93%	0.103%
206	18.338	18.274	18.400	VV	3723	204776	2.60%	0.285%
207	18.510	18.400	18.538	VV	10789	365462	4.63%	0.509%
208	18.568	18.538	18.624	VV	16673	368856	4.68%	0.514%
209	18.736	18.624	18.770	VV	5922	287787	3.65%	0.401%
210	18.816	18.770	18.858	VV	12365	333512	4.23%	0.465%
211	18.981	18.858	19.015	VV	14251	715274	9.07%	0.997%
212	19.086	19.015	19.116	VV	13355	558570	7.08%	0.779%
213	19.142	19.116	19.163	VV	12933	313140	3.97%	0.437%
214	19.187	19.163	19.228	VV	15461	434753	5.51%	0.606%
215	19.259	19.228	19.275	VV	9643	244209	3.10%	0.340%
216	19.341	19.275	19.366	VV	16168	597566	7.58%	0.833%
217	19.385	19.366	19.424	VV	14839	356860	4.53%	0.497%
218	19.558	19.424	19.578	VV	12638	887793	11.26%	1.238%
219	19.617	19.578	19.671	VV	14438	678552	8.61%	0.946%
220	19.684	19.671	19.708	VV	13896	284516	3.61%	0.397%
221	19.765	19.708	19.798	VV	15729	711855	9.03%	0.992%
222	19.832	19.798	19.868	VV	15196	571608	7.25%	0.797%
223	19.885	19.868	19.918	VV	15535	424806	5.39%	0.592%
224	20.001	19.918	20.031	VV	27160	1477749	18.74%	2.060%
225	20.056	20.031	20.081	VV	33386	841182	10.67%	1.173%
226	20.133	20.081	20.160	VV	34189	1348015	17.10%	1.879%
227	20.180	20.160	20.201	VV	29390	694222	8.80%	0.968%
228	20.260	20.201	20.292	VV	34478	1653451	20.97%	2.305%
229	20.360	20.292	20.421	VV	40343	2774678	35.19%	3.868%
230	20.574	20.421	20.644	VV	42050	5218277	66.18%	7.275%
231	20.705	20.644	20.733	VV	43424	2114910	26.82%	2.948%
232	20.822	20.733	20.923	VV	42700	4350929	55.18%	6.066%
233	21.013	20.923	21.038	VV	41295	2665593	33.80%	3.716%
234	21.063	21.038	21.218	VV	42890	3850490	48.83%	5.368%
235	21.411	21.218	21.614	VV	47165	7885314	100.00%	10.993%
236	21.723	21.614	21.786	VV	25801	2057571	26.09%	2.868%
237	21.869	21.786	21.998	VV	25649	2349794	29.80%	3.276%
238	22.070	21.998	22.154	VV	14099	1016082	12.89%	1.417%
239	22.175	22.154	22.193	VV	6983	140650	1.78%	0.196%
240	22.274	22.193	22.368	VV	11640	770710	9.77%	1.074%

Sum of corrected areas: 71731698

Aliphatic EPH 101725.M Wed Oct 29 04:37:56 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102825AL\
Data File : FC070060.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 13:19
Operator : YP/AJ
Sample : PB170266BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB170266BL

Integration File: autoint1.e
Quant Time: Oct 29 03:45:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 09:35:40 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)	11.642	6533927	37.208 ug/ml
Spiked Amount 50.000		Recovery = 74.42%	
12) S 1-chlorooctadecane (S...	13.077	5156082	37.984 ug/ml
Spiked Amount 50.000		Recovery = 75.97%	
Target Compounds			

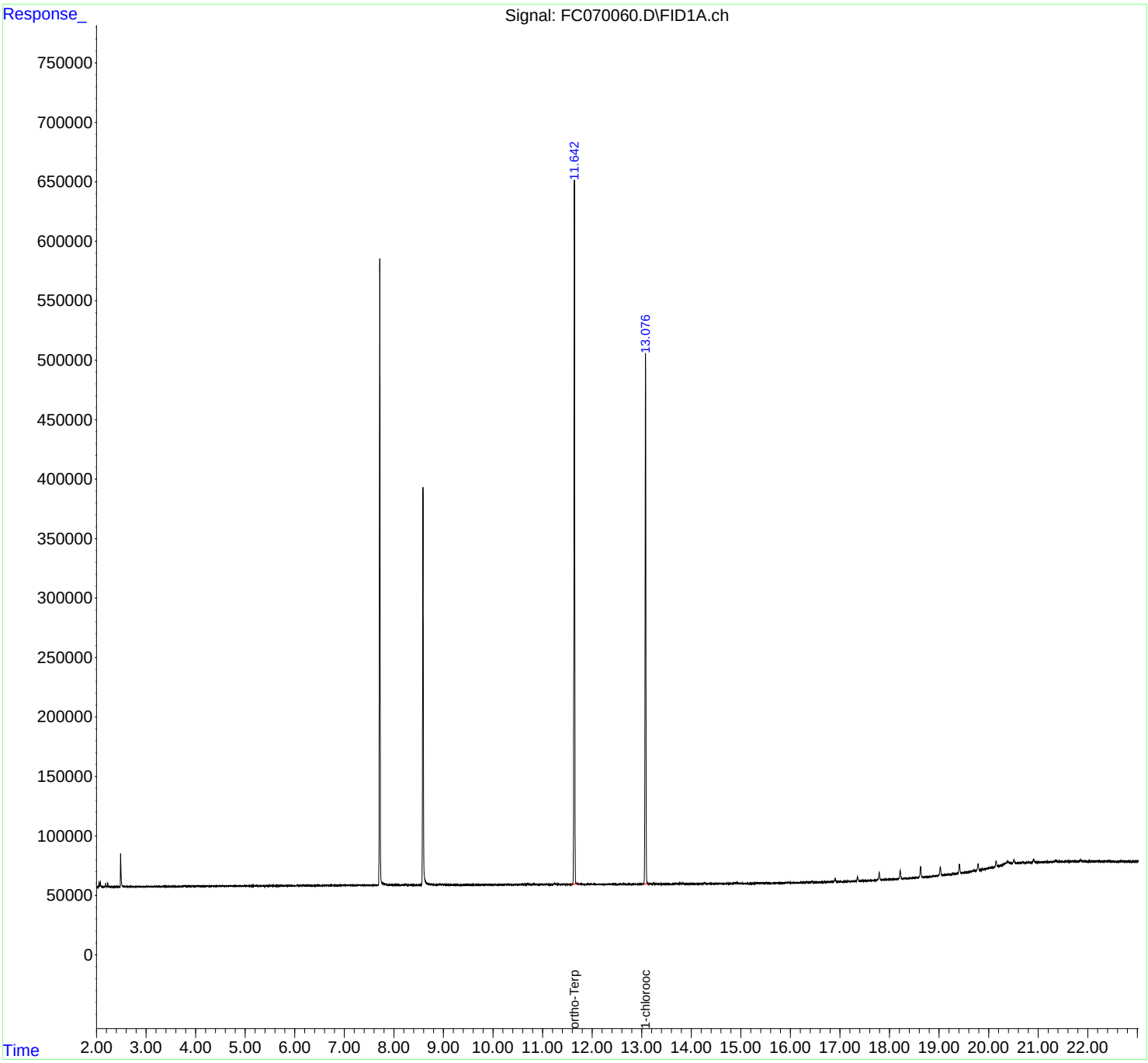
(f)=RT Delta > 1/2 Window (m)=manual int.

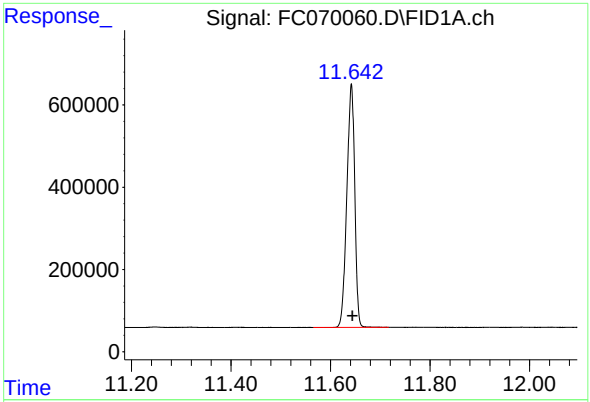
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102825AL\
Data File : FC070060.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 13:19
Operator : YP/AJ
Sample : PB170266BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB170266BL

Integration File: autoint1.e
Quant Time: Oct 29 03:45:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 09:35:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

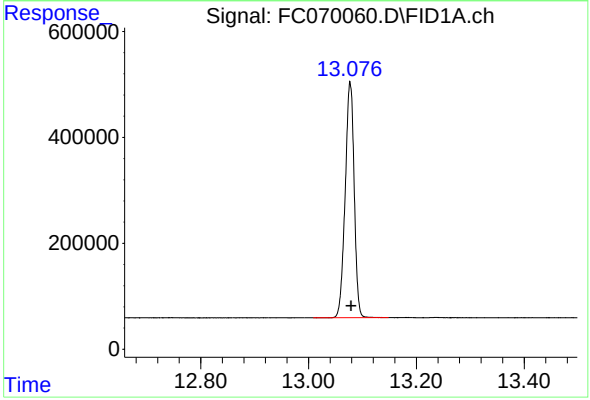




#9 ortho-Terphenyl (SURR)

R.T.: 11.642 min
Delta R.T.: -0.002 min
Response: 6533927
Conc: 37.21 ug/ml

Instrument :
FID_C
ClientSampleId :
PB170266BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.077 min
Delta R.T.: -0.002 min
Response: 5156082
Conc: 37.98 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102825AL\
Data File : FC070060.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 13:19
Sample : PB170266BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	11.642	11.565	11.717	BB	592865	6533927	100.00%	55.893%
2	13.077	13.008	13.148	BB	445378	5156082	78.91%	44.107%
			Sum of corrected areas:			11690009		

Aliphatic EPH 100725.M Wed Oct 29 05:04:23 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102825AL\
Data File : FC070061.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 13:58
Operator : YP/AJ
Sample : PB170266BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB170266BS

Integration File: autoint1.e
Quant Time: Oct 29 03:46:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 09:35:40 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)	11.643	6583185	37.489 ug/ml
Spiked Amount	50.000		Recovery =	74.98%
12) S	1-chlorooctadecane (S...	13.076	5277309	38.877 ug/ml
Spiked Amount	50.000		Recovery =	77.75%
	Target Compounds			
1) T	n-Nonane (C9)	3.387	4650479	33.867 ug/ml
2) T	n-Decane (C10)	4.455	5059400	35.193 ug/ml
3) T	A~Naphthalene (C11.7)	6.046	6153980	38.078 ug/ml
4) T	n-Dodecane (C12)	6.474	5635226	36.765 ug/ml
5) T	A~2-methylnaphthalene...	7.105	5941085	37.236 ug/ml
6) T	n-Tetradecane (C14)	8.274	6090686	38.296 ug/ml
7) T	n-Hexadecane (C16)	9.875	6443448	38.235 ug/ml
8) T	n-Octadecane (C18)	11.320	6465010	38.001 ug/ml
10) T	n-Eicosane (C20)	12.631	6501061	40.522 ug/ml
11) T	n-Heneicosane (C21)	13.244	6220754	40.063 ug/ml
13) T	n-Docosane (C22)	13.831	6083189	39.528 ug/ml
14) T	n-Tetracosane (C24)	14.931	11419021	75.308 ug/ml
15) T	n-Hexacosane (C26)	15.958	5570515	38.486 ug/ml
16) T	n-Octacosane (C28)	16.908	5285816	38.219 ug/ml
17) T	n-Tricontane (C30)	17.797	5235733	38.347 ug/ml
18) T	n-Dotriacontane (C32)	18.629	5101590	39.568 ug/ml
19) T	n-Tetratriacontane (C34)	19.414	5187390	45.464 ug/ml
20) T	n-Hexatriacontane (C36)	20.155	4854069	50.191 ug/ml
21) T	n-Octatriacontane (C38)	20.912	5009101	57.471 ug/ml
22) T	n-Tetracontane (C40)	21.863	4904253	59.690 ug/ml

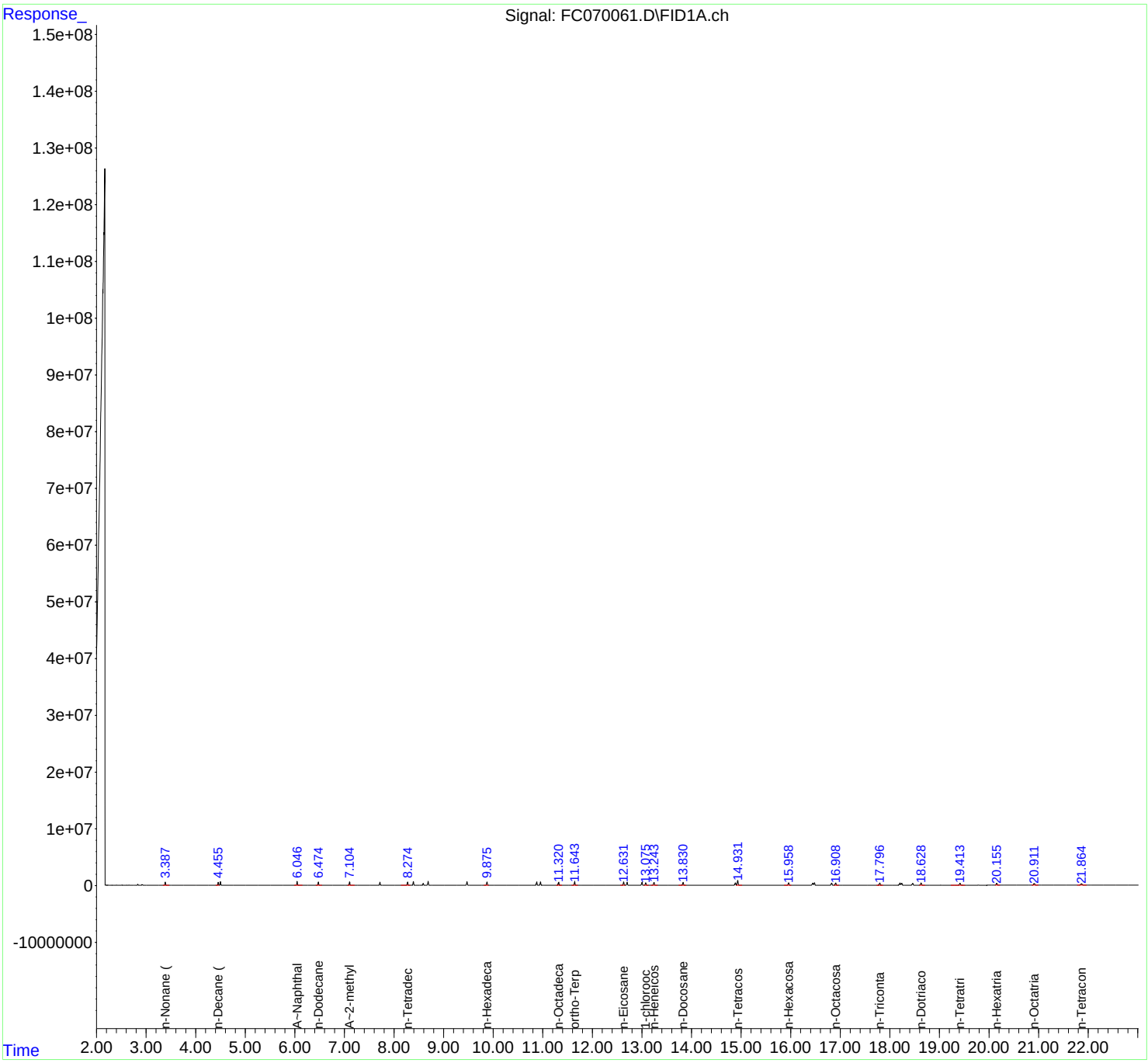
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102825AL\
Data File : FC070061.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 13:58
Operator : YP/AJ
Sample : PB170266BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB170266BS

Integration File: autoint1.e
Quant Time: Oct 29 03:46:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 09:35:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102825AL\
Data File : FC070061.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 13:58
Sample : PB170266BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.387	3.337	3.467	BB	558475	4650479	40.73%	2.151%
2	4.455	4.402	4.477	BV	565217	5059400	44.31%	2.340%
3	4.500	4.477	4.543	VV	636800	5586985	48.93%	2.584%
4	6.046	5.985	6.152	BB	664107	6153980	53.89%	2.846%
5	6.474	6.420	6.547	BB	577243	5635226	49.35%	2.606%
6	7.105	7.059	7.205	BB	602491	5941085	52.03%	2.748%
7	8.274	8.140	8.327	BB	565703	6090686	53.34%	2.817%
8	8.390	8.327	8.474	BB	651603	6612135	57.90%	3.058%
9	8.688	8.655	8.787	VB	661309	6711613	58.78%	3.104%
10	9.473	9.414	9.575	BB	618682	6755054	59.16%	3.124%
11	9.875	9.809	9.909	BV	583012	6443448	56.43%	2.980%
12	10.879	10.795	10.920	BV	597536	6408272	56.12%	2.964%
13	10.955	10.920	11.054	VB	580075	6363879	55.73%	2.943%
14	11.320	11.270	11.387	BB	567160	6465010	56.62%	2.990%
15	11.643	11.580	11.709	BB	597465	6583185	57.65%	3.045%
16	12.631	12.565	12.664	BV	567190	6501061	56.93%	3.007%
17	12.701	12.664	12.789	VB	533707	6044081	52.93%	2.795%
18	13.002	12.930	13.035	BV	525382	5988995	52.45%	2.770%
19	13.076	13.035	13.135	VB	445144	5277309	46.22%	2.441%
20	13.244	13.179	13.319	BB	490391	6220754	54.48%	2.877%
21	13.831	13.740	13.892	BB	511350	6083189	53.27%	2.813%
22	14.884	14.812	14.903	BV	415063	5488473	48.06%	2.538%
23	14.931	14.903	15.020	VB	856441	11419021	100.00%	5.281%
24	15.958	15.865	16.010	BB	419343	5570515	48.78%	2.576%
25	16.446	16.370	16.461	BV	369234	5307897	46.48%	2.455%
26	16.480	16.461	16.572	VB	436828	5345003	46.81%	2.472%
27	16.827	16.754	16.869	BBA	370479	5067932	44.38%	2.344%
28	16.908	16.870	16.974	BB	397809	5285816	46.29%	2.445%
29	17.797	17.732	17.865	BB	396781	5235733	45.85%	2.421%
30	18.205	18.120	18.219	BV	365526	5187899	45.43%	2.399%
31	18.239	18.219	18.367	VB	346456	4891594	42.84%	2.262%
32	18.462	18.380	18.572	BB	331725	4797074	42.01%	2.219%
33	18.629	18.590	18.709	BB	351973	5101590	44.68%	2.359%
34	19.414	19.229	19.515	BB	351121	5187390	45.43%	2.399%
35	20.155	20.120	20.222	BB	331684	4854069	42.51%	2.245%
36	20.912	20.860	20.995	BB	274385	5009101	43.87%	2.317%

rteres

37	21.863	21.775	21.967	BB	192289	4904253	42.95%	2.268%

Sum of corrected areas: 216229185

Aliphatic EPH 100725.M Wed Oct 29 05:05:41 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102825AL\
Data File : FC070062.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 14:38
Operator : YP/AJ
Sample : PB170266BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB170266BSD

Integration File: autoint1.e
Quant Time: Oct 29 03:46:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 09:35:40 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)	11.643	6788843	38.660 ug/ml
Spiked Amount	50.000		Recovery =	77.32%
12) S	1-chlorooctadecane (S...	13.078	5478491	40.359 ug/ml
Spiked Amount	50.000		Recovery =	80.72%
	Target Compounds			
1) T	n-Nonane (C9)	3.388	4802337	34.973 ug/ml
2) T	n-Decane (C10)	4.456	5239712	36.447 ug/ml
3) T	A~Naphthalene (C11.7)	6.047	6350997	39.297 ug/ml
4) T	n-Dodecane (C12)	6.475	5845462	38.137 ug/ml
5) T	A~2-methylnaphthalene...	7.105	6125621	38.393 ug/ml
6) T	n-Tetradecane (C14)	8.274	6343256	39.884 ug/ml
7) T	n-Hexadecane (C16)	9.876	6712913	39.834 ug/ml
8) T	n-Octadecane (C18)	11.320	6736591	39.597 ug/ml
10) T	n-Eicosane (C20)	12.632	6767348	42.182 ug/ml
11) T	n-Heneicosane (C21)	13.244	6467043	41.649 ug/ml
13) T	n-Docosane (C22)	13.831	6317736	41.052 ug/ml
14) T	n-Tetracosane (C24)	14.931	11721933	77.306 ug/ml
15) T	n-Hexacosane (C26)	15.958	5749384	39.722 ug/ml
16) T	n-Octacosane (C28)	16.907	5459099	39.472 ug/ml
17) T	n-Tricontane (C30)	17.798	5417062	39.676 ug/ml
18) T	n-Dotriacontane (C32)	18.630	5290602	41.034 ug/ml
19) T	n-Tetratriacontane (C34)	19.415	5381965	47.169 ug/ml
20) T	n-Hexatriacontane (C36)	20.156	5014123	51.846 ug/ml
21) T	n-Octatriacontane (C38)	20.913	5115981	58.697 ug/ml
22) T	n-Tetracontane (C40)	21.867	4987694	60.705 ug/ml

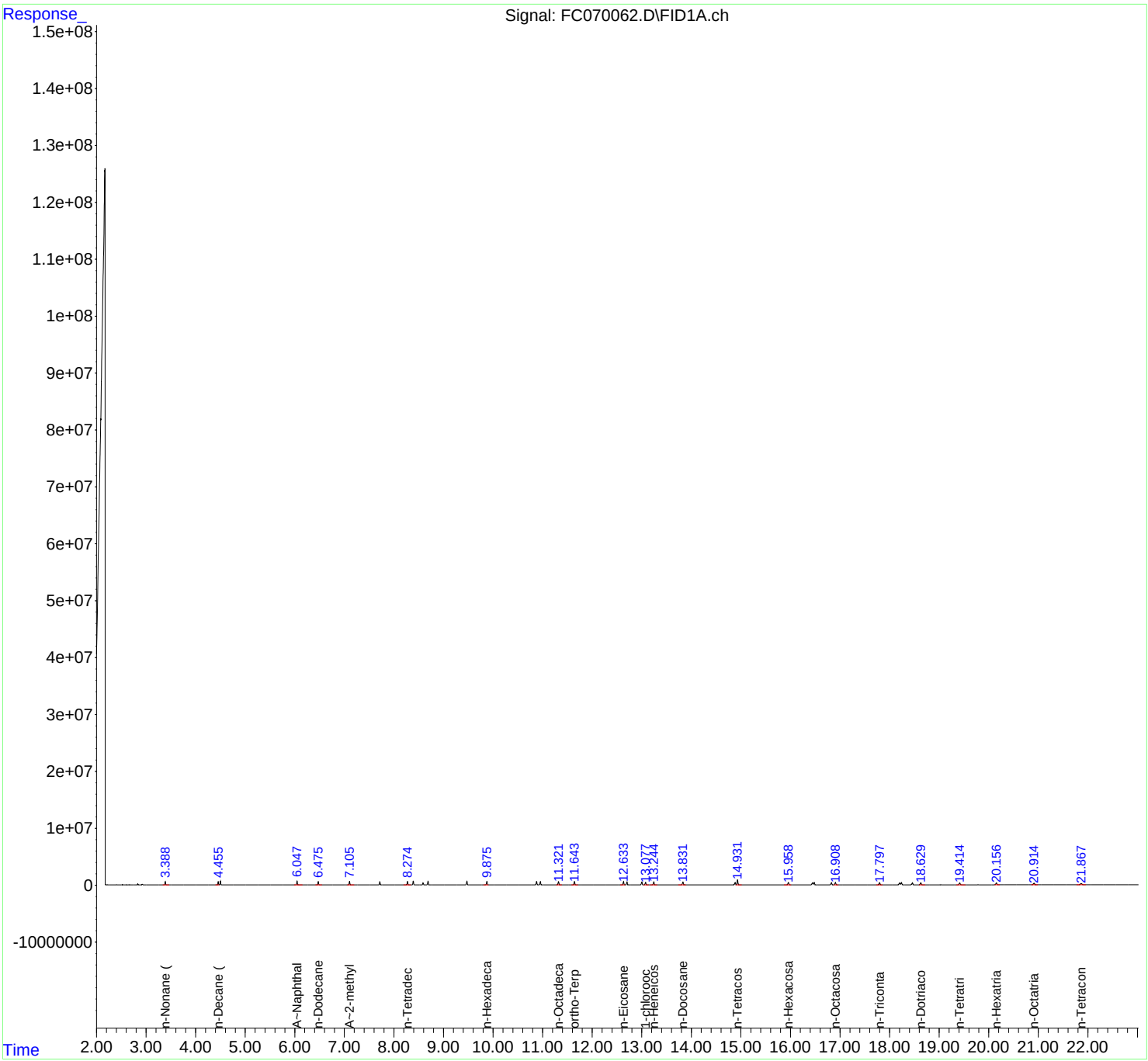
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102825AL\
Data File : FC070062.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 14:38
Operator : YP/AJ
Sample : PB170266BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB170266BSD

Integration File: autoint1.e
Quant Time: Oct 29 03:46:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 09:35:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102825AL\
Data File : FC070062.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 14:38
Sample : PB170266BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.388	3.337	3.465	BB	586480	4802337	40.97%	2.155%
2	4.456	4.399	4.477	BV	589167	5239712	44.70%	2.351%
3	4.500	4.477	4.543	VV	658008	5764229	49.17%	2.587%
4	6.047	5.985	6.155	BB	693006	6350997	54.18%	2.850%
5	6.475	6.415	6.547	BB	601050	5845462	49.87%	2.623%
6	7.105	7.057	7.200	BB	615853	6125621	52.26%	2.749%
7	8.274	8.194	8.342	BB	609153	6343256	54.11%	2.846%
8	8.390	8.342	8.477	BB	669072	6814280	58.13%	3.058%
9	8.689	8.655	8.789	VB	665425	6916914	59.01%	3.104%
10	9.473	9.414	9.579	BB	654808	6953226	59.32%	3.120%
11	9.876	9.809	9.909	BV	608576	6712913	57.27%	3.012%
12	10.879	10.794	10.922	BV	589457	6571809	56.06%	2.949%
13	10.956	10.922	11.072	VB	567505	6529509	55.70%	2.930%
14	11.320	11.274	11.389	BB	569730	6736591	57.47%	3.023%
15	11.643	11.580	11.714	BB	602018	6788843	57.92%	3.046%
16	12.632	12.565	12.664	BV	584119	6767348	57.73%	3.037%
17	12.703	12.664	12.797	VB	556082	6172453	52.66%	2.770%
18	13.003	12.930	13.036	BV	532776	6110532	52.13%	2.742%
19	13.078	13.036	13.142	VB	466486	5478491	46.74%	2.458%
20	13.244	13.170	13.312	BB	552785	6467043	55.17%	2.902%
21	13.831	13.737	13.892	BB	506729	6317736	53.90%	2.835%
22	14.884	14.819	14.904	BV	417359	5595880	47.74%	2.511%
23	14.931	14.904	15.017	VB	901870	11721933	100.00%	5.260%
24	15.958	15.869	16.014	BB	439279	5749384	49.05%	2.580%
25	16.446	16.370	16.461	BV	375872	5408867	46.14%	2.427%
26	16.480	16.461	16.565	VB	443009	5417489	46.22%	2.431%
27	16.828	16.750	16.869	BBA	411793	5148605	43.92%	2.310%
28	16.907	16.870	16.967	BB	404043	5459099	46.57%	2.450%
29	17.798	17.730	17.859	BB	392556	5417062	46.21%	2.431%
30	18.205	18.120	18.220	BV	360844	5379958	45.90%	2.414%
31	18.241	18.220	18.374	VB	380205	5064465	43.21%	2.273%
32	18.461	18.389	18.577	BB	335520	4884770	41.67%	2.192%
33	18.630	18.590	18.717	BB	368216	5290602	45.13%	2.374%
34	19.415	19.345	19.529	BB	349415	5381965	45.91%	2.415%
35	20.156	20.120	20.224	BB	341196	5014123	42.78%	2.250%
36	20.913	20.860	20.992	BB	281939	5115981	43.64%	2.296%

rteres

37	21.867	21.770	21.960	BB	200855	4987694	42.55%	2.238%

Sum of corrected areas: 222847176

Aliphatic EPH 100725.M Wed Oct 29 05:07:02 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102825AL\
Data File : FC070065.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 16:39
Operator : YP/AJ
Sample : Q3469-01MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
TP-13MS

Integration File: autoint1.e
Quant Time: Oct 29 07:48:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 09:35:40 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)	11.641	4959543	28.243 ug/ml
Spiked Amount	50.000		Recovery =	56.49%
12) S	1-chlorooctadecane (S...	13.076	4099935	30.204 ug/ml
Spiked Amount	50.000		Recovery =	60.41%
	Target Compounds			
1) T	n-Nonane (C9)	3.378	3116026	22.692 ug/ml
2) T	n-Decane (C10)	4.451	3586581	24.948 ug/ml
3) T	A~Naphthalene (C11.7)	6.045	4684147	28.983 ug/ml
4) T	n-Dodecane (C12)	6.473	4126061	26.919 ug/ml
5) T	A~2-methylnaphthalene...	7.103	4496838	28.184 ug/ml
6) T	n-Tetradecane (C14)	8.273	4623674	29.072 ug/ml
7) T	n-Hexadecane (C16)	9.874	4957225	29.416 ug/ml
8) T	n-Octadecane (C18)	11.319	4993173	29.349 ug/ml
10) T	n-Eicosane (C20)	12.629	4937253	30.774 ug/ml
11) T	n-Heneicosane (C21)	13.242	4820586	31.046 ug/ml
13) T	n-Docosane (C22)	13.829	4718752	30.662 ug/ml
14) T	n-Tetracosane (C24)	14.928	9207348	60.722 ug/ml
15) T	n-Hexacosane (C26)	15.957	4307926	29.763 ug/ml
16) T	n-Octacosane (C28)	16.906	4111065	29.725 ug/ml
17) T	n-Tricontane (C30)	17.796	3976203	29.122 ug/ml
18) T	n-Dotriacontane (C32)	18.628	3819775	29.626 ug/ml
19) T	n-Tetratriacontane (C34)	19.412	3762941	32.979 ug/ml
20) T	n-Hexatriacontane (C36)	20.152	3389119	35.044 ug/ml
21) T	n-Octatriacontane (C38)	20.909	3364543	38.602 ug/ml
22) T	n-Tetracontane (C40)	21.861	3288985	40.030 ug/ml

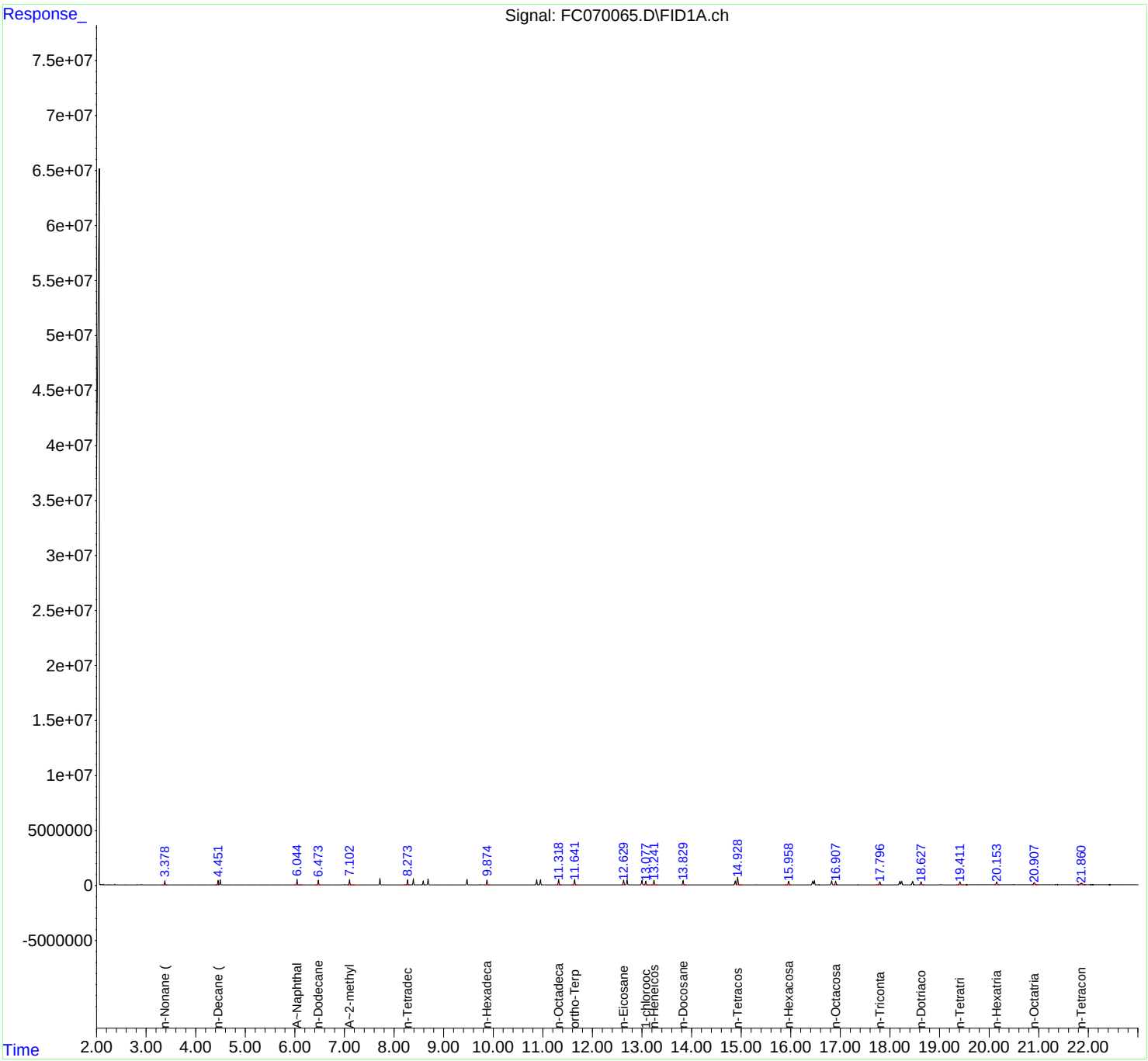
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102825AL\
Data File : FC070065.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 16:39
Operator : YP/AJ
Sample : Q3469-01MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
TP-13MS

Integration File: autoint1.e
Quant Time: Oct 29 07:48:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 09:35:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102825AL\
Data File : FC070065.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 16:39
Sample : Q3469-01MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.237	3.204	3.251	BV	276	2064	0.02%	0.001%
2	3.266	3.251	3.328	VV	578	9837	0.11%	0.005%
3	3.334	3.328	3.354	PV	35	502	0.01%	0.000%
4	3.378	3.354	3.489	PV	372733	3145662	34.03%	1.757%
5	3.503	3.489	3.516	VV	325	4220	0.05%	0.002%
6	3.529	3.516	3.551	VV	338	4233	0.05%	0.002%
7	3.559	3.551	3.609	VV	179	3512	0.04%	0.002%
8	3.621	3.609	3.630	PV	130	889	0.01%	0.000%
9	3.656	3.630	3.668	VV	306	4337	0.05%	0.002%
10	3.689	3.668	3.720	VV	550	10933	0.12%	0.006%
11	3.734	3.720	3.751	VV	625	6509	0.07%	0.004%
12	3.768	3.751	3.840	VV	5975	56871	0.62%	0.032%
13	3.866	3.840	3.909	VV	4695	45797	0.50%	0.026%
14	3.924	3.909	3.934	VV	258	2441	0.03%	0.001%
15	3.952	3.934	4.014	VV	366	8248	0.09%	0.005%
16	4.053	4.014	4.095	PV	452	13058	0.14%	0.007%
17	4.108	4.095	4.119	VV	213	1974	0.02%	0.001%
18	4.144	4.119	4.158	VV	275	3962	0.04%	0.002%
19	4.191	4.158	4.207	VV	266	5887	0.06%	0.003%
20	4.217	4.207	4.277	VV	333	8452	0.09%	0.005%
21	4.290	4.277	4.328	VV	210	4096	0.04%	0.002%
22	4.345	4.328	4.371	VV	127	2180	0.02%	0.001%
23	4.375	4.371	4.391	VV	198	1385	0.01%	0.001%
24	4.405	4.391	4.418	VV	118	1658	0.02%	0.001%
25	4.451	4.418	4.473	VV	411654	3591070	38.85%	2.005%
26	4.495	4.473	4.540	VV	464790	4119761	44.57%	2.301%
27	4.557	4.540	4.581	VV	4613	53827	0.58%	0.030%
28	4.603	4.581	4.693	VV	7177	87039	0.94%	0.049%
29	4.704	4.693	4.788	VV	312	10783	0.12%	0.006%
30	4.803	4.788	4.819	VV	157	2480	0.03%	0.001%
31	4.828	4.819	4.851	VV	144	1905	0.02%	0.001%
32	4.865	4.851	4.877	VV	118	1266	0.01%	0.001%
33	4.887	4.877	4.915	VV	147	2153	0.02%	0.001%
34	4.924	4.915	4.953	VV	126	1459	0.02%	0.001%
35	4.974	4.953	5.000	VV	101	2045	0.02%	0.001%
36	5.040	5.000	5.068	VV	223	4675	0.05%	0.003%

rteres

37	5.082	5.068	5.098	VV	181	2456	0.03%	0.001%
38	5.107	5.098	5.158	VV	160	4545	0.05%	0.003%
39	5.208	5.158	5.245	VV	240	5833	0.06%	0.003%
40	5.309	5.245	5.368	VV	357	11033	0.12%	0.006%
41	5.387	5.368	5.409	VV	167	2309	0.02%	0.001%
42	5.452	5.409	5.460	PV	163	2998	0.03%	0.002%
43	5.488	5.460	5.510	VV	1330	15697	0.17%	0.009%
44	5.528	5.510	5.587	VV	532	13512	0.15%	0.008%
45	5.599	5.587	5.636	VV	259	6138	0.07%	0.003%
46	5.649	5.636	5.696	VV	343	5596	0.06%	0.003%
47	5.725	5.696	5.773	VV	206	6894	0.07%	0.004%
48	5.785	5.773	5.814	VV	228	3677	0.04%	0.002%
49	5.835	5.814	5.891	VV	332	7869	0.09%	0.004%
50	5.900	5.891	5.958	VV	181	4592	0.05%	0.003%
51	5.965	5.958	5.977	VV	162	1686	0.02%	0.001%
52	5.991	5.977	5.999	VV	177	1762	0.02%	0.001%
53	6.045	5.999	6.173	VV	484821	4726987	51.13%	2.640%
54	6.189	6.173	6.258	VV	789	21087	0.23%	0.012%
55	6.321	6.258	6.365	VV	457	18975	0.21%	0.011%
56	6.380	6.365	6.418	VV	314	7673	0.08%	0.004%
57	6.431	6.418	6.440	VV	264	2758	0.03%	0.002%
58	6.473	6.440	6.534	VV	425140	4143993	44.83%	2.314%
59	6.550	6.534	6.601	VV	878	20087	0.22%	0.011%
60	6.621	6.601	6.656	VV	479	10395	0.11%	0.006%
61	6.677	6.656	6.708	VV	447	8820	0.10%	0.005%
62	6.724	6.708	6.781	VV	526	12287	0.13%	0.007%
63	6.795	6.781	6.848	VV	250	6071	0.07%	0.003%
64	6.896	6.848	6.928	VV	339	8732	0.09%	0.005%
65	6.957	6.928	6.986	VV	3559	52767	0.57%	0.029%
66	7.009	6.986	7.059	VV	12072	133844	1.45%	0.075%
67	7.103	7.059	7.219	VV	448908	4535948	49.07%	2.533%
68	7.239	7.219	7.273	VV	1562	30596	0.33%	0.017%
69	7.295	7.273	7.354	VV	2387	55453	0.60%	0.031%
70	7.370	7.354	7.383	VV	1199	14909	0.16%	0.008%
71	7.397	7.383	7.424	VV	1357	17972	0.19%	0.010%
72	7.460	7.424	7.480	VV	705	14404	0.16%	0.008%
73	7.491	7.480	7.514	VV	491	6474	0.07%	0.004%
74	7.524	7.514	7.547	VV	249	4050	0.04%	0.002%
75	7.575	7.547	7.592	VV	748	10267	0.11%	0.006%
76	7.621	7.592	7.671	VV	386	11604	0.13%	0.006%
77	7.815	7.793	7.844	VV	1028	26978	0.29%	0.015%
78	7.852	7.844	7.912	VV	873	21557	0.23%	0.012%
79	7.925	7.912	7.948	VV	383	6560	0.07%	0.004%
80	7.965	7.948	7.996	VV	520	10995	0.12%	0.006%
81	8.021	7.996	8.058	VV	630	12027	0.13%	0.007%
82	8.090	8.058	8.108	VV	281	6410	0.07%	0.004%
83	8.119	8.108	8.128	VV	240	2494	0.03%	0.001%
84	8.134	8.128	8.148	VV	311	3074	0.03%	0.002%
85	8.172	8.148	8.215	VV	404	10303	0.11%	0.006%
86	8.273	8.215	8.351	VV	456961	4646579	50.26%	2.595%
87	8.389	8.351	8.534	VV	529670	5340270	57.77%	2.982%
88	8.546	8.534	8.553	VV	290	2997	0.03%	0.002%
89	8.686	8.653	8.848	VV	524216	5389719	58.30%	3.010%

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90	8.860	8.848	8.895	VV	399	9349	0.10%	0.005%
91	8.905	8.895	8.940	VV	379	7690	0.08%	0.004%
92	8.964	8.940	9.058	VV	745	29091	0.31%	0.016%
93	9.092	9.058	9.121	VV	1073	16675	0.18%	0.009%
94	9.149	9.121	9.180	VV	333	8706	0.09%	0.005%
95	9.195	9.180	9.234	VV	307	5203	0.06%	0.003%
96	9.244	9.234	9.253	VV	156	1394	0.02%	0.001%
97	9.282	9.253	9.303	VV	180	4023	0.04%	0.002%
98	9.328	9.303	9.353	VV	219	4030	0.04%	0.002%
99	9.368	9.353	9.410	VV	176	3044	0.03%	0.002%
100	9.471	9.410	9.638	PV	506291	5534880	59.87%	3.091%
101	9.683	9.638	9.720	VV	7291	103716	1.12%	0.058%
102	9.746	9.720	9.836	VV	28408	366822	3.97%	0.205%
103	9.874	9.836	9.908	VV	444192	4968558	53.75%	2.775%
104	9.918	9.908	9.958	VV	807	17742	0.19%	0.010%
105	9.978	9.958	10.074	VV	485	16794	0.18%	0.009%
106	10.098	10.074	10.138	VV	1062	14728	0.16%	0.008%
107	10.156	10.138	10.194	VV	364	6303	0.07%	0.004%
108	10.219	10.194	10.247	VV	3343	40257	0.44%	0.022%
109	10.259	10.247	10.284	VV	304	4664	0.05%	0.003%
110	10.318	10.284	10.335	VV	357	6315	0.07%	0.004%
111	10.347	10.335	10.377	VV	234	3628	0.04%	0.002%
112	10.397	10.377	10.437	PV	217	4956	0.05%	0.003%
113	10.445	10.437	10.453	VV	119	864	0.01%	0.000%
114	10.498	10.453	10.507	VV	205	4040	0.04%	0.002%
115	10.530	10.507	10.554	VV	311	5678	0.06%	0.003%
116	10.567	10.554	10.578	VV	247	2642	0.03%	0.001%
117	10.611	10.578	10.651	VV	535	10618	0.11%	0.006%
118	10.679	10.651	10.751	VV	3923	56670	0.61%	0.032%
119	10.762	10.751	10.798	VV	160	2498	0.03%	0.001%
120	10.877	10.798	10.919	VV	480421	5307206	57.41%	2.964%
121	10.953	10.919	11.098	VV	485837	5325705	57.61%	2.974%
122	11.119	11.098	11.150	VV	2869	40073	0.43%	0.022%
123	11.175	11.150	11.222	VV	2515	45257	0.49%	0.025%
124	11.246	11.222	11.274	VV	739	13901	0.15%	0.008%
125	11.319	11.274	11.379	VV	437971	5008876	54.18%	2.797%
126	11.404	11.379	11.444	VV	595	13342	0.14%	0.007%
127	11.478	11.444	11.496	VV	422	7223	0.08%	0.004%
128	11.510	11.496	11.589	VV	246	7819	0.08%	0.004%
129	11.641	11.589	11.701	VV	453455	4978406	53.85%	2.780%
130	11.735	11.701	11.756	VV	744	20102	0.22%	0.011%
131	11.779	11.756	11.816	VV	948	25004	0.27%	0.014%
132	11.830	11.816	11.845	VV	542	7372	0.08%	0.004%
133	11.859	11.845	11.893	VV	514	8232	0.09%	0.005%
134	11.928	11.893	11.938	VV	229	3432	0.04%	0.002%
135	11.984	11.938	12.024	VV	395	11686	0.13%	0.007%
136	12.045	12.024	12.068	VV	466	7619	0.08%	0.004%
137	12.078	12.068	12.104	VV	508	6430	0.07%	0.004%
138	12.113	12.104	12.188	VV	202	3849	0.04%	0.002%
139	12.195	12.188	12.220	VV	202	2172	0.02%	0.001%
140	12.238	12.220	12.301	VV	4174	67181	0.73%	0.038%
141	12.344	12.301	12.406	VV	1292	44383	0.48%	0.025%

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142	12.451	12.406	12.518	VV	1158	27610	0.30%	0.015%
143	12.537	12.518	12.547	VV	384	4380	0.05%	0.002%
144	12.573	12.547	12.594	VV	625	12077	0.13%	0.007%
145	12.629	12.594	12.663	VV	429757	4944058	53.48%	2.761%
146	12.700	12.663	12.818	VV	448408	5110263	55.28%	2.854%
147	12.835	12.818	12.857	VV	839	11970	0.13%	0.007%
148	12.882	12.857	12.921	VV	5258	63811	0.69%	0.036%
149	12.942	12.921	12.959	VV	357	5259	0.06%	0.003%
150	12.999	12.959	13.035	VV	432109	5000442	54.09%	2.792%
151	13.076	13.035	13.156	VV	335379	4117566	44.54%	2.299%
152	13.181	13.156	13.208	VV	534	12147	0.13%	0.007%
153	13.242	13.208	13.318	VV	407870	4838880	52.34%	2.702%
154	13.331	13.318	13.351	VV	287	4110	0.04%	0.002%
155	13.459	13.384	13.541	PV	547	18640	0.20%	0.010%
156	13.588	13.541	13.607	VV	884	18169	0.20%	0.010%
157	13.616	13.607	13.641	VV	607	8405	0.09%	0.005%
158	13.667	13.641	13.685	VV	969	16449	0.18%	0.009%
159	13.694	13.685	13.716	VV	636	7999	0.09%	0.004%
160	13.738	13.716	13.754	VV	571	9142	0.10%	0.005%
161	13.777	13.754	13.791	VV	953	13049	0.14%	0.007%
162	13.829	13.791	13.897	VV	386565	4740652	51.28%	2.647%
163	13.907	13.897	13.930	VV	490	6816	0.07%	0.004%
164	13.954	13.930	13.981	VV	1066	15612	0.17%	0.009%
165	14.009	13.981	14.124	VV	683	19222	0.21%	0.011%
166	14.135	14.124	14.144	VV	116	964	0.01%	0.001%
167	14.221	14.144	14.241	VV	665	16330	0.18%	0.009%
168	14.265	14.241	14.312	VV	988	20665	0.22%	0.012%
169	14.330	14.312	14.364	VV	455	9506	0.10%	0.005%
170	14.389	14.364	14.441	VV	948	20502	0.22%	0.011%
171	14.456	14.441	14.474	VV	338	4992	0.05%	0.003%
172	14.504	14.474	14.542	VV	524	13918	0.15%	0.008%
173	14.565	14.542	14.602	VV	940	15975	0.17%	0.009%
174	14.623	14.602	14.662	VV	506	12353	0.13%	0.007%
175	14.678	14.662	14.718	VV	209	5098	0.06%	0.003%
176	14.784	14.718	14.807	VV	481	14749	0.16%	0.008%
177	14.832	14.807	14.841	PV	606	7168	0.08%	0.004%
178	14.882	14.841	14.901	VV	369472	4604804	49.81%	2.571%
179	14.928	14.901	15.020	VV	675485	9244384	100.00%	5.162%
180	15.039	15.020	15.090	VV	1090	28508	0.31%	0.016%
181	15.107	15.090	15.168	VV	548	15782	0.17%	0.009%
182	15.228	15.168	15.271	VV	722	18949	0.20%	0.011%
183	15.312	15.271	15.394	VV	11284	210296	2.27%	0.117%
184	15.408	15.394	15.421	VV	351	4834	0.05%	0.003%
185	15.451	15.421	15.494	VV	2003	33761	0.37%	0.019%
186	15.528	15.494	15.538	VV	640	10718	0.12%	0.006%
187	15.553	15.538	15.578	VV	897	13763	0.15%	0.008%
188	15.590	15.578	15.619	VV	460	6646	0.07%	0.004%
189	15.640	15.619	15.668	VV	435	6217	0.07%	0.003%
190	15.715	15.668	15.774	VV	520	17059	0.18%	0.010%
191	15.785	15.774	15.807	VV	193	3513	0.04%	0.002%
192	15.829	15.807	15.860	VV	481	7842	0.08%	0.004%
193	15.957	15.860	16.002	VV	332738	4318743	46.72%	2.412%
194	16.017	16.002	16.071	VV	179	4090	0.04%	0.002%

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195	16.077	16.071	16.121	VV	117	1730	0.02%	0.001%
196	16.156	16.121	16.207	PV	820	13643	0.15%	0.008%
197	16.264	16.207	16.278	PV	237	6763	0.07%	0.004%
198	16.292	16.278	16.301	VV	193	2245	0.02%	0.001%
199	16.332	16.301	16.376	VV	1035	23620	0.26%	0.013%
200	16.442	16.376	16.458	VV	313123	4491408	48.59%	2.508%
201	16.477	16.458	16.542	VV	383948	4498027	48.66%	2.512%
202	16.570	16.542	16.663	VV	10469	165182	1.79%	0.092%
203	16.692	16.663	16.716	VV	2178	32195	0.35%	0.018%
204	16.760	16.716	16.782	VV	2548	50716	0.55%	0.028%
205	16.826	16.782	16.866	VV	342057	4330526	46.84%	2.418%
206	16.906	16.866	17.010	VV	329764	4230451	45.76%	2.362%
207	17.061	17.010	17.112	VV	386	15034	0.16%	0.008%
208	17.123	17.112	17.148	VV	180	2775	0.03%	0.002%
209	17.193	17.148	17.257	PV	519	19557	0.21%	0.011%
210	17.278	17.257	17.300	VV	484	9171	0.10%	0.005%
211	17.354	17.300	17.391	VV	7565	114564	1.24%	0.064%
212	17.440	17.391	17.457	PV	440	7592	0.08%	0.004%
213	17.481	17.457	17.498	VV	373	5611	0.06%	0.003%
214	17.520	17.498	17.568	VV	323	6107	0.07%	0.003%
215	17.584	17.568	17.619	PV	147	2167	0.02%	0.001%
216	17.685	17.619	17.718	PV	791	15094	0.16%	0.008%
217	17.796	17.718	17.858	PV	279556	3982573	43.08%	2.224%
218	17.883	17.858	17.942	VV	811	14699	0.16%	0.008%
219	17.989	17.942	18.018	PV	366	8209	0.09%	0.005%
220	18.062	18.018	18.081	VV	272	5094	0.06%	0.003%
221	18.200	18.081	18.216	PV	298272	4307847	46.60%	2.406%
222	18.236	18.216	18.344	VV	311483	4233618	45.80%	2.364%
223	18.356	18.344	18.409	VV	1232	31030	0.34%	0.017%
224	18.458	18.409	18.554	VV	295772	4238701	45.85%	2.367%
225	18.627	18.554	18.693	VV	283210	3887166	42.05%	2.171%
226	18.726	18.693	18.758	VV	729	16409	0.18%	0.009%
227	18.785	18.758	18.815	VV	278	5991	0.06%	0.003%
228	18.885	18.815	18.907	PV	667	10872	0.12%	0.006%
229	18.937	18.907	18.958	VV	517	10786	0.12%	0.006%
230	18.984	18.958	18.995	VV	2511	38172	0.41%	0.021%
231	19.022	18.995	19.078	VV	11371	188298	2.04%	0.105%
232	19.119	19.078	19.175	VV	609	24049	0.26%	0.013%
233	19.222	19.175	19.241	VV	757	18098	0.20%	0.010%
234	19.270	19.241	19.297	VV	1150	23047	0.25%	0.013%
235	19.319	19.297	19.348	VV	988	18767	0.20%	0.010%
236	19.412	19.348	19.496	VV	260431	3838758	41.53%	2.144%
237	19.516	19.496	19.546	VV	1496	38896	0.42%	0.022%
238	19.619	19.546	19.628	VV	1633	65982	0.71%	0.037%
239	19.648	19.628	19.666	VV	1922	39607	0.43%	0.022%
240	19.694	19.666	19.729	VV	2580	73779	0.80%	0.041%
241	19.783	19.729	19.814	VV	9286	206500	2.23%	0.115%
242	19.843	19.814	19.865	VV	2262	63904	0.69%	0.036%
243	20.012	19.865	20.041	VV	3995	300638	3.25%	0.168%
244	20.060	20.041	20.082	VV	3863	89582	0.97%	0.050%
245	20.152	20.082	20.241	VV	240219	3817071	41.29%	2.132%
246	20.292	20.241	20.301	VV	6274	178082	1.93%	0.099%

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247	20.312	20.301	20.351	VV	6296	161773	1.75%	0.090%
248	20.385	20.351	20.395	VV	5173	132715	1.44%	0.074%
249	20.420	20.395	20.448	VV	5375	160499	1.74%	0.090%
250	20.508	20.448	20.568	VV	9025	423527	4.58%	0.237%
251	20.592	20.568	20.611	VV	4925	126340	1.37%	0.071%
252	20.685	20.611	20.736	VV	5004	362627	3.92%	0.203%
253	20.759	20.736	20.787	VV	4745	139867	1.51%	0.078%
254	20.808	20.787	20.850	VV	4552	168597	1.82%	0.094%
255	20.909	20.850	20.994	VV	181093	3723848	40.28%	2.079%
256	21.012	20.994	21.044	VV	4117	122095	1.32%	0.068%
257	21.110	21.044	21.132	VV	3999	208580	2.26%	0.116%
258	21.157	21.132	21.191	VV	3855	132316	1.43%	0.074%
259	21.246	21.191	21.310	VV	3723	255009	2.76%	0.142%
260	21.353	21.310	21.419	VV	4858	248071	2.68%	0.139%
261	21.429	21.419	21.434	VV	3159	27925	0.30%	0.016%
262	21.443	21.434	21.454	VV	3131	36778	0.40%	0.021%
263	21.469	21.454	21.481	VV	3137	50100	0.54%	0.028%
264	21.507	21.481	21.518	VV	2973	65382	0.71%	0.037%
265	21.557	21.518	21.604	VV	2864	142643	1.54%	0.080%
266	21.615	21.604	21.637	VV	2629	51420	0.56%	0.029%
267	21.673	21.637	21.697	VV	2622	89116	0.96%	0.050%
268	21.720	21.697	21.764	VV	2374	93486	1.01%	0.052%
269	21.861	21.764	21.979	VV	139718	3521330	38.09%	1.966%
270	21.990	21.979	22.024	VV	1487	37197	0.40%	0.021%
271	22.071	22.024	22.128	VV	1714	86201	0.93%	0.048%
272	22.138	22.128	22.188	VV	992	30616	0.33%	0.017%
273	22.204	22.188	22.267	VV	737	26340	0.28%	0.015%
274	22.278	22.267	22.291	VV	490	5664	0.06%	0.003%
275	22.296	22.291	22.348	VV	397	7027	0.08%	0.004%
276	22.360	22.348	22.374	VV	159	1287	0.01%	0.001%

Sum of corrected areas: 179074367

Aliphatic EPH 100725.M Wed Oct 29 08:14:17 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102825AL\
Data File : FC070066.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 17:20
Operator : YP/AJ
Sample : Q3469-01MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
TP-13MSD

Integration File: autoint1.e
Quant Time: Oct 29 07:48:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 09:35:40 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)	11.641	5084075	28.952 ug/ml
Spiked Amount	50.000		Recovery =	57.90%
12)	S 1-chlorooctadecane (S...	13.075	4213167	31.038 ug/ml
Spiked Amount	50.000		Recovery =	62.08%
	Target Compounds			
1)	T n-Nonane (C9)	3.378	3242709	23.615 ug/ml
2)	T n-Decane (C10)	4.451	3732234	25.961 ug/ml
3)	T A~Naphthalene (C11.7)	6.045	4824004	29.849 ug/ml
4)	T n-Dodecane (C12)	6.473	4287539	27.973 ug/ml
5)	T A~2-methylnaphthalene...	7.104	4620728	28.961 ug/ml
6)	T n-Tetradecane (C14)	8.273	4788295	30.107 ug/ml
7)	T n-Hexadecane (C16)	9.874	5107307	30.307 ug/ml
8)	T n-Octadecane (C18)	11.319	5125206	30.125 ug/ml
10)	T n-Eicosane (C20)	12.630	5069086	31.596 ug/ml
11)	T n-Heneicosane (C21)	13.242	4936650	31.793 ug/ml
13)	T n-Docosane (C22)	13.829	4831521	31.395 ug/ml
14)	T n-Tetracosane (C24)	14.928	9358370	61.718 ug/ml
15)	T n-Hexacosane (C26)	15.957	4404523	30.431 ug/ml
16)	T n-Octacosane (C28)	16.906	4218447	30.501 ug/ml
17)	T n-Tricontane (C30)	17.796	4071402	29.820 ug/ml
18)	T n-Dotriacontane (C32)	18.628	3919298	30.398 ug/ml
19)	T n-Tetratriacontane (C34)	19.413	3880168	34.007 ug/ml
20)	T n-Hexatriacontane (C36)	20.153	3468003	35.859 ug/ml
21)	T n-Octatriacontane (C38)	20.910	3413736	39.167 ug/ml
22)	T n-Tetracontane (C40)	21.861	3323968	40.456 ug/ml

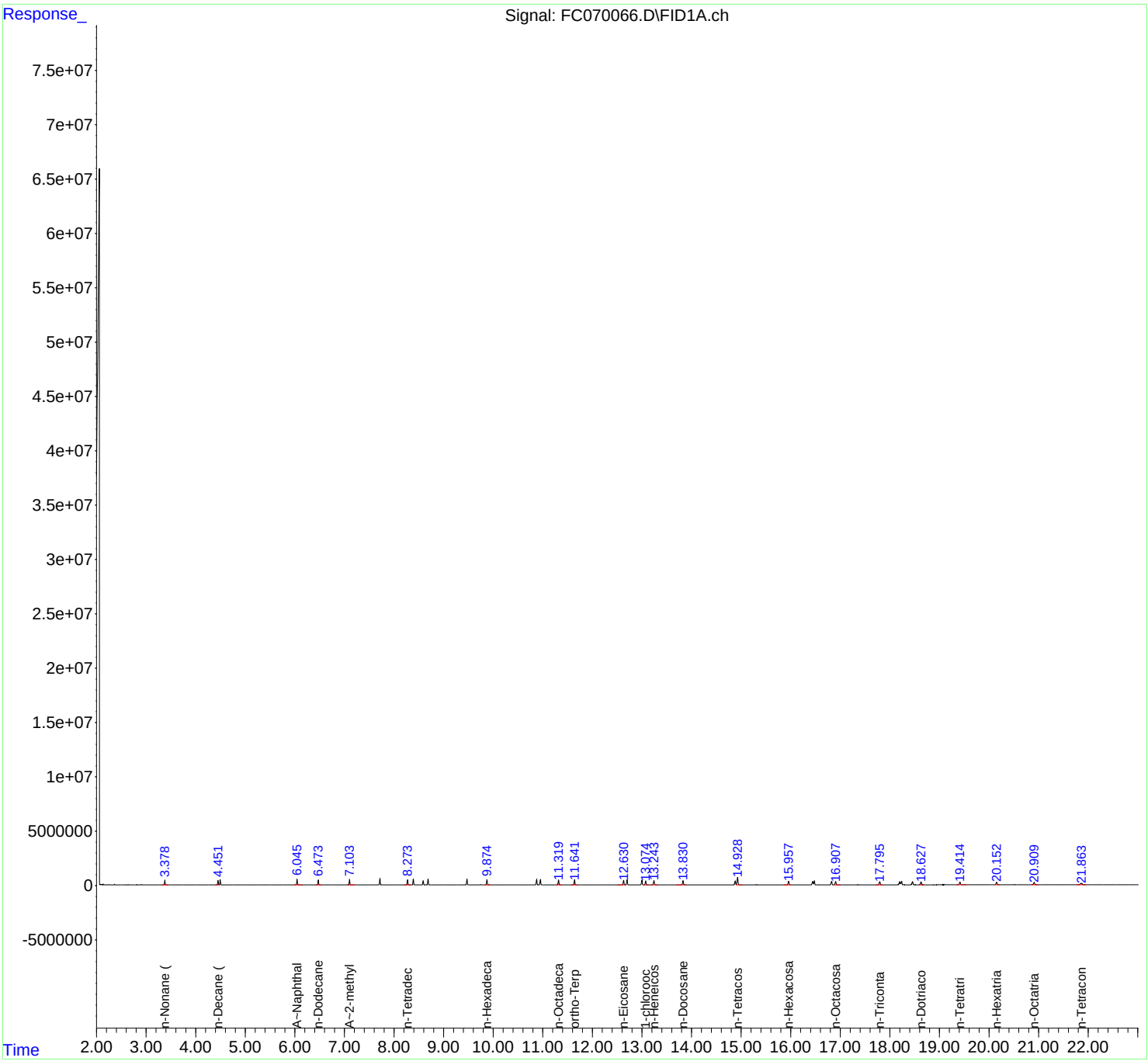
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102825AL\
Data File : FC070066.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 17:20
Operator : YP/AJ
Sample : Q3469-01MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
TP-13MSD

Integration File: autoint1.e
Quant Time: Oct 29 07:48:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 09:35:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102825AL\
Data File : FC070066.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 17:20
Sample : Q3469-01MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.265	3.204	3.321	BV	751	15777	0.17%	0.009%
2	3.333	3.321	3.347	VV	134	908	0.01%	0.000%
3	3.378	3.347	3.473	PV	387635	3261944	34.72%	1.780%
4	3.504	3.473	3.519	VV	378	8403	0.09%	0.005%
5	3.530	3.519	3.545	VV	459	4764	0.05%	0.003%
6	3.558	3.545	3.569	VV	226	2790	0.03%	0.002%
7	3.581	3.569	3.608	VV	269	3647	0.04%	0.002%
8	3.620	3.608	3.633	VV	227	2443	0.03%	0.001%
9	3.657	3.633	3.667	VV	261	4620	0.05%	0.003%
10	3.688	3.667	3.720	VV	693	13319	0.14%	0.007%
11	3.734	3.720	3.748	VV	775	8508	0.09%	0.005%
12	3.768	3.748	3.837	VV	7777	72853	0.78%	0.040%
13	3.865	3.837	3.911	VV	6033	59381	0.63%	0.032%
14	3.926	3.911	3.935	VV	337	3612	0.04%	0.002%
15	3.951	3.935	4.004	VV	500	11929	0.13%	0.007%
16	4.052	4.004	4.071	VV	546	11420	0.12%	0.006%
17	4.076	4.071	4.121	VV	418	6740	0.07%	0.004%
18	4.144	4.121	4.162	VV	377	5428	0.06%	0.003%
19	4.229	4.162	4.248	VV	404	13743	0.15%	0.008%
20	4.258	4.248	4.268	VV	291	3103	0.03%	0.002%
21	4.290	4.268	4.333	VV	285	6879	0.07%	0.004%
22	4.368	4.333	4.388	PV	219	5651	0.06%	0.003%
23	4.393	4.388	4.420	VV	206	3282	0.03%	0.002%
24	4.451	4.420	4.473	VV	416550	3739138	39.80%	2.041%
25	4.495	4.473	4.540	VV	479417	4265137	45.40%	2.328%
26	4.556	4.540	4.580	VV	4816	55316	0.59%	0.030%
27	4.603	4.580	4.658	VV	7336	84732	0.90%	0.046%
28	4.668	4.658	4.724	VV	429	12052	0.13%	0.007%
29	4.734	4.724	4.775	VV	294	6631	0.07%	0.004%
30	4.784	4.775	4.860	VV	257	7946	0.08%	0.004%
31	4.870	4.860	4.894	VV	121	2233	0.02%	0.001%
32	4.906	4.894	4.964	VV	156	4074	0.04%	0.002%
33	4.971	4.964	5.034	VV	123	3896	0.04%	0.002%
34	5.042	5.034	5.059	VV	163	2009	0.02%	0.001%
35	5.107	5.059	5.119	PV	191	4310	0.05%	0.002%
36	5.129	5.119	5.174	VV	177	3245	0.03%	0.002%

rteres

37	5.182	5.174	5.188	VV	124	741	0.01%	0.000%
38	5.196	5.188	5.243	VV	138	2486	0.03%	0.001%
39	5.259	5.243	5.268	VV	112	1124	0.01%	0.001%
40	5.278	5.268	5.288	VV	100	969	0.01%	0.001%
41	5.312	5.288	5.361	VV	327	6660	0.07%	0.004%
42	5.391	5.361	5.403	VV	109	2027	0.02%	0.001%
43	5.488	5.403	5.511	VV	1433	17259	0.18%	0.009%
44	5.527	5.511	5.564	VV	549	10112	0.11%	0.006%
45	5.603	5.564	5.634	VV	227	6765	0.07%	0.004%
46	5.647	5.634	5.706	VV	172	3992	0.04%	0.002%
47	5.741	5.706	5.774	VV	159	4057	0.04%	0.002%
48	5.788	5.774	5.813	VV	252	3002	0.03%	0.002%
49	5.835	5.813	5.891	VV	258	6125	0.07%	0.003%
50	5.899	5.891	5.911	VV	171	1246	0.01%	0.001%
51	5.923	5.911	5.971	VV	185	3772	0.04%	0.002%
52	5.991	5.971	6.014	VV	168	2587	0.03%	0.001%
53	6.045	6.014	6.171	VV	515090	4863739	51.77%	2.654%
54	6.189	6.171	6.254	VV	719	21974	0.23%	0.012%
55	6.264	6.254	6.305	VV	328	7747	0.08%	0.004%
56	6.321	6.305	6.388	VV	500	14945	0.16%	0.008%
57	6.411	6.388	6.438	VV	323	7526	0.08%	0.004%
58	6.473	6.438	6.533	VV	451235	4308019	45.85%	2.351%
59	6.549	6.533	6.604	VV	897	20549	0.22%	0.011%
60	6.621	6.604	6.664	VV	426	10513	0.11%	0.006%
61	6.677	6.664	6.703	VV	535	7935	0.08%	0.004%
62	6.723	6.703	6.744	VV	549	8536	0.09%	0.005%
63	6.762	6.744	6.785	VV	322	5889	0.06%	0.003%
64	6.793	6.785	6.849	VV	234	6400	0.07%	0.003%
65	6.893	6.849	6.934	VV	311	11098	0.12%	0.006%
66	6.957	6.934	6.986	VV	3750	55385	0.59%	0.030%
67	7.009	6.986	7.063	VV	12599	140487	1.50%	0.077%
68	7.104	7.063	7.219	VV	469323	4663174	49.63%	2.545%
69	7.239	7.219	7.273	VV	1673	31760	0.34%	0.017%
70	7.294	7.273	7.347	VV	2539	56173	0.60%	0.031%
71	7.369	7.347	7.382	VV	1215	16605	0.18%	0.009%
72	7.398	7.382	7.426	VV	1402	19147	0.20%	0.010%
73	7.462	7.426	7.480	VV	705	14855	0.16%	0.008%
74	7.490	7.480	7.513	VV	518	7030	0.07%	0.004%
75	7.525	7.513	7.552	VV	272	4998	0.05%	0.003%
76	7.576	7.552	7.601	VV	776	12030	0.13%	0.007%
77	7.614	7.601	7.664	VV	357	10545	0.11%	0.006%
78	7.817	7.791	7.844	VV	1016	29478	0.31%	0.016%
79	7.851	7.844	7.924	VV	922	25766	0.27%	0.014%
80	7.965	7.946	7.992	VV	569	11521	0.12%	0.006%
81	8.021	7.992	8.102	VV	623	21476	0.23%	0.012%
82	8.131	8.102	8.148	VV	278	6148	0.07%	0.003%
83	8.172	8.148	8.201	VV	393	9541	0.10%	0.005%
84	8.273	8.201	8.336	VV	474827	4811149	51.21%	2.626%
85	8.348	8.336	8.354	VV	473	4363	0.05%	0.002%
86	8.389	8.354	8.553	VV	531467	5467224	58.19%	2.984%
87	8.687	8.653	8.863	VV	548368	5513313	58.68%	3.009%
88	8.904	8.863	8.936	VV	404	13719	0.15%	0.007%
89	8.963	8.936	8.984	VV	750	14505	0.15%	0.008%

rteres

90	8.992	8.984	9.067	VV	568	16088	0.17%	0.009%
91	9.093	9.067	9.126	VV	1108	17898	0.19%	0.010%
92	9.150	9.126	9.185	VV	382	9827	0.10%	0.005%
93	9.195	9.185	9.261	VV	341	8857	0.09%	0.005%
94	9.280	9.261	9.317	VV	257	5301	0.06%	0.003%
95	9.338	9.317	9.358	VV	275	3683	0.04%	0.002%
96	9.375	9.358	9.418	PV	132	3001	0.03%	0.002%
97	9.472	9.418	9.584	VV	527956	5623264	59.85%	3.069%
98	9.588	9.584	9.611	VV	491	7105	0.08%	0.004%
99	9.620	9.611	9.640	VV	449	7272	0.08%	0.004%
100	9.683	9.640	9.721	VV	7412	106204	1.13%	0.058%
101	9.747	9.721	9.838	VV	29502	378711	4.03%	0.207%
102	9.874	9.838	9.909	VV	472259	5114102	54.43%	2.791%
103	9.918	9.909	9.958	VV	855	16518	0.18%	0.009%
104	9.974	9.958	10.078	VV	521	18479	0.20%	0.010%
105	10.098	10.078	10.132	VV	1234	15013	0.16%	0.008%
106	10.159	10.132	10.191	VV	440	6970	0.07%	0.004%
107	10.219	10.191	10.245	VV	3544	41180	0.44%	0.022%
108	10.263	10.245	10.277	VV	351	5002	0.05%	0.003%
109	10.286	10.277	10.299	VV	217	2360	0.03%	0.001%
110	10.318	10.299	10.342	VV	348	5465	0.06%	0.003%
111	10.358	10.342	10.380	VV	194	3062	0.03%	0.002%
112	10.395	10.380	10.454	PV	229	5183	0.06%	0.003%
113	10.469	10.454	10.481	VV	432	3043	0.03%	0.002%
114	10.487	10.481	10.510	VV	233	3881	0.04%	0.002%
115	10.532	10.510	10.557	VV	352	7046	0.07%	0.004%
116	10.569	10.557	10.593	VV	299	5028	0.05%	0.003%
117	10.611	10.593	10.645	VV	444	7784	0.08%	0.004%
118	10.679	10.645	10.761	VV	3946	59433	0.63%	0.032%
119	10.770	10.761	10.782	VV	138	1146	0.01%	0.001%
120	10.792	10.782	10.799	VV	93	714	0.01%	0.000%
121	10.877	10.799	10.918	VV	490998	5387166	57.34%	2.940%
122	10.953	10.918	11.092	VV	490767	5403180	57.51%	2.949%
123	11.119	11.092	11.154	VV	3024	42237	0.45%	0.023%
124	11.176	11.154	11.228	VV	2554	45868	0.49%	0.025%
125	11.246	11.228	11.271	VV	728	12773	0.14%	0.007%
126	11.319	11.271	11.381	VV	448512	5142620	54.74%	2.807%
127	11.402	11.381	11.458	VV	640	16151	0.17%	0.009%
128	11.480	11.458	11.495	VV	474	6290	0.07%	0.003%
129	11.512	11.495	11.544	VV	298	5325	0.06%	0.003%
130	11.574	11.544	11.585	VV	180	2872	0.03%	0.002%
131	11.641	11.585	11.698	VV	468702	5109563	54.38%	2.789%
132	11.712	11.698	11.725	VV	809	11131	0.12%	0.006%
133	11.736	11.725	11.756	VV	813	11438	0.12%	0.006%
134	11.797	11.756	11.818	VV	1141	30216	0.32%	0.016%
135	11.829	11.818	11.844	VV	624	7839	0.08%	0.004%
136	11.861	11.844	11.896	VV	610	10130	0.11%	0.006%
137	11.919	11.896	11.942	VV	210	4131	0.04%	0.002%
138	11.981	11.942	12.024	VV	506	13900	0.15%	0.008%
139	12.048	12.024	12.064	VV	494	8616	0.09%	0.005%
140	12.079	12.064	12.129	VV	679	9628	0.10%	0.005%
141	12.160	12.129	12.188	PV	228	3920	0.04%	0.002%

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142	12.203	12.188	12.214	VV	176	2082	0.02%	0.001%
143	12.238	12.214	12.300	VV	4092	67361	0.72%	0.037%
144	12.344	12.300	12.408	VV	1330	46195	0.49%	0.025%
145	12.452	12.408	12.505	VV	1223	27982	0.30%	0.015%
146	12.533	12.505	12.546	VV	390	6209	0.07%	0.003%
147	12.574	12.546	12.591	VV	674	13826	0.15%	0.008%
148	12.630	12.591	12.663	VV	416001	5067330	53.93%	2.766%
149	12.700	12.663	12.814	VV	470496	5180055	55.13%	2.827%
150	12.835	12.814	12.858	VV	851	13331	0.14%	0.007%
151	12.882	12.858	12.920	VV	5320	65503	0.70%	0.036%
152	12.940	12.920	12.959	VV	386	6640	0.07%	0.004%
153	13.000	12.959	13.038	VV	447938	5066253	53.92%	2.765%
154	13.075	13.038	13.148	VV	351833	4233763	45.06%	2.311%
155	13.181	13.148	13.204	VV	555	12702	0.14%	0.007%
156	13.242	13.204	13.321	VV	390053	4954140	52.73%	2.704%
157	13.336	13.321	13.375	VV	255	5765	0.06%	0.003%
158	13.419	13.375	13.431	VV	209	5272	0.06%	0.003%
159	13.455	13.431	13.501	VV	539	11588	0.12%	0.006%
160	13.588	13.501	13.606	VV	961	19110	0.20%	0.010%
161	13.618	13.606	13.637	VV	616	7940	0.08%	0.004%
162	13.668	13.637	13.686	VV	1020	17574	0.19%	0.010%
163	13.695	13.686	13.721	VV	580	8636	0.09%	0.005%
164	13.740	13.721	13.758	VV	569	8712	0.09%	0.005%
165	13.777	13.758	13.791	VV	821	11858	0.13%	0.006%
166	13.829	13.791	13.895	VV	390753	4848383	51.60%	2.646%
167	13.907	13.895	13.932	VV	555	8625	0.09%	0.005%
168	13.955	13.932	13.987	VV	1070	16148	0.17%	0.009%
169	14.009	13.987	14.121	VV	658	18552	0.20%	0.010%
170	14.125	14.121	14.141	VV	112	919	0.01%	0.001%
171	14.151	14.141	14.159	VV	107	795	0.01%	0.000%
172	14.223	14.159	14.244	PV	785	15118	0.16%	0.008%
173	14.264	14.244	14.314	VV	971	19356	0.21%	0.011%
174	14.331	14.314	14.361	VV	524	9153	0.10%	0.005%
175	14.391	14.361	14.440	VV	1026	20888	0.22%	0.011%
176	14.455	14.440	14.478	VV	337	5697	0.06%	0.003%
177	14.501	14.478	14.541	VV	555	13565	0.14%	0.007%
178	14.565	14.541	14.601	VV	855	15888	0.17%	0.009%
179	14.624	14.601	14.661	VV	475	12350	0.13%	0.007%
180	14.672	14.661	14.707	VV	199	4741	0.05%	0.003%
181	14.780	14.707	14.806	VV	419	14588	0.16%	0.008%
182	14.833	14.806	14.841	VV	581	7189	0.08%	0.004%
183	14.881	14.841	14.901	VV	360860	4658970	49.59%	2.543%
184	14.928	14.901	15.021	VV	685650	9395479	100.00%	5.128%
185	15.040	15.021	15.088	VV	1021	27050	0.29%	0.015%
186	15.107	15.088	15.165	VV	597	15921	0.17%	0.009%
187	15.230	15.165	15.271	VV	704	18908	0.20%	0.010%
188	15.312	15.271	15.391	VV	11810	215905	2.30%	0.118%
189	15.408	15.391	15.428	VV	331	5835	0.06%	0.003%
190	15.451	15.428	15.491	VV	1874	32585	0.35%	0.018%
191	15.512	15.491	15.536	VV	543	9479	0.10%	0.005%
192	15.553	15.536	15.578	VV	971	14143	0.15%	0.008%
193	15.587	15.578	15.613	VV	478	6729	0.07%	0.004%
194	15.641	15.613	15.667	VV	499	7397	0.08%	0.004%

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195	15.714	15.667	15.764	VV	547	16235	0.17%	0.009%
196	15.782	15.764	15.801	VV	215	3832	0.04%	0.002%
197	15.830	15.801	15.861	VV	519	9220	0.10%	0.005%
198	15.957	15.861	16.034	VV	332940	4414985	46.99%	2.410%
199	16.046	16.034	16.064	VV	190	2593	0.03%	0.001%
200	16.079	16.064	16.106	VV	135	2219	0.02%	0.001%
201	16.156	16.106	16.211	PV	773	14876	0.16%	0.008%
202	16.229	16.211	16.238	PV	222	2334	0.02%	0.001%
203	16.262	16.238	16.280	VV	308	5654	0.06%	0.003%
204	16.332	16.280	16.369	VV	1144	27049	0.29%	0.015%
205	16.442	16.369	16.459	VV	321043	4528270	48.20%	2.471%
206	16.477	16.459	16.544	VV	383618	4555800	48.49%	2.486%
207	16.570	16.544	16.662	VV	10466	169598	1.81%	0.093%
208	16.692	16.662	16.718	VV	2120	33412	0.36%	0.018%
209	16.759	16.718	16.783	VV	2577	49537	0.53%	0.027%
210	16.825	16.783	16.867	VV	335061	4375296	46.57%	2.388%
211	16.906	16.867	17.015	VV	310639	4322323	46.00%	2.359%
212	17.072	17.015	17.105	VV	372	13904	0.15%	0.008%
213	17.114	17.105	17.150	VV	138	3224	0.03%	0.002%
214	17.189	17.150	17.224	VV	540	14034	0.15%	0.008%
215	17.243	17.224	17.253	VV	308	4661	0.05%	0.003%
216	17.279	17.253	17.299	VV	561	11165	0.12%	0.006%
217	17.354	17.299	17.391	VV	8609	130677	1.39%	0.071%
218	17.439	17.391	17.464	VV	373	9349	0.10%	0.005%
219	17.482	17.464	17.498	VV	338	4849	0.05%	0.003%
220	17.522	17.498	17.563	VV	350	5556	0.06%	0.003%
221	17.578	17.563	17.591	PV	170	2001	0.02%	0.001%
222	17.685	17.591	17.710	VV	913	18375	0.20%	0.010%
223	17.796	17.710	17.861	VV	292381	4080233	43.43%	2.227%
224	17.884	17.861	17.934	VV	873	16863	0.18%	0.009%
225	17.995	17.934	18.041	VV	407	13972	0.15%	0.008%
226	18.063	18.041	18.081	VV	315	4769	0.05%	0.003%
227	18.101	18.081	18.113	PV	494	7263	0.08%	0.004%
228	18.200	18.113	18.216	VV	298994	4375345	46.57%	2.388%
229	18.237	18.216	18.379	VV	319380	4387886	46.70%	2.395%
230	18.387	18.379	18.411	VV	764	12731	0.14%	0.007%
231	18.457	18.411	18.553	VV	299417	4274364	45.49%	2.333%
232	18.628	18.553	18.695	VV	275464	3989656	42.46%	2.177%
233	18.728	18.695	18.755	VV	870	18333	0.20%	0.010%
234	18.785	18.755	18.817	VV	338	7949	0.08%	0.004%
235	18.883	18.817	18.907	PV	817	15246	0.16%	0.008%
236	18.938	18.907	18.954	VV	597	12181	0.13%	0.007%
237	18.987	18.954	18.997	VV	2635	41970	0.45%	0.023%
238	19.022	18.997	19.077	VV	13228	220181	2.34%	0.120%
239	19.106	19.077	19.154	VV	637	21554	0.23%	0.012%
240	19.225	19.154	19.243	VV	841	26785	0.29%	0.015%
241	19.272	19.243	19.298	VV	1328	27561	0.29%	0.015%
242	19.318	19.298	19.352	VV	1028	22796	0.24%	0.012%
243	19.413	19.352	19.499	VV	254128	3929797	41.83%	2.145%
244	19.519	19.499	19.546	VV	1651	38964	0.41%	0.021%
245	19.652	19.546	19.665	VV	2058	115822	1.23%	0.063%
246	19.696	19.665	19.725	VV	2700	78856	0.84%	0.043%

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247	19.785	19.725	19.818	VV	11136	243378	2.59%	0.133%
248	19.844	19.818	19.861	VV	2346	56797	0.60%	0.031%
249	20.013	19.861	20.041	VV	4263	318793	3.39%	0.174%
250	20.061	20.041	20.088	VV	4025	103698	1.10%	0.057%
251	20.153	20.088	20.238	VV	241397	3862980	41.12%	2.108%
252	20.314	20.238	20.334	VV	7363	331756	3.53%	0.181%
253	20.378	20.334	20.456	VV	8135	472792	5.03%	0.258%
254	20.466	20.456	20.471	VV	4992	44684	0.48%	0.024%
255	20.510	20.471	20.567	VV	9748	363745	3.87%	0.199%
256	20.588	20.567	20.640	VV	4942	210235	2.24%	0.115%
257	20.691	20.640	20.726	VV	5084	250120	2.66%	0.137%
258	20.756	20.726	20.788	VV	4783	171294	1.82%	0.093%
259	20.811	20.788	20.851	VV	4629	168266	1.79%	0.092%
260	20.910	20.851	21.000	VV	198879	3778083	40.21%	2.062%
261	21.010	21.000	21.034	VV	4105	84118	0.90%	0.046%
262	21.079	21.034	21.103	VV	4042	162647	1.73%	0.089%
263	21.114	21.103	21.157	VV	3923	121477	1.29%	0.066%
264	21.186	21.157	21.205	VV	3692	104746	1.11%	0.057%
265	21.235	21.205	21.300	VV	3750	203275	2.16%	0.111%
266	21.353	21.300	21.423	VV	5069	273410	2.91%	0.149%
267	21.434	21.423	21.447	VV	3099	43773	0.47%	0.024%
268	21.473	21.447	21.524	VV	3073	133504	1.42%	0.073%
269	21.532	21.524	21.544	VV	2770	33996	0.36%	0.019%
270	21.585	21.544	21.636	VV	2722	141771	1.51%	0.077%
271	21.664	21.636	21.721	VV	2484	118891	1.27%	0.065%
272	21.861	21.721	22.001	VV	129902	3619575	38.52%	1.975%
273	22.076	22.001	22.242	VV	1783	154854	1.65%	0.085%
274	22.250	22.242	22.328	VV	524	18561	0.20%	0.010%
275	22.338	22.328	22.349	VV	202	1904	0.02%	0.001%
276	22.354	22.349	22.374	VV	124	972	0.01%	0.001%

Sum of corrected areas: 183230043

Aliphatic EPH 100725.M Wed Oct 29 08:14:48 2025

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

Manual Integration Report

Sequence:	FC100725AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
10 PPM ALIPHATIC HC	FC069940.D	n-Tetratriacontane (C34)	yogesh	10/7/2025 10:33:24 AM	mohammad	10/8/2025 3:35:18	Peak Integrated by Software

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

Manual Integration Report

Sequence:	FC102825AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FC070069.D	n-Dotriacontane (C32)	yogesh	10/29/2025 8:59:43 AM	Sohil	10/29/2025 4:08:32	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC070069.D	n-Tetratriacontane (C34)	yogesh	10/29/2025 8:59:43 AM	Sohil	10/29/2025 4:08:32	Peak Integrated by Software

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

Manual Integration Report

Sequence:	FE101725AL	Instrument	FID_e

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

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

Manual Integration Report

Sequence:	FE102825AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FE056532.D	n-Dotriacontane (C32)	yogesh	10/29/2025 8:33:32 AM	Sohil	10/29/2025 4:07:42	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE056532.D	n-Octacosane (C28)	yogesh	10/29/2025 8:33:32 AM	Sohil	10/29/2025 4:07:42	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE056532.D	n-Octatriacontane (C38)	yogesh	10/29/2025 8:33:32 AM	Sohil	10/29/2025 4:07:42	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE056532.D	n-Tetracontane (C40)	yogesh	10/29/2025 8:33:32 AM	Sohil	10/29/2025 4:07:42	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE056535.D	n-Dotriacontane (C32)	yogesh	10/29/2025 8:33:34 AM	Sohil	10/29/2025 4:07:44	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE056535.D	n-Octacosane (C28)	yogesh	10/29/2025 8:33:34 AM	Sohil	10/29/2025 4:07:44	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE056535.D	n-Octatriacontane (C38)	yogesh	10/29/2025 8:33:34 AM	Sohil	10/29/2025 4:07:44	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE056535.D	n-Tetracontane (C40)	yogesh	10/29/2025 8:33:34 AM	Sohil	10/29/2025 4:07:44	Peak Integrated by Software
Q3452-02	FE056537.D	ortho-Terphenyl (SURR)	yogesh	10/29/2025 8:33:35 AM	Sohil	10/29/2025 4:07:45	Peak Integrated by Software
Q3465-01	FE056538.D	ortho-Terphenyl (SURR)	yogesh	10/29/2025 8:33:37 AM	Sohil	10/29/2025 4:07:47	Peak Integrated by Software
Q3465-02	FE056539.D	ortho-Terphenyl (SURR)	yogesh	10/29/2025 8:33:38 AM	Sohil	10/29/2025 4:07:49	Peak Integrated by Software
Q3472-12	FE056547.D	ortho-Terphenyl (SURR)	yogesh	10/29/2025 8:33:40 AM	Sohil	10/29/2025 4:07:51	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE056550.D	n-Dotriacontane (C32)	yogesh	10/29/2025 8:33:42 AM	Sohil	10/29/2025 4:07:53	Peak Integrated by Software

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Manual Integration Report

Sequence:	FE102825AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FE056550.D	n-Octacosane (C28)	yogesh	10/29/2025 8:33:42 AM	Sohil	10/29/2025 4:07:53	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE056550.D	n-Octatriacontane (C38)	yogesh	10/29/2025 8:33:42 AM	Sohil	10/29/2025 4:07:53	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE056550.D	n-Tetracontane (C40)	yogesh	10/29/2025 8:33:42 AM	Sohil	10/29/2025 4:07:53	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC100725AL

Review By	yogesh	Review On	10/7/2025 10:33:30 AM		
Supervise By	mohammad	Supervise On	10/8/2025 3:35:18 AM		
SubDirectory	FC100725AL	HP Acquire Method		HP Processing Method	FC100725AL

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	FC069935.D	06 Oct 2025 14:47	YP/AJ	Ok
2	I.BLK	FC069936.D	06 Oct 2025 15:31	YP/AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FC069937.D	06 Oct 2025 16:17	YP/AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FC069938.D	06 Oct 2025 17:03	YP/AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FC069939.D	06 Oct 2025 17:50	YP/AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FC069940.D	06 Oct 2025 18:35	YP/AJ	Ok,M
7	5 PPM ALIPHATIC HC STD5	FC069941.D	06 Oct 2025 19:19	YP/AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FC069942.D	06 Oct 2025 20:02	YP/AJ	Ok
9	I.BLK	FC069943.D	06 Oct 2025 21:29	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC069944.D	06 Oct 2025 22:12	YP/AJ	Ok

M : Manual Integration

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC102825AL

Review By	yogesh	Review On	10/28/2025 11:27:07 AM		
Supervise By	Sohil	Supervise On	10/29/2025 4:08:37 PM		
SubDirectory	FC102825AL	HP Acquire Method		HP Processing Method	FC100725AL

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	FC070057.D	28 Oct 2025 08:33	YP/AJ	Ok
2	I.BLK	FC070058.D	28 Oct 2025 11:20	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC070059.D	28 Oct 2025 11:59	YP/AJ	Ok
4	PB170266BL	FC070060.D	28 Oct 2025 13:19	YP/AJ	Ok
5	PB170266BS	FC070061.D	28 Oct 2025 13:58	YP/AJ	Ok
6	PB170266BSD	FC070062.D	28 Oct 2025 14:38	YP/AJ	Ok
7	Q3469-01	FC070063.D	28 Oct 2025 15:18	YP/AJ	Ok
8	Q3469-01D	FC070064.D	28 Oct 2025 15:59	YP/AJ	Ok
9	Q3469-01MS	FC070065.D	28 Oct 2025 16:39	YP/AJ	Ok
10	Q3469-01MSD	FC070066.D	28 Oct 2025 17:20	YP/AJ	Ok
11	Q3469-02	FC070067.D	28 Oct 2025 18:01	YP/AJ	Ok
12	I.BLK	FC070068.D	28 Oct 2025 19:22	YP/AJ	Ok
13	20 PPM ALIPHATIC HC STD	FC070069.D	28 Oct 2025 20:03	YP/AJ	Ok,M

M : Manual Integration

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 # FE101725AL

Review By	yogesh	Review On	10/16/2025 2:50:14 PM		
Supervise By	Sohil	Supervise On	10/17/2025 1:12:44 PM		
SubDirectory	FE101725AL	HP Acquire Method		HP Processing Method	FE101725AL

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	FE056349.D	16 Oct 2025 16:29	YP\AJ	Ok
2	I.BLK	FE056350.D	16 Oct 2025 16:59	YP\AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FE056351.D	16 Oct 2025 17:30	YP\AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FE056352.D	16 Oct 2025 18:00	YP\AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FE056353.D	16 Oct 2025 18:30	YP\AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FE056354.D	16 Oct 2025 19:00	YP\AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FE056355.D	16 Oct 2025 19:31	YP\AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FE056356.D	16 Oct 2025 20:01	YP\AJ	Ok
9	I.BLK	FE056357.D	16 Oct 2025 21:01	YP\AJ	Ok
10	20 PPM ALIPHATIC HC STD	FE056358.D	16 Oct 2025 21:32	YP\AJ	Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE102825AL

Review By	yogesh	Review On	10/28/2025 10:23:15 AM		
Supervise By	Sohil	Supervise On	10/29/2025 4:08:02 PM		
SubDirectory	FE102825AL	HP Acquire Method		HP Processing Method	FE101725AL

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	FE056530.D	28 Oct 2025 08:07	YP\AJ	Ok
2	I.BLK	FE056531.D	28 Oct 2025 08:37	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE056532.D	28 Oct 2025 09:08	YP\AJ	Ok,M
4	PP25012	FE056533.D	28 Oct 2025 09:45	YP\AJ	Ok
5	I.BLK	FE056534.D	28 Oct 2025 11:49	YP\AJ	Ok
6	20 PPM ALIPHATIC HC STD	FE056535.D	28 Oct 2025 12:49	YP\AJ	Ok,M
7	Q3452-01	FE056536.D	28 Oct 2025 13:24	YP\AJ	Ok
8	Q3452-02	FE056537.D	28 Oct 2025 13:54	YP\AJ	Ok,M
9	Q3465-01	FE056538.D	28 Oct 2025 14:24	YP\AJ	Ok,M
10	Q3465-02	FE056539.D	28 Oct 2025 14:54	YP\AJ	Ok,M
11	Q3466-02	FE056540.D	28 Oct 2025 15:24	YP\AJ	Ok
12	Q3466-05	FE056541.D	28 Oct 2025 15:55	YP\AJ	ReRun
13	Q3466-07	FE056542.D	28 Oct 2025 16:25	YP\AJ	Ok
14	Q3472-04DL	FE056543.D	28 Oct 2025 16:55	YP\AJ	Ok
15	Q3472-06	FE056544.D	28 Oct 2025 17:25	YP\AJ	Dilution
16	Q3472-08	FE056545.D	28 Oct 2025 17:55	YP\AJ	Dilution
17	Q3472-10	FE056546.D	28 Oct 2025 18:26	YP\AJ	Dilution
18	Q3472-12	FE056547.D	28 Oct 2025 18:56	YP\AJ	Dilution
19	Q3472-14	FE056548.D	28 Oct 2025 19:26	YP\AJ	Dilution
20	I.BLK	FE056549.D	28 Oct 2025 20:57	YP\AJ	Ok
21	20 PPM ALIPHATIC HC STD	FE056550.D	28 Oct 2025 21:27	YP\AJ	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC100725AL

Review By	yogesh	Review On	10/7/2025 10:33:30 AM		
Supervise By	mohammad	Supervise On	10/8/2025 3:35:18 AM		
SubDirectory	FC100725AL	HP Acquire Method		HP Processing Method	FC100725AL

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	FC069935.D	06 Oct 2025 14:47		YP/AJ	Ok
2	I.BLK	I.BLK	FC069936.D	06 Oct 2025 15:31		YP/AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FC069937.D	06 Oct 2025 16:17		YP/AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FC069938.D	06 Oct 2025 17:03		YP/AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069939.D	06 Oct 2025 17:50		YP/AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FC069940.D	06 Oct 2025 18:35		YP/AJ	Ok,M
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FC069941.D	06 Oct 2025 19:19		YP/AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069942.D	06 Oct 2025 20:02		YP/AJ	Ok
9	I.BLK	I.BLK	FC069943.D	06 Oct 2025 21:29		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069944.D	06 Oct 2025 22:12		YP/AJ	Ok

M : Manual Integration

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC102825AL

Review By	yogesh	Review On	10/28/2025 11:27:07 AM		
Supervise By	Sohil	Supervise On	10/29/2025 4:08:37 PM		
SubDirectory	FC102825AL	HP Acquire Method		HP Processing Method	FC100725AL

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	FC070057.D	28 Oct 2025 08:33		YP/AJ	Ok
2	I.BLK	I.BLK	FC070058.D	28 Oct 2025 11:20		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC070059.D	28 Oct 2025 11:59		YP/AJ	Ok
4	PB170266BL	PB170266BL	FC070060.D	28 Oct 2025 13:19		YP/AJ	Ok
5	PB170266BS	PB170266BS	FC070061.D	28 Oct 2025 13:58		YP/AJ	Ok
6	PB170266BSD	PB170266BSD	FC070062.D	28 Oct 2025 14:38		YP/AJ	Ok
7	Q3469-01	TP-13	FC070063.D	28 Oct 2025 15:18		YP/AJ	Ok
8	Q3469-01D	Q3469-01D	FC070064.D	28 Oct 2025 15:59		YP/AJ	Ok
9	Q3469-01MS	TP-13MS	FC070065.D	28 Oct 2025 16:39	FC070063.D	YP/AJ	Ok
10	Q3469-01MSD	TP-13MSD	FC070066.D	28 Oct 2025 17:20	FC070063.D!FC070065.D	YP/AJ	Ok
11	Q3469-02	TP-13-EPH	FC070067.D	28 Oct 2025 18:01		YP/AJ	Ok
12	I.BLK	I.BLK	FC070068.D	28 Oct 2025 19:22		YP/AJ	Ok
13	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC070069.D	28 Oct 2025 20:03		YP/AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE101725AL

Review By	yogesh	Review On	10/16/2025 2:50:14 PM		
Supervise By	Sohil	Supervise On	10/17/2025 1:12:44 PM		
SubDirectory	FE101725AL	HP Acquire Method		HP Processing Method	FE101725AL

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	FE056349.D	16 Oct 2025 16:29		YP\AJ	Ok
2	I.BLK	I.BLK	FE056350.D	16 Oct 2025 16:59		YP\AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FE056351.D	16 Oct 2025 17:30		YP\AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FE056352.D	16 Oct 2025 18:00		YP\AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056353.D	16 Oct 2025 18:30		YP\AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FE056354.D	16 Oct 2025 19:00		YP\AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FE056355.D	16 Oct 2025 19:31		YP\AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056356.D	16 Oct 2025 20:01		YP\AJ	Ok
9	I.BLK	I.BLK	FE056357.D	16 Oct 2025 21:01		YP\AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056358.D	16 Oct 2025 21:32		YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE102825AL

Review By	yogesh	Review On	10/28/2025 10:23:15 AM		
Supervise By	Sohil	Supervise On	10/29/2025 4:08:02 PM		
SubDirectory	FE102825AL	HP Acquire Method		HP Processing Method	FE101725AL

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	FE056530.D	28 Oct 2025 08:07		YP\AJ	Ok
2	I.BLK	I.BLK	FE056531.D	28 Oct 2025 08:37		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056532.D	28 Oct 2025 09:08		YP\AJ	Ok,M
4	PP25012	PP25012	FE056533.D	28 Oct 2025 09:45		YP\AJ	Ok
5	I.BLK	I.BLK	FE056534.D	28 Oct 2025 11:49		YP\AJ	Ok
6	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056535.D	28 Oct 2025 12:49		YP\AJ	Ok,M
7	Q3452-01	JB-1	FE056536.D	28 Oct 2025 13:24		YP\AJ	Ok
8	Q3452-02	JB-1-EPH	FE056537.D	28 Oct 2025 13:54		YP\AJ	Ok,M
9	Q3465-01	SU-03-10242025	FE056538.D	28 Oct 2025 14:24		YP\AJ	Ok,M
10	Q3465-02	SU-03-10242025-E2	FE056539.D	28 Oct 2025 14:54		YP\AJ	Ok,M
11	Q3466-02	B8-0.0-1.0-20251023	FE056540.D	28 Oct 2025 15:24		YP\AJ	Ok
12	Q3466-05	Q3466-05	FE056541.D	28 Oct 2025 15:55	Surrogate fail	YP\AJ	ReRun
13	Q3466-07	B7-1.0-2.0-20251023	FE056542.D	28 Oct 2025 16:25		YP\AJ	Ok
14	Q3472-04DL	COMP-1DL	FE056543.D	28 Oct 2025 16:55		YP\AJ	Ok
15	Q3472-06	COMP-2	FE056544.D	28 Oct 2025 17:25	Need Further 50X	YP\AJ	Dilution
16	Q3472-08	COMP-3	FE056545.D	28 Oct 2025 17:55	Need further 10X	YP\AJ	Dilution
17	Q3472-10	COMP-4	FE056546.D	28 Oct 2025 18:26	Need Further 50X	YP\AJ	Dilution
18	Q3472-12	COMP-5	FE056547.D	28 Oct 2025 18:56	Need Further 5X	YP\AJ	Dilution

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE102825AL

Review By	yogesh	Review On	10/28/2025 10:23:15 AM		
Supervise By	Sohil	Supervise On	10/29/2025 4:08:02 PM		
SubDirectory	FE102825AL	HP Acquire Method		HP Processing Method	FE101725AL

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	Q3472-14	155	FE056548.D	28 Oct 2025 19:26	Need Further 20X,50X	YP\AJ	Dilution
20	I.BLK	I.BLK	FE056549.D	28 Oct 2025 20:57		YP\AJ	Ok
21	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056550.D	28 Oct 2025 21:27		YP\AJ	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB170266

SOP ID: MNJDEP-EPH-8

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH

Extraction By: RJ

Balance check: EH

Filter By: RJ

Balance ID: EX-SC-2

pH Meter ID: N/A

pH Strip Lot#: N/A

Hood ID: 3,7

Extraction Start Date : 10/28/2025

Extraction Start Time : 09:05

Extraction End Date : 10/28/2025

Extraction End Time : 13:10

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	PP24941
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	EP2641
Baked Na2SO4	N/A	EP2655
Sand	N/A	E3951
Hexane	N/A	E3978
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:

Q3472 all samples used Limited volume as samples are Oily Debris.

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
10/28/25	RS (Ext lab)	R. Patel / PLB Lab
13:15	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB170266

Analytical Method: MNJDEP-EPH-8

Concentration Date: 10/28/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170266BL	PB170266BL	EPH_NF	30.01	N/A	ritesh	Evelyn	2			U1-1
PB170266BS	PB170266BS	EPH_NF	30.03	N/A	ritesh	Evelyn	2			2
PB170266BSD	PB170266BSD	EPH_NF	30.02	N/A	ritesh	Evelyn	2			3
Q3452-01	JB-1	EPH_NF	30.04	N/A	ritesh	Evelyn	2	D		4
Q3452-02	JB-1-EPH	EPH_NF	30.08	N/A	ritesh	Evelyn	2			5
Q3465-01	SU-03-10242025	EPH_NF	30.07	N/A	ritesh	Evelyn	2	E		6
Q3465-02	SU-03-10242025-E2	EPH_NF	30.02	N/A	ritesh	Evelyn	2			U2-1
Q3466-02	B8-0.0-1.0-20251023	EPH_NF	30.05	N/A	ritesh	Evelyn	2	B		2
Q3466-05	B9-0.0-1.0-20251023	EPH_NF	30.01	N/A	ritesh	Evelyn	2	A		3
Q3466-07	B7-1.0-2.0-20251023	EPH_NF	30.06	N/A	ritesh	Evelyn	2	B		4
Q3469-01	TP-13	EPH_NF	30.09	N/A	ritesh	Evelyn	2	B		5
Q3469-01DUP	TP-13DUP	EPH_NF	30.06	N/A	ritesh	Evelyn	2	B		6
Q3469-01MS	TP-13MS	EPH_NF	30.03	N/A	ritesh	Evelyn	2	B		U3-1
Q3469-01MSD	TP-13MSD	EPH_NF	30.04	N/A	ritesh	Evelyn	2	B		2
Q3469-02	TP-13-EPH	EPH_NF	30.05	N/A	ritesh	Evelyn	2			3
Q3472-04	COMP-1	EPH_NF	5.02	N/A	ritesh	Evelyn	2	C	Oily Debris	4
Q3472-06	COMP-2	EPH_NF	5.06	N/A	ritesh	Evelyn	2	B	Oily Debris	5
Q3472-08	COMP-3	EPH_NF	5.07	N/A	ritesh	Evelyn	2	B	Oily Debris	6
Q3472-10	COMP-4	EPH_NF	5.05	N/A	ritesh	Evelyn	2	B	Oily Debris	U4-1
Q3472-12	COMP-5	EPH_NF	5.03	N/A	ritesh	Evelyn	2	B	Oily Debris	2
Q3472-14	155	EPH_NF	5.04	N/A	ritesh	Evelyn	2	B	Oily Debris	3

RS 10/28

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

1702669:05

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3465 **WorkList ID :** 192724 **Department :** Extraction **Date :** 10-28-2025 08:33:47

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3452-01	JB-1	Solid	EPH_NF	Cool 4 deg C	PSEG03	D31	10/24/2025	NJEPH
Q3452-02	JB-1-EPH	Solid	EPH_NF	Cool 4 deg C	PSEG03	D31	10/24/2025	NJEPH
Q3465-01	SU-03-10242025	Solid	EPH_NF	Cool 4 deg C	PSEG05	D31	10/24/2025	NJEPH
Q3465-02	SU-03-10242025-E2	Solid	EPH_NF	Cool 4 deg C	PSEG05	D31	10/24/2025	NJEPH
Q3466-02	B8-0.0-1.0-20251023	Solid	EPH_NF	Cool 4 deg C	HDRI08	D41	10/23/2025	NJEPH
Q3466-05	B9-0.0-1.0-20251023	Solid	EPH_NF	Cool 4 deg C	HDRI08	D41	10/23/2025	NJEPH
Q3466-07	B7-1.0-2.0-20251023	Solid	EPH_NF	Cool 4 deg C	HDRI08	D41	10/23/2025	NJEPH
Q3469-01	TP-13	Solid	EPH_NF	Cool 4 deg C	PSEG03	D41	10/25/2025	NJEPH
Q3469-02	TP-13-EPH	Solid	EPH_NF	Cool 4 deg C	PSEG03	D41	10/25/2025	NJEPH
Q3472-04	COMP-1	Solid	EPH_NF	Cool 4 deg C	PSEG03	D41	10/27/2025	NJEPH
Q3472-06	COMP-2	Solid	EPH_NF	Cool 4 deg C	PSEG03	D41	10/27/2025	NJEPH
Q3472-08	COMP-3	Solid	EPH_NF	Cool 4 deg C	PSEG03	D41	10/27/2025	NJEPH
Q3472-10	COMP-4	Solid	EPH_NF	Cool 4 deg C	PSEG03	D41	10/27/2025	NJEPH
Q3472-12	COMP-5	Solid	EPH_NF	Cool 4 deg C	PSEG03	D41	10/27/2025	NJEPH
Q3472-14	155	Solid	EPH_NF	Cool 4 deg C	PSEG03	D41	10/27/2025	NJEPH

Date/Time 10/28/25 9:00
Raw Sample Received by: RJ (Ext-Lab)
Raw Sample Relinquished by:

Date/Time 10/28/25 9:30
Raw Sample Received by:
Raw Sample Relinquished by: RJ (Ext-Lab)

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LAB CHRONICLE

OrderID:	Q3466	**OrderDate:**	10/24/2025 3:18:10 PM
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
Q3466-02	**B8-0.0-1.0-20251023**	**SOIL**			**10/23/25**			**10/24/25**
			PCB	8082A		10/28/25	10/28/25	
			Pesticide-TCL	8081B		10/28/25	10/28/25	
			EPH_NF	NJEPH		10/28/25	10/28/25	
Q3466-05	**B9-0.0-1.0-20251023**	**SOIL**			**10/23/25**			**10/24/25**
			PCB	8082A		10/28/25	10/28/25	
			Pesticide-TCL	8081B		10/28/25	10/28/25	
Q3466-07	**B7-1.0-2.0-20251023**	**SOIL**			**10/23/25**			**10/24/25**
			PCB	8082A		10/28/25	10/28/25	
			Pesticide-TCL	8081B		10/28/25	10/28/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3466 **Order ID:** Q3466

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

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : B8-0.0-1.0-20251023								
Q3466-02	B8-0.0-1.0-20251023	SOIL	Aluminum	5080		0.92	5.48	mg/Kg
Q3466-02	B8-0.0-1.0-20251023	SOIL	Arsenic	4.12		0.21	1.10	mg/Kg
Q3466-02	B8-0.0-1.0-20251023	SOIL	Barium	139		0.80	5.48	mg/Kg
Q3466-02	B8-0.0-1.0-20251023	SOIL	Beryllium	0.44		0.027	0.33	mg/Kg
Q3466-02	B8-0.0-1.0-20251023	SOIL	Cadmium	0.35		0.026	0.33	mg/Kg
Q3466-02	B8-0.0-1.0-20251023	SOIL	Calcium	3170		12.2	110	mg/Kg
Q3466-02	B8-0.0-1.0-20251023	SOIL	Chromium	14.3		0.051	0.55	mg/Kg
Q3466-02	B8-0.0-1.0-20251023	SOIL	Cobalt	4.43		0.11	1.64	mg/Kg
Q3466-02	B8-0.0-1.0-20251023	SOIL	Copper	40.4		0.24	1.10	mg/Kg
Q3466-02	B8-0.0-1.0-20251023	SOIL	Iron	10900		4.37	5.48	mg/Kg
Q3466-02	B8-0.0-1.0-20251023	SOIL	Lead	494		0.14	0.66	mg/Kg
Q3466-02	B8-0.0-1.0-20251023	SOIL	Magnesium	1780		13.1	110	mg/Kg
Q3466-02	B8-0.0-1.0-20251023	SOIL	Manganese	373		0.15	1.10	mg/Kg
Q3466-02	B8-0.0-1.0-20251023	SOIL	Mercury	0.27		0.0090	0.015	mg/Kg
Q3466-02	B8-0.0-1.0-20251023	SOIL	Nickel	12.0		0.14	2.19	mg/Kg
Q3466-02	B8-0.0-1.0-20251023	SOIL	Potassium	371		30.3	110	mg/Kg
Q3466-02	B8-0.0-1.0-20251023	SOIL	Silver	0.16	J	0.13	0.55	mg/Kg
Q3466-02	B8-0.0-1.0-20251023	SOIL	Sodium	194		19.5	110	mg/Kg
Q3466-02	B8-0.0-1.0-20251023	SOIL	Vanadium	19.2		0.27	2.19	mg/Kg
Q3466-02	B8-0.0-1.0-20251023	SOIL	Zinc	194		0.25	2.19	mg/Kg
Client ID : B9-0.0-1.0-20251023								
Q3466-05	B9-0.0-1.0-20251023	SOIL	Aluminum	7760		0.94	5.62	mg/Kg
Q3466-05	B9-0.0-1.0-20251023	SOIL	Arsenic	2.90		0.21	1.12	mg/Kg
Q3466-05	B9-0.0-1.0-20251023	SOIL	Barium	37.3		0.82	5.62	mg/Kg
Q3466-05	B9-0.0-1.0-20251023	SOIL	Beryllium	0.62		0.028	0.34	mg/Kg
Q3466-05	B9-0.0-1.0-20251023	SOIL	Cadmium	0.72		0.027	0.34	mg/Kg
Q3466-05	B9-0.0-1.0-20251023	SOIL	Calcium	1260		12.5	112	mg/Kg
Q3466-05	B9-0.0-1.0-20251023	SOIL	Chromium	13.1		0.053	0.56	mg/Kg
Q3466-05	B9-0.0-1.0-20251023	SOIL	Cobalt	6.14		0.11	1.68	mg/Kg
Q3466-05	B9-0.0-1.0-20251023	SOIL	Copper	24.0		0.25	1.12	mg/Kg
Q3466-05	B9-0.0-1.0-20251023	SOIL	Iron	13300		4.48	5.62	mg/Kg
Q3466-05	B9-0.0-1.0-20251023	SOIL	Lead	45.2		0.15	0.67	mg/Kg
Q3466-05	B9-0.0-1.0-20251023	SOIL	Magnesium	2170		13.5	112	mg/Kg
Q3466-05	B9-0.0-1.0-20251023	SOIL	Manganese	228		0.16	1.12	mg/Kg
Q3466-05	B9-0.0-1.0-20251023	SOIL	Mercury	0.042		0.0080	0.015	mg/Kg
Q3466-05	B9-0.0-1.0-20251023	SOIL	Nickel	11.1		0.15	2.25	mg/Kg
Q3466-05	B9-0.0-1.0-20251023	SOIL	Potassium	1070		31.1	112	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q3466 **Order ID:** Q3466

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

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3466-05	B9-0.0-1.0-20251023	SOIL	Silver	0.18	J	0.14	0.56	mg/Kg
Q3466-05	B9-0.0-1.0-20251023	SOIL	Sodium	198		20.0	112	mg/Kg
Q3466-05	B9-0.0-1.0-20251023	SOIL	Vanadium	19.1		0.28	2.25	mg/Kg
Q3466-05	B9-0.0-1.0-20251023	SOIL	Zinc	130		0.26	2.25	mg/Kg
Client ID : B7-1.0-2.0-20251023								
Q3466-07	B7-1.0-2.0-20251023	SOIL	Aluminum	3360		0.86	5.10	mg/Kg
Q3466-07	B7-1.0-2.0-20251023	SOIL	Arsenic	2.24		0.19	1.02	mg/Kg
Q3466-07	B7-1.0-2.0-20251023	SOIL	Barium	16.9		0.74	5.10	mg/Kg
Q3466-07	B7-1.0-2.0-20251023	SOIL	Beryllium	0.39		0.025	0.31	mg/Kg
Q3466-07	B7-1.0-2.0-20251023	SOIL	Cadmium	0.18	J	0.024	0.31	mg/Kg
Q3466-07	B7-1.0-2.0-20251023	SOIL	Calcium	888		11.3	102	mg/Kg
Q3466-07	B7-1.0-2.0-20251023	SOIL	Chromium	7.36		0.048	0.51	mg/Kg
Q3466-07	B7-1.0-2.0-20251023	SOIL	Cobalt	4.02		0.10	1.53	mg/Kg
Q3466-07	B7-1.0-2.0-20251023	SOIL	Copper	12.0		0.22	1.02	mg/Kg
Q3466-07	B7-1.0-2.0-20251023	SOIL	Iron	8370		4.07	5.10	mg/Kg
Q3466-07	B7-1.0-2.0-20251023	SOIL	Lead	21.4		0.13	0.61	mg/Kg
Q3466-07	B7-1.0-2.0-20251023	SOIL	Magnesium	1250		12.2	102	mg/Kg
Q3466-07	B7-1.0-2.0-20251023	SOIL	Manganese	118		0.14	1.02	mg/Kg
Q3466-07	B7-1.0-2.0-20251023	SOIL	Mercury	0.016		0.0080	0.014	mg/Kg
Q3466-07	B7-1.0-2.0-20251023	SOIL	Nickel	7.55		0.13	2.04	mg/Kg
Q3466-07	B7-1.0-2.0-20251023	SOIL	Potassium	941		28.2	102	mg/Kg
Q3466-07	B7-1.0-2.0-20251023	SOIL	Sodium	224		18.1	102	mg/Kg
Q3466-07	B7-1.0-2.0-20251023	SOIL	Vanadium	10.8		0.26	2.04	mg/Kg
Q3466-07	B7-1.0-2.0-20251023	SOIL	Zinc	22.0		0.23	2.04	mg/Kg

SAMPLE DATA

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:	10/23/25
Project:	PVWC Linear Construction	Date Received:	10/24/25
Client Sample ID:	B8-0.0-1.0-20251023	SDG No.:	Q3466
Lab Sample ID:	Q3466-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	85.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5080		1	0.92	5.48	mg/Kg	10/28/25 10:40	10/29/25 15:16	6010D	SW3010A
7440-36-0	Antimony	0.24	UN	1	0.24	2.74	mg/Kg	10/28/25 10:40	10/29/25 15:16	6010D	SW3010A
7440-38-2	Arsenic	4.12		1	0.21	1.10	mg/Kg	10/28/25 10:40	10/29/25 15:16	6010D	SW3010A
7440-39-3	Barium	139		1	0.80	5.48	mg/Kg	10/28/25 10:40	10/29/25 15:16	6010D	SW3010A
7440-41-7	Beryllium	0.44		1	0.027	0.33	mg/Kg	10/28/25 10:40	10/29/25 15:16	6010D	SW3010A
7440-43-9	Cadmium	0.35		1	0.026	0.33	mg/Kg	10/28/25 10:40	10/29/25 15:16	6010D	SW3010A
7440-70-2	Calcium	3170		1	12.2	110	mg/Kg	10/28/25 10:40	10/29/25 15:16	6010D	SW3010A
7440-47-3	Chromium	14.3		1	0.051	0.55	mg/Kg	10/28/25 10:40	10/29/25 15:16	6010D	SW3010A
7440-48-4	Cobalt	4.43		1	0.11	1.64	mg/Kg	10/28/25 10:40	10/29/25 15:16	6010D	SW3010A
7440-50-8	Copper	40.4		1	0.24	1.10	mg/Kg	10/28/25 10:40	10/29/25 15:16	6010D	SW3010A
7439-89-6	Iron	10900	*	1	4.37	5.48	mg/Kg	10/28/25 10:40	10/29/25 15:16	6010D	SW3010A
7439-92-1	Lead	494		1	0.14	0.66	mg/Kg	10/28/25 10:40	10/29/25 15:16	6010D	SW3010A
7439-95-4	Magnesium	1780		1	13.1	110	mg/Kg	10/28/25 10:40	10/29/25 15:16	6010D	SW3010A
7439-96-5	Manganese	373		1	0.15	1.10	mg/Kg	10/28/25 10:40	10/29/25 15:16	6010D	SW3010A
7439-97-6	Mercury	0.27		1	0.0090	0.015	mg/Kg	10/27/25 14:40	10/28/25 13:56	7471B	7471B
7440-02-0	Nickel	12.0		1	0.14	2.19	mg/Kg	10/28/25 10:40	10/29/25 15:16	6010D	SW3010A
7440-09-7	Potassium	371		1	30.3	110	mg/Kg	10/28/25 10:40	10/29/25 15:16	6010D	SW3010A
7782-49-2	Selenium	0.28	U	1	0.28	1.10	mg/Kg	10/28/25 10:40	10/29/25 15:16	6010D	SW3010A
7440-22-4	Silver	0.16	J	1	0.13	0.55	mg/Kg	10/28/25 10:40	10/29/25 15:16	6010D	SW3010A
7440-23-5	Sodium	194		1	19.5	110	mg/Kg	10/28/25 10:40	10/29/25 15:16	6010D	SW3010A
7440-28-0	Thallium	0.25	U	1	0.25	2.19	mg/Kg	10/28/25 10:40	10/29/25 15:16	6010D	SW3010A
7440-62-2	Vanadium	19.2		1	0.27	2.19	mg/Kg	10/28/25 10:40	10/29/25 15:16	6010D	SW3010A
7440-66-6	Zinc	194	N	1	0.25	2.19	mg/Kg	10/28/25 10:40	10/29/25 15:16	6010D	SW3010A

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

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:	10/23/25
Project:	PVWC Linear Construction	Date Received:	10/24/25
Client Sample ID:	B9-0.0-1.0-20251023	SDG No.:	Q3466
Lab Sample ID:	Q3466-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	83.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	7760		1	0.94	5.62	mg/Kg	10/28/25 10:40	10/29/25 15:20	6010D	SW3010A
7440-36-0	Antimony	0.25	UN	1	0.25	2.81	mg/Kg	10/28/25 10:40	10/29/25 15:20	6010D	SW3010A
7440-38-2	Arsenic	2.90		1	0.21	1.12	mg/Kg	10/28/25 10:40	10/29/25 15:20	6010D	SW3010A
7440-39-3	Barium	37.3		1	0.82	5.62	mg/Kg	10/28/25 10:40	10/29/25 15:20	6010D	SW3010A
7440-41-7	Beryllium	0.62		1	0.028	0.34	mg/Kg	10/28/25 10:40	10/29/25 15:20	6010D	SW3010A
7440-43-9	Cadmium	0.72		1	0.027	0.34	mg/Kg	10/28/25 10:40	10/29/25 15:20	6010D	SW3010A
7440-70-2	Calcium	1260		1	12.5	112	mg/Kg	10/28/25 10:40	10/29/25 15:20	6010D	SW3010A
7440-47-3	Chromium	13.1		1	0.053	0.56	mg/Kg	10/28/25 10:40	10/29/25 15:20	6010D	SW3010A
7440-48-4	Cobalt	6.14		1	0.11	1.68	mg/Kg	10/28/25 10:40	10/29/25 15:20	6010D	SW3010A
7440-50-8	Copper	24.0		1	0.25	1.12	mg/Kg	10/28/25 10:40	10/29/25 15:20	6010D	SW3010A
7439-89-6	Iron	13300	*	1	4.48	5.62	mg/Kg	10/28/25 10:40	10/29/25 15:20	6010D	SW3010A
7439-92-1	Lead	45.2		1	0.15	0.67	mg/Kg	10/28/25 10:40	10/29/25 15:20	6010D	SW3010A
7439-95-4	Magnesium	2170		1	13.5	112	mg/Kg	10/28/25 10:40	10/29/25 15:20	6010D	SW3010A
7439-96-5	Manganese	228		1	0.16	1.12	mg/Kg	10/28/25 10:40	10/29/25 15:20	6010D	SW3010A
7439-97-6	Mercury	0.042		1	0.0080	0.015	mg/Kg	10/27/25 14:40	10/28/25 13:58	7471B	7471B
7440-02-0	Nickel	11.1		1	0.15	2.25	mg/Kg	10/28/25 10:40	10/29/25 15:20	6010D	SW3010A
7440-09-7	Potassium	1070		1	31.1	112	mg/Kg	10/28/25 10:40	10/29/25 15:20	6010D	SW3010A
7782-49-2	Selenium	0.29	U	1	0.29	1.12	mg/Kg	10/28/25 10:40	10/29/25 15:20	6010D	SW3010A
7440-22-4	Silver	0.18	J	1	0.14	0.56	mg/Kg	10/28/25 10:40	10/29/25 15:20	6010D	SW3010A
7440-23-5	Sodium	198		1	20.0	112	mg/Kg	10/28/25 10:40	10/29/25 15:20	6010D	SW3010A
7440-28-0	Thallium	0.26	U	1	0.26	2.25	mg/Kg	10/28/25 10:40	10/29/25 15:20	6010D	SW3010A
7440-62-2	Vanadium	19.1		1	0.28	2.25	mg/Kg	10/28/25 10:40	10/29/25 15:20	6010D	SW3010A
7440-66-6	Zinc	130	N	1	0.26	2.25	mg/Kg	10/28/25 10:40	10/29/25 15:20	6010D	SW3010A

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
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N =Spiked sample recovery not within control limits

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	HDR, Inc.	Date Collected:	10/23/25
Project:	PVWC Linear Construction	Date Received:	10/24/25
Client Sample ID:	B7-1.0-2.0-20251023	SDG No.:	Q3466
Lab Sample ID:	Q3466-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	89.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3360		1	0.86	5.10	mg/Kg	10/28/25 10:40	10/29/25 15:24	6010D	SW3010A
7440-36-0	Antimony	0.22	UN	1	0.22	2.55	mg/Kg	10/28/25 10:40	10/29/25 15:24	6010D	SW3010A
7440-38-2	Arsenic	2.24		1	0.19	1.02	mg/Kg	10/28/25 10:40	10/29/25 15:24	6010D	SW3010A
7440-39-3	Barium	16.9		1	0.74	5.10	mg/Kg	10/28/25 10:40	10/29/25 15:24	6010D	SW3010A
7440-41-7	Beryllium	0.39		1	0.025	0.31	mg/Kg	10/28/25 10:40	10/29/25 15:24	6010D	SW3010A
7440-43-9	Cadmium	0.18	J	1	0.024	0.31	mg/Kg	10/28/25 10:40	10/29/25 15:24	6010D	SW3010A
7440-70-2	Calcium	888		1	11.3	102	mg/Kg	10/28/25 10:40	10/29/25 15:24	6010D	SW3010A
7440-47-3	Chromium	7.36		1	0.048	0.51	mg/Kg	10/28/25 10:40	10/29/25 15:24	6010D	SW3010A
7440-48-4	Cobalt	4.02		1	0.10	1.53	mg/Kg	10/28/25 10:40	10/29/25 15:24	6010D	SW3010A
7440-50-8	Copper	12.0		1	0.22	1.02	mg/Kg	10/28/25 10:40	10/29/25 15:24	6010D	SW3010A
7439-89-6	Iron	8370	*	1	4.07	5.10	mg/Kg	10/28/25 10:40	10/29/25 15:24	6010D	SW3010A
7439-92-1	Lead	21.4		1	0.13	0.61	mg/Kg	10/28/25 10:40	10/29/25 15:24	6010D	SW3010A
7439-95-4	Magnesium	1250		1	12.2	102	mg/Kg	10/28/25 10:40	10/29/25 15:24	6010D	SW3010A
7439-96-5	Manganese	118		1	0.14	1.02	mg/Kg	10/28/25 10:40	10/29/25 15:24	6010D	SW3010A
7439-97-6	Mercury	0.016		1	0.0080	0.014	mg/Kg	10/27/25 14:40	10/28/25 14:06	7471B	7471B
7440-02-0	Nickel	7.55		1	0.13	2.04	mg/Kg	10/28/25 10:40	10/29/25 15:24	6010D	SW3010A
7440-09-7	Potassium	941		1	28.2	102	mg/Kg	10/28/25 10:40	10/29/25 15:24	6010D	SW3010A
7782-49-2	Selenium	0.27	U	1	0.27	1.02	mg/Kg	10/28/25 10:40	10/29/25 15:24	6010D	SW3010A
7440-22-4	Silver	0.12	U	1	0.12	0.51	mg/Kg	10/28/25 10:40	10/29/25 15:24	6010D	SW3010A
7440-23-5	Sodium	224		1	18.1	102	mg/Kg	10/28/25 10:40	10/29/25 15:24	6010D	SW3010A
7440-28-0	Thallium	0.23	U	1	0.23	2.04	mg/Kg	10/28/25 10:40	10/29/25 15:24	6010D	SW3010A
7440-62-2	Vanadium	10.8		1	0.26	2.04	mg/Kg	10/28/25 10:40	10/29/25 15:24	6010D	SW3010A
7440-66-6	Zinc	22.0	N	1	0.23	2.04	mg/Kg	10/28/25 10:40	10/29/25 15:24	6010D	SW3010A

U = Not Detected
LOQ = Limit of Quantitation
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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3466

Contract: HDRI08 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB90	Mercury	0.076	+/-0.2	U	0.20	CV	10/28/2025	12:53	LB137668

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3466

Contract: HDRI08 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB97	Mercury	0.076	+/-0.2	U	0.20	CV	10/28/2025	12:58	LB137668
CCB98	Mercury	0.076	+/-0.2	U	0.20	CV	10/28/2025	13:33	LB137668
CCB99	Mercury	0.076	+/-0.2	U	0.20	CV	10/28/2025	14:03	LB137668
CCB100	Mercury	0.076	+/-0.2	U	0.20	CV	10/28/2025	14:25	LB137668

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3466

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	10/29/2025	14:12	LB137697
	Antimony	6.76	+/-25	U	50.0	P	10/29/2025	14:12	LB137697
	Arsenic	5.12	+/-10	U	20.0	P	10/29/2025	14:12	LB137697
	Barium	14.6	+/-50	U	100	P	10/29/2025	14:12	LB137697
	Beryllium	0.56	+/-3	U	6.00	P	10/29/2025	14:12	LB137697
	Cadmium	0.50	+/-3	U	6.00	P	10/29/2025	14:12	LB137697
	Calcium	234	+/-1000	U	2000	P	10/29/2025	14:12	LB137697
	Chromium	2.12	+/-5	U	10.0	P	10/29/2025	14:12	LB137697
	Cobalt	2.26	+/-15	U	30.0	P	10/29/2025	14:12	LB137697
	Copper	4.60	+/-10	U	20.0	P	10/29/2025	14:12	LB137697
	Iron	23.4	+/-50	U	100	P	10/29/2025	14:12	LB137697
	Lead	2.30	+/-6	U	12.0	P	10/29/2025	14:12	LB137697
	Magnesium	244	+/-1000	U	2000	P	10/29/2025	14:12	LB137697
	Manganese	5.94	+/-10	U	20.0	P	10/29/2025	14:12	LB137697
	Nickel	3.06	+/-20	U	40.0	P	10/29/2025	14:12	LB137697
	Potassium	918	+/-1000	U	2000	P	10/29/2025	14:12	LB137697
	Selenium	9.64	+/-10	U	20.0	P	10/29/2025	14:12	LB137697
	Silver	1.62	+/-5	U	10.0	P	10/29/2025	14:12	LB137697
	Sodium	868	+/-1000	U	2000	P	10/29/2025	14:12	LB137697
	Thallium	4.38	+/-20	U	40.0	P	10/29/2025	14:12	LB137697
	Vanadium	6.26	+/-20	U	40.0	P	10/29/2025	14:12	LB137697
	Zinc	16.7	+/-20	U	40.0	P	10/29/2025	14:12	LB137697

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3466

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	10/29/2025	14:41	LB137697
	Antimony	6.76	+/-25	U	50.0	P	10/29/2025	14:41	LB137697
	Arsenic	5.12	+/-10	U	20.0	P	10/29/2025	14:41	LB137697
	Barium	14.6	+/-50	U	100	P	10/29/2025	14:41	LB137697
	Beryllium	0.56	+/-3	U	6.00	P	10/29/2025	14:41	LB137697
	Cadmium	0.50	+/-3	U	6.00	P	10/29/2025	14:41	LB137697
	Calcium	234	+/-1000	U	2000	P	10/29/2025	14:41	LB137697
	Chromium	2.12	+/-5	U	10.0	P	10/29/2025	14:41	LB137697
	Cobalt	2.26	+/-15	U	30.0	P	10/29/2025	14:41	LB137697
	Copper	4.60	+/-10	U	20.0	P	10/29/2025	14:41	LB137697
	Iron	23.4	+/-50	U	100	P	10/29/2025	14:41	LB137697
	Lead	2.30	+/-6	U	12.0	P	10/29/2025	14:41	LB137697
	Magnesium	244	+/-1000	U	2000	P	10/29/2025	14:41	LB137697
	Manganese	5.94	+/-10	U	20.0	P	10/29/2025	14:41	LB137697
	Nickel	3.06	+/-20	U	40.0	P	10/29/2025	14:41	LB137697
	Potassium	918	+/-1000	U	2000	P	10/29/2025	14:41	LB137697
	Selenium	9.64	+/-10	U	20.0	P	10/29/2025	14:41	LB137697
	Silver	1.62	+/-5	U	10.0	P	10/29/2025	14:41	LB137697
	Sodium	868	+/-1000	U	2000	P	10/29/2025	14:41	LB137697
	Thallium	4.38	+/-20	U	40.0	P	10/29/2025	14:41	LB137697
	Vanadium	6.26	+/-20	U	40.0	P	10/29/2025	14:41	LB137697
	Zinc	16.7	+/-20	U	40.0	P	10/29/2025	14:41	LB137697
CCB02	Aluminum	11.3	+/-50	U	100	P	10/29/2025	15:48	LB137697
	Antimony	6.76	+/-25	U	50.0	P	10/29/2025	15:48	LB137697
	Arsenic	5.12	+/-10	U	20.0	P	10/29/2025	15:48	LB137697
	Barium	14.6	+/-50	U	100	P	10/29/2025	15:48	LB137697
	Beryllium	0.56	+/-3	U	6.00	P	10/29/2025	15:48	LB137697
	Cadmium	0.50	+/-3	U	6.00	P	10/29/2025	15:48	LB137697
	Calcium	234	+/-1000	U	2000	P	10/29/2025	15:48	LB137697
	Chromium	2.12	+/-5	U	10.0	P	10/29/2025	15:48	LB137697
	Cobalt	2.26	+/-15	U	30.0	P	10/29/2025	15:48	LB137697
	Copper	4.60	+/-10	U	20.0	P	10/29/2025	15:48	LB137697
	Iron	23.4	+/-50	U	100	P	10/29/2025	15:48	LB137697
	Lead	2.30	+/-6	U	12.0	P	10/29/2025	15:48	LB137697
	Magnesium	244	+/-1000	U	2000	P	10/29/2025	15:48	LB137697
	Manganese	5.94	+/-10	U	20.0	P	10/29/2025	15:48	LB137697
	Nickel	3.06	+/-20	U	40.0	P	10/29/2025	15:48	LB137697
	Potassium	918	+/-1000	U	2000	P	10/29/2025	15:48	LB137697
	Selenium	9.64	+/-10	U	20.0	P	10/29/2025	15:48	LB137697

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3466

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	10/29/2025	15:48	LB137697
	Sodium	868	+/-1000	U	2000	P	10/29/2025	15:48	LB137697
	Thallium	4.38	+/-20	U	40.0	P	10/29/2025	15:48	LB137697
	Vanadium	6.26	+/-20	U	40.0	P	10/29/2025	15:48	LB137697
	Zinc	16.7	+/-20	U	40.0	P	10/29/2025	15:48	LB137697
CCB03	Aluminum	11.3	+/-50	U	100	P	10/29/2025	16:41	LB137697
	Antimony	6.76	+/-25	U	50.0	P	10/29/2025	16:41	LB137697
	Arsenic	5.12	+/-10	U	20.0	P	10/29/2025	16:41	LB137697
	Barium	14.6	+/-50	U	100	P	10/29/2025	16:41	LB137697
	Beryllium	0.56	+/-3	U	6.00	P	10/29/2025	16:41	LB137697
	Cadmium	0.50	+/-3	U	6.00	P	10/29/2025	16:41	LB137697
	Calcium	234	+/-1000	U	2000	P	10/29/2025	16:41	LB137697
	Chromium	2.12	+/-5	U	10.0	P	10/29/2025	16:41	LB137697
	Cobalt	2.26	+/-15	U	30.0	P	10/29/2025	16:41	LB137697
	Copper	4.60	+/-10	U	20.0	P	10/29/2025	16:41	LB137697
	Iron	29.0	+/-50	J	100	P	10/29/2025	16:41	LB137697
	Lead	2.30	+/-6	U	12.0	P	10/29/2025	16:41	LB137697
	Magnesium	244	+/-1000	U	2000	P	10/29/2025	16:41	LB137697
	Manganese	5.94	+/-10	U	20.0	P	10/29/2025	16:41	LB137697
	Nickel	3.06	+/-20	U	40.0	P	10/29/2025	16:41	LB137697
	Potassium	918	+/-1000	U	2000	P	10/29/2025	16:41	LB137697
	Selenium	9.64	+/-10	U	20.0	P	10/29/2025	16:41	LB137697
	Silver	1.62	+/-5	U	10.0	P	10/29/2025	16:41	LB137697
	Sodium	868	+/-1000	U	2000	P	10/29/2025	16:41	LB137697
	Thallium	4.38	+/-20	U	40.0	P	10/29/2025	16:41	LB137697
	Vanadium	6.26	+/-20	U	40.0	P	10/29/2025	16:41	LB137697
	Zinc	16.7	+/-20	U	40.0	P	10/29/2025	16:41	LB137697
CCB04	Aluminum	11.3	+/-50	U	100	P	10/29/2025	17:31	LB137697
	Antimony	6.76	+/-25	U	50.0	P	10/29/2025	17:31	LB137697
	Arsenic	5.12	+/-10	U	20.0	P	10/29/2025	17:31	LB137697
	Barium	14.6	+/-50	U	100	P	10/29/2025	17:31	LB137697
	Beryllium	0.56	+/-3	U	6.00	P	10/29/2025	17:31	LB137697
	Cadmium	0.50	+/-3	U	6.00	P	10/29/2025	17:31	LB137697
	Calcium	234	+/-1000	U	2000	P	10/29/2025	17:31	LB137697
	Chromium	2.12	+/-5	U	10.0	P	10/29/2025	17:31	LB137697
	Cobalt	2.26	+/-15	U	30.0	P	10/29/2025	17:31	LB137697
	Copper	4.60	+/-10	U	20.0	P	10/29/2025	17:31	LB137697
	Iron	23.4	+/-50	U	100	P	10/29/2025	17:31	LB137697
	Lead	2.30	+/-6	U	12.0	P	10/29/2025	17:31	LB137697

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3466

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	10/29/2025	17:31	LB137697
	Manganese	5.94	+/-10	U	20.0	P	10/29/2025	17:31	LB137697
	Nickel	3.06	+/-20	U	40.0	P	10/29/2025	17:31	LB137697
	Potassium	918	+/-1000	U	2000	P	10/29/2025	17:31	LB137697
	Selenium	9.64	+/-10	U	20.0	P	10/29/2025	17:31	LB137697
	Silver	1.62	+/-5	U	10.0	P	10/29/2025	17:31	LB137697
	Sodium	868	+/-1000	U	2000	P	10/29/2025	17:31	LB137697
	Thallium	4.38	+/-20	U	40.0	P	10/29/2025	17:31	LB137697
	Vanadium	6.26	+/-20	U	40.0	P	10/29/2025	17:31	LB137697
	Zinc	16.7	+/-20	U	40.0	P	10/29/2025	17:31	LB137697
CCB05	Aluminum	12.2	+/-50	J	100	P	10/29/2025	18:07	LB137697
	Antimony	6.76	+/-25	U	50.0	P	10/29/2025	18:07	LB137697
	Arsenic	5.12	+/-10	U	20.0	P	10/29/2025	18:07	LB137697
	Barium	14.6	+/-50	U	100	P	10/29/2025	18:07	LB137697
	Beryllium	0.56	+/-3	U	6.00	P	10/29/2025	18:07	LB137697
	Cadmium	0.50	+/-3	U	6.00	P	10/29/2025	18:07	LB137697
	Calcium	234	+/-1000	U	2000	P	10/29/2025	18:07	LB137697
	Chromium	2.12	+/-5	U	10.0	P	10/29/2025	18:07	LB137697
	Cobalt	2.26	+/-15	U	30.0	P	10/29/2025	18:07	LB137697
	Copper	4.60	+/-10	U	20.0	P	10/29/2025	18:07	LB137697
	Iron	23.4	+/-50	U	100	P	10/29/2025	18:07	LB137697
	Lead	2.30	+/-6	U	12.0	P	10/29/2025	18:07	LB137697
	Magnesium	244	+/-1000	U	2000	P	10/29/2025	18:07	LB137697
	Manganese	5.94	+/-10	U	20.0	P	10/29/2025	18:07	LB137697
	Nickel	3.06	+/-20	U	40.0	P	10/29/2025	18:07	LB137697
	Potassium	918	+/-1000	U	2000	P	10/29/2025	18:07	LB137697
	Selenium	9.64	+/-10	U	20.0	P	10/29/2025	18:07	LB137697
	Silver	1.62	+/-5	U	10.0	P	10/29/2025	18:07	LB137697
	Sodium	868	+/-1000	U	2000	P	10/29/2025	18:07	LB137697
	Thallium	4.38	+/-20	U	40.0	P	10/29/2025	18:07	LB137697
	Vanadium	6.26	+/-20	U	40.0	P	10/29/2025	18:07	LB137697
	Zinc	16.7	+/-20	U	40.0	P	10/29/2025	18:07	LB137697
CCB06	Aluminum	11.3	+/-50	U	100	P	10/29/2025	19:04	LB137697
	Antimony	6.76	+/-25	U	50.0	P	10/29/2025	19:04	LB137697
	Arsenic	5.12	+/-10	U	20.0	P	10/29/2025	19:04	LB137697
	Barium	14.6	+/-50	U	100	P	10/29/2025	19:04	LB137697
	Beryllium	0.56	+/-3	U	6.00	P	10/29/2025	19:04	LB137697
	Cadmium	0.50	+/-3	U	6.00	P	10/29/2025	19:04	LB137697
	Calcium	234	+/-1000	U	2000	P	10/29/2025	19:04	LB137697

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3466

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	10/29/2025	19:04	LB137697
	Cobalt	2.26	+/-15	U	30.0	P	10/29/2025	19:04	LB137697
	Copper	4.60	+/-10	U	20.0	P	10/29/2025	19:04	LB137697
	Iron	23.4	+/-50	U	100	P	10/29/2025	19:04	LB137697
	Lead	2.30	+/-6	U	12.0	P	10/29/2025	19:04	LB137697
	Magnesium	244	+/-1000	U	2000	P	10/29/2025	19:04	LB137697
	Manganese	5.94	+/-10	U	20.0	P	10/29/2025	19:04	LB137697
	Nickel	3.06	+/-20	U	40.0	P	10/29/2025	19:04	LB137697
	Potassium	918	+/-1000	U	2000	P	10/29/2025	19:04	LB137697
	Selenium	9.64	+/-10	U	20.0	P	10/29/2025	19:04	LB137697
	Silver	1.62	+/-5	U	10.0	P	10/29/2025	19:04	LB137697
	Sodium	868	+/-1000	U	2000	P	10/29/2025	19:04	LB137697
	Thallium	4.38	+/-20	U	40.0	P	10/29/2025	19:04	LB137697
	Vanadium	6.26	+/-20	U	40.0	P	10/29/2025	19:04	LB137697
	Zinc	16.7	+/-20	U	40.0	P	10/29/2025	19:04	LB137697

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Metals
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PREPARATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3466

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB170271BL		**SOLID**		**Batch Number:**	**PB170271**		**Prep Date:**	**10/27/2025**	
	Mercury	0.0080	<0.014	U	0.014	CV	10/28/2025	13:11	LB137668

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Metals
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PREPARATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3466

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB170288BL		**SOLID**		**Batch Number:**	**PB170288**		**Prep Date:**	**10/28/2025**	
	Aluminum	0.84	<2.5	U	5.00	P	10/29/2025	15:04	LB137697
	Antimony	0.22	<1.25	U	2.50	P	10/29/2025	15:04	LB137697
	Arsenic	0.19	<0.5	U	1.00	P	10/29/2025	15:04	LB137697
	Barium	0.73	<2.5	U	5.00	P	10/29/2025	15:04	LB137697
	Beryllium	0.025	<0.15	U	0.30	P	10/29/2025	15:04	LB137697
	Cadmium	0.024	<0.15	U	0.30	P	10/29/2025	15:04	LB137697
	Calcium	11.1	<50	U	100	P	10/29/2025	15:04	LB137697
	Chromium	0.047	<0.25	U	0.50	P	10/29/2025	15:04	LB137697
	Cobalt	0.10	<0.75	U	1.50	P	10/29/2025	15:04	LB137697
	Copper	0.22	<0.5	U	1.00	P	10/29/2025	15:04	LB137697
	Iron	3.99	<2.5	U	5.00	P	10/29/2025	15:04	LB137697
	Lead	0.13	<0.3	U	0.60	P	10/29/2025	15:04	LB137697
	Magnesium	12.0	<50	U	100	P	10/29/2025	15:04	LB137697
	Manganese	0.14	<0.5	U	1.00	P	10/29/2025	15:04	LB137697
	Nickel	0.13	<1	U	2.00	P	10/29/2025	15:04	LB137697
	Potassium	27.7	<50	U	100	P	10/29/2025	15:04	LB137697
	Selenium	0.26	<0.5	U	1.00	P	10/29/2025	15:04	LB137697
	Silver	0.12	<0.25	U	0.50	P	10/29/2025	15:04	LB137697
	Sodium	17.8	<50	U	100	P	10/29/2025	15:04	LB137697
	Thallium	0.23	<1	U	2.00	P	10/29/2025	15:04	LB137697
	Vanadium	0.25	<1	U	2.00	P	10/29/2025	15:04	LB137697
	Zinc	0.23	<1	U	2.00	P	10/29/2025	15:04	LB137697

METAL CALIBRATION DATA

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc.

SDG No.: Q3466

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
ICV90	Mercury	4.30	4.0	107	90 - 110	CV	10/28/2025	12:51	LB137668

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc.

SDG No.: Q3466

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
CCV97	Mercury	5.04	5.0	101	90 - 110	CV	10/28/2025	12:56	LB137668
CCV98	Mercury	4.77	5.0	95	90 - 110	CV	10/28/2025	13:31	LB137668
CCV99	Mercury	4.99	5.0	100	90 - 110	CV	10/28/2025	14:01	LB137668
CCV100	Mercury	4.90	5.0	98	90 - 110	CV	10/28/2025	14:23	LB137668

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc.
SDG No.: Q3466
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	7260	8000	91	90 - 110	P	10/29/2025	14:01	LB137697
	Antimony	3850	4000	96	90 - 110	P	10/29/2025	14:01	LB137697
	Arsenic	3760	4000	94	90 - 110	P	10/29/2025	14:01	LB137697
	Barium	7490	8000	94	90 - 110	P	10/29/2025	14:01	LB137697
	Beryllium	188	200	94	90 - 110	P	10/29/2025	14:01	LB137697
	Cadmium	1860	2000	93	90 - 110	P	10/29/2025	14:01	LB137697
	Calcium	18700	20000	94	90 - 110	P	10/29/2025	14:01	LB137697
	Chromium	770	800	96	90 - 110	P	10/29/2025	14:01	LB137697
	Cobalt	1880	2000	94	90 - 110	P	10/29/2025	14:01	LB137697
	Copper	961	1000	96	90 - 110	P	10/29/2025	14:01	LB137697
	Iron	3790	4000	95	90 - 110	P	10/29/2025	14:01	LB137697
	Lead	3650	4000	91	90 - 110	P	10/29/2025	14:01	LB137697
	Magnesium	18700	20000	94	90 - 110	P	10/29/2025	14:01	LB137697
	Manganese	1870	2000	93	90 - 110	P	10/29/2025	14:01	LB137697
	Nickel	1880	2000	94	90 - 110	P	10/29/2025	14:01	LB137697
	Potassium	18700	20000	93	90 - 110	P	10/29/2025	14:01	LB137697
	Selenium	3780	4000	94	90 - 110	P	10/29/2025	14:01	LB137697
	Silver	969	1000	97	90 - 110	P	10/29/2025	14:01	LB137697
	Sodium	18800	20000	94	90 - 110	P	10/29/2025	14:01	LB137697
	Thallium	3970	4000	99	90 - 110	P	10/29/2025	14:01	LB137697
	Vanadium	1860	2000	93	90 - 110	P	10/29/2025	14:01	LB137697
	Zinc	1900	2000	95	90 - 110	P	10/29/2025	14:01	LB137697

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc.

SDG No.: Q3466

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	103	100	103	80 - 120	P	10/29/2025	14:07	LB137697
	Antimony	51.5	50.0	103	80 - 120	P	10/29/2025	14:07	LB137697
	Arsenic	21.1	20.0	105	80 - 120	P	10/29/2025	14:07	LB137697
	Barium	105	100	105	80 - 120	P	10/29/2025	14:07	LB137697
	Beryllium	6.45	6.0	108	80 - 120	P	10/29/2025	14:07	LB137697
	Cadmium	5.83	6.0	97	80 - 120	P	10/29/2025	14:07	LB137697
	Calcium	2080	2000	104	80 - 120	P	10/29/2025	14:07	LB137697
	Chromium	10.3	10.0	102	80 - 120	P	10/29/2025	14:07	LB137697
	Cobalt	30.0	30.0	100	80 - 120	P	10/29/2025	14:07	LB137697
	Copper	22.0	20.0	110	80 - 120	P	10/29/2025	14:07	LB137697
	Iron	107	100	107	80 - 120	P	10/29/2025	14:07	LB137697
	Lead	11.7	12.0	98	80 - 120	P	10/29/2025	14:07	LB137697
	Magnesium	2160	2000	108	80 - 120	P	10/29/2025	14:07	LB137697
	Manganese	21.1	20.0	105	80 - 120	P	10/29/2025	14:07	LB137697
	Nickel	40.4	40.0	101	80 - 120	P	10/29/2025	14:07	LB137697
	Potassium	1880	2000	94	80 - 120	P	10/29/2025	14:07	LB137697
	Selenium	23.1	20.0	115	80 - 120	P	10/29/2025	14:07	LB137697
	Silver	10.6	10.0	106	80 - 120	P	10/29/2025	14:07	LB137697
	Sodium	2010	2000	100	80 - 120	P	10/29/2025	14:07	LB137697
	Thallium	46.3	40.0	116	80 - 120	P	10/29/2025	14:07	LB137697
	Vanadium	41.0	40.0	103	80 - 120	P	10/29/2025	14:07	LB137697
	Zinc	43.3	40.0	108	80 - 120	P	10/29/2025	14:07	LB137697

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc. **SDG No.:** Q3466

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	9780	10000	98	90 - 110	P	10/29/2025	14:37	LB137697
	Antimony	4970	5000	99	90 - 110	P	10/29/2025	14:37	LB137697
	Arsenic	4960	5000	99	90 - 110	P	10/29/2025	14:37	LB137697
	Barium	9730	10000	97	90 - 110	P	10/29/2025	14:37	LB137697
	Beryllium	250	250	100	90 - 110	P	10/29/2025	14:37	LB137697
	Cadmium	2460	2500	99	90 - 110	P	10/29/2025	14:37	LB137697
	Calcium	24800	25000	99	90 - 110	P	10/29/2025	14:37	LB137697
	Chromium	1010	1000	100	90 - 110	P	10/29/2025	14:37	LB137697
	Cobalt	2460	2500	98	90 - 110	P	10/29/2025	14:37	LB137697
	Copper	1240	1250	99	90 - 110	P	10/29/2025	14:37	LB137697
	Iron	4870	5000	97	90 - 110	P	10/29/2025	14:37	LB137697
	Lead	4900	5000	98	90 - 110	P	10/29/2025	14:37	LB137697
	Magnesium	24800	25000	99	90 - 110	P	10/29/2025	14:37	LB137697
	Manganese	2460	2500	98	90 - 110	P	10/29/2025	14:37	LB137697
	Nickel	2460	2500	98	90 - 110	P	10/29/2025	14:37	LB137697
	Potassium	24100	25000	97	90 - 110	P	10/29/2025	14:37	LB137697
	Selenium	4930	5000	99	90 - 110	P	10/29/2025	14:37	LB137697
	Silver	1240	1250	99	90 - 110	P	10/29/2025	14:37	LB137697
	Sodium	24400	25000	98	90 - 110	P	10/29/2025	14:37	LB137697
	Thallium	5060	5000	101	90 - 110	P	10/29/2025	14:37	LB137697
	Vanadium	2470	2500	99	90 - 110	P	10/29/2025	14:37	LB137697
	Zinc	2490	2500	100	90 - 110	P	10/29/2025	14:37	LB137697
CCV02	Aluminum	9400	10000	94	90 - 110	P	10/29/2025	15:43	LB137697
	Antimony	4870	5000	97	90 - 110	P	10/29/2025	15:43	LB137697
	Arsenic	4840	5000	97	90 - 110	P	10/29/2025	15:43	LB137697
	Barium	9610	10000	96	90 - 110	P	10/29/2025	15:43	LB137697
	Beryllium	243	250	97	90 - 110	P	10/29/2025	15:43	LB137697
	Cadmium	2420	2500	97	90 - 110	P	10/29/2025	15:43	LB137697
	Calcium	24100	25000	96	90 - 110	P	10/29/2025	15:43	LB137697
	Chromium	988	1000	99	90 - 110	P	10/29/2025	15:43	LB137697
	Cobalt	2420	2500	97	90 - 110	P	10/29/2025	15:43	LB137697
	Copper	1220	1250	98	90 - 110	P	10/29/2025	15:43	LB137697
	Iron	4870	5000	98	90 - 110	P	10/29/2025	15:43	LB137697
	Lead	4820	5000	96	90 - 110	P	10/29/2025	15:43	LB137697

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc. **SDG No.:** Q3466

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	24200	25000	97	90 - 110	P	10/29/2025	15:43	LB137697
	Manganese	2390	2500	96	90 - 110	P	10/29/2025	15:43	LB137697
	Nickel	2430	2500	97	90 - 110	P	10/29/2025	15:43	LB137697
	Potassium	24000	25000	96	90 - 110	P	10/29/2025	15:43	LB137697
	Selenium	4790	5000	96	90 - 110	P	10/29/2025	15:43	LB137697
	Silver	1230	1250	98	90 - 110	P	10/29/2025	15:43	LB137697
	Sodium	23900	25000	96	90 - 110	P	10/29/2025	15:43	LB137697
	Thallium	4740	5000	95	90 - 110	P	10/29/2025	15:43	LB137697
	Vanadium	2400	2500	96	90 - 110	P	10/29/2025	15:43	LB137697
	Zinc	2440	2500	98	90 - 110	P	10/29/2025	15:43	LB137697
CCV03	Aluminum	9730	10000	97	90 - 110	P	10/29/2025	16:37	LB137697
	Antimony	5120	5000	102	90 - 110	P	10/29/2025	16:37	LB137697
	Arsenic	5080	5000	102	90 - 110	P	10/29/2025	16:37	LB137697
	Barium	9730	10000	97	90 - 110	P	10/29/2025	16:37	LB137697
	Beryllium	249	250	100	90 - 110	P	10/29/2025	16:37	LB137697
	Cadmium	2510	2500	100	90 - 110	P	10/29/2025	16:37	LB137697
	Calcium	25000	25000	100	90 - 110	P	10/29/2025	16:37	LB137697
	Chromium	1030	1000	103	90 - 110	P	10/29/2025	16:37	LB137697
	Cobalt	2520	2500	101	90 - 110	P	10/29/2025	16:37	LB137697
	Copper	1270	1250	102	90 - 110	P	10/29/2025	16:37	LB137697
	Iron	5080	5000	102	90 - 110	P	10/29/2025	16:37	LB137697
	Lead	5020	5000	100	90 - 110	P	10/29/2025	16:37	LB137697
	Magnesium	25000	25000	100	90 - 110	P	10/29/2025	16:37	LB137697
	Manganese	2470	2500	99	90 - 110	P	10/29/2025	16:37	LB137697
	Nickel	2510	2500	101	90 - 110	P	10/29/2025	16:37	LB137697
	Potassium	25200	25000	101	90 - 110	P	10/29/2025	16:37	LB137697
	Selenium	5070	5000	101	90 - 110	P	10/29/2025	16:37	LB137697
	Silver	1280	1250	102	90 - 110	P	10/29/2025	16:37	LB137697
	Sodium	25300	25000	101	90 - 110	P	10/29/2025	16:37	LB137697
	Thallium	4740	5000	95	90 - 110	P	10/29/2025	16:37	LB137697
	Vanadium	2500	2500	100	90 - 110	P	10/29/2025	16:37	LB137697
	Zinc	2560	2500	102	90 - 110	P	10/29/2025	16:37	LB137697
CCV04	Aluminum	9640	10000	96	90 - 110	P	10/29/2025	17:27	LB137697
	Antimony	4930	5000	99	90 - 110	P	10/29/2025	17:27	LB137697

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc. **SDG No.:** Q3466

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	4980	5000	100	90 - 110	P	10/29/2025	17:27	LB137697
	Barium	9640	10000	96	90 - 110	P	10/29/2025	17:27	LB137697
	Beryllium	262	250	105	90 - 110	P	10/29/2025	17:27	LB137697
	Cadmium	2500	2500	100	90 - 110	P	10/29/2025	17:27	LB137697
	Calcium	24600	25000	98	90 - 110	P	10/29/2025	17:27	LB137697
	Chromium	1020	1000	102	90 - 110	P	10/29/2025	17:27	LB137697
	Cobalt	2480	2500	99	90 - 110	P	10/29/2025	17:27	LB137697
	Copper	1250	1250	100	90 - 110	P	10/29/2025	17:27	LB137697
	Iron	4700	5000	94	90 - 110	P	10/29/2025	17:27	LB137697
	Lead	4950	5000	99	90 - 110	P	10/29/2025	17:27	LB137697
	Magnesium	25100	25000	101	90 - 110	P	10/29/2025	17:27	LB137697
	Manganese	2460	2500	99	90 - 110	P	10/29/2025	17:27	LB137697
	Nickel	2490	2500	100	90 - 110	P	10/29/2025	17:27	LB137697
	Potassium	23500	25000	94	90 - 110	P	10/29/2025	17:27	LB137697
	Selenium	4940	5000	99	90 - 110	P	10/29/2025	17:27	LB137697
	Silver	1250	1250	100	90 - 110	P	10/29/2025	17:27	LB137697
	Sodium	23700	25000	95	90 - 110	P	10/29/2025	17:27	LB137697
	Thallium	5310	5000	106	90 - 110	P	10/29/2025	17:27	LB137697
	Vanadium	2460	2500	98	90 - 110	P	10/29/2025	17:27	LB137697
	Zinc	2490	2500	100	90 - 110	P	10/29/2025	17:27	LB137697
CCV05	Aluminum	9470	10000	95	90 - 110	P	10/29/2025	18:03	LB137697
	Antimony	4830	5000	97	90 - 110	P	10/29/2025	18:03	LB137697
	Arsenic	4850	5000	97	90 - 110	P	10/29/2025	18:03	LB137697
	Barium	9570	10000	96	90 - 110	P	10/29/2025	18:03	LB137697
	Beryllium	252	250	101	90 - 110	P	10/29/2025	18:03	LB137697
	Cadmium	2440	2500	98	90 - 110	P	10/29/2025	18:03	LB137697
	Calcium	24400	25000	98	90 - 110	P	10/29/2025	18:03	LB137697
	Chromium	998	1000	100	90 - 110	P	10/29/2025	18:03	LB137697
	Cobalt	2430	2500	97	90 - 110	P	10/29/2025	18:03	LB137697
	Copper	1220	1250	98	90 - 110	P	10/29/2025	18:03	LB137697
	Iron	4780	5000	96	90 - 110	P	10/29/2025	18:03	LB137697
	Lead	4840	5000	97	90 - 110	P	10/29/2025	18:03	LB137697
	Magnesium	24700	25000	99	90 - 110	P	10/29/2025	18:03	LB137697
	Manganese	2440	2500	98	90 - 110	P	10/29/2025	18:03	LB137697

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc.

SDG No.: Q3466

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	2430	2500	97	90 - 110	P	10/29/2025	18:03	LB137697
	Potassium	23100	25000	92	90 - 110	P	10/29/2025	18:03	LB137697
	Selenium	4830	5000	96	90 - 110	P	10/29/2025	18:03	LB137697
	Silver	1220	1250	98	90 - 110	P	10/29/2025	18:03	LB137697
	Sodium	23200	25000	93	90 - 110	P	10/29/2025	18:03	LB137697
	Thallium	5070	5000	102	90 - 110	P	10/29/2025	18:03	LB137697
	Vanadium	2430	2500	97	90 - 110	P	10/29/2025	18:03	LB137697
	Zinc	2450	2500	98	90 - 110	P	10/29/2025	18:03	LB137697
CCV06	Aluminum	9450	10000	94	90 - 110	P	10/29/2025	18:55	LB137697
	Antimony	4740	5000	95	90 - 110	P	10/29/2025	18:55	LB137697
	Arsenic	4790	5000	96	90 - 110	P	10/29/2025	18:55	LB137697
	Barium	9690	10000	97	90 - 110	P	10/29/2025	18:55	LB137697
	Beryllium	253	250	101	90 - 110	P	10/29/2025	18:55	LB137697
	Cadmium	2470	2500	99	90 - 110	P	10/29/2025	18:55	LB137697
	Calcium	24500	25000	98	90 - 110	P	10/29/2025	18:55	LB137697
	Chromium	1010	1000	101	90 - 110	P	10/29/2025	18:55	LB137697
	Cobalt	2460	2500	98	90 - 110	P	10/29/2025	18:55	LB137697
	Copper	1190	1250	95	90 - 110	P	10/29/2025	18:55	LB137697
	Iron	4860	5000	97	90 - 110	P	10/29/2025	18:55	LB137697
	Lead	4920	5000	98	90 - 110	P	10/29/2025	18:55	LB137697
	Magnesium	24800	25000	99	90 - 110	P	10/29/2025	18:55	LB137697
	Manganese	2460	2500	98	90 - 110	P	10/29/2025	18:55	LB137697
	Nickel	2470	2500	99	90 - 110	P	10/29/2025	18:55	LB137697
	Potassium	26000	25000	104	90 - 110	P	10/29/2025	18:55	LB137697
	Selenium	4770	5000	95	90 - 110	P	10/29/2025	18:55	LB137697
	Silver	1240	1250	99	90 - 110	P	10/29/2025	18:55	LB137697
	Sodium	26300	25000	105	90 - 110	P	10/29/2025	18:55	LB137697
	Thallium	5490	5000	110	90 - 110	P	10/29/2025	18:55	LB137697
	Vanadium	2450	2500	98	90 - 110	P	10/29/2025	18:55	LB137697
	Zinc	2250	2500	90	90 - 110	P	10/29/2025	18:55	LB137697

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Metals

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CRDL STANDARD FOR AA & ICP

Client: HDR, Inc. **SDG No.:** Q3466

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	0.16	0.2	81	70 - 130	CV	10/28/2025	13:04	LB137668
CRI01	Aluminum	97.1	100	97	65 - 135	P	10/29/2025	14:16	LB137697
	Antimony	49.9	50.0	100	65 - 135	P	10/29/2025	14:16	LB137697
	Arsenic	19.9	20.0	99	65 - 135	P	10/29/2025	14:16	LB137697
	Barium	102	100	102	65 - 135	P	10/29/2025	14:16	LB137697
	Beryllium	6.41	6.0	107	65 - 135	P	10/29/2025	14:16	LB137697
	Cadmium	5.84	6.0	97	65 - 135	P	10/29/2025	14:16	LB137697
	Calcium	2050	2000	103	65 - 135	P	10/29/2025	14:16	LB137697
	Chromium	10.3	10.0	103	65 - 135	P	10/29/2025	14:16	LB137697
	Cobalt	29.6	30.0	99	65 - 135	P	10/29/2025	14:16	LB137697
	Copper	21.6	20.0	108	65 - 135	P	10/29/2025	14:16	LB137697
	Iron	98.0	100	98	65 - 135	P	10/29/2025	14:16	LB137697
	Lead	11.6	12.0	97	65 - 135	P	10/29/2025	14:16	LB137697
	Magnesium	2120	2000	106	65 - 135	P	10/29/2025	14:16	LB137697
	Manganese	22.0	20.0	110	65 - 135	P	10/29/2025	14:16	LB137697
	Nickel	40.3	40.0	101	65 - 135	P	10/29/2025	14:16	LB137697
	Potassium	1850	2000	92	65 - 135	P	10/29/2025	14:16	LB137697
	Selenium	23.0	20.0	115	65 - 135	P	10/29/2025	14:16	LB137697
	Silver	11.0	10.0	110	65 - 135	P	10/29/2025	14:16	LB137697
	Sodium	1940	2000	97	65 - 135	P	10/29/2025	14:16	LB137697
	Thallium	44.2	40.0	111	65 - 135	P	10/29/2025	14:16	LB137697
	Vanadium	43.2	40.0	108	65 - 135	P	10/29/2025	14:16	LB137697
	Zinc	42.4	40.0	106	65 - 135	P	10/29/2025	14:16	LB137697

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INTERFERENCE CHECK SAMPLE

Client: HDR, Inc. **SDG No.:** Q3466

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	238000	255000	93	216000	294000	10/29/2025	14:21	LB137697
	Antimony	-3.02			-50	50	10/29/2025	14:21	LB137697
	Arsenic	4.77			-20	20	10/29/2025	14:21	LB137697
	Barium	5.72	6.0	95	-94	106	10/29/2025	14:21	LB137697
	Beryllium	1.70			-6	6	10/29/2025	14:21	LB137697
	Cadmium	0.66	1.0	66	-5	7	10/29/2025	14:21	LB137697
	Calcium	231000	245000	94	208000	282000	10/29/2025	14:21	LB137697
	Chromium	48.9	52.0	94	42	62	10/29/2025	14:21	LB137697
	Cobalt	1.62			-30	30	10/29/2025	14:21	LB137697
	Copper	14.1	2.0	705	-18	22	10/29/2025	14:21	LB137697
	Iron	95000	101000	94	85600	116500	10/29/2025	14:21	LB137697
	Lead	0.038			-12	12	10/29/2025	14:21	LB137697
	Magnesium	246000	255000	96	216000	294000	10/29/2025	14:21	LB137697
	Manganese	7.78	7.0	111	-13	27	10/29/2025	14:21	LB137697
	Nickel	4.85	2.0	242	-38	42	10/29/2025	14:21	LB137697
	Potassium	22.1			0	0	10/29/2025	14:21	LB137697
	Selenium	1.76			-20	20	10/29/2025	14:21	LB137697
	Silver	0.89			-10	10	10/29/2025	14:21	LB137697
	Sodium	125			0	0	10/29/2025	14:21	LB137697
	Thallium	10.3			-40	40	10/29/2025	14:21	LB137697
	Vanadium	4.98			-40	40	10/29/2025	14:21	LB137697
	Zinc	3.72			-40	40	10/29/2025	14:21	LB137697
ICSAB01	Aluminum	236000	247000	96	209000	285000	10/29/2025	14:25	LB137697
	Antimony	580	618	94	525	711	10/29/2025	14:25	LB137697
	Arsenic	105	104	101	88.4	120	10/29/2025	14:25	LB137697
	Barium	478	537	89	437	637	10/29/2025	14:25	LB137697
	Beryllium	501	495	101	420	570	10/29/2025	14:25	LB137697
	Cadmium	963	972	99	826	1120	10/29/2025	14:25	LB137697
	Calcium	229000	235000	97	199000	271000	10/29/2025	14:25	LB137697
	Chromium	538	542	99	460	624	10/29/2025	14:25	LB137697
	Cobalt	486	476	102	404	548	10/29/2025	14:25	LB137697
	Copper	474	511	93	434	588	10/29/2025	14:25	LB137697
	Iron	94700	99300	95	84400	114500	10/29/2025	14:25	LB137697
	Lead	47.4	49.0	97	37	61	10/29/2025	14:25	LB137697
	Magnesium	244000	248000	98	210000	286000	10/29/2025	14:25	LB137697
	Manganese	479	507	94	430	584	10/29/2025	14:25	LB137697
	Nickel	968	954	102	810	1100	10/29/2025	14:25	LB137697
	Potassium	-81.1			0	0	10/29/2025	14:25	LB137697
	Selenium	51.1	46.0	111	26	66	10/29/2025	14:25	LB137697
	Silver	202	201	100	170	232	10/29/2025	14:25	LB137697
	Sodium	95.8			0	0	10/29/2025	14:25	LB137697
	Thallium	105	108	97	68	148	10/29/2025	14:25	LB137697

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Metals
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INTERFERENCE CHECK SAMPLE

Client: HDR, Inc. **SDG No.:** Q3466

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	469	491	96	417	565	10/29/2025	14:25	LB137697
	Zinc	999	952	105	809	1095	10/29/2025	14:25	LB137697

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: HDR, Inc. **level:** low **sdg no.:** Q3466

contract: HDRI08 **lab code:** ACE

matrix: Solid **sample id:** Q3451-01 **client id:** TP-11MS

Percent Solids for Sample: 89.8 **Spiked ID:** Q3451-01MS **Percent Solids for Spike Sample:** 89.8

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.31		0.014	U	0.31	101		CV

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: HDR, Inc. **level:** low **sdg no.:** Q3466

contract: HDRI08 **lab code:** ACE

matrix: Solid **sample id:** Q3451-01 **client id:** TP-11MSD

Percent Solids for Sample: 89.8 **Spiked ID:** Q3451-01MSD **Percent Solids for Spike Sample:** 89.8

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.29		0.014	U	0.28	104		CV

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metals
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MATRIX SPIKE SUMMARY

client: HDR, Inc. **level:** low **sdg no.:** Q3466

contract: HDRI08 **lab code:** ACE

matrix: Solid **sample id:** Q3469-01 **client id:** TP-13MS

Percent Solids for Sample: 91.1 **Spiked ID:** Q3469-01MS **Percent Solids for Spike Sample:** 91.1

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	5060		4010		97.6	1074		P
Antimony	mg/Kg	75 - 125	17.8		2.39	U	39.0	46	N	P
Arsenic	mg/Kg	75 - 125	34.8		1.48		39.0	85		P
Barium	mg/Kg	75 - 125	23.8		14.2		9.8	98		P
Beryllium	mg/Kg	75 - 125	8.81		0.35		9.8	86		P
Cadmium	mg/Kg	75 - 125	9.63		0.064	J	9.8	98		P
Calcium	mg/Kg	75 - 125	683		554		48.8	263		P
Chromium	mg/Kg	75 - 125	23.9		5.56		19.5	94		P
Cobalt	mg/Kg	75 - 125	13.6		3.16		9.8	107		P
Copper	mg/Kg	75 - 125	31.1		16.0		14.6	103		P
Iron	mg/Kg	75 - 125	9800		7710		150	1393		P
Lead	mg/Kg	75 - 125	52.8		5.18		48.8	97		P
Magnesium	mg/Kg	75 - 125	1310		1130		97.6	180		P
Manganese	mg/Kg	75 - 125	213		192		9.8	213		P
Nickel	mg/Kg	75 - 125	31.8		6.36		24.4	104		P
Potassium	mg/Kg	75 - 125	951		413		490	110		P
Selenium	mg/Kg	75 - 125	79.7		0.96	U	97.6	82		P
Silver	mg/Kg	75 - 125	3.42		0.12	J	3.7	89		P
Sodium	mg/Kg	75 - 125	484		321		150	109		P
Thallium	mg/Kg	75 - 125	95.9		1.91	U	97.6	98		P
Vanadium	mg/Kg	75 - 125	22.6		8.79		14.6	95		P
Zinc	mg/Kg	75 - 125	23.8		13.4		9.8	106		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: HDR, Inc. **level:** low **sdg no.:** Q3466

contract: HDRI08 **lab code:** ACE

matrix: Solid **sample id:** Q3469-01 **client id:** TP-13MSD

Percent Solids for Sample: 91.1 **Spiked ID:** Q3469-01MSD **Percent Solids for Spike Sample:** 91.1

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	4210		4010		96.3	206		P
Antimony	mg/Kg	75 - 125	17.4		2.39	U	38.5	45	N	P
Arsenic	mg/Kg	75 - 125	32.8		1.48		38.5	81		P
Barium	mg/Kg	75 - 125	21.4		14.2		9.6	76		P
Beryllium	mg/Kg	75 - 125	8.08		0.35		9.6	81		P
Cadmium	mg/Kg	75 - 125	8.83		0.064	J	9.6	91		P
Calcium	mg/Kg	75 - 125	568		554		48.1	29		P
Chromium	mg/Kg	75 - 125	21.4		5.56		19.3	82		P
Cobalt	mg/Kg	75 - 125	12.2		3.16		9.6	94		P
Copper	mg/Kg	75 - 125	27.2		16.0		14.4	78		P
Iron	mg/Kg	75 - 125	7310		7710		140	-287		P
Lead	mg/Kg	75 - 125	48.0		5.18		48.1	89		P
Magnesium	mg/Kg	75 - 125	1110		1130		96.3	-29		P
Manganese	mg/Kg	75 - 125	190		192		9.6	-17		P
Nickel	mg/Kg	75 - 125	28.3		6.36		24.1	91		P
Potassium	mg/Kg	75 - 125	847		413		480	91		P
Selenium	mg/Kg	75 - 125	76.2		0.96	U	96.3	79		P
Silver	mg/Kg	75 - 125	3.19		0.12	J	3.6	85		P
Sodium	mg/Kg	75 - 125	425		321		140	75		P
Thallium	mg/Kg	75 - 125	87.8		1.91	U	96.3	91		P
Vanadium	mg/Kg	75 - 125	20.0		8.79		14.4	78		P
Zinc	mg/Kg	75 - 125	20.4		13.4		9.6	73	N	P

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Metals
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POST DIGEST SPIKE SUMMARY

Client: HDR, Inc. **SDG No.:** Q3466

Contract: HDRI08 **Lab Code:** ACE

Matrix: Solid **Level:** LOW **Client ID:** TP-13A

Sample ID: Q3469-01 **Spiked ID:** Q3469-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	75 - 125	31.3		2.39	U	38.2	82		P
Zinc	mg/Kg	75 - 125	21.4		13.4		9.50	84		P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: HDR, Inc. **Level:** LOW **SDG No.:** Q3466

Contract: HDRI08 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q3451-01 **Client ID:** TP-11DUP

Percent Solids for Sample: 89.8 **Duplicate ID** Q3451-01DUP **Percent Solids for Spike Sample:** 89.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.014	U	0.014	U			CV

"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.:** Q3466

Contract: HDRI08 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q3451-01MS **Client ID:** TP-11MSD

Percent Solids for Sample: 89.8 **Duplicate ID** Q3451-01MSD **Percent Solids for Spike Sample:** 89.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.31		0.29		7		CV

"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.:** Q3466

Contract: HDRI08 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q3469-01 **Client ID:** TP-13DUP

Percent Solids for Sample: 91.1 **Duplicate ID** Q3469-01DUP **Percent Solids for Spike Sample:** 91.1

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	4010		3830		5		P
Antimony	mg/Kg	20	2.39	U	2.45	U			P
Arsenic	mg/Kg	20	1.48		1.50		1		P
Barium	mg/Kg	20	14.2		13.2		7		P
Beryllium	mg/Kg	20	0.35		0.33		5		P
Cadmium	mg/Kg	20	0.064	J	0.045	J	35		P
Calcium	mg/Kg	20	554		541		2		P
Chromium	mg/Kg	20	5.56		6.20		11		P
Cobalt	mg/Kg	20	3.16		3.21		2		P
Copper	mg/Kg	20	16.0		16.1		1		P
Iron	mg/Kg	20	7710		7810		1		P
Lead	mg/Kg	20	5.18		5.11		1		P
Magnesium	mg/Kg	20	1130		1030		9		P
Manganese	mg/Kg	20	192		176		9		P
Nickel	mg/Kg	20	6.36		6.27		1		P
Potassium	mg/Kg	20	413		447		8		P
Selenium	mg/Kg	20	0.96	U	0.98	U			P
Silver	mg/Kg	20	0.12	J	0.15	J	24		P
Sodium	mg/Kg	20	321		314		2		P
Thallium	mg/Kg	20	1.91	U	1.96	U			P
Vanadium	mg/Kg	20	8.79		9.48		8		P
Zinc	mg/Kg	20	13.4		12.9		4		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.:** Q3466

Contract: HDRI08 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q3469-01MS **Client ID:** TP-13MSD

Percent Solids for Sample: 91.1 **Duplicate ID** Q3469-01MSD **Percent Solids for Spike Sample:** 91.1

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	5060		4210		18		P
Antimony	mg/Kg	20	17.8		17.4		2		P
Arsenic	mg/Kg	20	34.8		32.8		6		P
Barium	mg/Kg	20	23.8		21.4		11		P
Beryllium	mg/Kg	20	8.81		8.08		9		P
Cadmium	mg/Kg	20	9.63		8.83		9		P
Calcium	mg/Kg	20	683		568		18		P
Chromium	mg/Kg	20	23.9		21.4		11		P
Cobalt	mg/Kg	20	13.6		12.2		11		P
Copper	mg/Kg	20	31.1		27.2		13		P
Iron	mg/Kg	20	9800		7310		29	*	P
Lead	mg/Kg	20	52.8		48.0		10		P
Magnesium	mg/Kg	20	1310		1110		17		P
Manganese	mg/Kg	20	213		190		11		P
Nickel	mg/Kg	20	31.8		28.3		12		P
Potassium	mg/Kg	20	951		847		12		P
Selenium	mg/Kg	20	79.7		76.2		4		P
Silver	mg/Kg	20	3.42		3.19		7		P
Sodium	mg/Kg	20	484		425		13		P
Thallium	mg/Kg	20	95.9		87.8		9		P
Vanadium	mg/Kg	20	22.6		20.0		12		P
Zinc	mg/Kg	20	23.8		20.4		15		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.:** Q3466

Contract: HDRI08 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170271BS							
Mercury	mg/Kg	0.28	0.28		99	80 - 120	CV

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LABORATORY CONTROL SAMPLE SUMMARY

Client: HDR, Inc. **SDG No.:** Q3466

Contract: HDRI08 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170288BS							
Aluminum	mg/Kg	100	93.0		93	80 - 120	P
Antimony	mg/Kg	40.0	39.5		99	80 - 120	P
Arsenic	mg/Kg	40.0	38.1		95	80 - 120	P
Barium	mg/Kg	10.0	9.56		96	80 - 120	P
Beryllium	mg/Kg	10.0	9.94		99	80 - 120	P
Cadmium	mg/Kg	10.0	9.14		91	80 - 120	P
Calcium	mg/Kg	50.0	48.9	J	98	80 - 120	P
Chromium	mg/Kg	20.0	19.8		99	80 - 120	P
Cobalt	mg/Kg	10.0	9.39		94	80 - 120	P
Copper	mg/Kg	15.0	15.0		100	80 - 120	P
Iron	mg/Kg	150	143		95	80 - 120	P
Lead	mg/Kg	50.0	45.7		91	80 - 120	P
Magnesium	mg/Kg	100	97.2	J	97	80 - 120	P
Manganese	mg/Kg	10.0	9.70		97	80 - 120	P
Nickel	mg/Kg	25.0	23.6		94	80 - 120	P
Potassium	mg/Kg	500	464		93	80 - 120	P
Selenium	mg/Kg	100	94.6		95	80 - 120	P
Silver	mg/Kg	3.8	3.72		98	80 - 120	P
Sodium	mg/Kg	150	144		96	80 - 120	P
Thallium	mg/Kg	100	84.7		85	80 - 120	P
Vanadium	mg/Kg	15.0	14.5		97	80 - 120	P
Zinc	mg/Kg	10.0	9.93		99	80 - 120	P

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ICP SERIAL DILUTIONS

SAMPLE NO.

TP-11L

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **Lb No.:** lb137668 **Lab Sample ID :** Q3451-01L **SDG No.:** Q3466

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
Mercury	0.014	U	0.071	U			CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

TP-13L

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **Lb No.:** lb137697 **Lab Sample ID :** Q3469-01L **SDG No.:** Q3466

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	4010		4630		15		P
Antimony	2.39	U	11.9	U			P
Arsenic	1.48		1.52	J	2		P
Barium	14.2		16.8	J	18		P
Beryllium	0.35		0.41	J	19		P
Cadmium	0.064	J	1.43	U	100.0		P
Calcium	554		641		16		P
Chromium	5.56		6.24		12		P
Cobalt	3.16		3.21	J	2		P
Copper	16.0		19.5		22		P
Iron	7710		8790		14		P
Lead	5.18		5.45		5		P
Magnesium	1130		1300		15		P
Manganese	192		224		17		P
Nickel	6.36		6.52	J	3		P
Potassium	413		433	J	5		P
Selenium	0.96	U	4.77	U			P
Silver	0.12	J	2.39	U	100.0		P
Sodium	321		345	J	7		P
Thallium	1.91	U	9.55	U			P
Vanadium	8.79		10.9		24		P
Zinc	13.4		15.4		14		P

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ANALYSIS RUN LOG

Client: HDR, Inc. **Contract:** HDRI08

Lab code: ACE **Sdg no.:** Q3466

Instrument id number: **Method:** **Run number:** LB137668

Start date: 10/28/2025 **End date:** 10/28/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1232	HG
S0.2	S0.2	1	1235	HG
S2.5	S2.5	1	1237	HG
S5	S5	1	1239	HG
S7.5	S7.5	1	1242	HG
S10	S10	1	1245	HG
ICV90	ICV90	1	1251	HG
ICB90	ICB90	1	1253	HG
CCV97	CCV97	1	1256	HG
CCB97	CCB97	1	1258	HG
CRA	CRA	1	1304	HG
PB170271BL	PB170271BL	1	1311	HG
PB170271BS	PB170271BS	1	1314	HG
Q3451-01DUP	TP-11DUP	1	1321	HG
Q3451-01MS	TP-11MS	1	1324	HG
Q3451-01MSD	TP-11MSD	1	1326	HG
CCV98	CCV98	1	1331	HG
CCB98	CCB98	1	1333	HG
Q3466-02	B8-0.0-1.0-20251023	1	1356	HG
Q3466-05	B9-0.0-1.0-20251023	1	1358	HG
CCV99	CCV99	1	1401	HG
CCB99	CCB99	1	1403	HG
Q3466-07	B7-1.0-2.0-20251023	1	1406	HG
Q3451-01L	TP-11L	5	1411	HG
CCV100	CCV100	1	1423	HG
CCB100	CCB100	1	1425	HG

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ANALYSIS RUN LOG

Client: HDR, Inc. **Contract:** HDRI08

Lab code: ACE **Sdg no.:** Q3466

Instrument id number: **Method:** **Run number:** LB137697

Start date: 10/29/2025 **End date:** 10/29/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1336	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	1340	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	1344	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	1349	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	1353	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	1357	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	1401	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	1407	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	1412	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	1416	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	1421	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	1425	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	1437	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	1441	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB170288BL	PB170288BL	1	1504	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB170288BS	PB170288BS	1	1508	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3466-02	B8-0.0-1.0-20251023	1	1516	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3466-05	B9-0.0-1.0-20251023	1	1520	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3466-07	B7-1.0-2.0-20251023	1	1524	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	1543	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	1548	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3469-01DUP	TP-13DUP	1	1556	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3469-01L	TP-13L	5	1600	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3469-01MS	TP-13MS	1	1604	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3469-01MSD	TP-13MSD	1	1608	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3469-01A	TP-13A	1	1612	Sb,Zn
CCV03	CCV03	1	1637	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	1641	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	1727	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	1731	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	1803	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	1807	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	1855	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	1904	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.:** Q3466

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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ICP INTERELEMENT CORRECTION FACTORS

Client: HDR, Inc.
SDG No.: Q3466
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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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: HDR, Inc. **SDG No.:** Q3466

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
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: HDR, Inc. **SDG No.:** Q3466

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

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: HDR, Inc. **SDG No.:** Q3466

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:	Q3466	**OrderDate:**	10/24/2025 3:18:10 PM
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
Q3466-02	**B8-0.0-1.0-20251023**	**SOIL**			**10/23/25**			**10/24/25**
			Mercury	7471B		10/27/25	10/28/25	
			Metals ICP-TAL	6010D		10/28/25	10/29/25	
Q3466-05	**B9-0.0-1.0-20251023**	**SOIL**			**10/23/25**			**10/24/25**
			Mercury	7471B		10/27/25	10/28/25	
			Metals ICP-TAL	6010D		10/28/25	10/29/25	
Q3466-07	**B7-1.0-2.0-20251023**	**SOIL**			**10/23/25**			**10/24/25**
			Mercury	7471B		10/27/25	10/28/25	
			Metals ICP-TAL	6010D		10/28/25	10/29/25	

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: HDR, Inc. **SDG No.:** Q3466

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:	**PB170271**						
PB170271BL	PB170271BL	MB	SOLID	10/27/2025	0.50	35.0	100.00
PB170271BS	PB170271BS	LCS	SOLID	10/27/2025	0.50	35.0	100.00
Q3451-01DUP	TP-11DUP	DUP	SOLID	10/27/2025	0.56	35.0	89.80
Q3451-01MS	TP-11MS	MS	SOLID	10/27/2025	0.50	35.0	89.80
Q3451-01MSD	TP-11MSD	MSD	SOLID	10/27/2025	0.55	35.0	89.80
Q3466-02	B8-0.0-1.0-20251023	SAM	SOLID	10/27/2025	0.53	35.0	85.30
Q3466-05	B9-0.0-1.0-20251023	SAM	SOLID	10/27/2025	0.56	35.0	83.20
Q3466-07	B7-1.0-2.0-20251023	SAM	SOLID	10/27/2025	0.57	35.0	89.20

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Metals
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SAMPLE PREPARATION SUMMARY

Client: HDR, Inc. **SDG No.:** Q3466

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:	**PB170288**						
PB170288BL	PB170288BL	MB	SOLID	10/28/2025	2.00	100.0	100.00
PB170288BS	PB170288BS	LCS	SOLID	10/28/2025	2.00	100.0	100.00
Q3466-02	B8-0.0-1.0-20251023	SAM	SOLID	10/28/2025	2.14	100.0	85.30
Q3466-05	B9-0.0-1.0-20251023	SAM	SOLID	10/28/2025	2.14	100.0	83.20
Q3466-07	B7-1.0-2.0-20251023	SAM	SOLID	10/28/2025	2.20	100.0	89.20
Q3469-01DUP	TP-13DUP	DUP	SOLID	10/28/2025	2.24	100.0	91.10
Q3469-01MS	TP-13MS	MS	SOLID	10/28/2025	2.25	100.0	91.10
Q3469-01MSD	TP-13MSD	MSD	SOLID	10/28/2025	2.28	100.0	91.10

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137668

Review By	mohan	Review On	10/30/2025 3:55:07 PM
Supervise By	jaswal	Supervise On	10/30/2025 3:55:31 PM

STD. NAME	STD REF.#
ICAL Standard	MP87754,MP87755,MP87756,MP87757,MP87758,MP87759
ICV Standard	MP87760
CCV Standard	MP87762
ICSA Standard	
CRI Standard	MP87764
LCS Standard	
Chk Standard	MP87761,MP87763,MP87765,MP87751

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	10/28/25 12:32		mohan	OK
2	S0.2	S0.2	CAL2	10/28/25 12:35		mohan	OK
3	S2.5	S2.5	CAL3	10/28/25 12:37		mohan	OK
4	S5	S5	CAL4	10/28/25 12:39		mohan	OK
5	S7.5	S7.5	CAL5	10/28/25 12:42		mohan	OK
6	S10	S10	CAL6	10/28/25 12:45		mohan	OK
7	ICV90	ICV90	ICV	10/28/25 12:51		mohan	OK
8	ICB90	ICB90	ICB	10/28/25 12:53		mohan	OK
9	CCV97	CCV97	CCV	10/28/25 12:56		mohan	OK
10	CCB97	CCB97	CCB	10/28/25 12:58		mohan	OK
11	CRA	CRA	CRDL	10/28/25 13:04		mohan	OK
12	HighStd	HighStd	HIGH STD	10/28/25 13:06		mohan	OK
13	ChkStd	ChkStd	SAM	10/28/25 13:08		mohan	OK
14	PB170271BL	PB170271BL	MB	10/28/25 13:11		mohan	OK
15	PB170271BS	PB170271BS	LCS	10/28/25 13:14		mohan	OK
16	Q3451-01	TP-11	SAM	10/28/25 13:16		mohan	OK
17	Q3451-01DUP	TP-11DUP	DUP	10/28/25 13:21		mohan	OK
18	Q3451-01MS	TP-11MS	MS	10/28/25 13:24		mohan	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137668

Review By	mohan	Review On	10/30/2025 3:55:07 PM
Supervise By	jaswal	Supervise On	10/30/2025 3:55:31 PM

STD. NAME	STD REF.#
ICAL Standard	MP87754,MP87755,MP87756,MP87757,MP87758,MP87759
ICV Standard	MP87760
CCV Standard	MP87762
ICSA Standard	
CRI Standard	MP87764
LCS Standard	
Chk Standard	MP87761,MP87763,MP87765,MP87751

19	Q3451-01MSD	TP-11MSD	MSD	10/28/25 13:26		mohan	OK
20	Q3451-05	TP-12	SAM	10/28/25 13:29		mohan	OK
21	CCV98	CCV98	CCV	10/28/25 13:31		mohan	OK
22	CCB98	CCB98	CCB	10/28/25 13:33		mohan	OK
23	Q3452-01	JB-1	SAM	10/28/25 13:36	Hg is High , Need dilution	mohan	Dilution
24	Q3457-01	TR-05-102425	SAM	10/28/25 13:38		mohan	OK
25	Q3460-01	WC-1	SAM	10/28/25 13:41		mohan	OK
26	Q3460-05	WC-2	SAM	10/28/25 13:44		mohan	OK
27	Q3460-09	WC-3	SAM	10/28/25 13:46		mohan	OK
28	Q3460-13	WC-4	SAM	10/28/25 13:49		mohan	OK
29	Q3460-17	WC-5	SAM	10/28/25 13:51		mohan	OK
30	Q3465-01	SU-03-10242025	SAM	10/28/25 13:54		mohan	OK
31	Q3466-02	B8-0.0-1.0-20251023	SAM	10/28/25 13:56		mohan	OK
32	Q3466-05	B9-0.0-1.0-20251023	SAM	10/28/25 13:58		mohan	OK
33	CCV99	CCV99	CCV	10/28/25 14:01		mohan	OK
34	CCB99	CCB99	CCB	10/28/25 14:03		mohan	OK
35	Q3466-07	B7-1.0-2.0-20251023	SAM	10/28/25 14:06		mohan	OK
36	Q3469-01	TP-13	SAM	10/28/25 14:08		mohan	OK
37	Q3451-01L	TP-11L	SD	10/28/25 14:11		mohan	OK
38	Q3451-01A	TP-11A	PS	10/28/25 14:13		mohan	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137668

Review By	mohan	Review On	10/30/2025 3:55:07 PM
Supervise By	jaswal	Supervise On	10/30/2025 3:55:31 PM

STD. NAME	STD REF.#
ICAL Standard	MP87754,MP87755,MP87756,MP87757,MP87758,MP87759
ICV Standard	MP87760
CCV Standard	MP87762
ICSA Standard	
CRI Standard	MP87764
LCS Standard	
Chk Standard	MP87761,MP87763,MP87765,MP87751

39	Q3452-01DL	JB-1DL	SAM	10/28/25 14:20	10X For Hg	mohan	Confirms
40	CCV100	CCV100	CCV	10/28/25 14:23		mohan	OK
41	CCB100	CCB100	CCB	10/28/25 14:25		mohan	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137697

Review By	Janvi	Review On	10/31/2025 10:49:23 AM
Supervise By	mohan	Supervise On	11/3/2025 10:12:07 AM

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	10/29/25 13:36		Jaswal	OK
2	S1	S1	CAL2	10/29/25 13:40		Jaswal	OK
3	S2	S2	CAL3	10/29/25 13:44		Jaswal	OK
4	S3	S3	CAL4	10/29/25 13:49		Jaswal	OK
5	S4	S4	CAL5	10/29/25 13:53		Jaswal	OK
6	S5	S5	CAL6	10/29/25 13:57		Jaswal	OK
7	ICV01	ICV01	ICV	10/29/25 14:01		Jaswal	OK
8	LLICV01	LLICV01	LLICV	10/29/25 14:07		Jaswal	OK
9	ICB01	ICB01	ICB	10/29/25 14:12		Jaswal	OK
10	CRI01	CRI01	CRDL	10/29/25 14:16		Jaswal	OK
11	ICSA01	ICSA01	ICSA	10/29/25 14:21		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	10/29/25 14:25		Jaswal	OK
13	ICSADL	ICSADL	ICSA	10/29/25 14:29		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	10/29/25 14:33		Jaswal	OK
15	CCV01	CCV01	CCV	10/29/25 14:37		Jaswal	OK
16	CCB01	CCB01	CCB	10/29/25 14:41		Jaswal	OK
17	LR-1	LR-1	HIGH STD	10/29/25 14:46		Jaswal	OK
18	LR-2	LR-2	HIGH STD	10/29/25 14:50		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137697

Review By	Janvi	Review On	10/31/2025 10:49:23 AM
Supervise By	mohan	Supervise On	11/3/2025 10:12:07 AM

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	LR-3	LR-3	HIGH STD	10/29/25 14:55		Jaswal	OK
20	Q3465-01	SU-03-10242025	SAM	10/29/25 15:00		Jaswal	OK
21	PB170288BL	PB170288BL	MB	10/29/25 15:04		Jaswal	OK
22	PB170288BS	PB170288BS	LCS	10/29/25 15:08		Jaswal	OK
23	Q3447-05DL2	P001-TW3-251023-01	SAM	10/29/25 15:12	10X for Cu,Pb	Jaswal	Confirms
24	Q3466-02	B8-0.0-1.0-20251023	SAM	10/29/25 15:16		Jaswal	OK
25	Q3466-05	B9-0.0-1.0-20251023	SAM	10/29/25 15:20		Jaswal	OK
26	Q3466-07	B7-1.0-2.0-20251023	SAM	10/29/25 15:24		Jaswal	OK
27	CCV02	CCV02	CCV	10/29/25 15:43		Jaswal	OK
28	CCB02	CCB02	CCB	10/29/25 15:48		Jaswal	OK
29	Q3469-01	TP-13	SAM	10/29/25 15:52		Jaswal	OK
30	Q3469-01DUP	TP-13DUP	DUP	10/29/25 15:56		Jaswal	OK
31	Q3469-01L	TP-13L	SD	10/29/25 16:00		Jaswal	OK
32	Q3469-01MS	TP-13MS	MS	10/29/25 16:04		Jaswal	OK
33	Q3469-01MSD	TP-13MSD	MSD	10/29/25 16:08		Jaswal	OK
34	Q3469-01A	TP-13A	PS	10/29/25 16:12	0.1ml of each m6008 and m6017 in 10ml sample.	Jaswal	OK
35	PB170264BL	PB170264BL	MB	10/29/25 16:16		Jaswal	OK
36	PB170264BS	PB170264BS	LCS	10/29/25 16:24		Jaswal	OK
37	Q3442-01	SW-1	SAM	10/29/25 16:29		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137697

Review By	Janvi	Review On	10/31/2025 10:49:23 AM
Supervise By	mohan	Supervise On	11/3/2025 10:12:07 AM

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

38	Q3464-02	MW3	SAM	10/29/25 16:33		Jaswal	OK
39	CCV03	CCV03	CCV	10/29/25 16:37		Jaswal	OK
40	CCB03	CCB03	CCB	10/29/25 16:41		Jaswal	OK
41	Q3464-01	MW2	SAM	10/29/25 16:45		Jaswal	OK
42	Q3464-01DUP	MW2DUP	DUP	10/29/25 16:50		Jaswal	OK
43	Q3464-01L	MW2L	SD	10/29/25 16:54		Jaswal	OK
44	Q3464-01MS	MW2MS	MS	10/29/25 16:58		Jaswal	OK
45	Q3464-01MSD	MW2MSD	MSD	10/29/25 17:02		Jaswal	OK
46	Q3464-01A	MW2A	PS	10/29/25 17:06	0.1ml of each m6008 and m6017 in 10ml sample.	Jaswal	OK
47	Q3476-01	NB-07-102825	SAM	10/29/25 17:19		Jaswal	OK
48	Q3477-01	SOUTH-MAHWAH-SC	SAM	10/29/25 17:23		Jaswal	OK
49	CCV04	CCV04	CCV	10/29/25 17:27		Jaswal	OK
50	CCB04	CCB04	CCB	10/29/25 17:31		Jaswal	OK
51	Q3480-01	RT3449	SAM	10/29/25 17:35	Ag is oversaturated, Need dilution	Jaswal	Dilution
52	Q3481-01	OR-02-102825	SAM	10/29/25 17:39		Jaswal	OK
53	Q3481-01DUP	OR-02-102825DUP	DUP	10/29/25 17:43		Jaswal	OK
54	Q3481-01L	OR-02-102825L	SD	10/29/25 17:48		Jaswal	OK
55	Q3481-01MS	OR-02-102825MS	MS	10/29/25 17:52		Jaswal	OK
56	Q3481-01MSD	OR-02-102825MSD	MSD	10/29/25 17:56		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137697

Review By	Janvi	Review On	10/31/2025 10:49:23 AM
Supervise By	mohan	Supervise On	11/3/2025 10:12:07 AM

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

57	Q3481-01A	OR-02-102825A	PS	10/29/25 17:59	0.1ml of each m6008 and m6017 in 10ml sample.	Jaswal	OK
58	CCV05	CCV05	CCV	10/29/25 18:03		Jaswal	OK
59	CCB05	CCB05	CCB	10/29/25 18:07		Jaswal	OK
60	Q3420-05	COMPOSITE	SAM	10/29/25 18:12	Na oversaturated	Jaswal	Dilution
61	Q3420-05DUP	COMPOSITEDUP	DUP	10/29/25 18:16	Na High	Jaswal	Dilution
62	Q3420-05L	COMPOSITEL	SD	10/29/25 18:20	Na High in original/dup/ms/msd	Jaswal	Dilution
63	Q3420-05MS	COMPOSITEMS	MS	10/29/25 18:25	Na High	Jaswal	Dilution
64	Q3420-05MSD	COMPOSITEMSD	MSD	10/29/25 18:29	Na High	Jaswal	Dilution
65	Q3420-05A	COMPOSITEA	PS	10/29/25 18:33	Na High, 0.1ml of each m6008 and m6017 in 10ml sample.	Jaswal	Dilution
66	CCV06	CCV06	CCV	10/29/25 18:55		Jaswal	OK
67	CCB06	CCB06	CCB	10/29/25 19:04		Jaswal	OK

Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB170271

SOP ID : M7471B-Mercury-19

SDG No : NA

Matrix : SOIL

Pippete ID: HG A

Balance ID : M SC-3

Filter paper ID : N/A

pH Strip ID : NA

Hood ID : #1

Block ID: 1. HG HOT BLOCK#3 2. N/A

Start Digest Date: 10/27/2025 **Time :** 14:40 **Temp :** 94 °C

End Digest Date: 10/27/2025 **Time :** 15:10 **Temp :** 94 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: MN

Supervisor Signature: MN

Temp : 1. 94°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP87742
CCV	30mL	MP87744
CRA	30mL	MP87746
Blank Spike	0.48mL	MP87734
Matrix Spike	0.48mL	MP87734

Chemical Used	ML/SAMPLE USED	Lot Number
AQUA REGIA	1.5Ml	MP87748
KMnO4 (5%)	4.5mL	MP87072
Hydroxylamine HCL (12%)	2.0Ml	MP87149
PTFE Boiling Stones	--------	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	MP87735
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP87737
2.5 ppb	S2.5	30mL	MP87738
5.0 ppb	S5.0	30mL	MP87739
7.5 ppb	S7.5	30mL	MP87740
10.0 ppb	S10.0	30mL	MP87741
ICV	ICV	30mL	MP87742
ICB	ICB	30mL	MP87743
CCV	CCV	30mL	MP87744
CCB	CCB	30mL	MP87745
CRI	CRI	30mL	MP87746
CHK STD	CHK STD	30mL	MP87747

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/27/25 16:10	MN mek 10/27	MN mek 10/28
	Preparation Group	**Analysis Group**

Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB170271

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Comment	Prep Pos
PB170271BL	PBS271	0.50	35	N/A	N/A	3-1
PB170271BS	LCS271	0.50	35	N/A	MP87734	2
Q3451-01MS	TP-11MS	0.50	35	N/A	MP87734	5
Q3451-01MSD	TP-11MSD	0.55	35	N/A	MP87734	6
Q3451-01DUP	TP-11DUP	0.56	35	N/A	N/A	4
Q3451-01	TP-11	0.55	35	N/A	N/A	3
Q3451-05	TP-12	0.52	35	N/A	N/A	7
Q3452-01	JB-1	0.59	35	N/A	N/A	8
Q3457-01	TR-05-102425	0.53	35	N/A	N/A	9
Q3460-01	WC-1	0.58	35	N/A	N/A	10
Q3460-05	WC-2	0.56	35	N/A	N/A	11
Q3460-09	WC-3	0.58	35	N/A	N/A	12
Q3460-13	WC-4	0.52	35	N/A	N/A	13
Q3460-17	WC-5	0.54	35	N/A	N/A	14
Q3465-01	SU-03-10242025	0.52	35	N/A	N/A	15
Q3466-02	B8-0.0-1.0-20251023	0.53	35	N/A	N/A	16
Q3466-05	B9-0.0-1.0-20251023	0.56	35	N/A	N/A	17
Q3466-07	B7-1.0-2.0-20251023	0.57	35	N/A	N/A	18
Q3469-01	TP-13	0.50	35	N/A	N/A	19

A B C D E F G H I J

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB170288

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: 10/28/2025 **Time :** 10:40 **Temp :** 96 °C

End Digest Date: 10/28/2025 **Time :** 12:42 **Temp :** 96 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #2

Dig Technician Signature: SJ

Supervisor Signature: SJ

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	M6158
1:1 HNO3	10.00	MP86978
30% H2O2	3.00	M6170
Conc. HNO3	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
10/28/25 13:42	SJ's metals	SJ (metals lab)
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB170288

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
PB170288BL	PBS288	N/A	2.00	100	Colorless	Colorless	Fine	No	N/A	1
PB170288BS	LCS288	N/A	2.00	100	Colorless	Colorless	Fine	No	M6209,M6201	2
Q3465-01	SU-03-10242025	N/A	2.40	100	Brown	Yellow	Medium	No	N/A	3
Q3466-02	B8-0.0-1.0-20251023	N/A	2.14	100	Brown	Yellow	Medium	No	N/A	4
Q3466-05	B9-0.0-1.0-20251023	N/A	2.14	100	Brown	Yellow	Medium	No	N/A	5
Q3466-07	B7-1.0-2.0-20251023	N/A	2.20	100	Brown	Yellow	Medium	No	N/A	6
Q3469-01	TP-13	N/A	2.30	100	Brown	Yellow	Medium	No	N/A	7
Q3469-01MS	TP-13MS	N/A	2.25	100	Brown	Yellow	Medium	No	M6209,M6201	9
Q3469-01MSD	TP-13MSD	N/A	2.28	100	Brown	Yellow	Medium	No	M6209,M6201	10
Q3469-01DUP	TP-13DUP	N/A	2.24	100	Brown	Yellow	Medium	No	N/A	8

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Hit Summary Sheet
SW-846

SDG No.: Q3466 **Order ID:** Q3466

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

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : B8-0.0-1.0-20251023								
Q3466-03	B8-0.0-1.0-20251023	TCLP	Barium	1090		72.8	500	ug/L
Q3466-03	B8-0.0-1.0-20251023	TCLP	Chromium	13.9	J	10.6	50.0	ug/L
Q3466-03	B8-0.0-1.0-20251023	TCLP	Lead	54.7	J	11.5	60.0	ug/L

SAMPLE DATA

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	10/23/25
Project:	PVWC Linear Construction	Date Received:	10/24/25
Client Sample ID:	B8-0.0-1.0-20251023	SDG No.:	Q3466
Lab Sample ID:	Q3466-03	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	10/28/25 12:30	10/28/25 20:06	6010D	SW3010A
7440-39-3	Barium	1090	N	1	72.8	500	ug/L	10/28/25 12:30	10/28/25 20:06	6010D	SW3010A
7440-43-9	Cadmium	2.50	U	1	2.50	30.0	ug/L	10/28/25 12:30	10/28/25 20:06	6010D	SW3010A
7440-47-3	Chromium	13.9	J	1	10.6	50.0	ug/L	10/28/25 12:30	10/28/25 20:06	6010D	SW3010A
7439-92-1	Lead	54.7	J	1	11.5	60.0	ug/L	10/28/25 12:30	10/28/25 20:06	6010D	SW3010A
7439-97-6	Mercury	0.76	U	1	0.76	2.00	ug/L	10/28/25 12:30	10/28/25 16:03	7470A	7470A
7782-49-2	Selenium	48.2	U	1	48.2	100	ug/L	10/28/25 12:30	10/28/25 20:06	6010D	SW3010A
7440-22-4	Silver	8.10	U	1	8.10	50.0	ug/L	10/28/25 12:30	10/28/25 20:06	6010D	SW3010A

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.:** Q3466

Contract: HDRI08 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB91	Mercury	0.076	+/-0.2	U	0.20	CV	10/28/2025	15:17	LB137673

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3466

Contract: HDRI08 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Mercury	0.076	+/-0.2	U	0.20	CV	10/28/2025	15:22	LB137673
CCB02	Mercury	0.076	+/-0.2	U	0.20	CV	10/28/2025	15:50	LB137673
CCB03	Mercury	0.076	+/-0.2	U	0.20	CV	10/28/2025	16:21	LB137673
CCB04	Mercury	0.076	+/-0.2	U	0.20	CV	10/28/2025	16:37	LB137673

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3466

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	10/28/2025	12:38	LB137677
	Barium	14.6	+/-50	U	100	P	10/28/2025	12:38	LB137677
	Cadmium	0.50	+/-3	U	6.00	P	10/28/2025	12:38	LB137677
	Chromium	2.12	+/-5	U	10.0	P	10/28/2025	12:38	LB137677
	Lead	2.30	+/-6	U	12.0	P	10/28/2025	12:38	LB137677
	Selenium	9.64	+/-10	U	20.0	P	10/28/2025	12:38	LB137677
	Silver	1.62	+/-5	U	10.0	P	10/28/2025	12:38	LB137677

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3466

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	10/28/2025	13:08	LB137677
	Barium	14.6	+/-50	U	100	P	10/28/2025	13:08	LB137677
	Cadmium	0.50	+/-3	U	6.00	P	10/28/2025	13:08	LB137677
	Chromium	2.12	+/-5	U	10.0	P	10/28/2025	13:08	LB137677
	Lead	2.30	+/-6	U	12.0	P	10/28/2025	13:08	LB137677
	Selenium	9.64	+/-10	U	20.0	P	10/28/2025	13:08	LB137677
	Silver	1.62	+/-5	U	10.0	P	10/28/2025	13:08	LB137677
CCB02	Arsenic	5.12	+/-10	U	20.0	P	10/28/2025	14:05	LB137677
	Barium	14.6	+/-50	U	100	P	10/28/2025	14:05	LB137677
	Cadmium	0.50	+/-3	U	6.00	P	10/28/2025	14:05	LB137677
	Chromium	2.12	+/-5	U	10.0	P	10/28/2025	14:05	LB137677
	Lead	2.30	+/-6	U	12.0	P	10/28/2025	14:05	LB137677
	Selenium	9.64	+/-10	U	20.0	P	10/28/2025	14:05	LB137677
	Silver	1.62	+/-5	U	10.0	P	10/28/2025	14:05	LB137677
CCB03	Arsenic	5.12	+/-10	U	20.0	P	10/28/2025	14:57	LB137677
	Barium	14.6	+/-50	U	100	P	10/28/2025	14:57	LB137677
	Cadmium	0.50	+/-3	U	6.00	P	10/28/2025	14:57	LB137677
	Chromium	2.12	+/-5	U	10.0	P	10/28/2025	14:57	LB137677
	Lead	2.30	+/-6	U	12.0	P	10/28/2025	14:57	LB137677
	Selenium	9.64	+/-10	U	20.0	P	10/28/2025	14:57	LB137677
	Silver	1.62	+/-5	U	10.0	P	10/28/2025	14:57	LB137677
CCB04	Arsenic	5.12	+/-10	U	20.0	P	10/28/2025	15:49	LB137677
	Barium	14.6	+/-50	U	100	P	10/28/2025	15:49	LB137677
	Cadmium	0.50	+/-3	U	6.00	P	10/28/2025	15:49	LB137677
	Chromium	2.12	+/-5	U	10.0	P	10/28/2025	15:49	LB137677
	Lead	2.30	+/-6	U	12.0	P	10/28/2025	15:49	LB137677
	Selenium	9.64	+/-10	U	20.0	P	10/28/2025	15:49	LB137677
	Silver	1.62	+/-5	U	10.0	P	10/28/2025	15:49	LB137677
CCB05	Arsenic	5.12	+/-10	U	20.0	P	10/28/2025	16:39	LB137677
	Barium	14.6	+/-50	U	100	P	10/28/2025	16:39	LB137677
	Cadmium	0.50	+/-3	U	6.00	P	10/28/2025	16:39	LB137677
	Chromium	2.12	+/-5	U	10.0	P	10/28/2025	16:39	LB137677
	Lead	2.30	+/-6	U	12.0	P	10/28/2025	16:39	LB137677
	Selenium	9.64	+/-10	U	20.0	P	10/28/2025	16:39	LB137677
	Silver	1.62	+/-5	U	10.0	P	10/28/2025	16:39	LB137677
CCB06	Arsenic	5.12	+/-10	U	20.0	P	10/28/2025	17:32	LB137677
	Barium	14.6	+/-50	U	100	P	10/28/2025	17:32	LB137677
	Cadmium	0.50	+/-3	U	6.00	P	10/28/2025	17:32	LB137677
	Chromium	2.12	+/-5	U	10.0	P	10/28/2025	17:32	LB137677

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3466

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	10/28/2025	17:32	LB137677
	Selenium	9.64	+/-10	U	20.0	P	10/28/2025	17:32	LB137677
	Silver	1.62	+/-5	U	10.0	P	10/28/2025	17:32	LB137677
CCB07	Arsenic	5.12	+/-10	U	20.0	P	10/28/2025	18:21	LB137677
	Barium	14.6	+/-50	U	100	P	10/28/2025	18:21	LB137677
	Cadmium	0.50	+/-3	U	6.00	P	10/28/2025	18:21	LB137677
	Chromium	2.12	+/-5	U	10.0	P	10/28/2025	18:21	LB137677
	Lead	2.30	+/-6	U	12.0	P	10/28/2025	18:21	LB137677
	Selenium	9.64	+/-10	U	20.0	P	10/28/2025	18:21	LB137677
	Silver	1.62	+/-5	U	10.0	P	10/28/2025	18:21	LB137677
CCB08	Arsenic	5.12	+/-10	U	20.0	P	10/28/2025	19:10	LB137677
	Barium	14.6	+/-50	U	100	P	10/28/2025	19:10	LB137677
	Cadmium	0.50	+/-3	U	6.00	P	10/28/2025	19:10	LB137677
	Chromium	2.12	+/-5	U	10.0	P	10/28/2025	19:10	LB137677
	Lead	2.30	+/-6	U	12.0	P	10/28/2025	19:10	LB137677
	Selenium	9.64	+/-10	U	20.0	P	10/28/2025	19:10	LB137677
	Silver	1.62	+/-5	U	10.0	P	10/28/2025	19:10	LB137677
CCB09	Arsenic	5.12	+/-10	U	20.0	P	10/28/2025	20:02	LB137677
	Barium	14.6	+/-50	U	100	P	10/28/2025	20:02	LB137677
	Cadmium	0.50	+/-3	U	6.00	P	10/28/2025	20:02	LB137677
	Chromium	2.12	+/-5	U	10.0	P	10/28/2025	20:02	LB137677
	Lead	2.30	+/-6	U	12.0	P	10/28/2025	20:02	LB137677
	Selenium	9.64	+/-10	U	20.0	P	10/28/2025	20:02	LB137677
	Silver	1.62	+/-5	U	10.0	P	10/28/2025	20:02	LB137677
CCB10	Arsenic	5.12	+/-10	U	20.0	P	10/28/2025	20:54	LB137677
	Barium	14.6	+/-50	U	100	P	10/28/2025	20:54	LB137677
	Cadmium	0.50	+/-3	U	6.00	P	10/28/2025	20:54	LB137677
	Chromium	2.12	+/-5	U	10.0	P	10/28/2025	20:54	LB137677
	Lead	2.30	+/-6	U	12.0	P	10/28/2025	20:54	LB137677
	Selenium	9.64	+/-10	U	20.0	P	10/28/2025	20:54	LB137677
	Silver	1.62	+/-5	U	10.0	P	10/28/2025	20:54	LB137677

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3466

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB170261TB		**WATER**		**Batch Number:**	**PB170292**		**Prep Date:**	**10/28/2025**	
	Mercury	0.76	<2	U	2.00	CV	10/28/2025	16:28	LB137673

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB170292BL		**WATER**		**Batch Number:**	**PB170292**		**Prep Date:**	**10/28/2025**	
	Mercury	0.076	<0.2	U	0.20	CV	10/28/2025	15:31	LB137673

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: HDR, Inc. **SDG No.:** Q3466

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB170261TB		**WATER**		**Batch Number:**	**PB170291**		**Prep Date:**	**10/28/2025**	
	Arsenic	25.6	<50	U	100	P	10/28/2025	19:02	LB137677
	Barium	72.8	<250	U	500	P	10/28/2025	19:02	LB137677
	Cadmium	2.50	<15	U	30.0	P	10/28/2025	19:02	LB137677
	Chromium	10.6	<25	U	50.0	P	10/28/2025	19:02	LB137677
	Lead	11.5	<30	U	60.0	P	10/28/2025	19:02	LB137677
	Selenium	48.2	<50	U	100	P	10/28/2025	19:02	LB137677
	Silver	8.10	<25	U	50.0	P	10/28/2025	19:02	LB137677

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB170291BL		**WATER**		**Batch Number:**	**PB170291**		**Prep Date:**	**10/28/2025**	
	Arsenic	25.6	<50	U	100	P	10/28/2025	18:53	LB137677
	Barium	72.8	<250	U	500	P	10/28/2025	18:53	LB137677
	Cadmium	2.50	<15	U	30.0	P	10/28/2025	18:53	LB137677
	Chromium	10.6	<25	U	50.0	P	10/28/2025	18:53	LB137677
	Lead	11.5	<30	U	60.0	P	10/28/2025	18:53	LB137677
	Selenium	48.2	<50	U	100	P	10/28/2025	18:53	LB137677
	Silver	8.10	<25	U	50.0	P	10/28/2025	18:53	LB137677

METAL CALIBRATION DATA

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc.

SDG No.: Q3466

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
ICV91	Mercury	3.65	4.0	91	90 - 110	CV	10/28/2025	15:15	LB137673

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc.

SDG No.: Q3466

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
CCV01	Mercury	5.14	5.0	103	90 - 110	CV	10/28/2025	15:20	LB137673
CCV02	Mercury	5.17	5.0	104	90 - 110	CV	10/28/2025	15:47	LB137673
CCV03	Mercury	5.02	5.0	100	90 - 110	CV	10/28/2025	16:19	LB137673
CCV04	Mercury	5.06	5.0	101	90 - 110	CV	10/28/2025	16:34	LB137673

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc.
SDG No.: Q3466
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	3820	4000	95	90 - 110	P	10/28/2025	12:30	LB137677
	Barium	7600	8000	95	90 - 110	P	10/28/2025	12:30	LB137677
	Cadmium	1900	2000	95	90 - 110	P	10/28/2025	12:30	LB137677
	Chromium	783	800	98	90 - 110	P	10/28/2025	12:30	LB137677
	Lead	3730	4000	93	90 - 110	P	10/28/2025	12:30	LB137677
	Selenium	3820	4000	95	90 - 110	P	10/28/2025	12:30	LB137677
	Silver	963	1000	96	90 - 110	P	10/28/2025	12:30	LB137677

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc.
SDG No.: Q3466
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	20.3	20.0	102	80 - 120	P	10/28/2025	12:34	LB137677
	Barium	93.0	100	93	80 - 120	P	10/28/2025	12:34	LB137677
	Cadmium	5.86	6.0	98	80 - 120	P	10/28/2025	12:34	LB137677
	Chromium	10.6	10.0	106	80 - 120	P	10/28/2025	12:34	LB137677
	Lead	12.0	12.0	100	80 - 120	P	10/28/2025	12:34	LB137677
	Selenium	20.7	20.0	104	80 - 120	P	10/28/2025	12:34	LB137677
	Silver	12.0	10.0	120	80 - 120	P	10/28/2025	12:34	LB137677

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc.

SDG No.: Q3466

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	4950	5000	99	90 - 110	P	10/28/2025	13:03	LB137677
	Barium	10000	10000	100	90 - 110	P	10/28/2025	13:03	LB137677
	Cadmium	2480	2500	99	90 - 110	P	10/28/2025	13:03	LB137677
	Chromium	989	1000	99	90 - 110	P	10/28/2025	13:03	LB137677
	Lead	4910	5000	98	90 - 110	P	10/28/2025	13:03	LB137677
	Selenium	4960	5000	99	90 - 110	P	10/28/2025	13:03	LB137677
	Silver	1240	1250	99	90 - 110	P	10/28/2025	13:03	LB137677
CCV02	Arsenic	5220	5000	104	90 - 110	P	10/28/2025	14:01	LB137677
	Barium	10200	10000	102	90 - 110	P	10/28/2025	14:01	LB137677
	Cadmium	2610	2500	104	90 - 110	P	10/28/2025	14:01	LB137677
	Chromium	1060	1000	106	90 - 110	P	10/28/2025	14:01	LB137677
	Lead	5150	5000	103	90 - 110	P	10/28/2025	14:01	LB137677
	Selenium	5230	5000	105	90 - 110	P	10/28/2025	14:01	LB137677
	Silver	1290	1250	104	90 - 110	P	10/28/2025	14:01	LB137677
CCV03	Arsenic	4950	5000	99	90 - 110	P	10/28/2025	14:53	LB137677
	Barium	10500	10000	105	90 - 110	P	10/28/2025	14:53	LB137677
	Cadmium	2510	2500	101	90 - 110	P	10/28/2025	14:53	LB137677
	Chromium	1040	1000	104	90 - 110	P	10/28/2025	14:53	LB137677
	Lead	4950	5000	99	90 - 110	P	10/28/2025	14:53	LB137677
	Selenium	4940	5000	99	90 - 110	P	10/28/2025	14:53	LB137677
	Silver	1280	1250	102	90 - 110	P	10/28/2025	14:53	LB137677
CCV04	Arsenic	4930	5000	98	90 - 110	P	10/28/2025	15:45	LB137677
	Barium	9920	10000	99	90 - 110	P	10/28/2025	15:45	LB137677
	Cadmium	2500	2500	100	90 - 110	P	10/28/2025	15:45	LB137677
	Chromium	1000	1000	100	90 - 110	P	10/28/2025	15:45	LB137677
	Lead	4920	5000	98	90 - 110	P	10/28/2025	15:45	LB137677
	Selenium	4930	5000	98	90 - 110	P	10/28/2025	15:45	LB137677
	Silver	1240	1250	99	90 - 110	P	10/28/2025	15:45	LB137677
CCV05	Arsenic	5100	5000	102	90 - 110	P	10/28/2025	16:35	LB137677
	Barium	10300	10000	103	90 - 110	P	10/28/2025	16:35	LB137677
	Cadmium	2560	2500	102	90 - 110	P	10/28/2025	16:35	LB137677
	Chromium	1030	1000	103	90 - 110	P	10/28/2025	16:35	LB137677
	Lead	5060	5000	101	90 - 110	P	10/28/2025	16:35	LB137677
	Selenium	5090	5000	102	90 - 110	P	10/28/2025	16:35	LB137677

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc.

SDG No.: Q3466

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	1280	1250	102	90 - 110	P	10/28/2025	16:35	LB137677
CCV06	Arsenic	4960	5000	99	90 - 110	P	10/28/2025	17:27	LB137677
	Barium	10000	10000	100	90 - 110	P	10/28/2025	17:27	LB137677
	Cadmium	2520	2500	101	90 - 110	P	10/28/2025	17:27	LB137677
	Chromium	1010	1000	101	90 - 110	P	10/28/2025	17:27	LB137677
	Lead	4960	5000	99	90 - 110	P	10/28/2025	17:27	LB137677
	Selenium	4970	5000	99	90 - 110	P	10/28/2025	17:27	LB137677
	Silver	1260	1250	101	90 - 110	P	10/28/2025	17:27	LB137677
CCV07	Arsenic	4970	5000	99	90 - 110	P	10/28/2025	18:17	LB137677
	Barium	10200	10000	102	90 - 110	P	10/28/2025	18:17	LB137677
	Cadmium	2520	2500	101	90 - 110	P	10/28/2025	18:17	LB137677
	Chromium	1010	1000	101	90 - 110	P	10/28/2025	18:17	LB137677
	Lead	4950	5000	99	90 - 110	P	10/28/2025	18:17	LB137677
	Selenium	4970	5000	99	90 - 110	P	10/28/2025	18:17	LB137677
	Silver	1260	1250	101	90 - 110	P	10/28/2025	18:17	LB137677
CCV08	Arsenic	5110	5000	102	90 - 110	P	10/28/2025	19:06	LB137677
	Barium	10500	10000	105	90 - 110	P	10/28/2025	19:06	LB137677
	Cadmium	2600	2500	104	90 - 110	P	10/28/2025	19:06	LB137677
	Chromium	1030	1000	103	90 - 110	P	10/28/2025	19:06	LB137677
	Lead	5090	5000	102	90 - 110	P	10/28/2025	19:06	LB137677
	Selenium	5120	5000	102	90 - 110	P	10/28/2025	19:06	LB137677
	Silver	1290	1250	104	90 - 110	P	10/28/2025	19:06	LB137677
CCV09	Arsenic	4990	5000	100	90 - 110	P	10/28/2025	19:58	LB137677
	Barium	10300	10000	104	90 - 110	P	10/28/2025	19:58	LB137677
	Cadmium	2530	2500	101	90 - 110	P	10/28/2025	19:58	LB137677
	Chromium	1010	1000	101	90 - 110	P	10/28/2025	19:58	LB137677
	Lead	4960	5000	99	90 - 110	P	10/28/2025	19:58	LB137677
	Selenium	5000	5000	100	90 - 110	P	10/28/2025	19:58	LB137677
	Silver	1280	1250	102	90 - 110	P	10/28/2025	19:58	LB137677
CCV10	Arsenic	4880	5000	98	90 - 110	P	10/28/2025	20:49	LB137677
	Barium	10100	10000	101	90 - 110	P	10/28/2025	20:49	LB137677
	Cadmium	2480	2500	99	90 - 110	P	10/28/2025	20:49	LB137677
	Chromium	987	1000	99	90 - 110	P	10/28/2025	20:49	LB137677
	Lead	4850	5000	97	90 - 110	P	10/28/2025	20:49	LB137677

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: HDR, Inc.
SDG No.: Q3466
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
CCV10	Selenium	4880	5000	98	90 - 110	P	10/28/2025	20:49	LB137677
	Silver	1230	1250	99	90 - 110	P	10/28/2025	20:49	LB137677

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Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: HDR, Inc. **SDG No.:** Q3466

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	19.5	20.0	97	65 - 135	P	10/28/2025	12:42	LB137677
	Barium	103	100	103	65 - 135	P	10/28/2025	12:42	LB137677
	Cadmium	5.75	6.0	96	65 - 135	P	10/28/2025	12:42	LB137677
	Chromium	10.4	10.0	104	65 - 135	P	10/28/2025	12:42	LB137677
	Lead	11.5	12.0	96	65 - 135	P	10/28/2025	12:42	LB137677
	Selenium	20.5	20.0	102	65 - 135	P	10/28/2025	12:42	LB137677
	Silver	10.6	10.0	106	65 - 135	P	10/28/2025	12:42	LB137677
CRA	Mercury	0.21	0.2	106	70 - 130	CV	10/28/2025	15:24	LB137673

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Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: HDR, Inc. **SDG No.:** Q3466

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	5.71			-20	20	10/28/2025	12:47	LB137677
	Barium	0.81	6.0	14	-94	106	10/28/2025	12:47	LB137677
	Cadmium	2.04	1.0	204	-5	7	10/28/2025	12:47	LB137677
	Chromium	48.4	52.0	93	42	62	10/28/2025	12:47	LB137677
	Lead	4.98			-12	12	10/28/2025	12:47	LB137677
	Selenium	1.71			-20	20	10/28/2025	12:47	LB137677
	Silver	1.71			-10	10	10/28/2025	12:47	LB137677
ICSAB01	Arsenic	104	104	100	88.4	120	10/28/2025	12:51	LB137677
	Barium	472	537	88	437	637	10/28/2025	12:51	LB137677
	Cadmium	966	972	99	826	1120	10/28/2025	12:51	LB137677
	Chromium	530	542	98	460	624	10/28/2025	12:51	LB137677
	Lead	52.4	49.0	107	37	61	10/28/2025	12:51	LB137677
	Selenium	46.1	46.0	100	26	66	10/28/2025	12:51	LB137677
	Silver	203	201	101	170	232	10/28/2025	12:51	LB137677

METAL QC DATA

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metals
- 5a -
MATRIX SPIKE SUMMARY

client: HDR, Inc. **level:** low **sdg no.:** Q3466

contract: HDRI08 **lab code:** ACE

matrix: Water **sample id:** Q3460-04 **client id:** WC-1MS

Percent Solids for Sample: NA **Spiked ID:** Q3460-04MS **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	3860		100	U	4000	96		P
Barium	ug/L	75 - 125	2420		1040		1000	137	N	P
Cadmium	ug/L	75 - 125	963		30.0	U	1000	96		P
Chromium	ug/L	75 - 125	1970		50.0	U	2000	98		P
Lead	ug/L	75 - 125	5240		534		5000	94		P
Mercury	ug/L	75 - 125	36.1		2.00	U	40.0	90		CV
Selenium	ug/L	75 - 125	9680		100	U	10000	97		P
Silver	ug/L	75 - 125	354		50.0	U	380	93		P

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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: HDR, Inc. **level:** low **sdg no.:** Q3466

contract: HDRI08 **lab code:** ACE

matrix: Water **sample id:** Q3460-04 **client id:** WC-1MSD

Percent Solids for Sample: NA **Spiked ID:** Q3460-04MSD **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	4030		100	U	4000	101		P
Barium	ug/L	75 - 125	2320		1040		1000	127	N	P
Cadmium	ug/L	75 - 125	994		30.0	U	1000	99		P
Chromium	ug/L	75 - 125	2040		50.0	U	2000	102		P
Lead	ug/L	75 - 125	5300		534		5000	95		P
Mercury	ug/L	75 - 125	34.5		2.00	U	40.0	86		CV
Selenium	ug/L	75 - 125	10100		100	U	10000	101		P
Silver	ug/L	75 - 125	371		50.0	U	380	98		P

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Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: HDR, Inc. **SDG No.:** Q3466

Contract: HDRI08 **Lab Code:** ACE

Matrix: Water **Level:** LOW **Client ID:** WC-1A

Sample ID: Q3460-04 **Spiked ID:** Q3460-04A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Barium	ug/L	75 - 125	2030		1040		1000	99		P

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Metals

- 6 -
DUPLICATE SAMPLE SUMMARY

Client: HDR, Inc. **Level:** LOW **SDG No.:** Q3466

Contract: HDRI08 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q3460-04 **Client ID:** WC-1DUP

Percent Solids for Sample: NA **Duplicate ID** Q3460-04DUP **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	1040		1010		3		P
Cadmium	ug/L	20	30.0	U	2.54	J	200.0		P
Chromium	ug/L	20	50.0	U	50.0	U			P
Lead	ug/L	20	534		534		0		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.:** Q3466

Contract: HDRI08 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q3460-04MS **Client ID:** WC-1MSD

Percent Solids for Sample: NA **Duplicate ID** Q3460-04MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	3860		4030		4		P
Barium	ug/L	20	2420		2320		4		P
Cadmium	ug/L	20	963		994		3		P
Chromium	ug/L	20	1970		2040		3		P
Lead	ug/L	20	5240		5300		1		P
Mercury	ug/L	20	36.1		34.5		5		CV
Selenium	ug/L	20	9680		10100		4		P
Silver	ug/L	20	354		371		5		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.:** Q3466

Contract: HDRI08 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170291BS							
Arsenic	ug/L	4000	3800		95	80 - 120	P
Barium	ug/L	1000	994		99	80 - 120	P
Cadmium	ug/L	1000	937		94	80 - 120	P
Chromium	ug/L	2000	1980		99	80 - 120	P
Lead	ug/L	5000	4620		92	80 - 120	P
Selenium	ug/L	10000	9530		95	80 - 120	P
Silver	ug/L	380	366		96	80 - 120	P

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: HDR, Inc. **SDG No.:** Q3466

Contract: HDRI08 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170292BS							
Mercury	ug/L	4.0	3.51		88	80 - 120	CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

WC-1L

Lab Name: Alliance **Contract:** HDRI08

Lab Code: ACE **Lb No.:** lb137677 **Lab Sample ID :** Q3460-04L **SDG No.:** Q3466

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	1040		1070	J	3		P
Cadmium	30.0	U	150	U			P
Chromium	50.0	U	250	U			P
Lead	534		507		5		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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metals
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ANALYSIS RUN LOG

Client: HDR, Inc. **Contract:** HDRI08

Lab code: ACE **Sdg no.:** Q3466

Instrument id number: **Method:** **Run number:** LB137673

Start date: 10/28/2025 **End date:** 10/28/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1455	HG
S0.2	S0.2	1	1458	HG
S2.5	S2.5	1	1500	HG
S5	S5	1	1502	HG
S7.5	S7.5	1	1505	HG
S10	S10	1	1510	HG
ICV91	ICV91	1	1515	HG
ICB91	ICB91	1	1517	HG
CCV01	CCV01	1	1520	HG
CCB01	CCB01	1	1522	HG
CRA	CRA	1	1524	HG
PB170292BL	PB170292BL	1	1531	HG
PB170292BS	PB170292BS	1	1534	HG
Q3460-04DUP	WC-1DUP	1	1538	HG
Q3460-04MS	WC-1MS	1	1540	HG
Q3460-04MSD	WC-1MSD	1	1543	HG
CCV02	CCV02	1	1547	HG
CCB02	CCB02	1	1550	HG
Q3466-03	B8-0.0-1.0-20251023	1	1603	HG
CCV03	CCV03	1	1619	HG
CCB03	CCB03	1	1621	HG
PB170261TB	PB170261TB	1	1628	HG
Q3460-04L	WC-1L	5	1630	HG
CCV04	CCV04	1	1634	HG
CCB04	CCB04	1	1637	HG

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metals
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ANALYSIS RUN LOG

Client: HDR, Inc. **Contract:** HDRI08

Lab code: ACE **Sdg no.:** Q3466

Instrument id number: **Method:** **Run number:** LB137677

Start date: 10/28/2025 **End date:** 10/28/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1152	Ag,As,Ba,Cd,Cr,Pb,Se
S1	S1	1	1156	Ag,As,Ba,Cd,Cr,Pb,Se
S2	S2	1	1201	Ag,As,Ba,Cd,Cr,Pb,Se
S3	S3	1	1205	Ag,As,Ba,Cd,Cr,Pb,Se
S4	S4	1	1209	Ag,As,Ba,Cd,Cr,Pb,Se
S5	S5	1	1213	Ag,As,Ba,Cd,Cr,Pb,Se
ICV01	ICV01	1	1230	Ag,As,Ba,Cd,Cr,Pb,Se
LLICV01	LLICV01	1	1234	Ag,As,Ba,Cd,Cr,Pb,Se
ICB01	ICB01	1	1238	Ag,As,Ba,Cd,Cr,Pb,Se
CRI01	CRI01	1	1242	Ag,As,Ba,Cd,Cr,Pb,Se
ICSA01	ICSA01	1	1247	Ag,As,Ba,Cd,Cr,Pb,Se
ICSAB01	ICSAB01	1	1251	Ag,As,Ba,Cd,Cr,Pb,Se
CCV01	CCV01	1	1303	Ag,As,Ba,Cd,Cr,Pb,Se
CCB01	CCB01	1	1308	Ag,As,Ba,Cd,Cr,Pb,Se
CCV02	CCV02	1	1401	Ag,As,Ba,Cd,Cr,Pb,Se
CCB02	CCB02	1	1405	Ag,As,Ba,Cd,Cr,Pb,Se
CCV03	CCV03	1	1453	Ag,As,Ba,Cd,Cr,Pb,Se
CCB03	CCB03	1	1457	Ag,As,Ba,Cd,Cr,Pb,Se
CCV04	CCV04	1	1545	Ag,As,Ba,Cd,Cr,Pb,Se
CCB04	CCB04	1	1549	Ag,As,Ba,Cd,Cr,Pb,Se
CCV05	CCV05	1	1635	Ag,As,Ba,Cd,Cr,Pb,Se
CCB05	CCB05	1	1639	Ag,As,Ba,Cd,Cr,Pb,Se
CCV06	CCV06	1	1727	Ag,As,Ba,Cd,Cr,Pb,Se
CCB06	CCB06	1	1732	Ag,As,Ba,Cd,Cr,Pb,Se
CCV07	CCV07	1	1817	Ag,As,Ba,Cd,Cr,Pb,Se
CCB07	CCB07	1	1821	Ag,As,Ba,Cd,Cr,Pb,Se
PB170291BL	PB170291BL	1	1853	Ag,As,Ba,Cd,Cr,Pb,Se
PB170291BS	PB170291BS	1	1858	Ag,As,Ba,Cd,Cr,Pb,Se
PB170261TB	PB170261TB	1	1902	Ag,As,Ba,Cd,Cr,Pb,Se
CCV08	CCV08	1	1906	Ag,As,Ba,Cd,Cr,Pb,Se
CCB08	CCB08	1	1910	Ag,As,Ba,Cd,Cr,Pb,Se
Q3460-04DUP	WC-1DUP	1	1919	Ag,As,Ba,Cd,Cr,Pb,Se
Q3460-04L	WC-1L	5	1923	Ag,As,Ba,Cd,Cr,Pb,Se
Q3460-04MS	WC-1MS	1	1928	Ag,As,Ba,Cd,Cr,Pb,Se
Q3460-04MSD	WC-1MSD	1	1932	Ag,As,Ba,Cd,Cr,Pb,Se
Q3460-04A	WC-1A	1	1936	Ba
CCV09	CCV09	1	1958	Ag,As,Ba,Cd,Cr,Pb,Se
CCB09	CCB09	1	2002	Ag,As,Ba,Cd,Cr,Pb,Se
Q3466-03	B8-0.0-1.0-20251023	1	2006	Ag,As,Ba,Cd,Cr,Pb,Se
CCV10	CCV10	1	2049	Ag,As,Ba,Cd,Cr,Pb,Se
CCB10	CCB10	1	2054	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.:** Q3466

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
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: HDR, Inc. **SDG No.:** Q3466

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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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: HDR, Inc. **SDG No.:** Q3466

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
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: HDR, Inc. **SDG No.:** Q3466

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
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: HDR, Inc. **SDG No.:** Q3466

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:	Q3466	**OrderDate:**	10/24/2025 3:18:10 PM
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
Q3466-02	**B8-0.0-1.0-20251023**	**SOIL**			**10/23/25**			**10/24/25**
			Mercury	7471B		10/27/25	10/28/25	
			Metals ICP-TAL	6010D		10/28/25	10/29/25	
Q3466-03	**B8-0.0-1.0-20251023**	**TCLP**			**10/23/25**			**10/24/25**
			TCLP Mercury	7470A		10/28/25	10/28/25	
			TCLP ICP Metals	6010D		10/28/25	10/28/25	
Q3466-05	**B9-0.0-1.0-20251023**	**SOIL**			**10/23/25**			**10/24/25**
			Mercury	7471B		10/27/25	10/28/25	
			Metals ICP-TAL	6010D		10/28/25	10/29/25	
Q3466-07	**B7-1.0-2.0-20251023**	**SOIL**			**10/23/25**			**10/24/25**
			Mercury	7471B		10/27/25	10/28/25	
			Metals ICP-TAL	6010D		10/28/25	10/29/25	

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: HDR, Inc. **SDG No.:** Q3466

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:	**PB170291**						
PB170261TB	PB170261TB	MB	WATER	10/28/2025	5.0	25.0	
PB170291BL	PB170291BL	MB	WATER	10/28/2025	5.0	25.0	
PB170291BS	PB170291BS	LCS	WATER	10/28/2025	5.0	25.0	
Q3460-04DUP	WC-1DUP	DUP	WATER	10/28/2025	5.0	25.0	
Q3460-04MS	WC-1MS	MS	WATER	10/28/2025	5.0	25.0	
Q3460-04MSD	WC-1MSD	MSD	WATER	10/28/2025	5.0	25.0	
Q3466-03	B8-0.0-1.0-20251023	SAM	WATER	10/28/2025	5.0	25.0	

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Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: HDR, Inc. **SDG No.:** Q3466

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:	**PB170292**						
PB170261TB	PB170261TB	MB	WATER	10/28/2025	3.0	30.0	
PB170292BL	PB170292BL	MB	WATER	10/28/2025	30.0	30.0	
PB170292BS	PB170292BS	LCS	WATER	10/28/2025	30.0	30.0	
Q3460-04DUP	WC-1DUP	DUP	WATER	10/28/2025	3.0	30.0	
Q3460-04MS	WC-1MS	MS	WATER	10/28/2025	3.0	30.0	
Q3460-04MSD	WC-1MSD	MSD	WATER	10/28/2025	3.0	30.0	
Q3466-03	B8-0.0-1.0-20251023	SAM	WATER	10/28/2025	3.0	30.0	

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137673

Review By	mohan	Review On	10/29/2025 10:11:43 AM
Supervise By	jaswal	Supervise On	10/29/2025 1:43:35 PM

STD. NAME	STD REF.#
ICAL Standard	MP87754,MP87755,MP87756,MP87757,MP87758,MP87759
ICV Standard	MP87760
CCV Standard	MP87762
ICSA Standard	
CRI Standard	MP87764
LCS Standard	
Chk Standard	MP87761,MP87763,MP87765,MP87751

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	10/28/25 14:55		mohan	OK
2	S0.2	S0.2	CAL2	10/28/25 14:58		mohan	OK
3	S2.5	S2.5	CAL3	10/28/25 15:00		mohan	OK
4	S5	S5	CAL4	10/28/25 15:02		mohan	OK
5	S7.5	S7.5	CAL5	10/28/25 15:05		mohan	OK
6	S10	S10	CAL6	10/28/25 15:10		mohan	OK
7	ICV91	ICV91	ICV	10/28/25 15:15		mohan	OK
8	ICB91	ICB91	ICB	10/28/25 15:17		mohan	OK
9	CCV01	CCV01	CCV	10/28/25 15:20		mohan	OK
10	CCB01	CCB01	CCB	10/28/25 15:22		mohan	OK
11	CRA	CRA	CRDL	10/28/25 15:24		mohan	OK
12	HighStd	HighStd	HIGH STD	10/28/25 15:26		mohan	OK
13	ChkStd	ChkStd	SAM	10/28/25 15:29		mohan	OK
14	PB170292BL	PB170292BL	MB	10/28/25 15:31		mohan	OK
15	PB170292BS	PB170292BS	LCS	10/28/25 15:34		mohan	OK
16	Q3460-04	WC-1	SAM	10/28/25 15:36		mohan	OK
17	Q3460-04DUP	WC-1DUP	DUP	10/28/25 15:38		mohan	OK
18	Q3460-04MS	WC-1MS	MS	10/28/25 15:40		mohan	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137673

Review By	mohan	Review On	10/29/2025 10:11:43 AM
Supervise By	jaswal	Supervise On	10/29/2025 1:43:35 PM

STD. NAME	STD REF.#
ICAL Standard	MP87754,MP87755,MP87756,MP87757,MP87758,MP87759
ICV Standard	MP87760
CCV Standard	MP87762
ICSA Standard	
CRI Standard	MP87764
LCS Standard	
Chk Standard	MP87761,MP87763,MP87765,MP87751

19	Q3460-04MSD	WC-1MSD	MSD	10/28/25 15:43		mohan	OK
20	Q3460-08	WC-2	SAM	10/28/25 15:45		mohan	OK
21	CCV02	CCV02	CCV	10/28/25 15:47		mohan	OK
22	CCB02	CCB02	CCB	10/28/25 15:50		mohan	OK
23	Q3460-12	WC-3	SAM	10/28/25 15:52		mohan	OK
24	Q3460-16	WC-4	SAM	10/28/25 15:57		mohan	OK
25	Q3460-20	WC-5	SAM	10/28/25 16:00		mohan	OK
26	Q3466-03	B8-0.0-1.0-20251023	SAM	10/28/25 16:03		mohan	OK
27	Q3469-04	TP-13	SAM	10/28/25 16:05		mohan	OK
28	Q3472-05	COMP-1	SAM	10/28/25 16:07		mohan	OK
29	Q3472-07	COMP-2	SAM	10/28/25 16:09		mohan	OK
30	Q3472-09	COMP-3	SAM	10/28/25 16:12		mohan	OK
31	Q3472-11	COMP-4	SAM	10/28/25 16:14		mohan	OK
32	Q3472-13	COMP-5	SAM	10/28/25 16:16		mohan	OK
33	CCV03	CCV03	CCV	10/28/25 16:19		mohan	OK
34	CCB03	CCB03	CCB	10/28/25 16:21		mohan	OK
35	Q3472-15	155	SAM	10/28/25 16:23		mohan	OK
36	Q3472-17	142	SAM	10/28/25 16:25		mohan	OK
37	PB170261TB	PB170261TB	MB	10/28/25 16:28		mohan	OK
38	Q3460-04L	WC-1L	SD	10/28/25 16:30		mohan	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137673

Review By	mohan	Review On	10/29/2025 10:11:43 AM
Supervise By	jaswal	Supervise On	10/29/2025 1:43:35 PM

STD. NAME	STD REF.#
ICAL Standard	MP87754,MP87755,MP87756,MP87757,MP87758,MP87759
ICV Standard	MP87760
CCV Standard	MP87762
ICSA Standard	
CRI Standard	MP87764
LCS Standard	
Chk Standard	MP87761,MP87763,MP87765,MP87751

39	Q3460-04A	WC-1A	PS	10/28/25 16:32		mohan	OK
40	CCV04	CCV04	CCV	10/28/25 16:34		mohan	OK
41	CCB04	CCB04	CCB	10/28/25 16:37		mohan	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137677

Review By	jaswal	Review On	10/29/2025 3:56:34 PM
Supervise By	mohan	Supervise On	11/3/2025 10:11:27 AM

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	10/28/25 11:52		Jaswal	OK
2	S1	S1	CAL2	10/28/25 11:56		Jaswal	OK
3	S2	S2	CAL3	10/28/25 12:01		Jaswal	OK
4	S3	S3	CAL4	10/28/25 12:05		Jaswal	OK
5	S4	S4	CAL5	10/28/25 12:09		Jaswal	OK
6	S5	S5	CAL6	10/28/25 12:13		Jaswal	OK
7	ICV01	ICV01	ICV	10/28/25 12:30		Jaswal	OK
8	LLICV01	LLICV01	LLICV	10/28/25 12:34		Jaswal	OK
9	ICB01	ICB01	ICB	10/28/25 12:38		Jaswal	OK
10	CRI01	CRI01	CRDL	10/28/25 12:42		Jaswal	OK
11	ICSA01	ICSA01	ICSA	10/28/25 12:47		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	10/28/25 12:51		Jaswal	OK
13	ICSADL	ICSADL	ICSA	10/28/25 12:55		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	10/28/25 12:59		Jaswal	OK
15	CCV01	CCV01	CCV	10/28/25 13:03		Jaswal	OK
16	CCB01	CCB01	CCB	10/28/25 13:08		Jaswal	OK
17	LR-1	LR-1	HIGH STD	10/28/25 13:12		Jaswal	OK
18	LR-3	LR-3	HIGH STD	10/28/25 13:21		Jaswal	OK

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

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137677

Review By	jaswal	Review On	10/29/2025 3:56:34 PM
Supervise By	mohan	Supervise On	11/3/2025 10:11:27 AM

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	Q3446-01	SB-14	SAM	10/28/25 13:26		Jaswal	OK
20	LR-2	LR-2	HIGH STD	10/28/25 13:30		Jaswal	OK
21	Q3446-02	SB-15	SAM	10/28/25 13:35		Jaswal	OK
22	Q3446-03	SB-16	SAM	10/28/25 13:39		Jaswal	OK
23	Q3446-04	SB-17	SAM	10/28/25 13:44		Jaswal	OK
24	Q3446-05	SB-18	SAM	10/28/25 13:48		Jaswal	OK
25	Q3446-06	SB-19	SAM	10/28/25 13:52		Jaswal	OK
26	Q3446-07	SB-20	SAM	10/28/25 13:57		Jaswal	OK
27	CCV02	CCV02	CCV	10/28/25 14:01		Jaswal	OK
28	CCB02	CCB02	CCB	10/28/25 14:05		Jaswal	OK
29	Q3446-08	SB-21	SAM	10/28/25 14:09		Jaswal	OK
30	Q3449-06	CF-620-COMP-41	SAM	10/28/25 14:14		Jaswal	OK
31	PB170263BL	PB170263BL	MB	10/28/25 14:18		Jaswal	OK
32	PB170263BS	PB170263BS	LCS	10/28/25 14:22		Jaswal	OK
33	PB170239TB	PB170239TB	MB	10/28/25 14:27		Jaswal	OK
34	PB170202TB	PB170202TB	MB	10/28/25 14:31		Jaswal	OK
35	Q3439-04	TP-9	SAM	10/28/25 14:35		Jaswal	OK
36	Q3439-08	TP-10	SAM	10/28/25 14:40		Jaswal	OK
37	Q3440-04	JB-2	SAM	10/28/25 14:44		Jaswal	OK
38	Q3447-02	P001-TW1-251023-01	SAM	10/28/25 14:49		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137677

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Supervise By	mohan	Supervise On	11/3/2025 10:11:27 AM

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	10/28/25 14:53		Jaswal	OK
40	CCB03	CCB03	CCB	10/28/25 14:57		Jaswal	OK
41	Q3447-04	P001-TW2-251023-01	SAM	10/28/25 15:01		Jaswal	OK
42	Q3447-06	P001-TW3-251023-01	SAM	10/28/25 15:06		Jaswal	OK
43	Q3447-08	P001-TW4-251023-01	SAM	10/28/25 15:10		Jaswal	OK
44	Q3451-04	TP-11	SAM	10/28/25 15:14		Jaswal	OK
45	Q3451-08	TP-12	SAM	10/28/25 15:19		Jaswal	OK
46	Q3452-04	JB-1	SAM	10/28/25 15:23		Jaswal	OK
47	Q3452-04DUP	JB-1DUP	DUP	10/28/25 15:28		Jaswal	OK
48	Q3452-04L	JB-1L	SD	10/28/25 15:32		Jaswal	OK
49	Q3452-04MS	JB-1MS	MS	10/28/25 15:36		Jaswal	OK
50	Q3452-04MSD	JB-1MSD	MSD	10/28/25 15:40		Jaswal	OK
51	CCV04	CCV04	CCV	10/28/25 15:45		Jaswal	OK
52	CCB04	CCB04	CCB	10/28/25 15:49		Jaswal	OK
53	Q3452-04A	JB-1A	PS	10/28/25 15:53		Jaswal	OK
54	Q3422-02	PR132-FB2-2025102	SAM	10/28/25 15:57		Jaswal	OK
55	PB170251BL	PB170251BL	MB	10/28/25 16:01		Jaswal	OK
56	PB170251BS	PB170251BS	LCS	10/28/25 16:06		Jaswal	OK
57	Q3434-02DL	PR132-WC2-2025102	SAM	10/28/25 16:10	5X For Na	Jaswal	Confirms
58	Q3447-01DL	P001-TW1-251023-01	SAM	10/28/25 16:14	5X For Fe, AG	Jaswal	Confirms

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137677

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Supervise By	mohan	Supervise On	11/3/2025 10:11:27 AM

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

59	Q3447-03DL	P001-TW2-251023-01	SAM	10/28/25 16:18	5X For Ag	Jaswal	Confirms
60	Q3447-05DL	P001-TW3-251023-01	SAM	10/28/25 16:22	5X for Cu,Pb, Still Cu,Pb high	Jaswal	Dilution
61	Q3420-05DL	COMPOSITEDL	SAM	10/28/25 16:26	NOT USE	Jaswal	Not Ok
62	Q3420-05DUPDL	COMPOSITEDUPDL	DUP	10/28/25 16:31	NOT USE	Jaswal	Not Ok
63	CCV05	CCV05	CCV	10/28/25 16:35		Jaswal	OK
64	CCB05	CCB05	CCB	10/28/25 16:39		Jaswal	OK
65	Q3417-01DL	101425DL	SAM	10/28/25 16:44	NOT USE	Jaswal	Not Ok
66	Q3420-05MSDL	COMPOSITEMSDL	MS	10/28/25 16:48	NOT USE	Jaswal	Not Ok
67	Q3420-05MSDDL	COMPOSITEMSDDL	MSD	10/28/25 16:53	NOT USE	Jaswal	Not Ok
68	Q3420-05ADL	COMPOSITEADL	PS	10/28/25 16:57	NOT USE	Jaswal	Not Ok
69	Q3420-05LDL	COMPOSITELDL	SD	10/28/25 17:01	NOT USE	Jaswal	Not Ok
70	Q3420-05DL2	COMPOSITEDL2	SAM	10/28/25 17:06	10x for Na	Jaswal	Confirms
71	Q3420-05DUPDL2	COMPOSITEDUPDL2	DUP	10/28/25 17:10	10x for Na	Jaswal	Confirms
72	Q3420-05LDL2	COMPOSITELDL2	SD	10/28/25 17:15	10x for Na	Jaswal	Confirms
73	Q3420-05MSDL2	COMPOSITEMSDL2	MS	10/28/25 17:19	10x for Na	Jaswal	Confirms
74	Q3420-05MSDDL2	COMPOSITEMSDDL2	MSD	10/28/25 17:23	10 x for Na	Jaswal	Confirms
75	CCV06	CCV06	CCV	10/28/25 17:27		Jaswal	OK
76	CCB06	CCB06	CCB	10/28/25 17:32		Jaswal	OK
77	Q3420-05ADL2	COMPOSITEADL2	PS	10/28/25 17:36	NOT REQUIRED	Jaswal	Not Ok

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137677

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Supervise By	mohan	Supervise On	11/3/2025 10:11:27 AM

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

78	PB170265BL	PB170265BL	MB	10/28/25 17:40		Jaswal	OK
79	PB170265BS	PB170265BS	LCS	10/28/25 17:45		Jaswal	OK
80	Q3451-01	TP-11	SAM	10/28/25 17:49		Jaswal	OK
81	Q3451-05	TP-12	SAM	10/28/25 17:53		Jaswal	OK
82	Q3451-05DUP	TP-12DUP	DUP	10/28/25 17:57		Jaswal	OK
83	Q3451-05L	TP-12L	SD	10/28/25 18:01		Jaswal	OK
84	Q3451-05MS	TP-12MS	MS	10/28/25 18:05		Jaswal	OK
85	Q3451-05MSD	TP-12MSD	MSD	10/28/25 18:09		Jaswal	OK
86	Q3451-05A	TP-12A	PS	10/28/25 18:13		Jaswal	OK
87	CCV07	CCV07	CCV	10/28/25 18:17		Jaswal	OK
88	CCB07	CCB07	CCB	10/28/25 18:21		Jaswal	OK
89	Q3452-01	JB-1	SAM	10/28/25 18:25		Jaswal	OK
90	Q3457-01	TR-05-102425	SAM	10/28/25 18:29		Jaswal	OK
91	Q3460-01	WC-1	SAM	10/28/25 18:33		Jaswal	OK
92	Q3460-05	WC-2	SAM	10/28/25 18:37		Jaswal	OK
93	Q3460-09	WC-3	SAM	10/28/25 18:41		Jaswal	OK
94	Q3460-13	WC-4	SAM	10/28/25 18:45		Jaswal	OK
95	Q3460-17	WC-5	SAM	10/28/25 18:49		Jaswal	OK
96	PB170291BL	PB170291BL	MB	10/28/25 18:53		Jaswal	OK
97	PB170291BS	PB170291BS	LCS	10/28/25 18:58		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137677

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Supervise By	mohan	Supervise On	11/3/2025 10:11:27 AM

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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

98	PB170261TB	PB170261TB	MB	10/28/25 19:02		Jaswal	OK
99	CCV08	CCV08	CCV	10/28/25 19:06		Jaswal	OK
100	CCB08	CCB08	CCB	10/28/25 19:10		Jaswal	OK
101	Q3460-04	WC-1	SAM	10/28/25 19:14		Jaswal	OK
102	Q3460-04DUP	WC-1DUP	DUP	10/28/25 19:19		Jaswal	OK
103	Q3460-04L	WC-1L	SD	10/28/25 19:23		Jaswal	OK
104	Q3460-04MS	WC-1MS	MS	10/28/25 19:28		Jaswal	OK
105	Q3460-04MSD	WC-1MSD	MSD	10/28/25 19:32		Jaswal	OK
106	Q3460-04A	WC-1A	PS	10/28/25 19:36		Jaswal	OK
107	Q3460-08	WC-2	SAM	10/28/25 19:40		Jaswal	OK
108	Q3460-12	WC-3	SAM	10/28/25 19:44		Jaswal	OK
109	Q3460-16	WC-4	SAM	10/28/25 19:49		Jaswal	OK
110	Q3460-20	WC-5	SAM	10/28/25 19:53		Jaswal	OK
111	CCV09	CCV09	CCV	10/28/25 19:58	CCV fail for Na	Jaswal	OK
112	CCB09	CCB09	CCB	10/28/25 20:02		Jaswal	OK
113	Q3466-03	B8-0.0-1.0-20251023	SAM	10/28/25 20:06		Jaswal	OK
114	Q3469-04	TP-13	SAM	10/28/25 20:10		Jaswal	OK
115	Q3472-05	COMP-1	SAM	10/28/25 20:15		Jaswal	OK
116	Q3472-07	COMP-2	SAM	10/28/25 20:19		Jaswal	OK
117	Q3472-09	COMP-3	SAM	10/28/25 20:24		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137677

Review By	jaswal	Review On	10/29/2025 3:56:34 PM
Supervise By	mohan	Supervise On	11/3/2025 10:11:27 AM

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

118	Q3472-11	COMP-4	SAM	10/28/25 20:28		Jaswal	OK
119	Q3472-13	COMP-5	SAM	10/28/25 20:32		Jaswal	OK
120	Q3472-15	155	SAM	10/28/25 20:37		Jaswal	OK
121	Q3472-17	142	SAM	10/28/25 20:41		Jaswal	OK
122	Q3465-01	SU-03-10242025	SAM	10/28/25 20:45	NOT USE	Jaswal	Not Ok
123	CCV10	CCV10	CCV	10/28/25 20:49	CCV fail for Tl	Jaswal	OK
124	CCB10	CCB10	CCB	10/28/25 20:54	CCB fail for Fe	Jaswal	OK

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB170291

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: 10/28/2025 **Time :** 12:30 **Temp :** 96 °C

End Digest Date: 10/28/2025 **Time :** 15:32 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: SLG

Supervisor Signature: SJ

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	M6158
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 96C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/28/25 16:32	SLG metals	SJ (metals Lab)
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB170291

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB170261TB	PB170261TB	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	9
PB170291BL	PBW291	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	10
PB170291BS	LCS291	<2	5	25	Colorless	Colorless	Clear	Clear	M6209,M6201	11
Q3460-04MS	WC-1MS	<2	5	25	Colorless	Colorless	Clear	Clear	M6209,M6201	14
Q3460-04MSD	WC-1MSD	<2	5	25	Colorless	Colorless	Clear	Clear	M6209,M6201	15
Q3460-04DUP	WC-1DUP	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	13
Q3460-04	WC-1	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	11
Q3460-08	WC-2	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	16
Q3460-12	WC-3	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	17
Q3460-16	WC-4	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	18
Q3460-20	WC-5	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	19
Q3466-03	B8-0.0-1.0-20251023	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	20
Q3469-04	TP-13	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	21
Q3472-05	COMP-1	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	22
Q3472-07	COMP-2	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	23
Q3472-09	COMP-3	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	24
Q3472-11	COMP-4	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	25
Q3472-13	COMP-5	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	26
Q3472-15	155	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	27
Q3472-17	142	<2	5	50	Colorless	Colorless	Clear	Clear	N/A	28

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB170292

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. HG HOT BLOCK#3 2. N/A

Start Digest Date: 10/28/2025 **Time :** 12:30 **Temp :** 96 °C

End Digest Date: 10/28/2025 **Time :** 14:32 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG. #3

Dig Technician Signature: [signature]

Supervisor Signature: [signature]

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30ML	MP87760
CCV	30ML	MP87762
CRA	30mL	MP87764
Blank Spike	0.48mL	MP87753
Matrix Spike	0.48ml	MP87753

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	MP87754
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP87755
2.5 ppb	S2.5	30mL	MP87756
5.0 ppb	S5.0	30mL	MP87757
7.5 ppb	S7.5	30mL	MP87758
10.0 ppb	S10.0	30mL	MP87759
ICV	ICV	30mL	MP87760
ICB	ICB	30mL	MP87761
CCV	CCV	30mL	MP87762
CCB	CCB	30mL	MP87763
CRI	CRI	30mL	MP87764
CHK STD	CHK STD	30mL	MP87765

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/28/25 @ ~~14:50~~ 14:50	[signature] - DIG. Lab	[signature] - Metals Lab
14:50	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB170292

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
PB170261TB	PB170261TB	3	30	<2	N/A	3-1
PB170292BL	PBW292	30	30	<2	N/A	2
PB170292BS	LCS292	30	30	<2	MP87753	3
Q3460-04MS	WC-1MS	3	30	<2	MP87753	6
Q3460-04MSD	WC-1MSD	3	30	<2	MP87753	7
Q3460-04DUP	WC-1DUP	3	30	<2	N/A	5
Q3460-04	WC-1	3	30	<2	N/A	4
Q3460-08	WC-2	3	30	<2	N/A	8
Q3460-12	WC-3	3	30	<2	N/A	9
Q3460-16	WC-4	3	30	<2	N/A	10
Q3460-20	WC-5	3	30	<2	N/A	11
Q3466-03	B8-0.0-1.0-20251023	3	30	<2	N/A	12
Q3469-04	TP-13	3	30	<2	N/A	13
Q3472-05	COMP-1	3	30	<2	N/A	14
Q3472-07	COMP-2	3	30	<2	N/A	15
Q3472-09	COMP-3	3	30	<2	N/A	16
Q3472-11	COMP-4	3	30	<2	N/A	17
Q3472-13	COMP-5	3	30	<2	N/A	18
Q3472-15	155	3	30	<2	N/A	19
Q3472-17	142	3	30	<2	N/A	20

A B C D E F G H I J

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB170261

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 / T-2

TCLP Filter ID : 40718710

Start Prep Date : 10/27/2025 **Time :** 15:00

End Prep Date : 10/28/2025 **Time :** 08:35

Combination Ratio : 20

ZHE Cleaning Batch : N/A 76

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : IZ

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	WP114525
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 /T-2 checked,30 rpm. Q3472-17 IS
OIL sample so % is <0.5 so we assume water samples no fluid determation. q3460-04 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/28/25 10:30	JP Lab Room	SLG RS. 1 EXT
	Preparation Group	**Analysis Group** MET DIG

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB170261

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
PB170261TB	LEB261	14	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-2
Q3460-04	WC-1	01	100.02	2000	N/A	N/A	N/A	5.0	1.0	T-1
Q3460-08	WC-2	02	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q3460-12	WC-3	03	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-1
Q3460-16	WC-4	04	100.04	2000	N/A	N/A	N/A	5.8	1.5	T-1
Q3460-20	WC-5	05	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q3466-03	B8-0.0-1.0-20251023	06	100.03	2000	N/A	N/A	N/A	4.5	1.5	T-1
Q3469-04	TP-13	07	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q3472-05	COMP-1	08	100.01	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q3472-07	COMP-2	09	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q3472-09	COMP-3	10	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q3472-11	COMP-4	11	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-2
Q3472-13	COMP-5	12	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-2
Q3472-15	155	13	10.01	2000	N/A	N/A	N/A	3.0	1.5	T-2
Q3472-17	142	N/A	N/A	N/A	N/A	N/A	N/A	8.0	1.0	N/A

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB170261TB	LEB261	N/A	N/A	N/A	N/A	N/A	N/A
Q3460-04	WC-1	N/A	N/A	N/A	N/A	100	N/A
Q3460-08	WC-2	N/A	N/A	N/A	N/A	100	N/A
Q3460-12	WC-3	N/A	N/A	N/A	N/A	100	N/A
Q3460-16	WC-4	N/A	N/A	N/A	N/A	100	N/A
Q3460-20	WC-5	N/A	N/A	N/A	N/A	100	N/A
Q3466-03	B8-0.0-1.0-20251023	N/A	N/A	N/A	N/A	100	N/A
Q3469-04	TP-13	N/A	N/A	N/A	N/A	100	N/A
Q3472-05	COMP-1	N/A	N/A	N/A	N/A	100	N/A
Q3472-07	COMP-2	N/A	N/A	N/A	N/A	100	N/A
Q3472-09	COMP-3	N/A	N/A	N/A	N/A	100	N/A
Q3472-11	COMP-4	N/A	N/A	N/A	N/A	100	N/A
Q3472-13	COMP-5	N/A	N/A	N/A	N/A	100	N/A
Q3472-15	155	N/A	N/A	N/A	N/A	100	N/A
Q3472-17	142	N/A	N/A	N/A	N/A	<0.5	N/A

Alliance TECHNICAL GROUP

TCLP Fluid Determination

PB170261

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
PB170261TB	LEB261	N/A	N/A	N/A	N/A	#1	4.93
Q3460-04	WC-1	5.02	96.5	7.2	2.5	#1	4.93
Q3460-08	WC-2	5.03	96.5	8.0	3.0	#1	4.93
Q3460-12	WC-3	5.02	96.5	8.2	3.0	#1	4.93
Q3460-16	WC-4	5.01	96.5	8.6	3.5	#1	4.93
Q3460-20	WC-5	5.02	96.5	8.6	3.5	#1	4.93
Q3466-03	B8-0.0-1.0-20251023	5.03	96.5	6.4	2.0	#1	4.93
Q3469-04	TP-13	5.03	96.5	8.0	3.0	#1	4.93
Q3472-05	COMP-1	5.01	96.5	5.6	1.5	#1	4.93
Q3472-07	COMP-2	5.02	96.5	5.5	1.5	#1	4.93
Q3472-09	COMP-3	5.03	96.5	5.6	2.0	#1	4.93
Q3472-11	COMP-4	5.02	96.5	5.6	1.5	#1	4.93
Q3472-13	COMP-5	5.03	96.5	5.8	2.0	#1	4.93
Q3472-15	155	5.02	96.5	6.0	2.0	#1	4.93
Q3472-17	142	N/A	N/A	N/A	N/A	N/A	N/A

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:	10/23/25 10:30
Project:	PVWC Linear Construction	Date Received:	10/24/25
Client Sample ID:	B8-0.0-1.0-20251023	SDG No.:	Q3466
Lab Sample ID:	Q3466-02	Matrix:	SOIL
		% Solid:	85.3

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.25	J	1	0.048	0.29	mg/Kg	10/28/25 11:00	10/28/25 13:30	9012B
Hexavalent Chromium	0.12	J	1	0.069	0.39	mg/Kg	10/27/25 09:00	10/27/25 12:39	7196A
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		11/03/25 14:35	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

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	10/23/25 10:30
Project:	PVWC Linear Construction	Date Received:	10/24/25
Client Sample ID:	B8-0.0-1.0-20251023	SDG No.:	Q3466
Lab Sample ID:	Q3466-03	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	6.40	H	1	0	0	pH		10/27/25 14:55	9045D
Ignitability	NO		1	0	0	oC		10/27/25 15:22	1030
Reactive Cyanide	0.017	J	1	0.0083	0.049	mg/Kg	10/28/25 08:50	10/28/25 11:24	9012B
Reactive Sulfide	6.31	J	1	0.20	10.0	mg/Kg	10/28/25 09:05	10/28/25 15:28	9034

Comments: pH result reported at temperature 21.6 °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

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	10/23/25 11:50
Project:	PVWC Linear Construction	Date Received:	10/24/25
Client Sample ID:	B9-0.0-1.0-20251023	SDG No.:	Q3466
Lab Sample ID:	Q3466-05	Matrix:	SOIL
		% Solid:	83.2

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.66		1	0.049	0.29	mg/Kg	10/28/25 11:00	10/28/25 13:30	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

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Report of Analysis

Client:	HDR, Inc.	Date Collected:	10/23/25 13:50
Project:	PVWC Linear Construction	Date Received:	10/24/25
Client Sample ID:	B7-1.0-2.0-20251023	SDG No.:	Q3466
Lab Sample ID:	Q3466-07	Matrix:	SOIL
		% Solid:	89.2

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.17	J	1	0.046	0.27	mg/Kg	10/28/25 11:00	10/28/25 13:37	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

QC RESULT SUMMARY

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Initial and Continuing Calibration Verification

Client: HDR, Inc. **SDG No.:** Q3466

Project: PVWC Linear Construction **RunNo.:** LB137657

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV						
Hexavalent Chromium	mg/L	0.497	0.5	99	90-110	10/27/2025
Sample ID: CCV1						
Hexavalent Chromium	mg/L	0.494	0.5	99	90-110	10/27/2025
Sample ID: CCV2						
Hexavalent Chromium	mg/L	0.489	0.5	98	90-110	10/27/2025
Sample ID: CCV3						
Hexavalent Chromium	mg/L	0.493	0.5	99	90-110	10/27/2025
Sample ID: CCV4						
Hexavalent Chromium	mg/L	0.489	0.5	98	90-110	10/27/2025

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Initial and Continuing Calibration Verification

Client: HDR, Inc. **SDG No.:** Q3466

Project: PVWC Linear Construction **RunNo.:** LB137663

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: **ICV**						
Corrosivity	pH	7.01	7	100	90-110	10/27/2025
Sample ID: **CCV1**						
Corrosivity	pH	2.01	2.00	101	90-110	10/27/2025
Sample ID: **CCV2**						
Corrosivity	pH	12.02	12.00	100	90-110	10/27/2025
Sample ID: **CCV3**						
Corrosivity	pH	2.02	2.00	101	90-110	10/27/2025

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Initial and Continuing Calibration Verification

Client: HDR, Inc. **SDG No.:** Q3466

Project: PVWC Linear Construction **RunNo.:** LB137669

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Reactive Cyanide	mg/L	0.093	0.099	94	85-115	10/28/2025
Sample ID: CCV1						
Reactive Cyanide	mg/L	0.24	0.25	96	90-110	10/28/2025
Sample ID: CCV2						
Reactive Cyanide	mg/L	0.24	0.25	96	90-110	10/28/2025
Sample ID: CCV3						
Reactive Cyanide	mg/L	0.24	0.25	96	90-110	10/28/2025
Sample ID: CCV4						
Reactive Cyanide	mg/L	0.24	0.25	96	90-110	10/28/2025

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Initial and Continuing Calibration Verification

Client: HDR, Inc. **SDG No.:** Q3466

Project: PVWC Linear Construction **RunNo.:** LB137670

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: **ICV1**						
Cyanide	mg/L	0.095	0.099	96	90-110	10/28/2025
Sample ID: **CCV1**						
Cyanide	mg/L	0.25	0.25	100	90-110	10/28/2025
Sample ID: **CCV2**						
Cyanide	mg/L	0.25	0.25	100	90-110	10/28/2025

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Initial and Continuing Calibration Blank Summary

Client: HDR, Inc. **SDG No.:** Q3466

Project: PVWC Linear Construction **RunNo.:** LB137657

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	10/27/2025
Sample ID: CCB1							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/27/2025
Sample ID: CCB2							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/27/2025
Sample ID: CCB3							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/27/2025
Sample ID: CCB4							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/27/2025

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Initial and Continuing Calibration Blank Summary

Client: HDR, Inc. **SDG No.:** Q3466

Project: PVWC Linear Construction **RunNo.:** LB137669

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Reactive Cyanide	mg/L	0.0012	0.0025	J	0.00096	0.005	10/28/2025
Sample ID: CCB1							
Reactive Cyanide	mg/L	0.0012	0.0025	J	0.00096	0.005	10/28/2025
Sample ID: CCB2							
Reactive Cyanide	mg/L	0.0015	0.0025	J	0.00096	0.005	10/28/2025
Sample ID: CCB3							
Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	10/28/2025
Sample ID: CCB4							
Reactive Cyanide	mg/L	0.0014	0.0025	J	0.00096	0.005	10/28/2025

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Initial and Continuing Calibration Blank Summary

Client: HDR, Inc. **SDG No.:** Q3466

Project: PVWC Linear Construction **RunNo.:** LB137670

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	ICB1							
Cyanide		mg/L	0.0014	0.0025	J	0.00096	0.005	10/28/2025
Sample ID:	CCB1							
Cyanide		mg/L	0.0024	0.0025	J	0.00096	0.005	10/28/2025
Sample ID:	CCB2							
Cyanide		mg/L	0.0012	0.0025	J	0.00096	0.005	10/28/2025

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Preparation Blank Summary

Client: HDR, Inc. **SDG No.:** Q3466

Project: PVWC Linear Construction

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: PB170253BL							
Hexavalent Chromium	mg/Kg	< 0.2000	0.2000	U	0.07	0.4	10/27/2025
Sample ID: PB170279BL							
Reactive Sulfide	mg/Kg	< 5.0000	5.0000	U	0.201	10	10/28/2025
Sample ID: PB170280BL							
Reactive Cyanide	mg/Kg	0.012	0.0250	J	0.0084	0.05	10/28/2025
Sample ID: PB170281BL							
Cyanide	mg/Kg	0.073	0.1250	J	0.042	0.25	10/28/2025

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Matrix Spike Summary

Client: HDR, Inc.
SDG No.: Q3466
Project: PVWC Linear Construction
Sample ID: Q3419-01
Client ID: PR-132-S16-015094-20251021MS
Percent Solids for Spike Sample: 54.4

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	2300		0.13	U	2360	40	98		10/27/2025

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Matrix Spike Summary

Client: HDR, Inc.
SDG No.: Q3466
Project: PVWC Linear Construction
Sample ID: Q3419-01
Client ID: PR-132-S16-015094-20251021MS
Percent Solids for Spike Sample: 54.4

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	69.5		0.13	U	73.5	2	95		10/27/2025

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Matrix Spike Summary

Client: HDR, Inc.
SDG No.: Q3466
Project: PVWC Linear Construction
Sample ID: Q3419-01
Client ID: PR-132-S16-015094-20251021MS
Percent Solids for Spike Sample: 54.4

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	59.7		0.13	U	73.5	2	81		10/27/2025

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Matrix Spike Summary

Client: HDR, Inc.
SDG No.: Q3466
Project: PVWC Linear Construction
Sample ID: Q3466-07
Client ID: B7-1.0-2.0-20251023MS
Percent Solids for Spike Sample: 89.2

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	2.10		0.17	J	2.2	1	88		10/28/2025

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Matrix Spike Summary

Client: HDR, Inc.
SDG No.: Q3466
Project: PVWC Linear Construction
Sample ID: Q3466-07
Client ID: B7-1.0-2.0-20251023MSD
Percent Solids for Spike Sample: 89.2

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	2.10		0.17	J	2.2	1	88		10/28/2025

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

Client: HDR, Inc.
SDG No.: Q3466
Project: PVWC Linear Construction
Sample ID: Q3419-01
Client ID: PR-132-S16-015094-20251021DUP
Percent Solids for Spike Sample: 54.4

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	+/-20	0.13	U	0.13	U	1	0		10/27/2025

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Duplicate Sample Summary

Client: HDR, Inc.
Project: PVWC Linear Construction
Client ID: TP-11DUP
SDG No.: Q3466
Sample ID: Q3451-04
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
Reactive Sulfide	mg/Kg	+/-20	3.16	J	3.16	J	1	0		10/28/2025

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Duplicate Sample Summary

Client: HDR, Inc.
SDG No.: Q3466
Project: PVWC Linear Construction
Sample ID: Q3456-01
Client ID: OILY-DEBRISDUP
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
Reactive Cyanide	mg/Kg	+/-20	0.012	J	0.014	J	1	15		10/28/2025

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Duplicate Sample Summary

Client: HDR, Inc.
SDG No.: Q3466
Project: PVWC Linear Construction
Sample ID: Q3466-03
Client ID: B8-0.0-1.0-20251023DUP
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		10/27/2025
Corrosivity	pH	+/-20	6.40		6.42		1	0.31		10/27/2025

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Duplicate Sample Summary

Client: HDR, Inc.
Project: PVWC Linear Construction
Client ID: B7-1.0-2.0-20251023DUP

SDG No.: Q3466
Sample ID: Q3466-07
Percent Solids for Spike Sample: 89.2

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	0.17	J	0.19	J	1	11		10/28/2025

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Duplicate Sample Summary

Client: HDR, Inc.
Project: PVWC Linear Construction
Client ID: B7-1.0-2.0-20251023MSD

SDG No.: Q3466
Sample ID: Q3466-07
Percent Solids for Spike Sample: 89.2

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	2.10		2.10		1	0		10/28/2025

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Duplicate Sample Summary

Client: HDR, Inc.
SDG No.: Q3466
Project: PVWC Linear Construction
Sample ID: Q3520-01
Client ID: EO-02-103125DUP
Percent Solids for Spike Sample: 91.1

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		11/03/2025

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Laboratory Control Sample Summary

Client: HDR, Inc. **SDG No.:** Q3466

Project: PVWC Linear Construction **Run No.:** LB137657

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB170253BS								
Hexavalent Chromium	mg/Kg	20	19.8		99	1	84-110	10/27/2025

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Laboratory Control Sample Summary

Client: HDR, Inc. **SDG No.:** Q3466

Project: PVWC Linear Construction **Run No.:** LB137670

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB170281BS								
Cyanide	mg/Kg	5	4.80		96	1	85-115	10/28/2025

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137657

Review By	rubina	Review On	10/27/2025 1:27:34 PM
Supervise By	Iwona	Supervise On	10/27/2025 1:28:00 PM
SubDirectory	LB137657	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	WP115295,WP115340,WP115339,WP114310

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	10/27/25 12:20		rubina	OK
2	CAL2	CAL2	CAL	10/27/25 12:20		rubina	OK
3	CAL3	CAL3	CAL	10/27/25 12:21		rubina	OK
4	CAL4	CAL4	CAL	10/27/25 12:21		rubina	OK
5	CAL5	CAL5	CAL	10/27/25 12:22		rubina	OK
6	CAL6	CAL6	CAL	10/27/25 12:22		rubina	OK
7	CAL7	CAL7	CAL	10/27/25 12:23		rubina	OK
8	ICV	ICV	ICV	10/27/25 12:23		rubina	OK
9	ICB	ICB	ICB	10/27/25 12:24		rubina	OK
10	CCV1	CCV1	CCV	10/27/25 12:24		rubina	OK
11	CCB1	CCB1	CCB	10/27/25 12:25		rubina	OK
12	RL Check	RL Check	RL	10/27/25 12:25		rubina	OK
13	PB170253BL	PB170253BL	MB	10/27/25 12:26		rubina	OK
14	PB170253BS	PB170253BS	LCS	10/27/25 12:26		rubina	OK
15	Q3419-01	PR-132-S16-015094-2	SAM	10/27/25 12:27		rubina	OK
16	Q3419-01DUP	PR-132-S16-015094-2	DUP	10/27/25 12:27		rubina	OK
17	Q3419-01MSPre	PR-132-S16-015094-2	MS	10/27/25 12:28		rubina	OK
18	Q3419-01MS2Ins	PR-132-S16-015094-2	MS	10/27/25 12:28		rubina	OK

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137657

Review By	rubina	Review On	10/27/2025 1:27:34 PM
Supervise By	Iwona	Supervise On	10/27/2025 1:28:00 PM
SubDirectory	LB137657	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	WP115295,WP115340,WP115339,WP114310

19	Q3419-01MS3Post	PR-132-S16-015094-2	MS	10/27/25 12:29		rubina	OK
20	Q3419-04	PR132-S16-119133-2	SAM	10/27/25 12:29		rubina	OK
21	Q3419-05	PR132-S16-094119-2	SAM	10/27/25 12:30		rubina	OK
22	Q3439-01	TP-9	SAM	10/27/25 12:30		rubina	OK
23	CCV2	CCV2	CCV	10/27/25 12:31		rubina	OK
24	CCB2	CCB2	CCB	10/27/25 12:31		rubina	OK
25	Q3439-05	TP-10	SAM	10/27/25 12:32		rubina	OK
26	Q3440-01	JB-2	SAM	10/27/25 12:32		rubina	OK
27	Q3445-01	EO-01-102325	SAM	10/27/25 12:33		rubina	OK
28	Q3449-01	CF-620-COMP-41	SAM	10/27/25 12:33		rubina	OK
29	Q3451-01	TP-11	SAM	10/27/25 12:34		rubina	OK
30	Q3451-05	TP-12	SAM	10/27/25 12:34		rubina	OK
31	Q3452-01	JB-1	SAM	10/27/25 12:35		rubina	OK
32	Q3457-01	TR-05-102425	SAM	10/27/25 12:35		rubina	OK
33	Q3460-01	WC-1	SAM	10/27/25 12:36		rubina	OK
34	Q3460-05	WC-2	SAM	10/27/25 12:36		rubina	OK
35	CCV3	CCV3	CCV	10/27/25 12:37		rubina	OK
36	CCB3	CCB3	CCB	10/27/25 12:37		rubina	OK
37	Q3460-09	WC-3	SAM	10/27/25 12:38		rubina	OK
38	Q3460-13	WC-4	SAM	10/27/25 12:38		rubina	OK

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137657

Review By	rubina	Review On	10/27/2025 1:27:34 PM
Supervise By	Iwona	Supervise On	10/27/2025 1:28:00 PM
SubDirectory	LB137657	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	WP115295,WP115340,WP115339,WP114310

39	Q3460-17	WC-5	SAM	10/27/25 12:39		rubina	OK
40	Q3466-02	B8-0.0-1.0-20251023	SAM	10/27/25 12:39		rubina	OK
41	Q3466-05	B9-0.0-1.0-20251023	SAM	10/27/25 12:40		rubina	OK
42	Q3466-07	B7-1.0-2.0-20251023	SAM	10/27/25 12:40		rubina	OK
43	CCV4	CCV4	CCV	10/27/25 12:41		rubina	OK
44	CCB4	CCB4	CCB	10/27/25 12:41		rubina	OK

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Instrument ID: FLAME

Daily Analysis Runlog For Sequence/QCBatch ID # LB137659

Review By	rubina	Review On	10/27/2025 4:20:17 PM
Supervise By	Iwona	Supervise On	10/27/2025 4:54:21 PM
SubDirectory	LB137659	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	Q3449-06	CF-620-COMP-41	SAM	10/27/25 13:07		rubina	OK
2	Q3451-01	TP-11	SAM	10/27/25 13:15		rubina	OK
3	Q3451-05	TP-12	SAM	10/27/25 13:30		rubina	OK
4	Q3451-08	TP-12	SAM	10/27/25 13:38		rubina	OK
5	Q3452-01	JB-1	SAM	10/27/25 13:45		rubina	OK
6	Q3452-04	JB-1	SAM	10/27/25 13:53		rubina	OK
7	Q3456-01	OILY-DEBRIS	SAM	10/27/25 14:00		rubina	OK
8	Q3460-01	WC-1	SAM	10/27/25 14:08		rubina	OK
9	Q3460-04	WC-1	SAM	10/27/25 14:15		rubina	OK
10	Q3460-05	WC-2	SAM	10/27/25 14:23		rubina	OK
11	Q3460-08	WC-2	SAM	10/27/25 14:30		rubina	OK
12	Q3460-09	WC-3	SAM	10/27/25 14:38		rubina	OK
13	Q3460-12	WC-3	SAM	10/27/25 14:45		rubina	OK
14	Q3460-13	WC-4	SAM	10/27/25 14:53		rubina	OK
15	Q3460-16	WC-4	SAM	10/27/25 15:00		rubina	OK
16	Q3460-17	WC-5	SAM	10/27/25 15:08		rubina	OK
17	Q3460-20	WC-5	SAM	10/27/25 15:15		rubina	OK
18	Q3451-04	TP-11	SAM	10/27/25 15:22		rubina	OK

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Instrument ID: FLAME

Daily Analysis Runlog For Sequence/QCBatch ID # LB137659

Review By	rubina	Review On	10/27/2025 4:20:17 PM
Supervise By	lwona	Supervise On	10/27/2025 4:54:21 PM
SubDirectory	LB137659	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

19	Q3466-03	B8-0.0-1.0-20251023	SAM	10/27/25 15:22		rubina	OK
20	Q3466-03DUP	B8-0.0-1.0-20251023D	DUP	10/27/25 15:29		rubina	OK

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Instrument ID: WC PH METER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137663

Review By	jignesh	Review On	10/28/2025 10:14:36 AM
Supervise By	Iwona	Supervise On	10/28/2025 10:38:50 AM
SubDirectory	LB137663	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	10/27/25 14:40		Jignesh	OK
2	CAL2	CAL2	CAL	10/27/25 14:41		Jignesh	OK
3	CAL3	CAL3	CAL	10/27/25 14:44		Jignesh	OK
4	ICV	ICV	ICV	10/27/25 14:45		Jignesh	OK
5	CCV1	CCV1	CCV	10/27/25 14:47		Jignesh	OK
6	Q3466-03	B8-0.0-1.0-20251023	SAM	10/27/25 14:55		Jignesh	OK
7	Q3466-03DUP	B8-0.0-1.0-20251023D	DUP	10/27/25 14:59		Jignesh	OK
8	Q3469-04	TP-13	SAM	10/27/25 15:10		Jignesh	OK
9	Q3472-05	COMP-1	SAM	10/27/25 15:20		Jignesh	OK
10	Q3472-07	COMP-2	SAM	10/27/25 15:30		Jignesh	OK
11	Q3472-09	COMP-3	SAM	10/27/25 15:35		Jignesh	OK
12	Q3472-11	COMP-4	SAM	10/27/25 15:36		Jignesh	OK
13	Q3472-13	COMP-5	SAM	10/27/25 15:40		Jignesh	OK
14	Q3472-15	155	SAM	10/27/25 15:47		Jignesh	OK
15	Q3472-17	142	SAM	10/27/25 15:55		Jignesh	OK
16	CCV2	CCV2	CCV	10/27/25 16:00		Jignesh	OK
17	Q3472-18	137	SAM	10/27/25 16:10		Jignesh	OK
18	CCV3	CCV3	CCV	10/27/25 16:11		Jignesh	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB137669

Review By	rubina	Review On	10/29/2025 11:47:51 AM
Supervise By	Iwona	Supervise On	10/29/2025 11:53:31 AM
SubDirectory	LB137669	Test	Reactive Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP115349,WP115350,WP115351,WP115352,WP115353,WP115354,WP115355
ICV Standard	WP115356
CCV Standard	WP115350
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP115157,WP114324,WP115357

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPBCN	0.0PPBCN	CAL1	10/28/25 10:14		rubina	OK
2	5.0PPBCN	5.0PPBCN	CAL2	10/28/25 10:14		rubina	OK
3	10PPBCN	10PPBCN	CAL3	10/28/25 10:14		rubina	OK
4	50PPBCN	50PPBCN	CAL4	10/28/25 10:14		rubina	OK
5	100PPBCN	100PPBCN	CAL5	10/28/25 10:14		rubina	OK
6	250PPBCN	250PPBCN	CAL6	10/28/25 10:14		rubina	OK
7	500PPBCN	500PPBCN	CAL7	10/28/25 10:14		rubina	OK
8	ICV1	ICV1	ICV	10/28/25 11:09		rubina	OK
9	ICB1	ICB1	ICB	10/28/25 11:09		rubina	OK
10	CCV1	CCV1	CCV	10/28/25 11:09		rubina	OK
11	CCB1	CCB1	CCB	10/28/25 11:09		rubina	OK
12	PB170278BL	PB170278BL	MB	10/28/25 11:09		rubina	OK
13	Q3472-03	COMP-7	SAM	10/28/25 11:17		rubina	OK
14	Q3472-03DUP	COMP-7DUP	DUP	10/28/25 11:17		rubina	OK
15	Q3472-19	159	SAM	10/28/25 11:17		rubina	OK
16	Q3472-20	COMP-6	SAM	10/28/25 11:17		rubina	OK
17	PB170280BL	PB170280BL	MB	10/28/25 11:17		rubina	OK
18	Q3456-01	OILY-DEBRIS	SAM	10/28/25 11:17		rubina	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB137669

Review By	rubina	Review On	10/29/2025 11:47:51 AM
Supervise By	Iwona	Supervise On	10/29/2025 11:53:31 AM
SubDirectory	LB137669	Test	Reactive Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP115349,WP115350,WP115351,WP115352,WP115353,WP115354,WP115355
ICV Standard	WP115356
CCV Standard	WP115350
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP115157,WP114324,WP115357

19	Q3456-01DUP	OILY-DEBRISDUP	DUP	10/28/25 11:17		rubina	OK
20	Q3460-08	WC-2	SAM	10/28/25 11:17		rubina	OK
21	Q3460-12	WC-3	SAM	10/28/25 11:17		rubina	OK
22	CCV2	CCV2	CCV	10/28/25 11:24		rubina	OK
23	CCB2	CCB2	CCB	10/28/25 11:24		rubina	OK
24	Q3460-16	WC-4	SAM	10/28/25 11:24		rubina	OK
25	Q3460-20	WC-5	SAM	10/28/25 11:24		rubina	OK
26	Q3466-03	B8-0.0-1.0-20251023	SAM	10/28/25 11:24		rubina	OK
27	Q3469-04	TP-13	SAM	10/28/25 11:24		rubina	OK
28	Q3472-05	COMP-1	SAM	10/28/25 11:32		rubina	OK
29	Q3472-07	COMP-2	SAM	10/28/25 11:32		rubina	OK
30	Q3472-09	COMP-3	SAM	10/28/25 11:32		rubina	OK
31	Q3472-11	COMP-4	SAM	10/28/25 11:32		rubina	OK
32	Q3472-13	COMP-5	SAM	10/28/25 11:32		rubina	OK
33	Q3472-15	155	SAM	10/28/25 11:32		rubina	OK
34	CCV3	CCV3	CCV	10/28/25 11:32		rubina	OK
35	CCB3	CCB3	CCB	10/28/25 11:39		rubina	OK
36	Q3472-17	142	SAM	10/28/25 11:39		rubina	OK
37	Q3472-18	137	SAM	10/28/25 11:39		rubina	OK
38	Q3460-04	WC-1	SAM	10/28/25 11:40		rubina	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB137669

Review By	rubina	Review On	10/29/2025 11:47:51 AM
Supervise By	lwona	Supervise On	10/29/2025 11:53:31 AM
SubDirectory	LB137669	Test	Reactive Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP115349,WP115350,WP115351,WP115352,WP115353,WP115354,WP115355
ICV Standard	WP115356
CCV Standard	WP115350
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP115157,WP114324,WP115357

39	CCV4	CCV4	CCV	10/28/25 11:40		rubina	OK
40	CCB4	CCB4	CCB	10/28/25 11:43		rubina	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB137670

Review By	rubina	Review On	10/29/2025 11:50:03 AM
Supervise By	Iwona	Supervise On	10/29/2025 11:53:41 AM
SubDirectory	LB137670	Test	Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP115349,WP115350,WP115351,WP115352,WP115353,WP115354,WP115355
ICV Standard	W3012
CCV Standard	WP115350
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP113838
Chk Standard	WP115157,WP114324,WP115357

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPBCN	0.0PPBCN	CAL1	10/28/25 10:14		rubina	OK
2	5.0PPBCN	5.0PPBCN	CAL2	10/28/25 10:14		rubina	OK
3	10PPBCN	10PPBCN	CAL3	10/28/25 10:14		rubina	OK
4	50PPBCN	50PPBCN	CAL4	10/28/25 10:14		rubina	OK
5	100PPBCN	100PPBCN	CAL5	10/28/25 10:14		rubina	OK
6	250PPBCN	250PPBCN	CAL6	10/28/25 10:14		rubina	OK
7	500PPBCN	500PPBCN	CAL7	10/28/25 10:14		rubina	OK
8	ICV1	ICV1	ICV	10/28/25 13:22		rubina	OK
9	ICB1	ICB1	ICB	10/28/25 13:22		rubina	OK
10	CCV1	CCV1	CCV	10/28/25 13:22		rubina	OK
11	CCB1	CCB1	CCB	10/28/25 13:22		rubina	OK
12	PB170281BL	PB170281BL	MB	10/28/25 13:22		rubina	OK
13	PB170281BS	PB170281BS	LCS	10/28/25 13:29		rubina	OK
14	LOWPB170281	LOWPB170281	SAM	10/28/25 13:29		rubina	OK
15	HIGHPB170281	HIGHPB170281	SAM	10/28/25 13:30		rubina	OK
16	Q3466-02	B8-0.0-1.0-20251023	SAM	10/28/25 13:30		rubina	OK
17	Q3466-05	B9-0.0-1.0-20251023	SAM	10/28/25 13:30		rubina	OK
18	Q3466-07	B7-1.0-2.0-20251023	SAM	10/28/25 13:37		rubina	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB137670

Review By	rubina	Review On	10/29/2025 11:50:03 AM
Supervise By	Iwona	Supervise On	10/29/2025 11:53:41 AM
SubDirectory	LB137670	Test	Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP115349,WP115350,WP115351,WP115352,WP115353,WP115354,WP115355
ICV Standard	W3012
CCV Standard	WP115350
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP113838
Chk Standard	WP115157,WP114324,WP115357

19	Q3466-07DUP	B7-1.0-2.0-20251023[	DUP	10/28/25 13:37		rubina	OK
20	Q3466-07MS	B7-1.0-2.0-20251023M	MS	10/28/25 13:37		rubina	OK
21	Q3466-07MSD	B7-1.0-2.0-20251023M	MSD	10/28/25 13:37		rubina	OK
22	CCV2	CCV2	CCV	10/28/25 13:37		rubina	OK
23	CCB2	CCB2	CCB	10/28/25 13:40		rubina	OK

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Instrument ID: TITRAMETRIC

Daily Analysis Runlog For Sequence/QCBatch ID # LB137681

Review By	rubina	Review On	10/28/2025 4:34:41 PM
Supervise By	Iwona	Supervise On	10/28/2025 4:36:59 PM
SubDirectory	LB137681	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	PB170279BL	PB170279BL	MB	10/28/25 15:00		rubina	OK
2	Q3451-04	TP-11	SAM	10/28/25 15:03		rubina	OK
3	Q3451-04DUP	TP-11DUP	DUP	10/28/25 15:06		rubina	OK
4	Q3451-08	TP-12	SAM	10/28/25 15:09		rubina	OK
5	Q3452-04	JB-1	SAM	10/28/25 15:12		rubina	OK
6	Q3456-01	OILY-DEBRIS	SAM	10/28/25 15:14		rubina	OK
7	Q3460-04	WC-1	SAM	10/28/25 15:16		rubina	OK
8	Q3460-08	WC-2	SAM	10/28/25 15:18		rubina	OK
9	Q3460-12	WC-3	SAM	10/28/25 15:20		rubina	OK
10	Q3460-16	WC-4	SAM	10/28/25 15:23		rubina	OK
11	Q3460-20	WC-5	SAM	10/28/25 15:25		rubina	OK
12	Q3466-03	B8-0.0-1.0-20251023	SAM	10/28/25 15:28		rubina	OK
13	Q3469-04	TP-13	SAM	10/28/25 15:30		rubina	OK
14	Q3472-05	COMP-1	SAM	10/28/25 15:32		rubina	OK
15	Q3472-07	COMP-2	SAM	10/28/25 15:34		rubina	OK
16	Q3472-09	COMP-3	SAM	10/28/25 15:37		rubina	OK
17	Q3472-11	COMP-4	SAM	10/28/25 15:40		rubina	OK
18	Q3472-13	COMP-5	SAM	10/28/25 15:42		rubina	OK

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

Instrument ID: TITRAMETRIC

Daily Analysis Runlog For Sequence/QCBatch ID # LB137681

Review By	rubina	Review On	10/28/2025 4:34:41 PM
Supervise By	lwona	Supervise On	10/28/2025 4:36:59 PM
SubDirectory	LB137681	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

19	Q3472-15	155	SAM	10/28/25 15:45		rubina	OK
20	Q3472-17	142	SAM	10/28/25 15:47		rubina	OK
21	Q3472-18	137	SAM	10/28/25 15:50		rubina	OK

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Instrument ID: FILTER/GRAVIMETRIC

Daily Analysis Runlog For Sequence/QCBatch ID # LB137748

Review By	rubina	Review On	11/3/2025 4:14:23 PM
Supervise By	Iwona	Supervise On	11/3/2025 4:22:18 PM
SubDirectory	LB137748	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	Q3466-02	B8-0.0-1.0-20251023	SAM	11/03/25 14:35		rubina	OK
2	Q3515-01	SU-04-103125	SAM	11/03/25 14:42		rubina	OK
3	Q3516-01	HD-01-103125	SAM	11/03/25 14:50		rubina	OK
4	Q3519-01	PL-01-103125	SAM	11/03/25 14:58		rubina	OK
5	Q3520-01	EO-02-103125	SAM	11/03/25 15:02		rubina	OK
6	Q3520-01DUP	EO-02-103125DUP	DUP	11/03/25 15:10		rubina	OK

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

LAB CHRONICLE

OrderID:	Q3466	**OrderDate:**	10/24/2025 3:18:10 PM
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
Q3466-02	**B8-0.0-1.0-20251023**	**SOIL**			**10/23/25 10:30**			**10/24/25**
			Cyanide	9012B		10/28/25	10/28/25 13:30	
			Hexavalent Chromium	7196A		10/27/25	10/27/25 12:39	
			Paint Filter	9095B			11/03/25 14:35	
Q3466-03	**B8-0.0-1.0-20251023**	**SOIL**			**10/23/25 10:30**			**10/24/25**
			Corrosivity	9045D			10/27/25 14:55	
			Ignitability	1030			10/27/25 15:22	
			Reactive Cyanide	9012B		10/28/25	10/28/25 11:24	
			Reactive Sulfide	9034		10/28/25	10/28/25 15:28	
Q3466-05	**B9-0.0-1.0-20251023**	**SOIL**			**10/23/25 11:50**			**10/24/25**
			Cyanide	9012B		10/28/25	10/28/25 13:30	
Q3466-07	**B7-1.0-2.0-20251023**	**SOIL**			**10/23/25 13:50**			**10/24/25**
			Cyanide	9012B		10/28/25	10/28/25 13:37	

Alliance TECHNICAL GROUP

Soil/Sludge Hexavalent Chromium Preparation Sheet

PB170253

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: 10/27/2025 **Time :** 09:00 **Temp :** 90 °C

End Digest Date: 10/27/2025 **Time :** 10:00 **Temp :** 95 °C

If batch 10/27/2025 1025 90 ± 10/27/2025 11:25 95 ±

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	0.5ML	WP112903
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	WP115333
CAL3	CAL3	0.5ML	WP115333
CAL4	CAL4	1ML	WP115333
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

Extraction Conformance/Non-Conformance Comments:

10/27/2025 RM

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

PB170253

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB170253BL	PBS253	2.50	100	N/A	N/A	N/A	N/A	N/A	N/A
PB170253BS	LCS253	2.50	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3419-01DUP	PR-132-S16-015094-202510 21DUP	2.57	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3419-01MSPre	PR-132-S16-015094-202510 21MSPRE	2.57	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3419-01MS2Ins	PR-132-S16-015094-202510 21MS2INS	2.55	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3419-01MS3Post	PR-132-S16-015094-202510 21MS3POST	2.56	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3419-01	PR-132-S16-015094-202510 21	2.56	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3419-04	PR-132-S16-119133-202510 21	2.57	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3419-05	PR-132-S16-094119-202510 21	2.55	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3439-01	TP-9	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3439-05	TP-10	2.53	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3440-01	JB-2	2.55	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3445-01	EO-01-102325	2.57	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3449-01	CF-620-COMP-41	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3451-01	TP-11	2.56	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3451-05	TP-12	2.51	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3452-01	JB-1	2.55	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3457-01	TR-05-102425	2.53	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3460-01	WC-1	2.55	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3460-05	WC-2	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3460-09	WC-3	2.58	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3460-13	WC-4	2.56	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3460-17	WC-5	2.55	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3466-02	B8-0.0-1.0-20251023	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3466-05	B9-0.0-1.0-20251023	2.53	100	N/A	N/A	N/A	N/A	N/A	N/A

Alliance TECHNICAL GROUP

Soil/Sludge Hexavalent Chromium Preparation Sheet

PB170253

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
Q3466-07	B7-1.0-2.0-20251023	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A

A
B
C
D
E
F

Alliance TECHNICAL GROUP

Soil/Sludge Reactive Sulfide Preparation Sheet

PB170279

SOP ID : M9030B-Sulfide-13

SDG No : N/A

Matrix : SOIL

Pippete ID : WC

Balance ID : WC SC-7

Hood ID : HOOD#2

Block ID : WC-DIST-BLOCK-1

Weigh By : RM

Start Digest Date: 10/28/2025 **Time :** 09:05 **Temp :** N/A

End Digest Date: 10/28/2025 **Time :** 10:35 **Temp :** N/A

1st batch 10/28/2025 11:05
10/28/2025 12:35

15T batch 10/28/2025 13:00
10/28/2025 14:30

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: TZ

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:

10/28/2025 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

PB170279

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB170279BL	PBS279	5.00	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3451-04DUP	TP-11DUP	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3451-04	TP-11	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3451-08	TP-12	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3452-04	JB-1	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3456-01	OILY-DEBRIS	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3460-04	WC-1	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3460-08	WC-2	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3460-12	WC-3	5.06	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3460-16	WC-4	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3460-20	WC-5	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3466-03	B8-0.0-1.0-20251023	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3469-04	TP-13	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3472-05	COMP-1	5.08	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3472-07	COMP-2	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3472-09	COMP-3	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3472-11	COMP-4	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3472-13	COMP-5	5.06	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3472-15	155	5.08	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3472-17	142	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3472-18	137	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A

Alliance TECHNICAL GROUP

Soil/Sludge Reactive Cyanide Preparation Sheet

PB170280

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,MC-2

Weigh By : RM

Start Digest Date: 10/28/2025 **Time :** 08:50 **Temp :** N/A

End Digest Date: 10/28/2025 **Time :** 10:20 **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
10/28/2025 10.35	RM CWC	RM CWC
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Reactive Cyanide Preparation Sheet

PB170280

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB170280BL	PBS280	5.00	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3456-01DUP	OILY-DEBRISDUP	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3456-01	OILY-DEBRIS	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3460-04	WC-1	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3460-08	WC-2	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3460-12	WC-3	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3460-16	WC-4	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3460-20	WC-5	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3466-03	B8-0.0-1.0-20251023	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3469-04	TP-13	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3472-05	COMP-1	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3472-07	COMP-2	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3472-09	COMP-3	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3472-11	COMP-4	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3472-13	COMP-5	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3472-15	155	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3472-17	142	5.08	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3472-18	137	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A

Alliance TECHNICAL GROUP

Soil/Sludge Cyanide Preparation Sheet

PB170281

SOP ID : M9012B-Total, Amenable and Reactive Cyanide-21

SDG No : N/A

Start Digest Date: 10/28/2025 **Time :** 11:00 **Temp :** 123 °C

Matrix : SOIL

End Digest Date: 10/28/2025 **Time :** 12:30 **Temp :** 127 °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:** [signature]

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
10/28/2025 12:45	JP / WC	RM (WC)
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Cyanide Preparation Sheet

PB170281

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB170281BL	PBS281	1.00	50	N/A	N/A	N/A	N/A	N/A	N/A
PB170281BS	LCS281	1.00	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3466-02	B8-0.0-1.0-20251023	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3466-05	B9-0.0-1.0-20251023	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3466-07	B7-1.0-2.0-20251023	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3466-07DUP	B7-1.0-2.0-20251023DUP	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3466-07MS	B7-1.0-2.0-20251023MS	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3466-07MSD	B7-1.0-2.0-20251023MSD	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A

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