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

Hit Summary Sheet
SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**WASTE-VOC**							
O5252-03	WASTE-VOC	SOIL	Methylene Chloride	0.038	B	0.0061	0.010	mg/Kg
			Total Voc :	0.038				
			Total Concentration:	0.038				

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SAMPLE DATA

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

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WASTE-VOC	SDG No.:	O5252
Lab Sample ID:	O5252-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	4.94 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY016247.D	1		11/07/23 11:34	VY110723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.0016	U	0.0016	0.0051	mg/Kg
74-87-3	Chloromethane	0.00092	U	0.00092	0.0051	mg/Kg
75-01-4	Vinyl Chloride	0.00094	U	0.00094	0.0051	mg/Kg
74-83-9	Bromomethane	0.0012	U	0.0012	0.0051	mg/Kg
75-00-3	Chloroethane	0.00089	U	0.00089	0.0051	mg/Kg
75-69-4	Trichlorofluoromethane	0.0011	U	0.0011	0.0051	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.00073	U	0.00073	0.0051	mg/Kg
75-35-4	1,1-Dichloroethene	0.00080	U	0.00080	0.0051	mg/Kg
67-64-1	Acetone	0.0095	U	0.0095	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.0022	U	0.0022	0.0051	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.00066	U	0.00066	0.0051	mg/Kg
79-20-9	Methyl Acetate	0.0016	U	0.0016	0.0051	mg/Kg
75-09-2	Methylene Chloride	0.038	B	0.0061	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.00074	U	0.00074	0.0051	mg/Kg
75-34-3	1,1-Dichloroethane	0.00073	U	0.00073	0.0051	mg/Kg
110-82-7	Cyclohexane	0.00071	U	0.00071	0.0051	mg/Kg
78-93-3	2-Butanone	0.0074	U	0.0074	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.00079	U	0.00079	0.0051	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.00065	U	0.00065	0.0051	mg/Kg
74-97-5	Bromochloromethane	0.0024	U	0.0024	0.0051	mg/Kg
67-66-3	Chloroform	0.0013	U	0.0013	0.0051	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.00077	U	0.00077	0.0051	mg/Kg
108-87-2	Methylcyclohexane	0.0034	U	0.0034	0.0051	mg/Kg
71-43-2	Benzene	0.00067	U	0.00067	0.0051	mg/Kg
107-06-2	1,2-Dichloroethane	0.00073	U	0.00073	0.0051	mg/Kg
79-01-6	Trichloroethene	0.00067	U	0.00067	0.0051	mg/Kg
78-87-5	1,2-Dichloropropane	0.00060	U	0.00060	0.0051	mg/Kg
75-27-4	Bromodichloromethane	0.00071	U	0.00071	0.0051	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.0046	U	0.0046	0.025	mg/Kg
108-88-3	Toluene	0.00066	U	0.00066	0.0051	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.00078	U	0.00078	0.0051	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.00075	U	0.00075	0.0051	mg/Kg

Raw Data: **VY016247.D**

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

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WASTE-VOC	SDG No.:	O5252
Lab Sample ID:	O5252-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	4.94 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY016247.D	1		11/07/23 11:34	VY110723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	0.00087	U	0.00087	0.0051	mg/Kg
591-78-6	2-Hexanone	0.0053	U	0.0053	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.00086	U	0.00086	0.0051	mg/Kg
106-93-4	1,2-Dibromoethane	0.00080	U	0.00080	0.0051	mg/Kg
127-18-4	Tetrachloroethene	0.00078	U	0.00078	0.0051	mg/Kg
108-90-7	Chlorobenzene	0.00064	U	0.00064	0.0051	mg/Kg
100-41-4	Ethyl Benzene	0.00068	U	0.00068	0.0051	mg/Kg
179601-23-1	m/p-Xylenes	0.0014	U	0.0014	0.010	mg/Kg
95-47-6	o-Xylene	0.00078	U	0.00078	0.0051	mg/Kg
100-42-5	Styrene	0.00070	U	0.00070	0.0051	mg/Kg
75-25-2	Bromoform	0.00096	U	0.00096	0.0051	mg/Kg
98-82-8	Isopropylbenzene	0.00072	U	0.00072	0.0051	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.0051	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.00069	U	0.00069	0.0051	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.00061	U	0.00061	0.0051	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.00061	U	0.00061	0.0051	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0012	U	0.0012	0.0051	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.00062	U	0.00062	0.0051	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.00064	U	0.00064	0.0051	mg/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.6		70 (50) - 130 (163)	117%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7		70 (54) - 130 (147)	99%	SPK: 50
2037-26-5	Toluene-d8	49.0		70 (58) - 130 (134)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.6		70 (39) - 130 (149)	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	104000	7.795			
540-36-3	1,4-Difluorobenzene	183000	8.697			
3114-55-4	Chlorobenzene-d5	164000	11.502			
3855-82-1	1,4-Dichlorobenzene-d4	59400	13.434			

Raw Data: **VY016247.D**

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

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WASTE-VOC	SDG No.:	O5252
Lab Sample ID:	O5252-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	4.94 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY016247.D	1		11/07/23 11:34	VY110723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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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A
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J

QC SUMMARY

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

Surrogate Summary

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
O5252-03	WASTE-VOC	1,2-Dichloroethane-d4	50	58.6	117	70 (50)	130 (163)
		Dibromofluoromethane	50	49.7	99	70 (54)	130 (147)
		Toluene-d8	50	49.0	98	70 (58)	130 (134)
		4-Bromofluorobenzene	50	43.6	87	70 (39)	130 (149)
VY1107SBL01	VY1107SBL01	1,2-Dichloroethane-d4	50	62.4	125	70 (50)	130 (163)
		Dibromofluoromethane	50	49.2	98	70 (54)	130 (147)
		Toluene-d8	50	49.6	99	70 (58)	130 (134)
		4-Bromofluorobenzene	50	51.2	102	70 (39)	130 (149)
VY1107SBS01	VY1107SBS01	1,2-Dichloroethane-d4	50	52.4	105	70 (50)	130 (163)
		Dibromofluoromethane	50	50.2	100	70 (54)	130 (147)
		Toluene-d8	50	50.0	100	70 (58)	130 (134)
		4-Bromofluorobenzene	50	48.4	97	70 (39)	130 (149)
VY1107SBSD01	VY1107SBSD01	1,2-Dichloroethane-d4	50	53.4	107	70 (50)	130 (163)
		Dibromofluoromethane	50	50.2	100	70 (54)	130 (147)
		Toluene-d8	50	50.8	102	70 (58)	130 (134)
		4-Bromofluorobenzene	50	50.1	100	70 (39)	130 (149)

( ) = LABORATORY INHOUSE LIMIT

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: SW8260D **Datafile :** VY016245.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY1107SBS01	Dichlorodifluoromethane	20	17.9	ug/Kg	90			40 (64)	160 (136)	
	Chloromethane	20	15.9	ug/Kg	79			40 (70)	160 (130)	
	Vinyl chloride	20	17.4	ug/Kg	87			70 (72)	130 (129)	
	Bromomethane	20	17.3	ug/Kg	86			40 (58)	160 (141)	
	Chloroethane	20	17.8	ug/Kg	89			40 (69)	160 (130)	
	Trichlorofluoromethane	20	20.0	ug/Kg	100			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	20.8	ug/Kg	104			70 (81)	130 (123)	
	1,1-Dichloroethene	20	19.4	ug/Kg	97			70 (79)	130 (121)	
	Acetone	100	96.7	ug/Kg	97			40 (60)	160 (131)	
	Carbon disulfide	20	15.1	ug/Kg	76			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	21.3	ug/Kg	106			70 (77)	130 (129)	
	Methyl Acetate	20	22.0	ug/Kg	110			70 (69)	130 (149)	
	Methylene Chloride	20	20.0	ug/Kg	100			70 (39)	130 (175)	
	trans-1,2-Dichloroethene	20	19.0	ug/Kg	95			70 (80)	130 (123)	
	1,1-Dichloroethane	20	21.0	ug/Kg	105			70 (82)	130 (123)	
	Cyclohexane	20	18.2	ug/Kg	91			70 (76)	130 (122)	
	2-Butanone	100	110	ug/Kg	110			40 (69)	160 (131)	
	Carbon Tetrachloride	20	21.3	ug/Kg	106			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	20.4	ug/Kg	102			70 (82)	130 (123)	
	Bromochloromethane	20	19.6	ug/Kg	98			70 (80)	130 (127)	
	Chloroform	20	21.3	ug/Kg	106			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	20.3	ug/Kg	102			70 (80)	130 (126)	
	Methylcyclohexane	20	18.1	ug/Kg	91			70 (77)	130 (123)	
	Benzene	20	19.1	ug/Kg	96			70 (84)	130 (121)	
	1,2-Dichloroethane	20	19.8	ug/Kg	99			70 (81)	130 (126)	
	Trichloroethene	20	19.1	ug/Kg	96			70 (83)	130 (122)	
	1,2-Dichloropropane	20	21.0	ug/Kg	105			70 (83)	130 (122)	
	Bromodichloromethane	20	21.0	ug/Kg	105			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	110	ug/Kg	110			40 (70)	160 (135)	
	Toluene	20	19.4	ug/Kg	97			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	20.5	ug/Kg	103			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	20.3	ug/Kg	102			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	21.3	ug/Kg	106			70 (82)	130 (125)	
	2-Hexanone	100	110	ug/Kg	110			40 (66)	160 (138)	
	Dibromochloromethane	20	20.9	ug/Kg	104			70 (79)	130 (125)	
	1,2-Dibromoethane	20	20.7	ug/Kg	104			70 (80)	130 (125)	
	Tetrachloroethene	20	18.4	ug/Kg	92			70 (83)	130 (125)	
	Chlorobenzene	20	20.0	ug/Kg	100			70 (84)	130 (122)	
	Ethyl Benzene	20	19.7	ug/Kg	99			70 (82)	130 (124)	
	m/p-Xylenes	40	39.1	ug/Kg	98			70 (83)	130 (124)	
	o-Xylene	20	19.5	ug/Kg	98			70 (83)	130 (123)	
	Styrene	20	19.7	ug/Kg	99			70 (82)	130 (124)	
	Bromoform	20	21.5	ug/Kg	108			70 (75)	130 (127)	
	Isopropylbenzene	20	20.1	ug/Kg	101			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	22.6	ug/Kg	113			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	20.3	ug/Kg	102			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	19.8	ug/Kg	99			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	20.3	ug/Kg	102			70 (83)	130 (124)	
	1,2-Dibromo-3-Chloropropane	20	20.0	ug/Kg	100			40 (66)	160 (134)	

( ) = LABORATORY INHOUSE LIMIT

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: SW8260D **Datafile :** VY016245.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY1107SBS01	1,2,4-Trichlorobenzene	20	18.8	ug/Kg	94			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	18.3	ug/Kg	92			70 (70)	130 (137)	

( ) = LABORATORY INHOUSE LIMIT

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: SW8260D **Datafile :** VY016246.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY1107SBSD01	Dichlorodifluoromethane	20	17.9	ug/Kg	90	0		40 (64)	160 (136)	30 (20)
	Chloromethane	20	16.7	ug/Kg	84	6		40 (70)	160 (130)	30 (20)
	Vinyl chloride	20	18.6	ug/Kg	93	7		70 (72)	130 (129)	30 (20)
	Bromomethane	20	18.7	ug/Kg	94	9		40 (58)	160 (141)	30 (20)
	Chloroethane	20	18.8	ug/Kg	94	5		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	21.0	ug/Kg	105	5		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	21.0	ug/Kg	105	1		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	19.8	ug/Kg	99	2		70 (79)	130 (121)	30 (20)
	Acetone	100	95.6	ug/Kg	96	1		40 (60)	160 (131)	30 (20)
	Carbon disulfide	20	15.7	ug/Kg	79	4		40 (45)	160 (154)	30 (20)
	Methyl tert-butyl Ether	20	22.0	ug/Kg	110	4		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	22.3	ug/Kg	112	2		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	21.4	ug/Kg	107	7		70 (39)	130 (175)	30 (20)
	trans-1,2-Dichloroethene	20	19.9	ug/Kg	100	5		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	21.7	ug/Kg	109	4		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	18.6	ug/Kg	93	2		70 (76)	130 (122)	30 (20)
	2-Butanone	100	110	ug/Kg	110	0		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	21.3	ug/Kg	106	0		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	21.6	ug/Kg	108	6		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	21.2	ug/Kg	106	8		70 (80)	130 (127)	30 (20)
	Chloroform	20	21.7	ug/Kg	109	3		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	21.0	ug/Kg	105	3		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	17.9	ug/Kg	90	1		70 (77)	130 (123)	30 (20)
	Benzene	20	19.9	ug/Kg	100	4		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	20.3	ug/Kg	102	3		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	19.6	ug/Kg	98	2		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	21.2	ug/Kg	106	1		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	21.5	ug/Kg	108	3		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	0		40 (70)	160 (135)	30 (20)
	Toluene	20	19.9	ug/Kg	100	3		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	20.9	ug/Kg	104	1		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	20.9	ug/Kg	104	2		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	21.3	ug/Kg	106	0		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	110	ug/Kg	110	0		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	21.6	ug/Kg	108	4		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	20.8	ug/Kg	104	0		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	18.6	ug/Kg	93	1		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	20.2	ug/Kg	101	1		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	20.1	ug/Kg	101	2		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	39.7	ug/Kg	99	1		70 (83)	130 (124)	30 (20)
	o-Xylene	20	20.2	ug/Kg	101	3		70 (83)	130 (123)	30 (20)
	Styrene	20	20.0	ug/Kg	100	1		70 (82)	130 (124)	30 (20)
	Bromoform	20	21.3	ug/Kg	106	2		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	20.3	ug/Kg	102	1		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	22.4	ug/Kg	112	1		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	20.9	ug/Kg	104	2		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	20.9	ug/Kg	104	5		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	21.2	ug/Kg	106	4		70 (83)	130 (124)	30 (20)
	1,2-Dibromo-3-Chloropropane	20	21.3	ug/Kg	106	6		40 (66)	160 (134)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: SW8260D **Datafile :** VY016246.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY1107SBSD01	1,2,4-Trichlorobenzene	20	20.8	ug/Kg	104	10		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	20.6	ug/Kg	103	11		70 (70)	130 (137)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1107SBL01

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: O5252 SAS No.: O5252 SDG NO.: O5252

Lab File ID: VY016244.D Lab Sample ID: VY1107SBL01

Date Analyzed: 11/07/2023 Time Analyzed: 09:31

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
VY1107SBS01	VY1107SBS01	VY016245.D	11/07/2023
VY1107SBSD01	VY1107SBSD01	VY016246.D	11/07/2023
WASTE-VOC	O5252-03	VY016247.D	11/07/2023

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: 05252 SAS No.: 05252 SDG NO.: 05252

Lab File ID: VY016140.D BFB Injection Date: 10/31/2023

Instrument ID: MSVOA_Y BFB Injection Time: 08:42

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.9
75	30.0 - 60.0% of mass 95	52.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.8 (0.9) 1
174	50.0 - 100.0% of mass 95	84.6
175	5.0 - 9.0% of mass 174	6.4 (7.5) 1
176	95.0 - 101.0% of mass 174	81.6 (96.5) 1
177	5.0 - 9.0% of mass 176	5.8 (7.1) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY016142.D	10/31/2023	12:26
VSTDICC010	VSTDICC010	VY016143.D	10/31/2023	12:49
VSTDICC020	VSTDICC020	VY016144.D	10/31/2023	13:12
VSTDICCC050	VSTDICCC050	VY016145.D	10/31/2023	13:37
VSTDICC100	VSTDICC100	VY016146.D	10/31/2023	14:13
VSTDICC150	VSTDICC150	VY016147.D	10/31/2023	14:40

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: O5252 SAS No.: O5252 SDG NO.: O5252

Lab File ID: VY016242.D BFB Injection Date: 11/07/2023

Instrument ID: MSVOA_Y BFB Injection Time: 08:03

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.4
75	30.0 - 60.0% of mass 95	51.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.9 (1) 1
174	50.0 - 100.0% of mass 95	90.3
175	5.0 - 9.0% of mass 174	6.8 (7.5) 1
176	95.0 - 101.0% of mass 174	86.8 (96.1) 1
177	5.0 - 9.0% of mass 176	6.1 (7) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY016243.D	11/07/2023	08:35
VY1107SBL01	VY1107SBL01	VY016244.D	11/07/2023	09:31
VY1107SBS01	VY1107SBS01	VY016245.D	11/07/2023	10:08
VY1107SBSD01	VY1107SBSD01	VY016246.D	11/07/2023	10:31
WASTE-VOC	O5252-03	VY016247.D	11/07/2023	11:34

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: 05252 SAS No.: 05252 SDG NO.: 05252

Lab File ID: VY016243.D Date Analyzed: 11/07/2023

Instrument ID: MSVOA_Y Time Analyzed: 08:35

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	164275	7.80	262616	8.70	222967	11.50
UPPER LIMIT	328550	8.295	525232	9.197	445934	12.002
LOWER LIMIT	82137.5	7.295	131308	8.197	111484	11.002
EPA SAMPLE NO.						
WASTE-VOC	104317	7.80	183103	8.70	164024	11.50
VY1107SBL01	106864	7.80	189173	8.70	181795	11.50
VY1107SBS01	169940	7.80	275085	8.70	237625	11.50
VY1107SBSD01	160601	7.80	263538	8.70	230283	11.50

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: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: 05252 SAS No.: 05252 SDG NO.: 05252

Lab File ID: VY016243.D Date Analyzed: 11/07/2023

Instrument ID: MSVOA_Y Time Analyzed: 08:35

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

	IS4 AREA #	RT #				
12 HOUR STD	100419	13.434				
UPPER LIMIT	200838	13.934				
LOWER LIMIT	50209.5	12.934				
EPA SAMPLE NO.						
WASTE-VOC	59390	13.43				
VY1107SBL01	83712	13.43				
VY1107SBS01	111499	13.43				
VY1107SBSD01	109001	13.43				

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.

CHEMTECH

A
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QC SAMPLE DATA

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	VY1107SBL01	SDG No.:	O5252
Lab Sample ID:	VY1107SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY016244.D	1		11/07/23 09:31	VY110723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.0016	U	0.0016	0.0050	mg/Kg
74-87-3	Chloromethane	0.00091	U	0.00091	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.00093	U	0.00093	0.0050	mg/Kg
74-83-9	Bromomethane	0.0012	U	0.0012	0.0050	mg/Kg
75-00-3	Chloroethane	0.00088	U	0.00088	0.0050	mg/Kg
75-69-4	Trichlorofluoromethane	0.0011	U	0.0011	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.00072	U	0.00072	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.00079	U	0.00079	0.0050	mg/Kg
67-64-1	Acetone	0.0094	U	0.0094	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.0022	U	0.0022	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.00065	U	0.00065	0.0050	mg/Kg
79-20-9	Methyl Acetate	0.0016	U	0.0016	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.0072	J	0.0061	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.00073	U	0.00073	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.00072	U	0.00072	0.0050	mg/Kg
110-82-7	Cyclohexane	0.00070	U	0.00070	0.0050	mg/Kg
78-93-3	2-Butanone	0.0073	U	0.0073	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.00078	U	0.00078	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.00064	U	0.00064	0.0050	mg/Kg
74-97-5	Bromochloromethane	0.0024	U	0.0024	0.0050	mg/Kg
67-66-3	Chloroform	0.0013	U	0.0013	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.00076	U	0.00076	0.0050	mg/Kg
108-87-2	Methylcyclohexane	0.0034	U	0.0034	0.0050	mg/Kg
71-43-2	Benzene	0.00066	U	0.00066	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.00072	U	0.00072	0.0050	mg/Kg
79-01-6	Trichloroethene	0.00066	U	0.00066	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.00059	U	0.00059	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.00070	U	0.00070	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.0045	U	0.0045	0.025	mg/Kg
108-88-3	Toluene	0.00065	U	0.00065	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.00077	U	0.00077	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.00074	U	0.00074	0.0050	mg/Kg

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	VY1107SBL01	SDG No.:	O5252
Lab Sample ID:	VY1107SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY016244.D	1		11/07/23 09:31	VY110723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	0.00086	U	0.00086	0.0050	mg/Kg
591-78-6	2-Hexanone	0.0053	U	0.0053	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.00085	U	0.00085	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.00079	U	0.00079	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.00077	U	0.00077	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.00063	U	0.00063	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.00067	U	0.00067	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.0014	U	0.0014	0.010	mg/Kg
95-47-6	o-Xylene	0.00077	U	0.00077	0.0050	mg/Kg
100-42-5	Styrene	0.00069	U	0.00069	0.0050	mg/Kg
75-25-2	Bromoform	0.00095	U	0.00095	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.00071	U	0.00071	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.00068	U	0.00068	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.00060	U	0.00060	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.00060	U	0.00060	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0012	U	0.0012	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.00061	U	0.00061	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.00063	U	0.00063	0.0050	mg/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	62.4		70 (50) - 130 (163)	125%	SPK: 50
1868-53-7	Dibromofluoromethane	49.2		70 (54) - 130 (147)	98%	SPK: 50
2037-26-5	Toluene-d8	49.6		70 (58) - 130 (134)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.2		70 (39) - 130 (149)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	107000	7.795			
540-36-3	1,4-Difluorobenzene	189000	8.697			
3114-55-4	Chlorobenzene-d5	182000	11.496			
3855-82-1	1,4-Dichlorobenzene-d4	83700	13.434			

Raw Data: **VY016244.D**

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	VY1107SBL01	SDG No.:	O5252
Lab Sample ID:	VY1107SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY016244.D	1		11/07/23 09:31	VY110723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	VY1107SBS01	SDG No.:	O5252
Lab Sample ID:	VY1107SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY016245.D	1		11/07/23 10:08	VY110723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.018		0.0016	0.0050	mg/Kg
74-87-3	Chloromethane	0.016		0.00091	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.017		0.00093	0.0050	mg/Kg
74-83-9	Bromomethane	0.017		0.0012	0.0050	mg/Kg
75-00-3	Chloroethane	0.018		0.00088	0.0050	mg/Kg
75-69-4	Trichlorofluoromethane	0.020		0.0011	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.021		0.00072	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.019		0.00079	0.0050	mg/Kg
67-64-1	Acetone	0.097		0.0094	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.015		0.0022	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.021		0.00065	0.0050	mg/Kg
79-20-9	Methyl Acetate	0.022		0.0016	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.020		0.0061	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.019		0.00073	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.021		0.00072	0.0050	mg/Kg
110-82-7	Cyclohexane	0.018		0.00070	0.0050	mg/Kg
78-93-3	2-Butanone	0.11		0.0073	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.021		0.00078	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.020		0.00064	0.0050	mg/Kg
74-97-5	Bromochloromethane	0.020		0.0024	0.0050	mg/Kg
67-66-3	Chloroform	0.021		0.0013	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.020		0.00076	0.0050	mg/Kg
108-87-2	Methylcyclohexane	0.018		0.0034	0.0050	mg/Kg
71-43-2	Benzene	0.019		0.00066	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.020		0.00072	0.0050	mg/Kg
79-01-6	Trichloroethene	0.019		0.00066	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.021		0.00059	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.021		0.00070	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.11		0.0045	0.025	mg/Kg
108-88-3	Toluene	0.019		0.00065	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.021		0.00077	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.020		0.00074	0.0050	mg/Kg

Raw Data: **VY016245.D**

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	VY1107SBS01	SDG No.:	O5252
Lab Sample ID:	VY1107SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY016245.D	1		11/07/23 10:08	VY110723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	0.021		0.00086	0.0050	mg/Kg
591-78-6	2-Hexanone	0.11		0.0053	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.021		0.00085	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.021		0.00079	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.018		0.00077	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.020		0.00063	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.020		0.00067	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.039		0.0014	0.010	mg/Kg
95-47-6	o-Xylene	0.020		0.00077	0.0050	mg/Kg
100-42-5	Styrene	0.020		0.00069	0.0050	mg/Kg
75-25-2	Bromoform	0.022		0.00095	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.020		0.00071	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.023		0.0011	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.020		0.00068	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.020		0.00060	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.020		0.00060	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.020		0.0012	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.019		0.00061	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.018		0.00063	0.0050	mg/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.3		70 (50) - 130 (163)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		70 (54) - 130 (147)	100%	SPK: 50
2037-26-5	Toluene-d8	50.0		70 (58) - 130 (134)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.4		70 (39) - 130 (149)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	170000	7.795			
540-36-3	1,4-Difluorobenzene	275000	8.697			
3114-55-4	Chlorobenzene-d5	238000	11.496			
3855-82-1	1,4-Dichlorobenzene-d4	111000	13.434			

Raw Data: **VY016245.D**

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

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	VY1107SBS01	SDG No.:	O5252
Lab Sample ID:	VY1107SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY016245.D	1		11/07/23 10:08	VY110723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	VY1107SBSD01	SDG No.:	O5252
Lab Sample ID:	VY1107SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY016246.D	1		11/07/23 10:31	VY110723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.018		0.0016	0.0050	mg/Kg
74-87-3	Chloromethane	0.017		0.00091	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.019		0.00093	0.0050	mg/Kg
74-83-9	Bromomethane	0.019		0.0012	0.0050	mg/Kg
75-00-3	Chloroethane	0.019		0.00088	0.0050	mg/Kg
75-69-4	Trichlorofluoromethane	0.021		0.0011	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.021		0.00072	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.020		0.00079	0.0050	mg/Kg
67-64-1	Acetone	0.096		0.0094	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.016		0.0022	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.022		0.00065	0.0050	mg/Kg
79-20-9	Methyl Acetate	0.022		0.0016	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.021		0.0061	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.020		0.00073	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.022		0.00072	0.0050	mg/Kg
110-82-7	Cyclohexane	0.019		0.00070	0.0050	mg/Kg
78-93-3	2-Butanone	0.11		0.0073	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.021		0.00078	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.022		0.00064	0.0050	mg/Kg
74-97-5	Bromochloromethane	0.021		0.0024	0.0050	mg/Kg
67-66-3	Chloroform	0.022		0.0013	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.021		0.00076	0.0050	mg/Kg
108-87-2	Methylcyclohexane	0.018		0.0034	0.0050	mg/Kg
71-43-2	Benzene	0.020		0.00066	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.020		0.00072	0.0050	mg/Kg
79-01-6	Trichloroethene	0.020		0.00066	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.021		0.00059	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.022		0.00070	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.11		0.0045	0.025	mg/Kg
108-88-3	Toluene	0.020		0.00065	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.021		0.00077	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.021		0.00074	0.0050	mg/Kg

Raw Data: **VY016246.D**

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

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	VY1107SBSD01	SDG No.:	O5252
Lab Sample ID:	VY1107SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY016246.D	1		11/07/23 10:31	VY110723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	0.021		0.00086	0.0050	mg/Kg
591-78-6	2-Hexanone	0.11		0.0053	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.022		0.00085	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.021		0.00079	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.019		0.00077	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.020		0.00063	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.020		0.00067	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.040		0.0014	0.010	mg/Kg
95-47-6	o-Xylene	0.020		0.00077	0.0050	mg/Kg
100-42-5	Styrene	0.020		0.00069	0.0050	mg/Kg
75-25-2	Bromoform	0.021		0.00095	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.020		0.00071	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.022		0.0011	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.021		0.00068	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.021		0.00060	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.021		0.00060	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.021		0.0012	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.021		0.00061	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.021		0.00063	0.0050	mg/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.4		70 (50) - 130 (163)	107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		70 (54) - 130 (147)	100%	SPK: 50
2037-26-5	Toluene-d8	50.8		70 (58) - 130 (134)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		70 (39) - 130 (149)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	161000	7.795			
540-36-3	1,4-Difluorobenzene	264000	8.697			
3114-55-4	Chlorobenzene-d5	230000	11.496			
3855-82-1	1,4-Dichlorobenzene-d4	109000	13.428			

Raw Data: **VY016246.D**

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

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	VY1107SBSD01	SDG No.:	O5252
Lab Sample ID:	VY1107SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY016246.D	1		11/07/23 10:31	VY110723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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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A
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CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: O5252 SAS No.: O5252 SDG No.: O5252

Instrument ID: MSVOA_Y Calibration Date(s): 10/31/2023 10/31/2023

Heated Purge: (Y/N) Y Calibration Time(s): 12:26 14:40

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

LAB FILE ID: RRF005 = VY016142.D RRF010 = VY016143.D RRF020 = VY016144.D
RRF050 = VY016145.D RRF100 = VY016146.D RRF150 = VY016147.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.280	0.326	0.304	0.335	0.346	0.322	0.319	7.5
Chloromethane	0.424	0.471	0.443	0.435	0.451	0.425	0.442	4
Vinyl Chloride	0.402	0.465	0.440	0.469	0.495	0.464	0.456	6.9
Bromomethane	0.282	0.307	0.299	0.302	0.333	0.323	0.308	6
Chloroethane	0.277	0.333	0.322	0.318	0.346	0.328	0.321	7.3
Trichlorofluoromethane	0.619	0.704	0.671	0.702	0.735	0.697	0.688	5.8
1,1,2-Trichlorotrifluoroethane	0.411	0.435	0.430	0.438	0.456	0.431	0.433	3.4
1,1-Dichloroethene	0.371	0.409	0.392	0.390	0.419	0.394	0.396	4.2
Acetone	0.118	0.102	0.084	0.069	0.077	0.069	0.086	22.6
Carbon Disulfide	0.858	0.981	0.958	1.015	1.088	1.026	0.988	7.8
Methyl tert-butyl Ether	0.969	1.171	1.139	1.071	1.240	1.162	1.125	8.4
Methyl Acetate	0.355	0.392	0.383	0.344	0.404	0.380	0.376	6
Methylene Chloride	0.683	0.611	0.511	0.459	0.485	0.448	0.533	17.6
trans-1,2-Dichloroethene	0.421	0.460	0.466	0.457	0.492	0.469	0.461	5
1,1-Dichloroethane	0.721	0.856	0.827	0.794	0.884	0.834	0.819	6.9
Cyclohexane	0.782	0.765	0.681	0.690	0.716	0.682	0.719	6.1
2-Butanone	0.138	0.142	0.128	0.113	0.132	0.122	0.129	8.1
Carbon Tetrachloride	0.343	0.420	0.418	0.443	0.478	0.458	0.426	11
cis-1,2-Dichloroethene	0.485	0.558	0.544	0.529	0.583	0.555	0.542	6.2
Bromochloromethane	0.313	0.316	0.297	0.303	0.311	0.299	0.307	2.6
Chloroform	0.792	0.938	0.908	0.871	0.946	0.896	0.892	6.3
1,1,1-Trichloroethane	0.731	0.849	0.823	0.812	0.869	0.824	0.818	5.8
Methylcyclohexane	0.466	0.503	0.500	0.539	0.556	0.519	0.514	6.2
Benzene	1.152	1.297	1.226	1.210	1.309	1.221	1.236	4.7
1,2-Dichloroethane	0.316	0.367	0.348	0.332	0.364	0.342	0.345	5.6
Trichloroethene	0.330	0.382	0.360	0.360	0.383	0.356	0.362	5.4
1,2-Dichloropropane	0.254	0.313	0.297	0.296	0.323	0.301	0.297	7.9
Bromodichloromethane	0.378	0.439	0.433	0.419	0.466	0.436	0.428	6.8
4-Methyl-2-Pentanone	0.167	0.200	0.191	0.180	0.207	0.190	0.189	7.5
Toluene	0.727	0.816	0.800	0.799	0.860	0.802	0.801	5.4
t-1,3-Dichloropropene	0.378	0.435	0.424	0.413	0.470	0.447	0.428	7.3
cis-1,3-Dichloropropene	0.443	0.520	0.503	0.486	0.546	0.514	0.502	7.1
1,1,2-Trichloroethane	0.213	0.257	0.236	0.228	0.254	0.236	0.237	7

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: O5252 SAS No.: O5252 SDG No.: O5252

Instrument ID: MSVOA_Y Calibration Date(s): 10/31/2023 10/31/2023

Heated Purge: (Y/N) Y Calibration Time(s): 12:26 14:40

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

LAB FILE ID: RRF005 = VY016142.D RRF010 = VY016143.D RRF020 = VY016144.D
RRF050 = VY016145.D RRF100 = VY016146.D RRF150 = VY016147.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
2-Hexanone	0.115	0.139	0.130	0.123	0.142	0.129	0.130	7.8
Dibromochloromethane	0.261	0.313	0.298	0.288	0.322	0.303	0.298	7.2
1,2-Dibromoethane	0.203	0.237	0.228	0.217	0.242	0.227	0.226	6.2
Tetrachloroethene	0.431	0.472	0.446	0.445	0.458	0.416	0.445	4.5
Chlorobenzene	0.903	1.021	0.994	0.984	1.061	0.996	0.993	5.3
Ethyl Benzene	1.531	1.794	1.784	1.801	1.937	1.813	1.777	7.5
m/p-Xylenes	0.592	0.690	0.691	0.698	0.748	0.700	0.687	7.4
o-Xylene	0.580	0.657	0.649	0.655	0.716	0.676	0.656	6.8
Styrene	0.944	1.088	1.093	1.091	1.193	1.129	1.090	7.5
Bromoform	0.180	0.212	0.201	0.195	0.226	0.211	0.204	7.7
Isopropylbenzene	3.270	3.831	3.777	3.766	4.045	3.815	3.751	6.8
1,1,2,2-Tetrachloroethane	0.530	0.642	0.599	0.549	0.645	0.617	0.597	8
1,3-Dichlorobenzene	1.552	1.758	1.677	1.645	1.789	1.656	1.680	5.1
1,4-Dichlorobenzene	1.597	1.746	1.675	1.588	1.747	1.608	1.660	4.4
1,2-Dichlorobenzene	1.354	1.532	1.454	1.403	1.544	1.420	1.451	5.1
1,2-Dibromo-3-Chloropropane	0.114	0.115	0.103	0.099	0.108	0.101	0.107	6.5
1,2,4-Trichlorobenzene	0.907	0.961	0.910	0.883	0.907	0.807	0.896	5.7
1,2,3-Trichlorobenzene	0.796	0.819	0.785	0.737	0.775	0.679	0.765	6.6
1,2-Dichloroethane-d4	0.466	0.460	0.471	0.439	0.505	0.466	0.468	4.6
Dibromofluoromethane	0.295	0.288	0.303	0.283	0.320	0.300	0.298	4.4
Toluene-d8	1.142	1.123	1.164	1.155	1.301	1.205	1.182	5.5
4-Bromofluorobenzene	0.423	0.395	0.401	0.372	0.434	0.401	0.404	5.4

* 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.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: 05252 SAS No.: 05252 SDG No.: 05252

Instrument ID: MSVOA_Y Calibration Date/Time: 11/07/2023 08:35

Lab File ID: VY016243.D Init. Calib. Date(s): 10/31/2023 10/31/2023

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:26 14:40

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.319	0.348		9.09	20
Chloromethane	0.442	0.432	0.1	-2.26	20
Vinyl Chloride	0.456	0.497		8.99	20
Bromomethane	0.308	0.320		3.9	20
Chloroethane	0.321	0.340		5.92	20
Trichlorofluoromethane	0.688	0.789		14.68	20
1,1,2-Trichlorotrifluoroethane	0.433	0.492		13.63	20
1,1-Dichloroethene	0.396	0.443		11.87	20
Acetone	0.086	0.071		-17.44	20
Carbon Disulfide	0.988	1.058		7.09	20
Methyl tert-butyl Ether	1.125	1.188		5.6	20
Methyl Acetate	0.376	0.392		4.26	20
Methylene Chloride	0.533	0.513		-3.75	20
trans-1,2-Dichloroethene	0.461	0.511		10.85	20
1,1-Dichloroethane	0.819	0.924	0.1	12.82	20
Cyclohexane	0.719	0.758		5.42	20
2-Butanone	0.129	0.125		-3.1	20
Carbon Tetrachloride	0.426	0.516		21.13	20
cis-1,2-Dichloroethene	0.542	0.603		11.26	20
Bromochloromethane	0.307	0.331		7.82	20
Chloroform	0.892	0.987		10.65	20
1,1,1-Trichloroethane	0.818	0.898		9.78	20
Methylcyclohexane	0.514	0.557		8.37	20
Benzene	1.236	1.325		7.2	20
1,2-Dichloroethane	0.345	0.352		2.03	20
Trichloroethene	0.362	0.380		4.97	20
1,2-Dichloropropane	0.297	0.330		11.11	20
Bromodichloromethane	0.428	0.467		9.11	20
4-Methyl-2-Pentanone	0.189	0.187		-1.06	20
Toluene	0.801	0.855		6.74	20
t-1,3-Dichloropropene	0.428	0.453		5.84	20
cis-1,3-Dichloropropene	0.502	0.536		6.77	20
1,1,2-Trichloroethane	0.237	0.248		4.64	20
2-Hexanone	0.130	0.129		-0.77	20
Dibromochloromethane	0.298	0.317		6.38	20
1,2-Dibromoethane	0.226	0.232		2.65	20
Tetrachloroethene	0.445	0.444		-0.22	20
Chlorobenzene	0.993	1.066	0.3	7.35	20
Ethyl Benzene	1.777	1.949		9.68	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: 05252 SAS No.: 05252 SDG No.: 05252

Instrument ID: MSVOA_Y Calibration Date/Time: 11/07/2023 08:35

Lab File ID: VY016243.D Init. Calib. Date(s): 10/31/2023 10/31/2023

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:26 14:40

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.687	0.747		8.73	20
o-Xylene	0.656	0.704		7.32	20
Styrene	1.090	1.169		7.25	20
Bromoform	0.204	0.216	0.1	5.88	20
Isopropylbenzene	3.751	4.261		13.6	20
1,1,2,2-Tetrachloroethane	0.597	0.650	0.3	8.88	20
1,3-Dichlorobenzene	1.680	1.818		8.21	20
1,4-Dichlorobenzene	1.660	1.791		7.89	20
1,2-Dichlorobenzene	1.451	1.562		7.65	20
1,2-Dibromo-3-Chloropropane	0.107	0.096		-10.28	20
1,2,4-Trichlorobenzene	0.896	0.887		-1	20
1,2,3-Trichlorobenzene	0.765	0.702		-8.23	20
1,2-Dichloroethane-d4	0.468	0.467		-0.21	20
Dibromofluoromethane	0.298	0.296		-0.67	20
Toluene-d8	1.182	1.186		0.34	20
4-Bromofluorobenzene	0.404	0.389		-3.71	20

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

CHEMTECH

A
B
C
D
E
F
G
H
I
J

SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016247.D
Acq On : 07 Nov 2023 11:34
Operator : SY/MD
Sample : 05252-03
Misc : 4.94g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WASTE-VOC

Quant Time: Nov 07 23:44:08 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.795	168	104317	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	183103	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	164024	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	59390	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	57215	58.614	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.220%			
35) Dibromofluoromethane	7.728	113	54282	49.727	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.460%			
50) Toluene-d8	10.191	98	211918	48.964	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.920%			
62) 4-Bromofluorobenzene	12.489	95	64491	43.577	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 87.160%			
Target Compounds						Qvalue
20) Methylene Chloride	4.716	84	37538	37.018	ug/l #	83

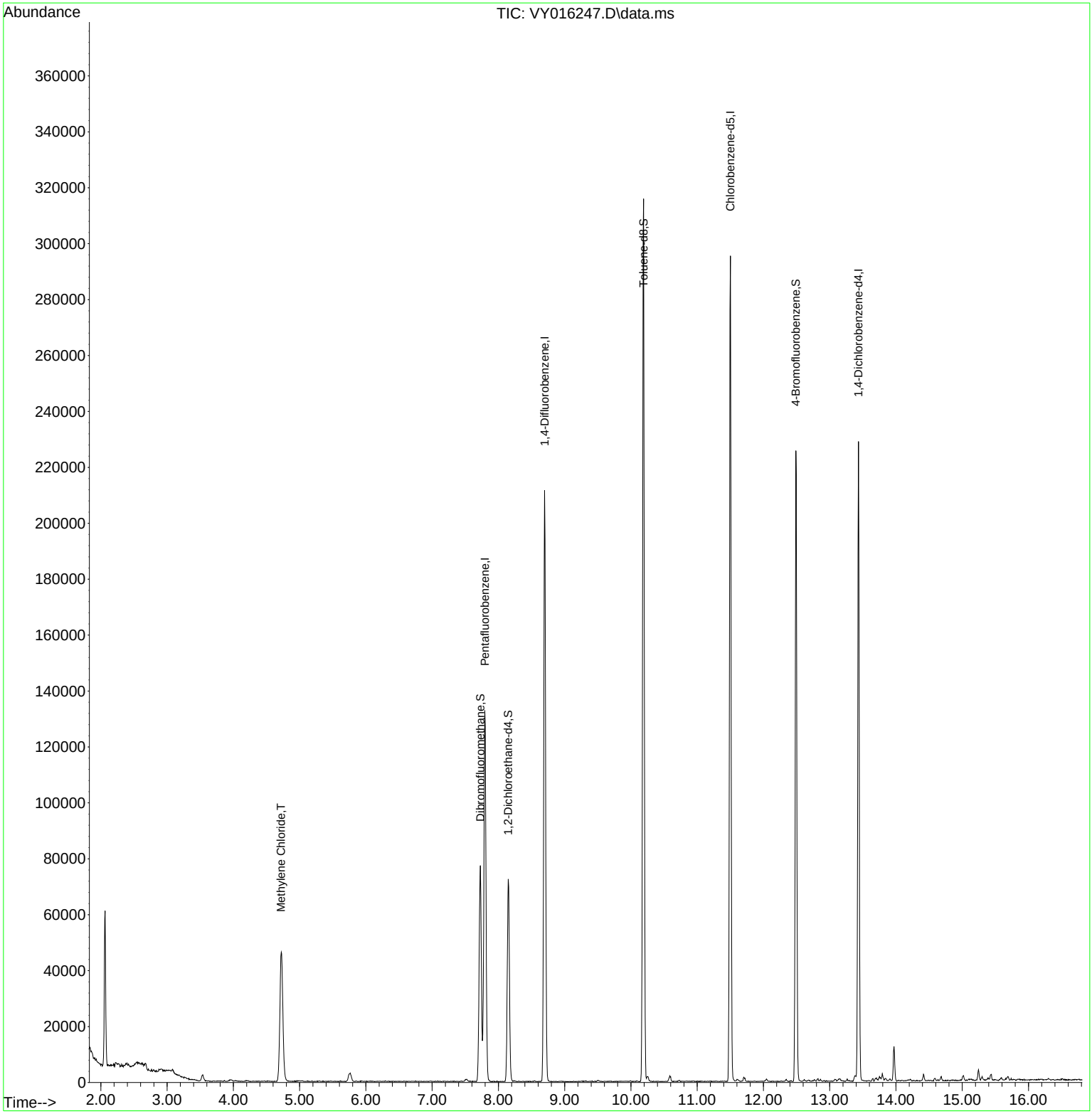
(#) = qualifier out of range (m) = manual integration (+) = signals summed

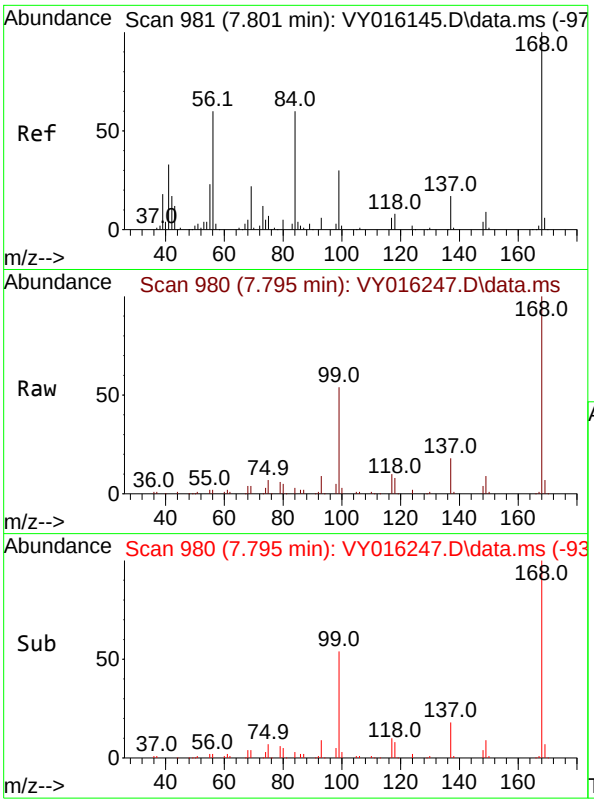
Sample Results: **VY016247.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016247.D
Acq On : 07 Nov 2023 11:34
Operator : SY/MD
Sample : 05252-03
Misc : 4.94g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WASTE-VOC

Quant Time: Nov 07 23:44:08 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration



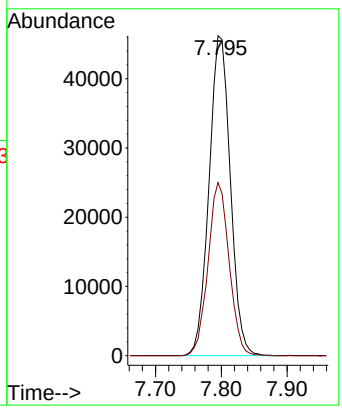


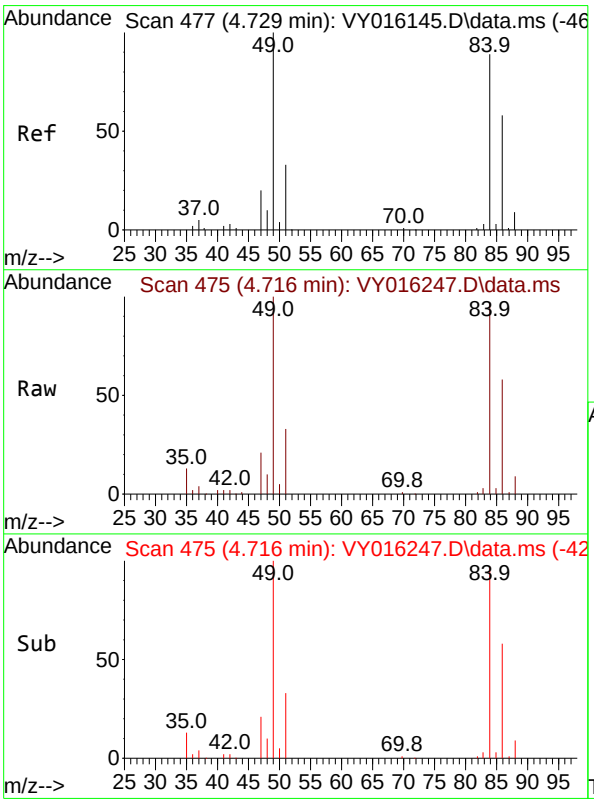
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY016247.D
Acq: 07 Nov 2023 11:34

Instrument :
MSVOA_Y
ClientSampleId :
WASTE-VOC

Tgt Ion:168 Resp: 104317

Ion	Ratio	Lower	Upper
168	100		
99	54.1	43.4	65.0

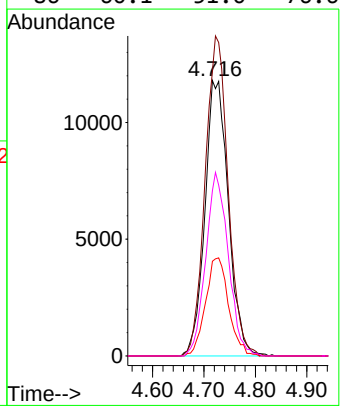


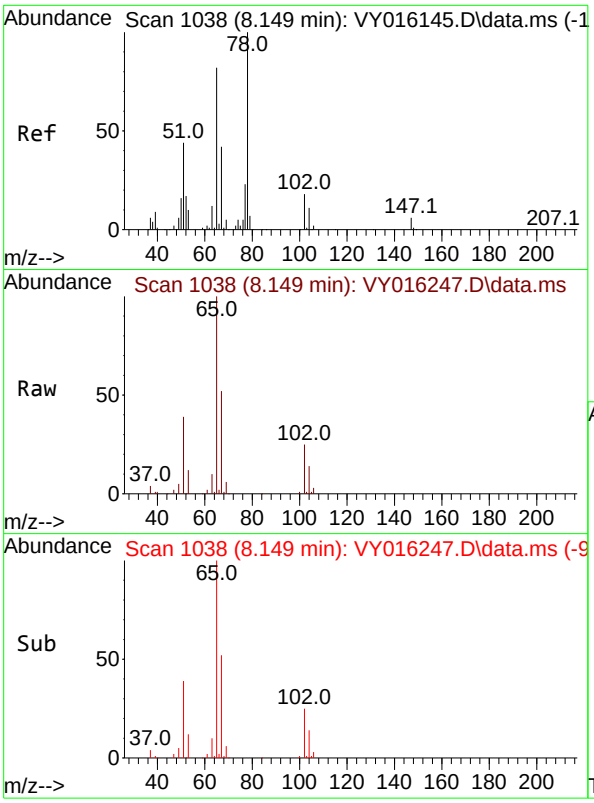


#20
Methylene Chloride
Concen: 37.018 ug/l
RT: 4.716 min Scan# 475
Delta R.T. -0.013 min
Lab File: VY016247.D
Acq: 07 Nov 2023 11:34

Tgt Ion: 84 Resp: 37538

Ion	Ratio	Lower	Upper
84	100		
49	103.4	106.9	160.3#
51	34.4	33.2	49.8
86	60.1	51.0	76.6



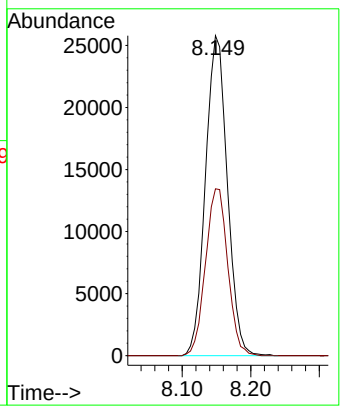


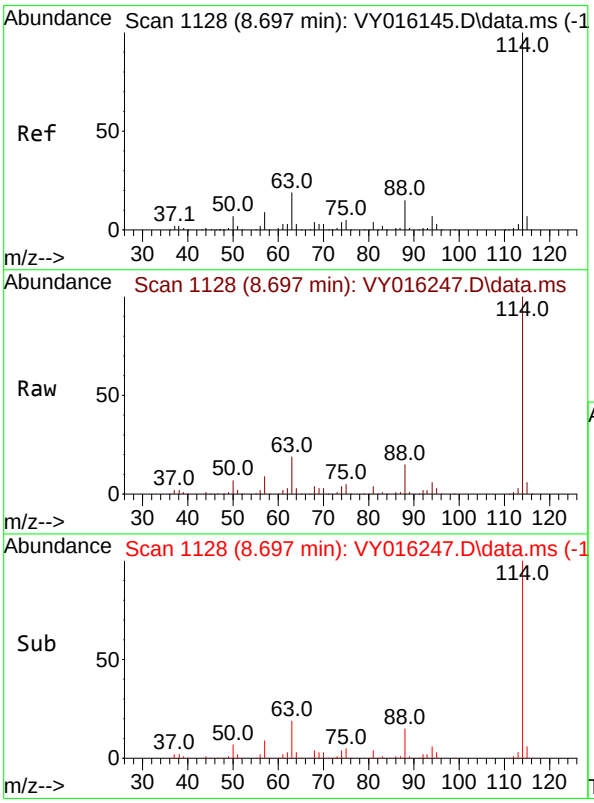
#33
1,2-Dichloroethane-d4
Concen: 58.614 ug/l
RT: 8.149 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY016247.D
Acq: 07 Nov 2023 11:34

Instrument :
MSVOA_Y
ClientSampleId :
WASTE-VOC

Tgt Ion: 65 Resp: 57215

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	101.8

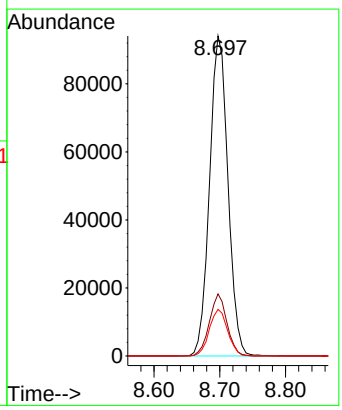


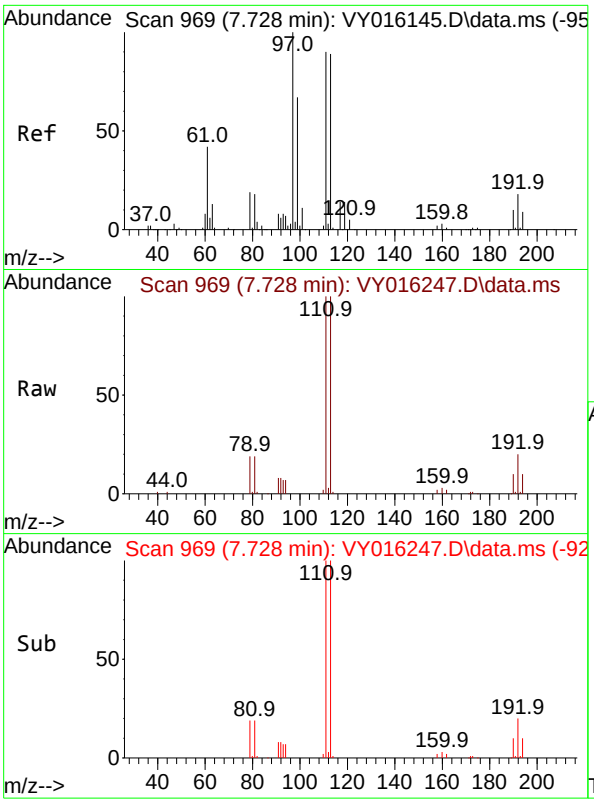


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY016247.D
Acq: 07 Nov 2023 11:34

Tgt Ion:114 Resp: 183103

Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	42.4
88	14.6	0.0	30.6



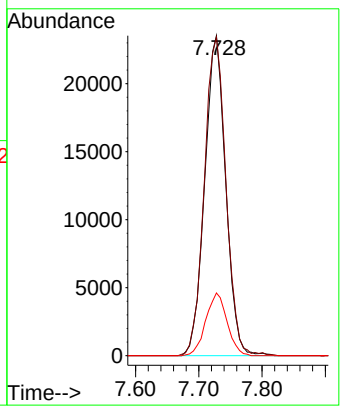


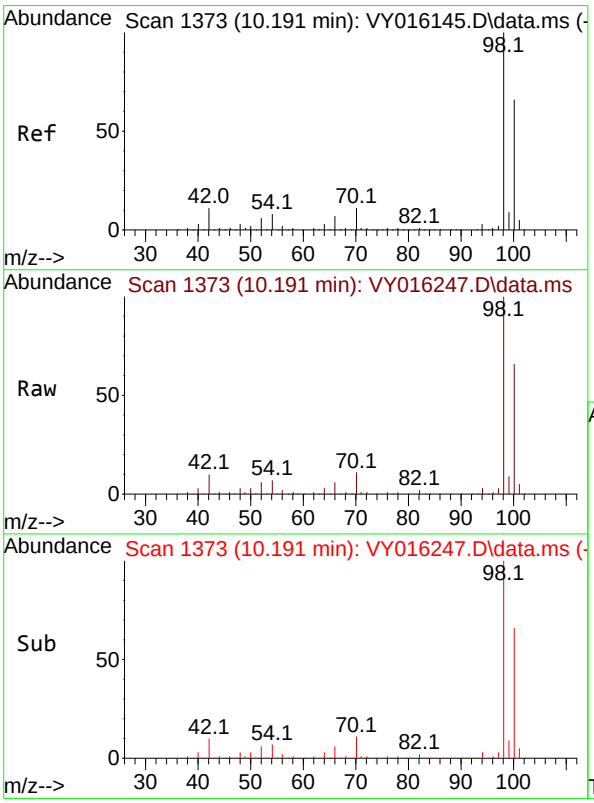
#35
Dibromofluoromethane
Concen: 49.727 ug/l
RT: 7.728 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY016247.D
Acq: 07 Nov 2023 11:34

Instrument :
MSVOA_Y
ClientSampleId :
WASTE-VOC

Tgt Ion:113 Resp: 54282

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.3	121.9
192	19.9	16.9	25.3

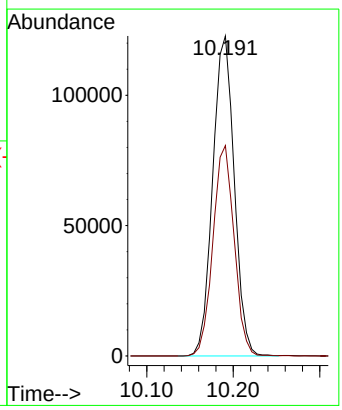


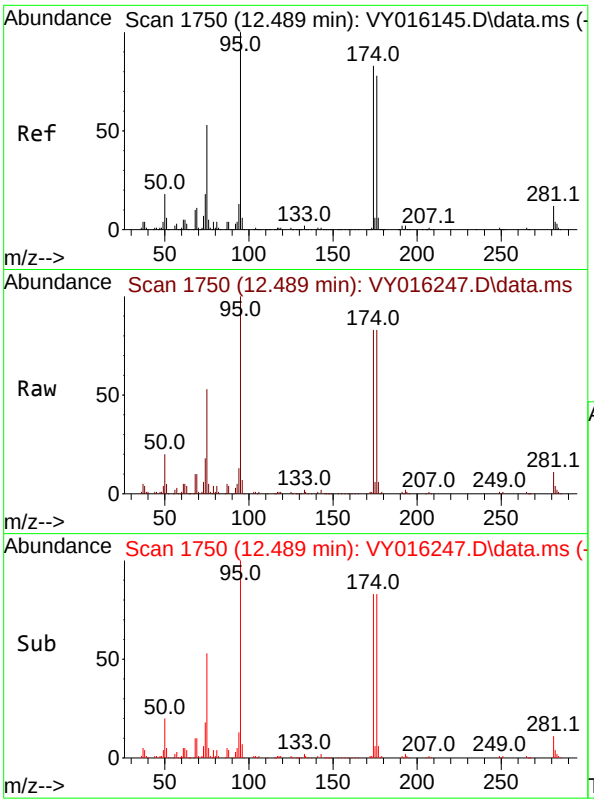


#50
Toluene-d8
Concen: 48.964 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. -0.000 min
Lab File: VY016247.D
Acq: 07 Nov 2023 11:34

Tgt Ion: 98 Resp: 211918

Ion	Ratio	Lower	Upper
98	100		
100	64.9	50.1	75.1



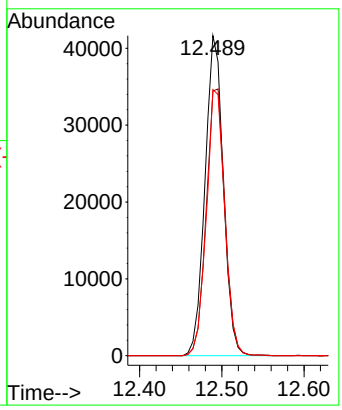


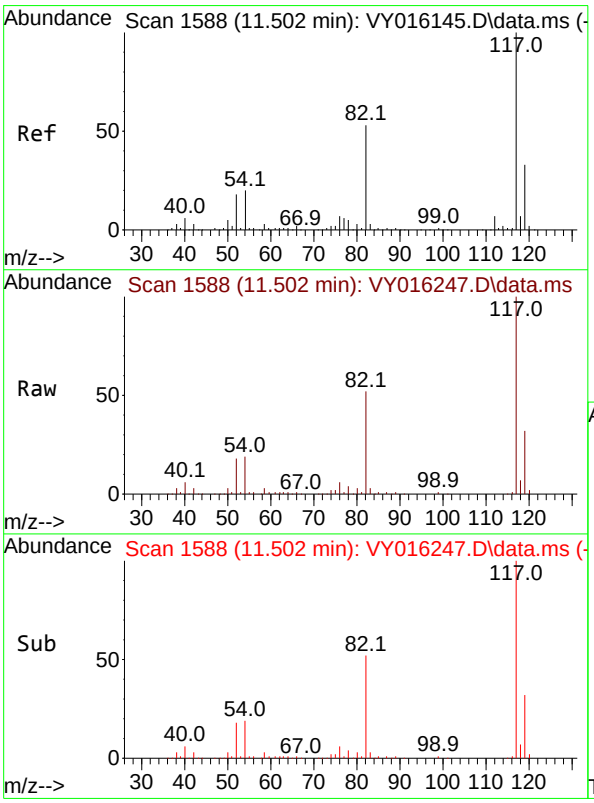
#62
4-Bromofluorobenzene
Concen: 43.577 ug/l
RT: 12.489 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY016247.D
Acq: 07 Nov 2023 11:34

Instrument :
MSVOA_Y
ClientSampleId :
WASTE-VOC

Tgt Ion: 95 Resp: 64491

Ion	Ratio	Lower	Upper
95	100		
174	85.4	0.0	178.2
176	83.4	0.0	173.8

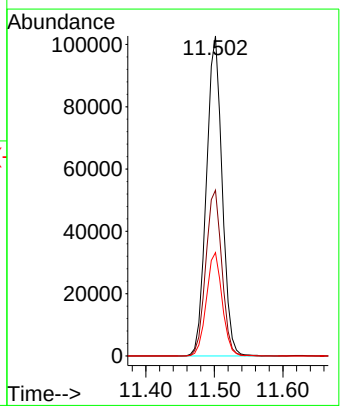


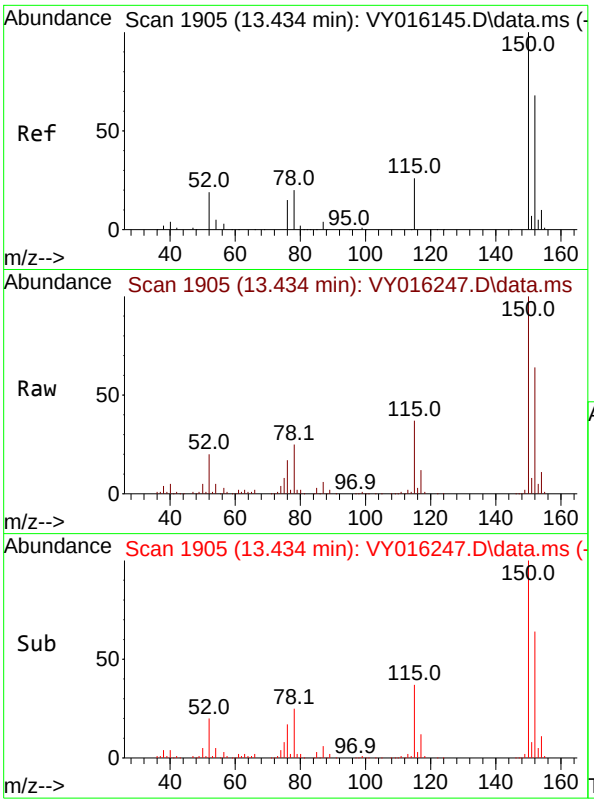


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. -0.000 min
Lab File: VY016247.D
Acq: 07 Nov 2023 11:34

Tgt Ion:117 Resp: 164024

Ion	Ratio	Lower	Upper
117	100		
82	51.8	43.4	65.0
119	32.3	26.3	39.5



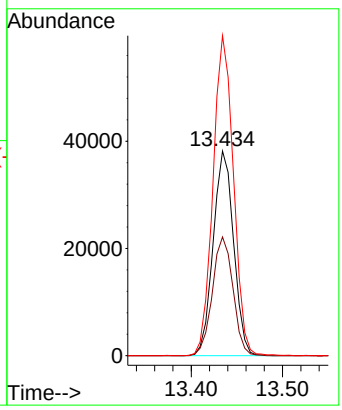


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY016247.D
Acq: 07 Nov 2023 11:34

Instrument :
MSVOA_Y
ClientSampleId :
WASTE-VOC

Tgt Ion:152 Resp: 59390

Ion	Ratio	Lower	Upper
152	100		
115	58.4	28.8	86.5
150	156.3	0.0	348.8



Sample Results: **VY016247.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016247.D
Acq On : 07 Nov 2023 11:34
Operator : SY/MD
Sample : 05252-03
Misc : 4.94g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WASTE-VOC

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\82Y103123S.M
Title : SW846 8260

Signal : TIC: VY016247.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.064	34	40	46	rVB	55441	80397	14.72%	2.641%
2	4.722	465	476	492	rBV2	46220	145393	26.62%	4.775%
3	5.765	636	647	657	rBV3	3112	9914	1.82%	0.326%
4	7.728	959	969	974	rBV	77235	179841	32.93%	5.907%
5	7.795	974	980	992	rVB	132639	295975	54.19%	9.721%
6	8.149	1030	1038	1049	rBV	72364	161864	29.63%	5.316%
7	8.697	1119	1128	1143	rVB	211505	408363	74.77%	13.412%
8	10.191	1365	1373	1380	rBV	315678	546195	100.00%	17.939%
9	11.502	1580	1588	1599	rBV	295259	476968	87.33%	15.665%
10	12.489	1743	1750	1765	rVB2	225587	365565	66.93%	12.007%
11	13.434	1899	1905	1914	rVB	228524	354868	64.97%	11.655%
12	13.971	1987	1993	2000	rVB2	12392	19376	3.55%	0.636%

Sum of corrected areas: 3044719

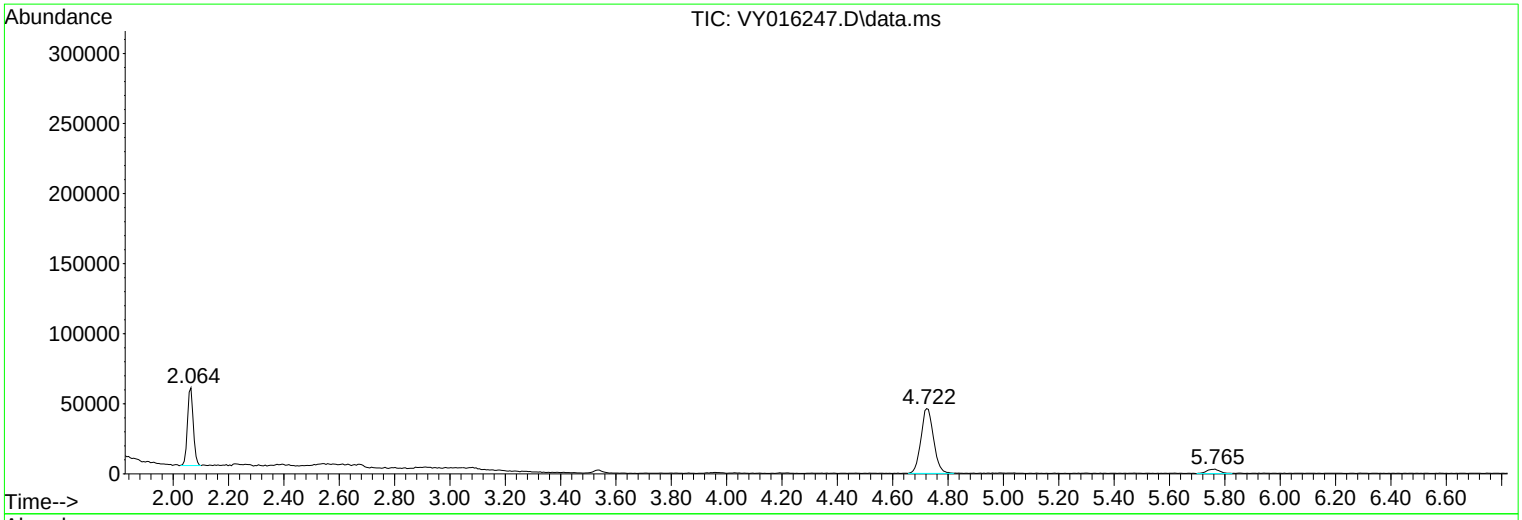
Sample Results: **VY016247.D**

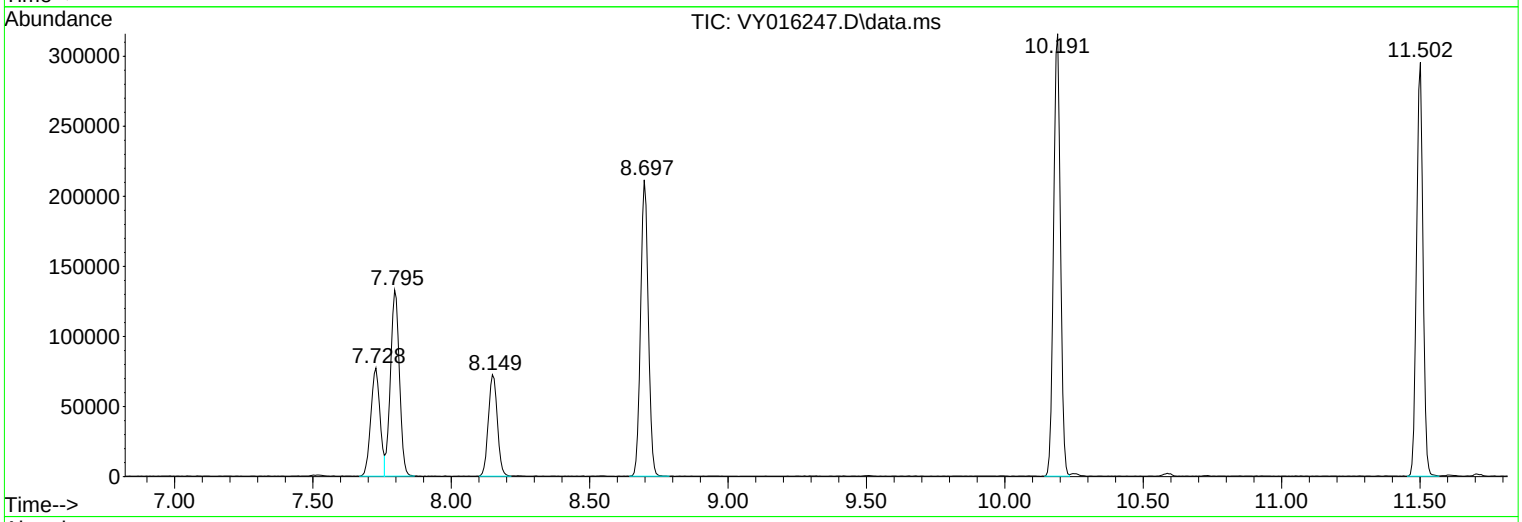
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016247.D
Acq On : 07 Nov 2023 11:34
Operator : SY/MD
Sample : 05252-03
Misc : 4.94g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

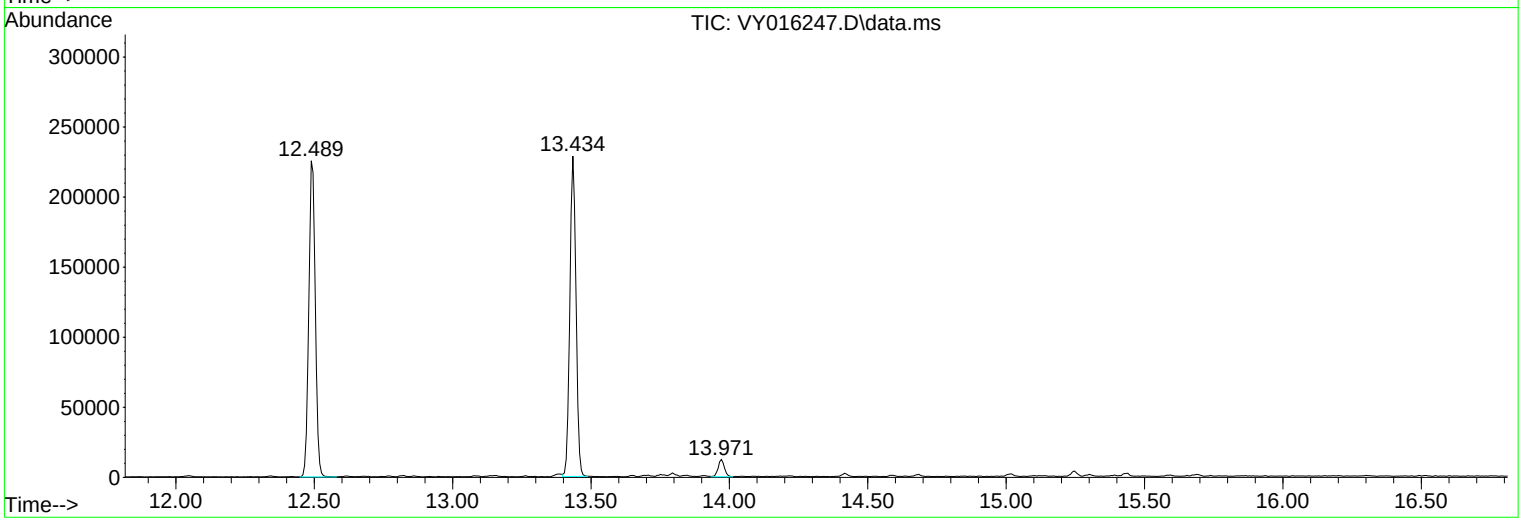
Instrument :
MSVOA_Y
ClientSampleId :
WASTE-VOC

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016247.D
Acq On : 07 Nov 2023 11:34
Operator : SY/MD
Sample : 05252-03
Misc : 4.94g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WASTE-VOC

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.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\VY110723\
Data File : VY016247.D
Acq On : 07 Nov 2023 11:34
Operator : SY/MD
Sample : 05252-03
Misc : 4.94g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WASTE-VOC

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.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\VY110723\
Data File : VY016244.D
Acq On : 07 Nov 2023 09:31
Operator : SY/MD
Sample : VY1107SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

Quant Time: Nov 07 23:42:01 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.795	168	106864	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	189173	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	181795	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	83712	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	62381	62.383	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 124.760%			
35) Dibromofluoromethane	7.728	113	55475	49.189	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.380%			
50) Toluene-d8	10.185	98	221655	49.571	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.140%			
62) 4-Bromofluorobenzene	12.489	95	78348	51.241	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.480%			
Target Compounds						Qvalue
20) Methylene Chloride	4.716	84	9952	7.176	ug/l	89

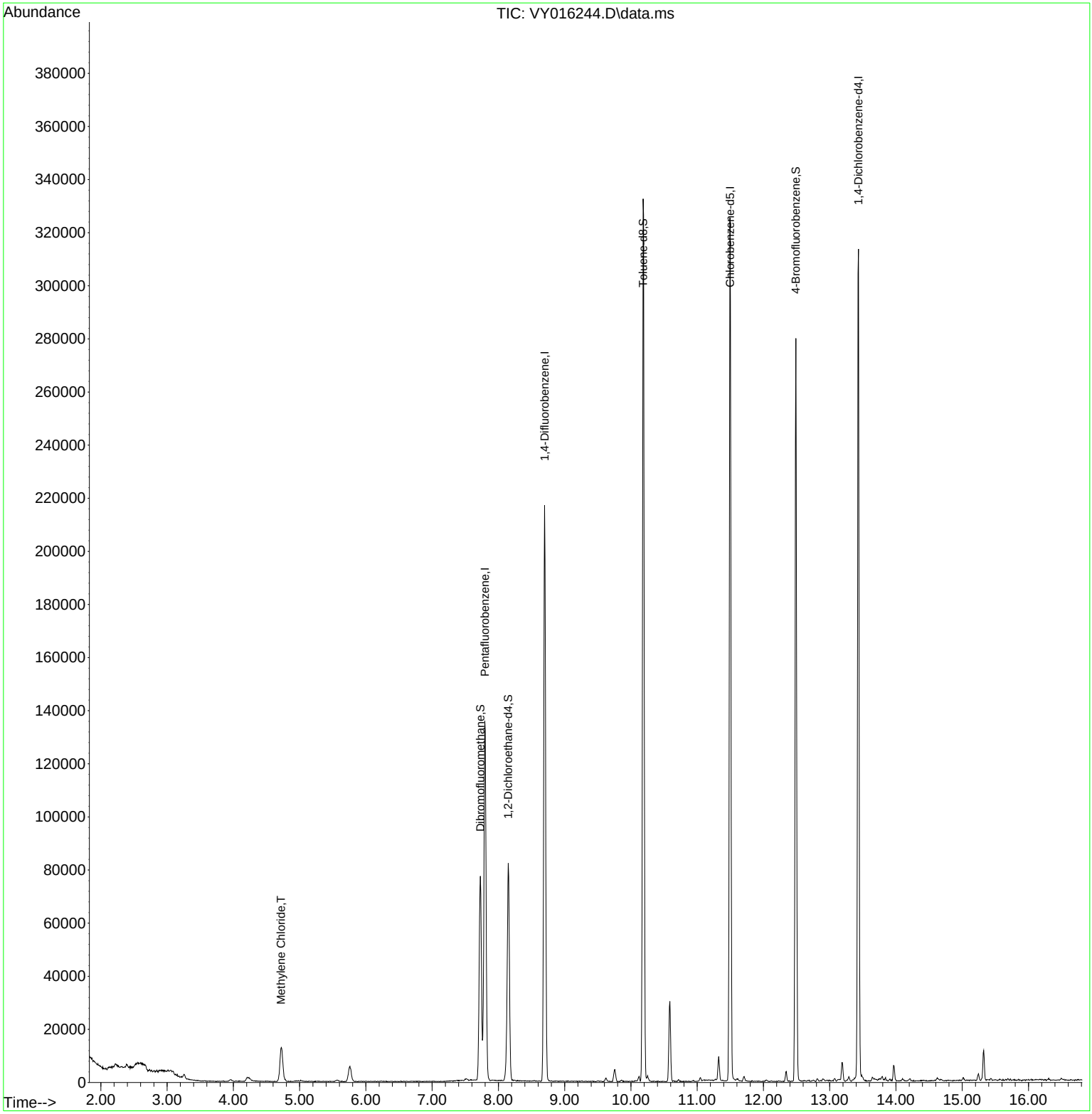
(#) = qualifier out of range (m) = manual integration (+) = signals summed

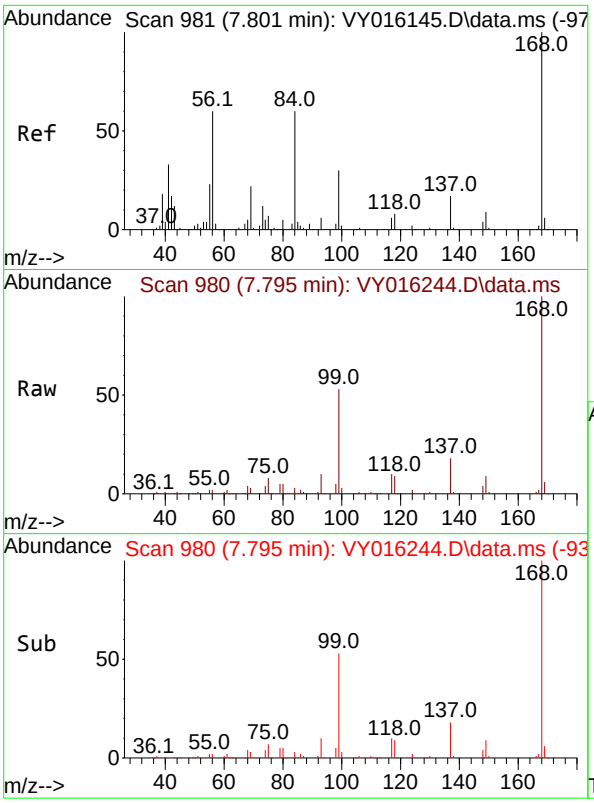
Sample Results: **VY016244.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016244.D
Acq On : 07 Nov 2023 09:31
Operator : SY/MD
Sample : VY1107SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

Quant Time: Nov 07 23:42:01 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration



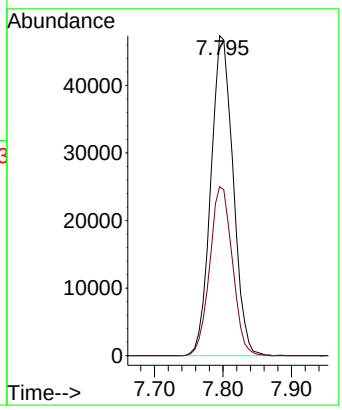


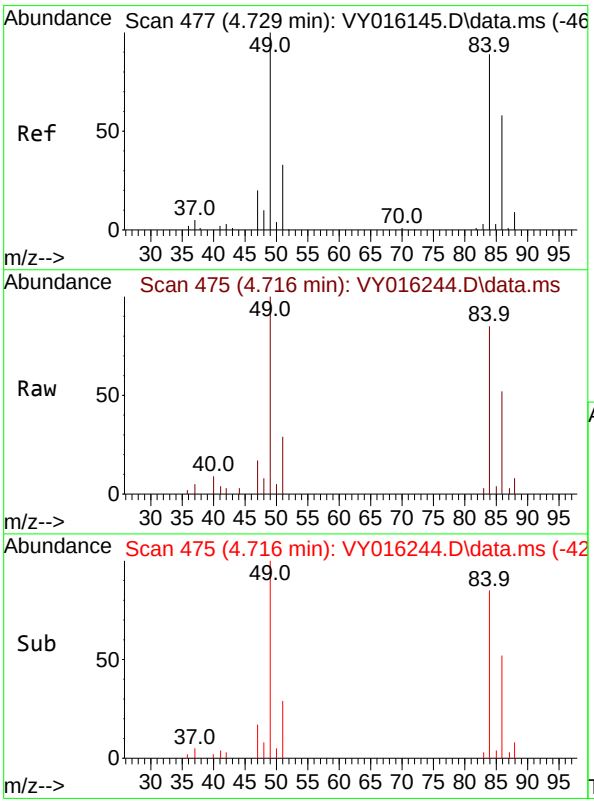
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY016244.D
Acq: 07 Nov 2023 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

Tgt Ion:168 Resp: 106864

Ion	Ratio	Lower	Upper
168	100		
99	52.8	43.4	65.0

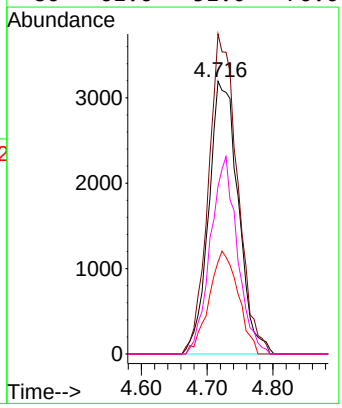


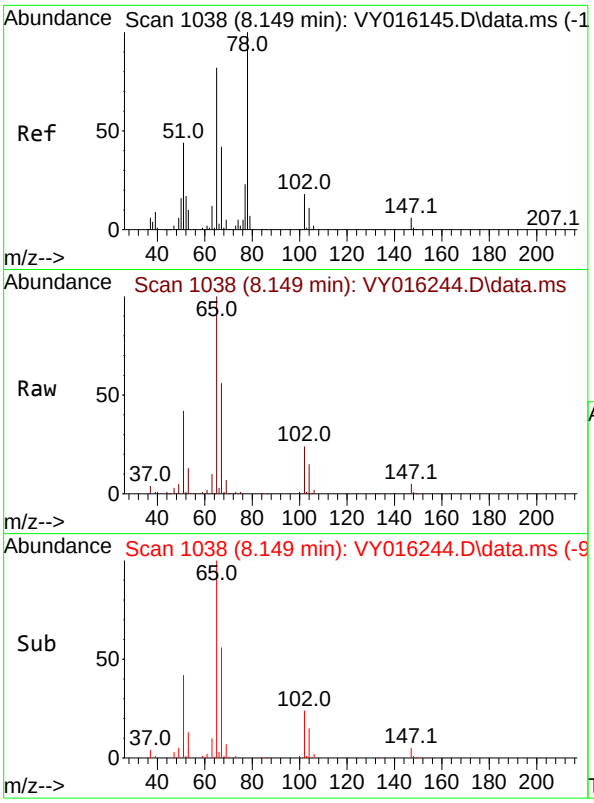


#20
Methylene Chloride
Concen: 7.176 ug/l
RT: 4.716 min Scan# 475
Delta R.T. -0.013 min
Lab File: VY016244.D
Acq: 07 Nov 2023 09:31

Tgt Ion: 84 Resp: 9952

Ion	Ratio	Lower	Upper
84	100		
49	117.4	106.9	160.3
51	33.7	33.2	49.8
86	61.6	51.0	76.6



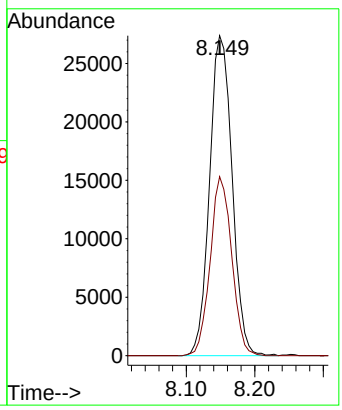


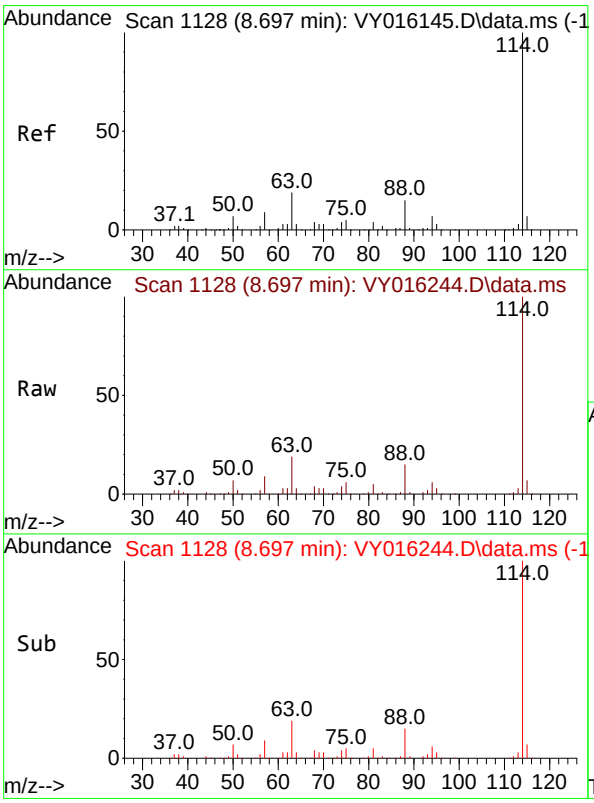
#33
1,2-Dichloroethane-d4
Concen: 62.383 ug/l
RT: 8.149 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY016244.D
Acq: 07 Nov 2023 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

Tgt Ion: 65 Resp: 62381

Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	101.8

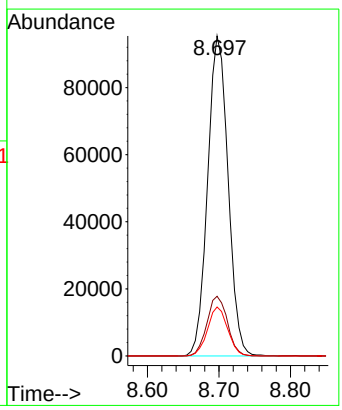


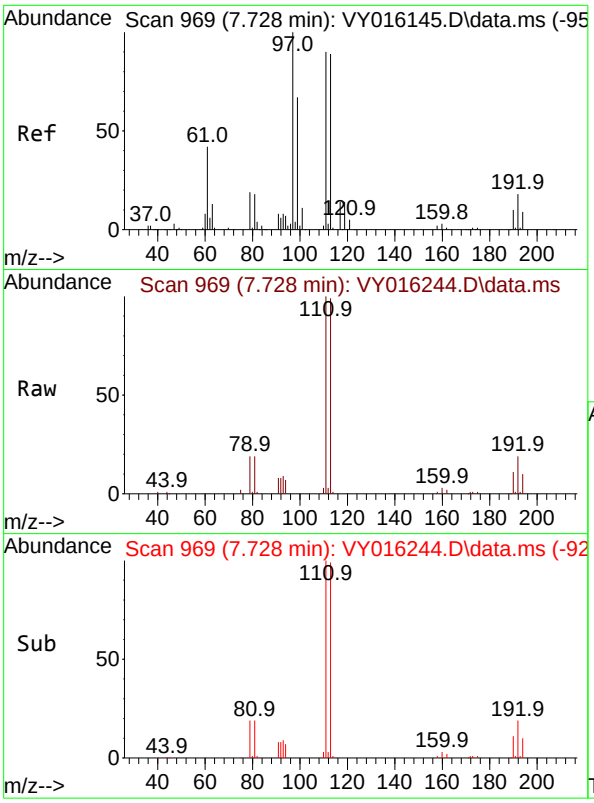


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY016244.D
Acq: 07 Nov 2023 09:31

Tgt Ion:114 Resp: 189173

Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	42.4
88	15.3	0.0	30.6



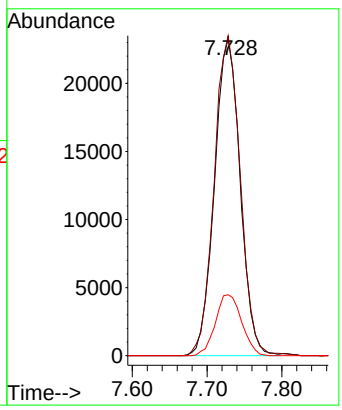


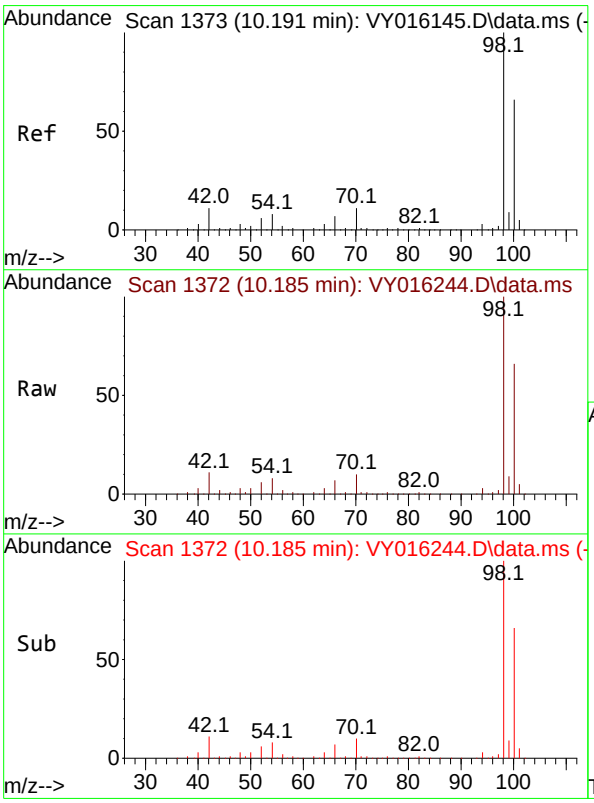
#35
Dibromofluoromethane
Concen: 49.189 ug/l
RT: 7.728 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY016244.D
Acq: 07 Nov 2023 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

Tgt Ion:113 Resp: 55475

Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.3	121.9
192	19.7	16.9	25.3

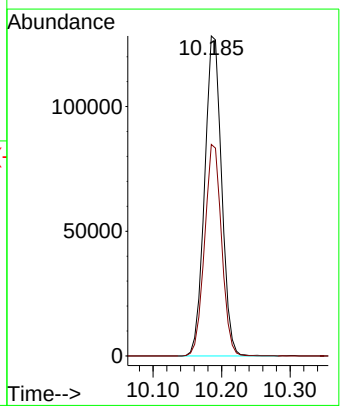


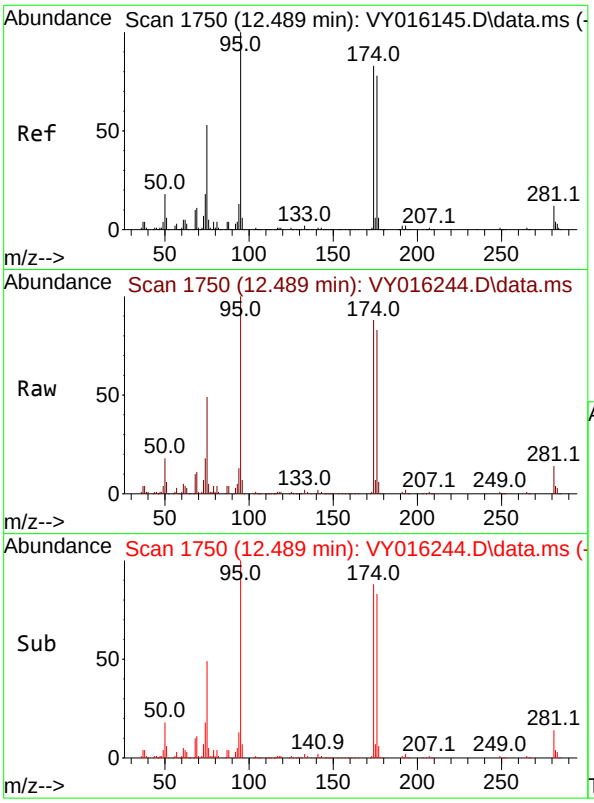


#50
Toluene-d8
Concen: 49.571 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.006 min
Lab File: VY016244.D
Acq: 07 Nov 2023 09:31

Tgt Ion: 98 Resp: 221655

Ion	Ratio	Lower	Upper
98	100		
100	66.0	50.1	75.1



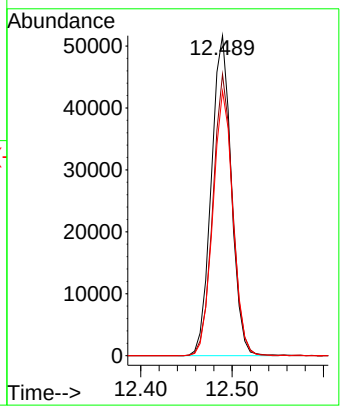


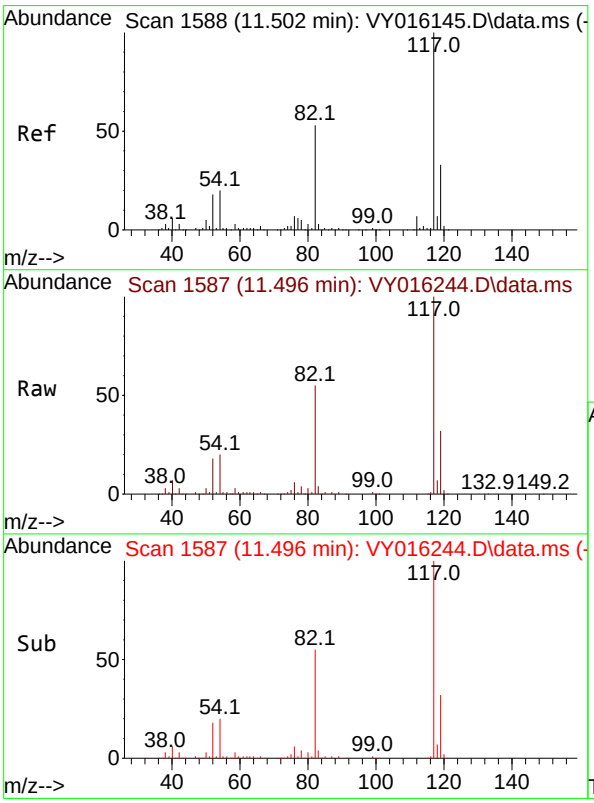
#62
4-Bromofluorobenzene
Concen: 51.241 ug/l
RT: 12.489 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY016244.D
Acq: 07 Nov 2023 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

Tgt Ion: 95 Resp: 78348

Ion	Ratio	Lower	Upper
95	100		
174	86.9	0.0	178.2
176	82.9	0.0	173.8

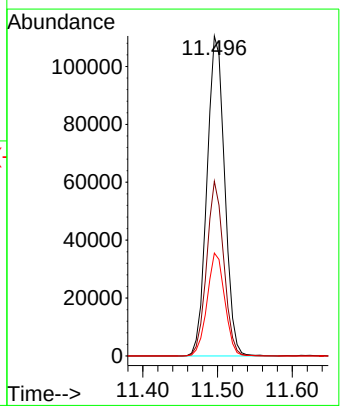


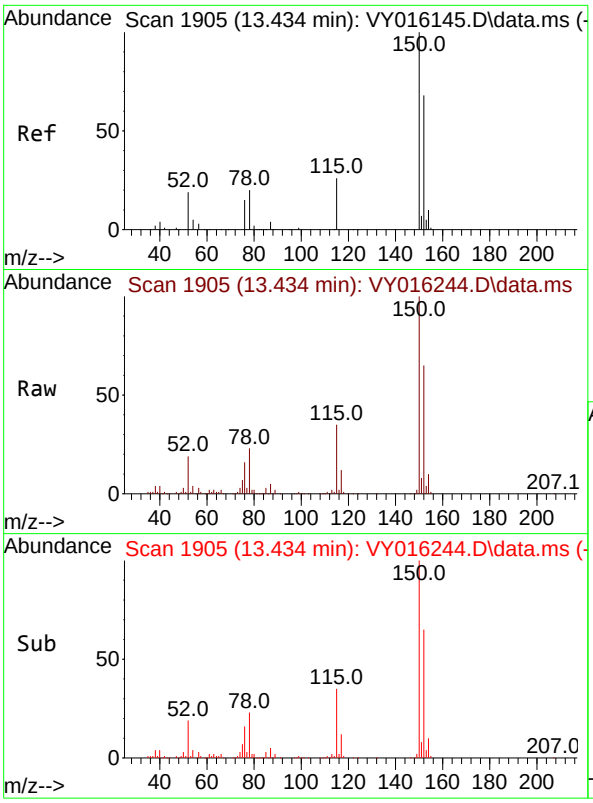


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.006 min
Lab File: VY016244.D
Acq: 07 Nov 2023 09:31

Tgt Ion:117 Resp: 181795

Ion	Ratio	Lower	Upper
117	100		
82	54.6	43.4	65.0
119	32.2	26.3	39.5



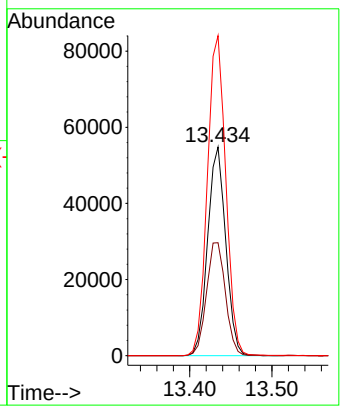


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY016244.D
Acq: 07 Nov 2023 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

Tgt Ion:152 Resp: 83712

Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.8	86.5
150	156.4	0.0	348.8



Sample Results: **VY016244.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016244.D
Acq On : 07 Nov 2023 09:31
Operator : SY/MD
Sample : VY1107SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

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\82Y103123S.M
Title : SW846 8260

Signal : TIC: VY016244.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.723	465	476	492	rVB2	12811	40258	7.00%	1.209%
2	5.759	637	646	658	rVB3	5767	17460	3.04%	0.524%
3	7.728	960	969	974	rBV	76797	182195	31.68%	5.473%
4	7.795	974	980	993	rVB	135465	308698	53.67%	9.273%
5	8.149	1026	1038	1047	rBV2	81806	191064	33.22%	5.739%
6	8.697	1120	1128	1139	rBV	216803	423866	73.70%	12.733%
7	9.758	1296	1302	1308	rVB2	4568	9375	1.63%	0.282%
8	10.185	1365	1372	1380	rBV	332192	575150	100.00%	17.277%
9	10.587	1430	1438	1445	rBV	30217	55058	9.57%	1.654%
10	11.325	1553	1559	1567	rVB2	9072	14672	2.55%	0.441%
11	11.496	1580	1587	1601	rVB	324914	528277	91.85%	15.869%
12	12.343	1720	1726	1731	rBV4	3837	6027	1.05%	0.181%
13	12.489	1743	1750	1763	rVB2	279692	444017	77.20%	13.338%
14	13.190	1860	1865	1872	rVB3	7107	12525	2.18%	0.376%
15	13.434	1896	1905	1912	rBV	312331	492046	85.55%	14.781%
16	13.965	1988	1992	1999	rVB2	5927	9844	1.71%	0.296%
17	15.324	2208	2215	2221	rVB	11278	18476	3.21%	0.555%

Sum of corrected areas: 3329008

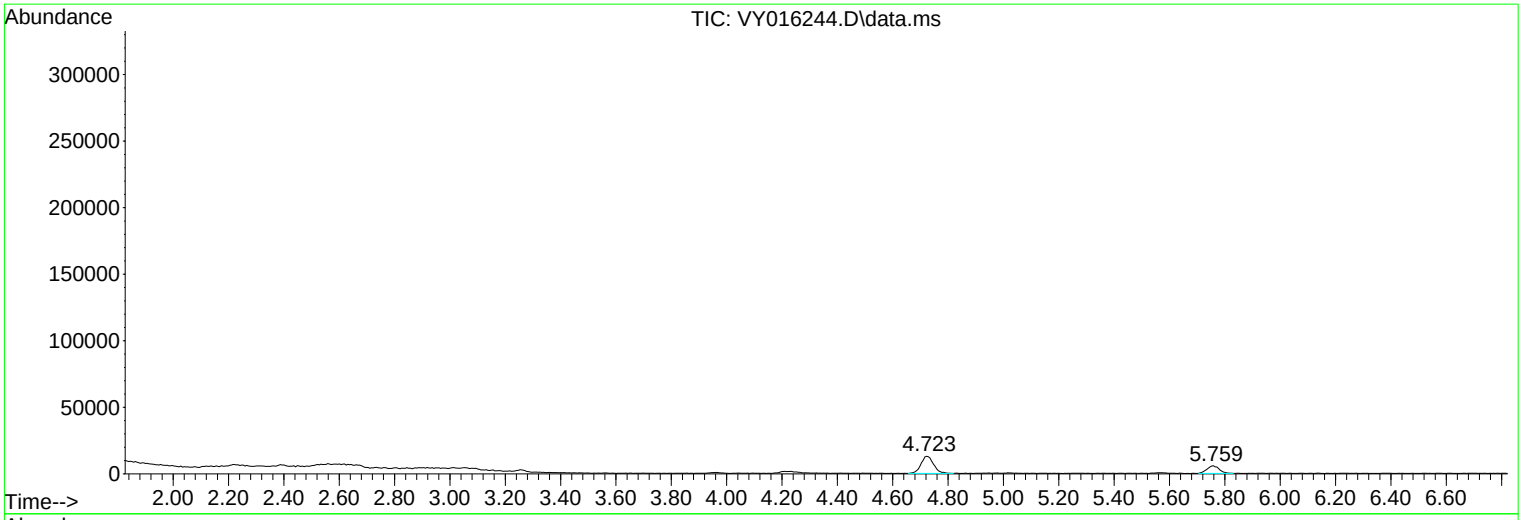
Sample Results: **VY016244.D**

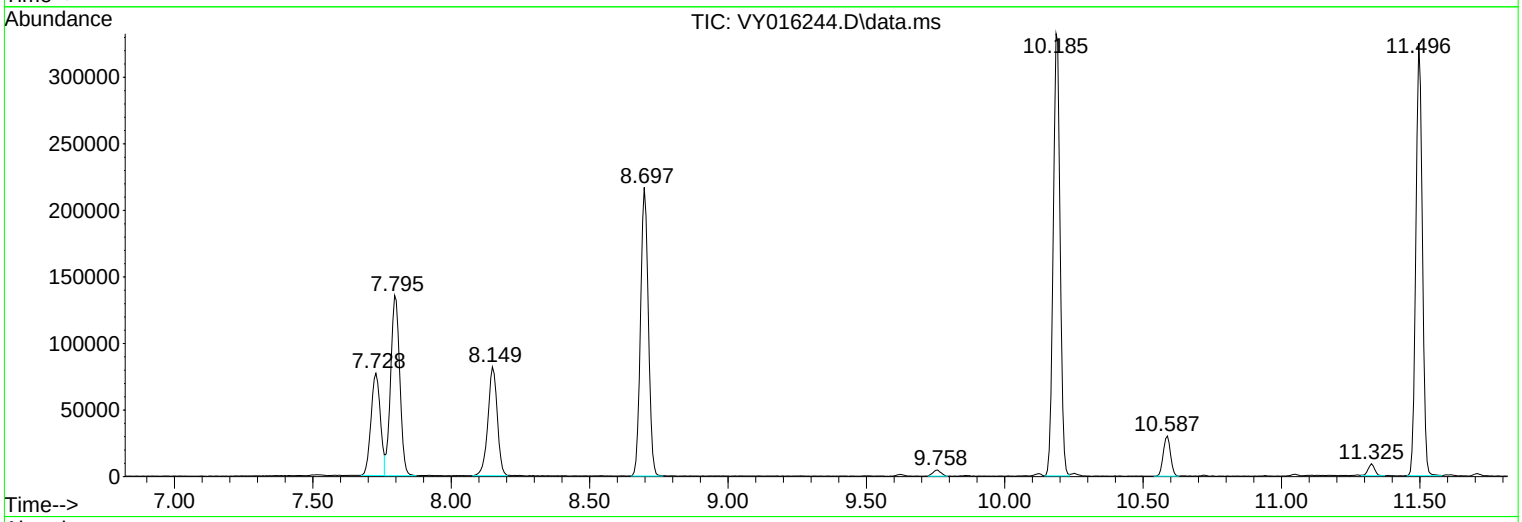
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016244.D
Acq On : 07 Nov 2023 09:31
Operator : SY/MD
Sample : VY1107SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

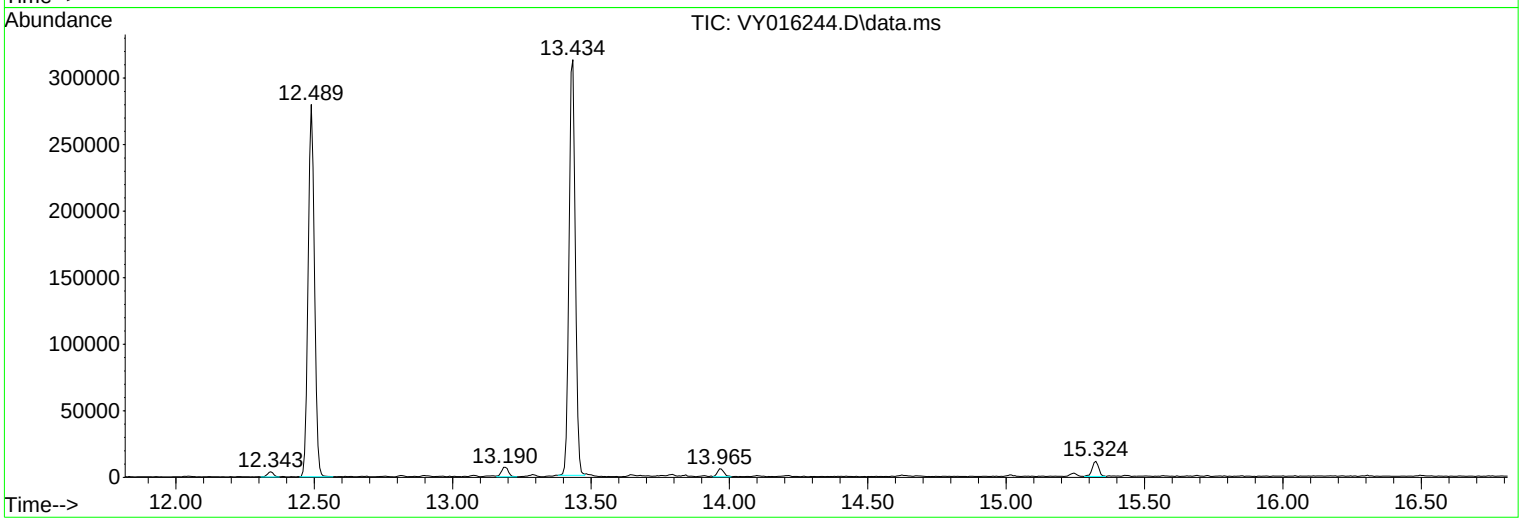
Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016244.D
Acq On : 07 Nov 2023 09:31
Operator : SY/MD
Sample : VY1107SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.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\VY110723\
Data File : VY016244.D
Acq On : 07 Nov 2023 09:31
Operator : SY/MD
Sample : VY1107SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.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\VY110723\
Data File : VY016245.D
Acq On : 07 Nov 2023 10:08
Operator : SY/MD
Sample : VY1107SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 07 23:42:23 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/08/2023
Supervised By :Mahesh Dadoda 11/08/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.795	168	169940	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	275085	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	237625	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	111499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	83244	52.349	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.700%			
35) Dibromofluoromethane	7.722	113	82365	50.223	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.440%			
50) Toluene-d8	10.185	98	325208	50.015	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.040%			
62) 4-Bromofluorobenzene	12.489	95	107641	48.413	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	19426	17.920	ug/l	99
3) Chloromethane	2.113	50	23839	15.883	ug/l	96
4) Vinyl Chloride	2.253	62	26994	17.426	ug/l	94
5) Bromomethane	2.644	94	18074	17.289	ug/l	99
6) Chloroethane	2.796	64	19367	17.758	ug/l	99
7) Trichlorofluoromethane	3.131	101	46866	20.040	ug/l	99
8) Diethyl Ether	3.534	74	16381	21.134	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.906	101	30653	20.806	ug/l	95
10) Methyl Iodide	4.095	142	28035	17.113	ug/l	97
11) Tert butyl alcohol	4.960	59	14240	119.855	ug/l #	82
12) 1,1-Dichloroethene	3.875	96	26051	19.373	ug/l	88
13) Acrolein	3.735	56	12325	108.136	ug/l	99
14) Allyl chloride	4.485	41	39704	20.642	ug/l #	94
15) Acrylonitrile	5.162	53	37020	111.772	ug/l	99
16) Acetone	3.948	43	27523	96.728	ug/l	98
17) Carbon Disulfide	4.198	76	50792	15.129	ug/l	98
18) Methyl Acetate	4.479	43	28115	21.985	ug/l #	89
19) Methyl tert-butyl Ether	5.235	73	81342	21.266	ug/l	98
20) Methylene Chloride	4.723	84	35358	20.036	ug/l	89
21) trans-1,2-Dichloroethene	5.229	96	29741	18.988	ug/l	92
22) Diisopropyl ether	6.125	45	99764	21.444	ug/l	89
23) Vinyl Acetate	6.064	43	242641	106.228	ug/l #	94
24) 1,1-Dichloroethane	6.021	63	58358	20.960	ug/l	98
25) 2-Butanone	6.990	43	47585	108.464	ug/l	90
26) 2,2-Dichloropropane	6.990	77	53557	20.348	ug/l	96
27) cis-1,2-Dichloroethene	6.990	96	37539	20.365	ug/l	94
28) Bromochloromethane	7.338	49	20405	19.584	ug/l	87
29) Tetrahydrofuran	7.356	42	30593	111.242	ug/l	88
30) Chloroform	7.509	83	64563	21.299	ug/l	100
31) Cyclohexane	7.789	56	44409	18.167	ug/l #	80
32) 1,1,1-Trichloroethane	7.710	97	56312	20.256	ug/l	97
36) 1,1-Dichloropropene	7.923	75	44486	18.785	ug/l	99
37) Ethyl Acetate	7.082	43	22806	21.622	ug/l #	96
38) Carbon Tetrachloride	7.905	117	49996	21.310	ug/l	98
39) Methylcyclohexane	9.191	83	51146	18.094	ug/l	93
40) Benzene	8.167	78	130087	19.134	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016245.D
Acq On : 07 Nov 2023 10:08
Operator : SY/MD
Sample : VY1107SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 07 23:42:23 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/08/2023
Supervised By :Mahesh Dadoda 11/08/2023

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.320	41	13441	21.954 ug/l #	86
42) 1,2-Dichloroethane	8.240	62	37614	19.825 ug/l	94
43) Isopropyl Acetate	8.277	43	44322	21.244 ug/l #	93
44) Trichloroethene	8.947	130	37988	19.094 ug/l	97
45) 1,2-Dichloropropane	9.222	63	34340	20.997 ug/l	96
46) Dibromomethane	9.307	93	18983	20.461 ug/l	96
47) Bromodichloromethane	9.502	83	49460	20.982 ug/l	96
48) Methyl methacrylate	9.301	41	18862	19.882 ug/l #	86
49) 1,4-Dioxane	9.307	88	4841	364.880 ug/l #	67
51) 4-Methyl-2-Pentanone	10.075	43	114176	109.677 ug/l	91
52) Toluene	10.252	92	85533	19.415 ug/l	94
53) t-1,3-Dichloropropene	10.472	75	48282	20.518 ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	55985	20.275 ug/l	90
55) 1,1,2-Trichloroethane	10.648	97	27848	21.339 ug/l	98
56) Ethyl methacrylate	10.514	69	34963	20.629 ug/l #	86
57) 1,3-Dichloropropane	10.795	76	46336	20.856 ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	87916	106.974 ug/l	94
59) 2-Hexanone	10.837	43	80200	112.424 ug/l	91
60) Dibromochloromethane	10.990	129	34243	20.915 ug/l	99
61) 1,2-Dibromoethane	11.093	107	25705	20.708 ug/l	97
64) Tetrachloroethene	10.728	164	38821	18.367 ug/l	95
65) Chlorobenzene	11.520	112	94284	19.971 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	36188	20.695 ug/l	96
67) Ethyl Benzene	11.599	91	166149	19.676 ug/l	98
68) m/p-Xylenes	11.709	106	127656	39.123 ug/l	94
69) o-Xylene	12.038	106	60698	19.483 ug/l	97
70) Styrene	12.051	104	101835	19.663 ug/l	96
71) Bromoform	12.215	173	20865	21.509 ug/l #	100
73) Isopropylbenzene	12.337	105	167894	20.074 ug/l	99
74) N-amyl acetate	12.148	43	37343	20.546 ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.587	83	30023	22.559 ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	20189m	19.228 ug/l	
77) Bromobenzene	12.618	156	38382	20.267 ug/l	96
78) n-propylbenzene	12.678	91	200334	20.260 ug/l	99
79) 2-Chlorotoluene	12.764	91	110459	20.028 ug/l	98
80) 1,3,5-Trimethylbenzene	12.819	105	134785	19.891 ug/l	97
81) trans-1,4-Dichloro-2-b...	12.386	75	10228	21.121 ug/l	94
82) 4-Chlorotoluene	12.861	91	112298	19.829 ug/l	98
83) tert-Butylbenzene	13.081	119	124687	20.565 ug/l	97
84) 1,2,4-Trimethylbenzene	13.130	105	132229	19.721 ug/l	98
85) sec-Butylbenzene	13.264	105	182828	20.545 ug/l	99
86) p-Isopropyltoluene	13.380	119	150141	20.357 ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	76194	20.343 ug/l	98
88) 1,4-Dichlorobenzene	13.453	146	73225	19.780 ug/l	99
89) n-Butylbenzene	13.703	91	137710	20.321 ug/l	97
90) Hexachloroethane	13.971	117	28630	22.526 ug/l	90
91) 1,2-Dichlorobenzene	13.745	146	65751	20.318 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4766	20.010 ug/l	97
93) 1,2,4-Trichlorobenzene	15.020	180	37508	18.778 ug/l	99
94) Hexachlorobutadiene	15.123	225	22586	20.693 ug/l	97
95) Naphthalene	15.245	128	68341	17.612 ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	31226	18.301 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016245.D
Acq On : 07 Nov 2023 10:08
Operator : SY/MD
Sample : VY1107SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 07 23:42:23 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/08/2023
Supervised By :Mahesh Dadoda 11/08/2023

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

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

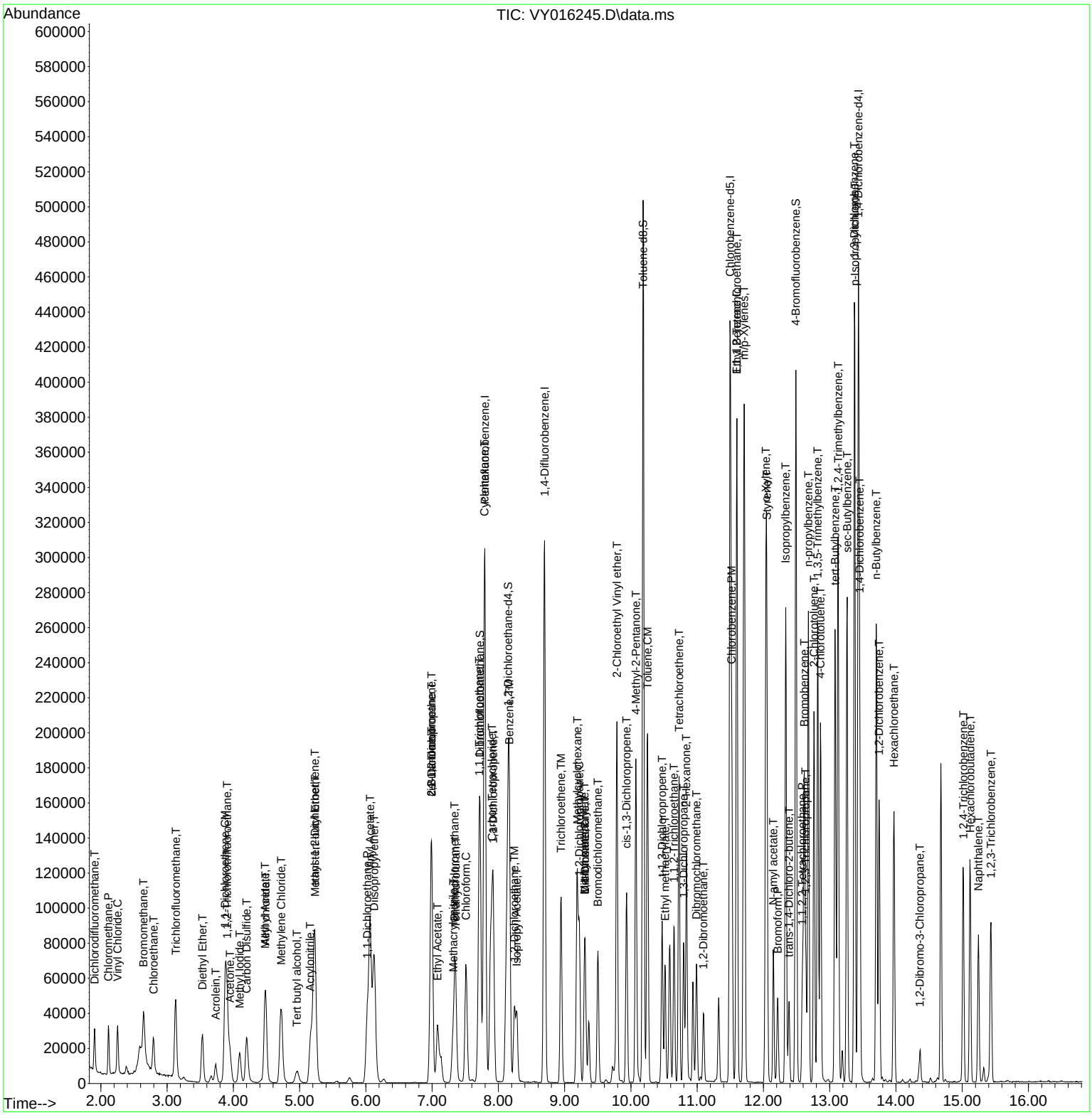
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016245.D
Acq On : 07 Nov 2023 10:08
Operator : SY/MD
Sample : VY1107SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
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Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/08/2023
Supervised By :Mahesh Dadoda 11/08/2023



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016246.D
Acq On : 07 Nov 2023 10:31
Operator : SY/MD
Sample : VY1107SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 07 23:43:15 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/08/2023
Supervised By :Mahesh Dadoda 11/08/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.795	168	160601	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	263538	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	230283	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	109001	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	80176	53.351	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.700%			
35) Dibromofluoromethane	7.728	113	78919	50.231	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.460%			
50) Toluene-d8	10.185	98	316507	50.810	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.620%			
62) 4-Bromofluorobenzene	12.483	95	106755	50.118	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.240%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	18351	17.913	ug/l	89
3) Chloromethane	2.119	50	23636	16.664	ug/l	98
4) Vinyl Chloride	2.253	62	27166	18.557	ug/l	96
5) Bromomethane	2.650	94	18458	18.683	ug/l	97
6) Chloroethane	2.796	64	19383	18.807	ug/l	100
7) Trichlorofluoromethane	3.131	101	46494	21.037	ug/l	97
8) Diethyl Ether	3.534	74	15679	21.405	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.906	101	29250	21.008	ug/l	96
10) Methyl Iodide	4.095	142	28775	18.586	ug/l	95
11) Tert butyl alcohol	4.960	59	12725	113.331	ug/l #	78
12) 1,1-Dichloroethene	3.881	96	25157	19.796	ug/l	91
13) Acrolein	3.741	56	12281	114.488	ug/l	99
14) Allyl chloride	4.485	41	39531	21.748	ug/l #	94
15) Acrylonitrile	5.174	53	36151	115.495	ug/l	96
16) Acetone	3.954	43	25754	95.571	ug/l	94
17) Carbon Disulfide	4.204	76	49880	15.722	ug/l	99
18) Methyl Acetate	4.479	43	26911	22.267	ug/l	91
19) Methyl tert-butyl Ether	5.235	73	79471	21.985	ug/l	99
20) Methylene Chloride	4.729	84	35432	21.441	ug/l	88
21) trans-1,2-Dichloroethene	5.228	96	29486	19.919	ug/l	95
22) Diisopropyl ether	6.125	45	97630	22.206	ug/l	92
23) Vinyl Acetate	6.070	43	235986	109.322	ug/l #	93
24) 1,1-Dichloroethane	6.027	63	57056	21.684	ug/l	98
25) 2-Butanone	6.990	43	45782	110.423	ug/l #	88
26) 2,2-Dichloropropane	6.990	77	51887	20.860	ug/l	95
27) cis-1,2-Dichloroethene	6.996	96	37654	21.615	ug/l	91
28) Bromochloromethane	7.344	49	20917	21.243	ug/l	89
29) Tetrahydrofuran	7.356	42	29840	114.814	ug/l	90
30) Chloroform	7.515	83	62243	21.727	ug/l	99
31) Cyclohexane	7.795	56	43050	18.635	ug/l #	86
32) 1,1,1-Trichloroethane	7.710	97	55212	21.015	ug/l	98
36) 1,1-Dichloropropene	7.923	75	43928	19.363	ug/l	100
37) Ethyl Acetate	7.082	43	21771	21.545	ug/l	96
38) Carbon Tetrachloride	7.911	117	47928	21.324	ug/l	98
39) Methylcyclohexane	9.191	83	48598	17.946	ug/l	92
40) Benzene	8.167	78	129431	19.872	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016246.D
Acq On : 07 Nov 2023 10:31
Operator : SY/MD
Sample : VY1107SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 07 23:43:15 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/08/2023
Supervised By :Mahesh Dadoda 11/08/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.313	41	11857m	20.215	ug/l		
42) 1,2-Dichloroethane	8.246	62	36910	20.307	ug/l		94
43) Isopropyl Acetate	8.277	43	43164	21.595	ug/l	#	92
44) Trichloroethene	8.947	130	37388	19.616	ug/l		96
45) 1,2-Dichloropropane	9.222	63	33192	21.184	ug/l		94
46) Dibromomethane	9.313	93	18567	20.889	ug/l		96
47) Bromodichloromethane	9.502	83	48602	21.522	ug/l		99
48) Methyl methacrylate	9.301	41	17817	19.603	ug/l	#	87
49) 1,4-Dioxane	9.307	88	4273	325.850	ug/l	#	58
51) 4-Methyl-2-Pentanone	10.075	43	111058	111.356	ug/l		91
52) Toluene	10.246	92	84155	19.939	ug/l		95
53) t-1,3-Dichloropropene	10.471	75	47216	20.944	ug/l		98
54) cis-1,3-Dichloropropene	9.935	75	55374	20.933	ug/l		89
55) 1,1,2-Trichloroethane	10.648	97	26629	21.299	ug/l		96
56) Ethyl methacrylate	10.514	69	34744	21.398	ug/l	#	85
57) 1,3-Dichloropropane	10.795	76	44583	20.946	ug/l		97
58) 2-Chloroethyl Vinyl ether	9.789	63	85213	108.228	ug/l		92
59) 2-Hexanone	10.837	43	77155	112.894	ug/l		90
60) Dibromochloromethane	10.990	129	33935	21.635	ug/l		99
61) 1,2-Dibromoethane	11.093	107	24732	20.797	ug/l		98
64) Tetrachloroethene	10.727	164	38162	18.631	ug/l		98
65) Chlorobenzene	11.520	112	92316	20.178	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.593	131	35873	21.169	ug/l		97
67) Ethyl Benzene	11.599	91	164828	20.142	ug/l		99
68) m/p-Xylenes	11.709	106	125647	39.735	ug/l		95
69) o-Xylene	12.032	106	61012	20.208	ug/l		95
70) Styrene	12.050	104	100614	20.046	ug/l		97
71) Bromoform	12.215	173	20044	21.321	ug/l	#	100
73) Isopropylbenzene	12.331	105	166123	20.317	ug/l		99
74) N-amyl acetate	12.148	43	37203	20.938	ug/l	#	89
75) 1,1,2,2-Tetrachloroethane	12.587	83	29087	22.356	ug/l		99
76) 1,2,3-Trichloropropane	12.636	75	21169m	20.623	ug/l		
77) Bromobenzene	12.611	156	38076	20.566	ug/l		95
78) n-propylbenzene	12.672	91	199023	20.588	ug/l		100
79) 2-Chlorotoluene	12.758	91	110412	20.479	ug/l		99
80) 1,3,5-Trimethylbenzene	12.819	105	134131	20.248	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.380	75	9914	20.941	ug/l		94
82) 4-Chlorotoluene	12.855	91	113660	20.530	ug/l		99
83) tert-Butylbenzene	13.081	119	123548	20.844	ug/l		97
84) 1,2,4-Trimethylbenzene	13.123	105	132704	20.245	ug/l		98
85) sec-Butylbenzene	13.258	105	181850	20.904	ug/l		100
86) p-Isopropyltoluene	13.373	119	146572	20.329	ug/l		98
87) 1,3-Dichlorobenzene	13.367	146	76357	20.853	ug/l		100
88) 1,4-Dichlorobenzene	13.447	146	75781	20.940	ug/l		99
89) n-Butylbenzene	13.696	91	139116	20.999	ug/l		96
90) Hexachloroethane	13.965	117	28101	22.617	ug/l		89
91) 1,2-Dichlorobenzene	13.745	146	66985	21.173	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4953	21.271	ug/l		98
93) 1,2,4-Trichlorobenzene	15.013	180	40611	20.798	ug/l		99
94) Hexachlorobutadiene	15.111	225	23548	22.069	ug/l		99
95) Naphthalene	15.239	128	75458	19.892	ug/l		99
96) 1,2,3-Trichlorobenzene	15.428	180	34352	20.594	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016246.D
Acq On : 07 Nov 2023 10:31
Operator : SY/MD
Sample : VY1107SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 07 23:43:15 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/08/2023
Supervised By :Mahesh Dadoda 11/08/2023

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

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

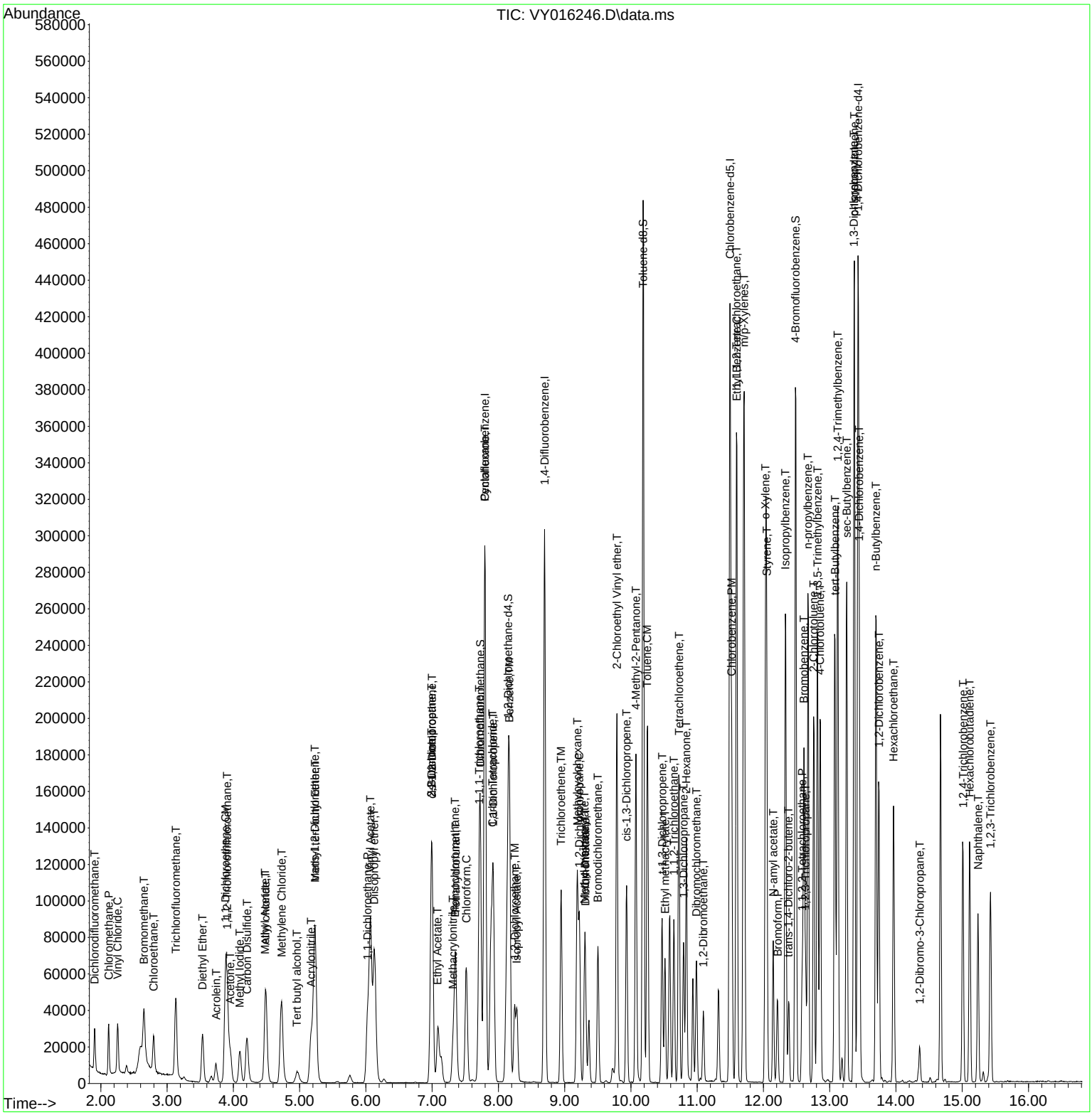
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Data File : VY016246.D
Acq On : 07 Nov 2023 10:31
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Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/08/2023
Supervised By :Mahesh Dadoda 11/08/2023



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

Manual Integration Report

Sequence:	vy103123	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY016142.D	1,2,3-Trichloropropane	JOHN	11/1/2023 10:03:56 AM	MMDadoda	11/1/2023 4:44:48 PM	Peak Integrated by Software
VSTDICC010	VY016143.D	1,2,3-Trichloropropane	JOHN	11/1/2023 10:04:03 AM	MMDadoda	11/1/2023 4:44:50 PM	Peak Integrated by Software
VSTDICC020	VY016144.D	1,2,3-Trichloropropane	JOHN	11/1/2023 10:04:08 AM	MMDadoda	11/1/2023 4:44:51 PM	Peak Integrated by Software
VSTDICCC050	VY016145.D	1,2,3-Trichloropropane	JOHN	11/1/2023 10:04:14 AM	MMDadoda	11/1/2023 4:44:53 PM	Peak Integrated by Software
VSTDICC100	VY016146.D	1,2,3-Trichloropropane	JOHN	11/1/2023 10:04:21 AM	MMDadoda	11/1/2023 4:44:54 PM	Peak Integrated by Software
VSTDICC150	VY016147.D	1,2,3-Trichloropropane	JOHN	11/1/2023 10:04:28 AM	MMDadoda	11/1/2023 4:44:55 PM	Peak Integrated by Software
VSTDICV050	VY016148.D	1,2,3-Trichloropropane	JOHN	11/1/2023 10:04:34 AM	MMDadoda	11/1/2023 4:44:57 PM	Peak Integrated by Software
VSTDCCC050	VY016156.D	1,2,3-Trichloropropane	JOHN	11/1/2023 10:05:06 AM	MMDadoda	11/1/2023 4:45:05 PM	Peak Integrated by Software
VSTDCCC050	VY016156.D	Methacrylonitrile	JOHN	11/1/2023 10:05:06 AM	MMDadoda	11/1/2023 4:45:05 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VY110723	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY016243.D	1,2,3-Trichloropropane	JOHN	11/8/2023 11:47:33 AM	MMDadoda	11/8/2023 3:22:09 PM	Peak Integrated by Software
VY1107SBS01	VY016245.D	1,2,3-Trichloropropane	JOHN	11/8/2023 11:47:40 AM	MMDadoda	11/8/2023 3:22:11 PM	Peak Integrated by Software
VY1107SBSD01	VY016246.D	1,2,3-Trichloropropane	JOHN	11/8/2023 11:47:45 AM	MMDadoda	11/8/2023 3:22:13 PM	Peak Integrated by Software
VY1107SBSD01	VY016246.D	Methacrylonitrile	JOHN	11/8/2023 11:47:45 AM	MMDadoda	11/8/2023 3:22:13 PM	Peak Integrated by Software
VSTDCCC050	VY016251.D	1,2,3-Trichloropropane	JOHN	11/8/2023 11:47:51 AM	MMDadoda	11/8/2023 3:22:14 PM	Peak Integrated by Software

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY103123

Review By	John Carlone	Review On	11/1/2023 10:05:25 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/1/2023 4:45:21 PM		
SubDirectory	VY103123	HP Acquire Method		HP Processing Method	82y103123s.m

STD. NAME	STD REF.#
Tune/Reschk	VP123921
Initial Calibration Stds	VP123922,VP123923,VP123924,VP123925,VP123926,VP123927
CCC	VP123940,VP123941,LOD-VP123954,VP123955
Internal Standard/PEM	VP123883
ICV/I.BLK	VP123930
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY016140.D	31 Oct 2023 08:42	SY/MD	Ok
2	VSTDCCC050	VY016141.D	31 Oct 2023 09:54	SY/MD	Not Ok
3	VSTDICC005	VY016142.D	31 Oct 2023 12:26	SY/MD	Ok,M
4	VSTDICC010	VY016143.D	31 Oct 2023 12:49	SY/MD	Ok,M
5	VSTDICC020	VY016144.D	31 Oct 2023 13:12	SY/MD	Ok,M
6	VSTDICCC050	VY016145.D	31 Oct 2023 13:37	SY/MD	Ok,M
7	VSTDICC100	VY016146.D	31 Oct 2023 14:13	SY/MD	Ok,M
8	VSTDICC150	VY016147.D	31 Oct 2023 14:40	SY/MD	Ok,M
9	VSTDICV050	VY016148.D	31 Oct 2023 15:03	SY/MD	Ok,M
10	VY1031SBL01	VY016149.D	31 Oct 2023 16:28	SY/MD	Ok
11	VY1031SBS01	VY016150.D	31 Oct 2023 16:51	SY/MD	Ok,M
12	VY1031SBSD01	VY016151.D	31 Oct 2023 17:13	SY/MD	Ok,M
13	O4699-01 2.5PPB	VY016152.D	31 Oct 2023 17:36	SY/MD	Ok,M
14	O4699-01 4.0PPB	VY016153.D	31 Oct 2023 17:59	SY/MD	Ok,M
15	O5136-01	VY016154.D	31 Oct 2023 18:23	SY/MD	Ok
16	O5107-23	VY016155.D	31 Oct 2023 18:47	SY/MD	Ok
17	VSTDCCC050	VY016156.D	31 Oct 2023 19:32	SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY110723

Review By	John Carlone	Review On	11/8/2023 11:48:05 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/8/2023 3:22:06 PM		
SubDirectory	VY110723	HP Acquire Method	MSVOA_Y	HP Processing Method	82y103123s.m

STD. NAME	STD REF.#
Tune/Reschk	VP124090
Initial Calibration Stds	
CCC	VP124091,VP124092
Internal Standard/PEM	VP123883
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY016242.D	07 Nov 2023 08:03	SY/MD	Ok
2	VSTDCCC050	VY016243.D	07 Nov 2023 08:35	SY/MD	Ok,M
3	VY1107SBL01	VY016244.D	07 Nov 2023 09:31	SY/MD	Ok
4	VY1107SBS01	VY016245.D	07 Nov 2023 10:08	SY/MD	Ok,M
5	VY1107SBSD01	VY016246.D	07 Nov 2023 10:31	SY/MD	Ok,M
6	O5252-03	VY016247.D	07 Nov 2023 11:34	SY/MD	Ok
7	BLK	VY016248.D	07 Nov 2023 12:45	SY/MD	Ok
8	O5292-03	VY016249.D	07 Nov 2023 16:41	SY/MD	ReRun
9	O5291-03	VY016250.D	07 Nov 2023 17:04	SY/MD	Ok
10	VSTDCCC050	VY016251.D	07 Nov 2023 17:27	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY103123

Review By	John Carlone	Review On	11/1/2023 10:05:25 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/1/2023 4:45:21 PM		
SubDirectory	VY103123	HP Acquire Method		HP Processing Method	82y103123s.m

STD. NAME	STD REF.#
Tune/Reschk	VP123921
Initial Calibration Stds	VP123922,VP123923,VP123924,VP123925,VP123926,VP123927
CCC	VP123940,VP123941,LOD-VP123954,VP123955
Internal Standard/PEM	VP123883
ICV/I.BLK	VP123930
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY016140.D	31 Oct 2023 08:42		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY016141.D	31 Oct 2023 09:54		SY/MD	Not Ok
3	VSTDICC005	VSTDICC005	VY016142.D	31 Oct 2023 12:26	Good for DOD	SY/MD	Ok,M
4	VSTDICC010	VSTDICC010	VY016143.D	31 Oct 2023 12:49	LR- 13, 16, 20, 49	SY/MD	Ok,M
5	VSTDICC020	VSTDICC020	VY016144.D	31 Oct 2023 13:12		SY/MD	Ok,M
6	VSTDICCC050	VSTDICCC050	VY016145.D	31 Oct 2023 13:37		SY/MD	Ok,M
7	VSTDICC100	VSTDICC100	VY016146.D	31 Oct 2023 14:13		SY/MD	Ok,M
8	VSTDICC150	VSTDICC150	VY016147.D	31 Oct 2023 14:40		SY/MD	Ok,M
9	VSTDICV050	ICVVY103123	VY016148.D	31 Oct 2023 15:03		SY/MD	Ok,M
10	VY1031SBL01	VY1031SBL01	VY016149.D	31 Oct 2023 16:28		SY/MD	Ok
11	VY1031SBS01	VY1031SBS01	VY016150.D	31 Oct 2023 16:51		SY/MD	Ok,M
12	VY1031SBSD01	VY1031SBSD01	VY016151.D	31 Oct 2023 17:13		SY/MD	Ok,M
13	O4699-01 2.5PPB	LOD-MDL-SOIL-01-QT	VY016152.D	31 Oct 2023 17:36	LOD-2.5 ppb	SY/MD	Ok,M
14	O4699-01 4.0PPB	LOD-MDL-SOIL-01-QT	VY016153.D	31 Oct 2023 17:59	LOD-4.0 ppb	SY/MD	Ok,M
15	O5136-01	SLUDGE-COMP	VY016154.D	31 Oct 2023 18:23		SY/MD	Ok
16	O5107-23	1047	VY016155.D	31 Oct 2023 18:47		SY/MD	Ok
17	VSTDCCC050	VSTDCCC050EC	VY016156.D	31 Oct 2023 19:32		SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY110723

Review By	John Carlone	Review On	11/8/2023 11:48:05 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/8/2023 3:22:06 PM		
SubDirectory	VY110723	HP Acquire Method	MSVOA_Y	HP Processing Method	82y103123s.m

STD. NAME	STD REF.#
Tune/Reschk	VP124090
Initial Calibration Stds	
CCC	VP124091,VP124092
Internal Standard/PEM	VP123883
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY016242.D	07 Nov 2023 08:03		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY016243.D	07 Nov 2023 08:35		SY/MD	Ok,M
3	VY1107SBL01	VY1107SBL01	VY016244.D	07 Nov 2023 09:31		SY/MD	Ok
4	VY1107SBS01	VY1107SBS01	VY016245.D	07 Nov 2023 10:08		SY/MD	Ok,M
5	VY1107SBSD01	VY1107SBSD01	VY016246.D	07 Nov 2023 10:31		SY/MD	Ok,M
6	O5252-03	WASTE-VOC	VY016247.D	07 Nov 2023 11:34	Vial-B	SY/MD	Ok
7	BLK	BLK	VY016248.D	07 Nov 2023 12:45		SY/MD	Ok
8	O5292-03	CORONA	VY016249.D	07 Nov 2023 16:41	Vial-A Internal standard fail	SY/MD	ReRun
9	O5291-03	QUEEN-PLAZA	VY016250.D	07 Nov 2023 17:04	Vial-A	SY/MD	Ok
10	VSTDCCC050	VSTDCCC050EC	VY016251.D	07 Nov 2023 17:27		SY/MD	Ok,M

M : Manual Integration

CHEMTECH

284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	O5252	**OrderDate:**	11/3/2023 2:14:16 PM
Client:	RMJ Environomics, Inc.	**Project:**	245 Greenwood Ave
Contact:	Jonathan Pereira	**Location:**	I31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
O5252-03	**WASTE-VOC**	**SOIL**			**11/03/23**			**11/03/23**
			VOC-TCLVOA-10	8260D			11/07/23	

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Hit Summary Sheet
SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID : WASTE									
O5252-01	WASTE	SOIL	Bis(2-ethylhexyl)phthalate		0.690	J	0.63	0.94	mg/Kg
			Total Svoc :				**0.69**		
O5252-01	WASTE	SOIL	1,3-Benzenediamine, 2,4-dinitro-N	*	3,100.000	J	0	0	ug/Kg
O5252-01	WASTE	SOIL	1,4-Benzenedicarboxylic acid, bis	*	810.000	J	0	0	ug/Kg
O5252-01	WASTE	SOIL	7-Hydroxyquinoline, tert-butyldin	*	380.000	J	0	0	ug/Kg
O5252-01	WASTE	SOIL	Bifenthrin	*	21,900.000	J	0	0	ug/Kg
O5252-01	WASTE	SOIL	n-Hexadecanoic acid	*	970.000	J	0	0	ug/Kg
O5252-01	WASTE	SOIL	Nonadecanoic acid	*	500.000	J	0	0	ug/Kg
O5252-01	WASTE	SOIL	Phenol, 4,4-(1-methylethylidene)b	*	500.000	J	0	0	ug/Kg
O5252-01	WASTE	SOIL	Trifluralin	*	650.000	J	0	0	ug/Kg
			Total Tics :		**28,810.00**				
			Total Concentration:		**28,810.69**				

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SAMPLE DATA

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

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WASTE	SDG No.:	O5252
Lab Sample ID:	O5252-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042698.D	5	11/06/23 09:48	11/10/23 19:10	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.82	U	0.82	1.80	mg/Kg
108-95-2	Phenol	0.41	U	0.41	0.94	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.49	U	0.49	0.94	mg/Kg
95-57-8	2-Chlorophenol	0.40	U	0.40	0.94	mg/Kg
95-48-7	2-Methylphenol	0.63	U	0.63	0.94	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.58	U	0.58	0.94	mg/Kg
98-86-2	Acetophenone	0.48	U	0.48	0.94	mg/Kg
65794-96-9	3+4-Methylphenols	0.60	U	0.60	1.80	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.33	U	0.33	0.44	mg/Kg
67-72-1	Hexachloroethane	0.41	U	0.41	0.94	mg/Kg
98-95-3	Nitrobenzene	0.41	U	0.41	0.94	mg/Kg
78-59-1	Isophorone	0.38	U	0.38	0.94	mg/Kg
88-75-5	2-Nitrophenol	0.52	U	0.52	0.94	mg/Kg
105-67-9	2,4-Dimethylphenol	0.55	U	0.55	0.94	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.62	U	0.62	0.94	mg/Kg
120-83-2	2,4-Dichlorophenol	0.43	U	0.43	0.94	mg/Kg
91-20-3	Naphthalene	0.45	U	0.45	0.94	mg/Kg
106-47-8	4-Chloroaniline	0.58	UQ	0.58	0.94	mg/Kg
87-68-3	Hexachlorobutadiene	0.46	U	0.46	0.94	mg/Kg
105-60-2	Caprolactam	0.64	U	0.64	1.80	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.45	U	0.45	0.94	mg/Kg
91-57-6	2-Methylnaphthalene	0.52	U	0.52	0.94	mg/Kg
77-47-4	Hexachlorocyclopentadiene	1.20	U	1.20	1.80	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.42	U	0.42	0.94	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.48	U	0.48	0.94	mg/Kg
92-52-4	1,1-Biphenyl	0.50	U	0.50	0.94	mg/Kg
91-58-7	2-Chloronaphthalene	0.47	U	0.47	0.94	mg/Kg
88-74-4	2-Nitroaniline	0.55	U	0.55	0.94	mg/Kg
131-11-3	Dimethylphthalate	0.49	U	0.49	0.94	mg/Kg
208-96-8	Acenaphthylene	0.49	U	0.49	0.94	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.50	U	0.50	0.94	mg/Kg

Raw Data: **BM042698.D**

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WASTE	SDG No.:	O5252
Lab Sample ID:	O5252-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042698.D	5	11/06/23 09:48	11/10/23 19:10	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	0.51	U	0.51	0.94	mg/Kg
83-32-9	Acenaphthene	0.44	U	0.44	0.94	mg/Kg
51-28-5	2,4-Dinitrophenol	0.99	U	0.99	1.80	mg/Kg
100-02-7	4-Nitrophenol	0.63	U	0.63	1.80	mg/Kg
132-64-9	Dibenzofuran	0.42	U	0.42	0.94	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.55	U	0.55	0.94	mg/Kg
84-66-2	Diethylphthalate	0.47	U	0.47	0.94	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.50	U	0.50	0.94	mg/Kg
86-73-7	Fluorene	0.47	U	0.47	0.94	mg/Kg
100-01-6	4-Nitroaniline	0.57	U	0.57	0.94	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.48	U	0.48	1.80	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.51	U	0.51	0.94	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.54	U	0.54	0.94	mg/Kg
118-74-1	Hexachlorobenzene	0.54	U	0.54	0.94	mg/Kg
1912-24-9	Atrazine	0.53	U	0.53	0.94	mg/Kg
87-86-5	Pentachlorophenol	0.61	U	0.61	1.80	mg/Kg
85-01-8	Phenanthrene	0.51	U	0.51	0.94	mg/Kg
120-12-7	Anthracene	0.56	U	0.56	0.94	mg/Kg
86-74-8	Carbazole	0.47	U	0.47	0.94	mg/Kg
84-74-2	Di-n-butylphthalate	0.57	U	0.57	0.94	mg/Kg
206-44-0	Fluoranthene	0.52	U	0.52	0.94	mg/Kg
129-00-0	Pyrene	0.46	U	0.46	0.94	mg/Kg
85-68-7	Butylbenzylphthalate	0.57	U	0.57	0.94	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.89	U	0.89	1.80	mg/Kg
56-55-3	Benzo(a)anthracene	0.46	U	0.46	0.94	mg/Kg
218-01-9	Chrysene	0.48	U	0.48	0.94	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.69	J	0.63	0.94	mg/Kg
117-84-0	Di-n-octyl phthalate	0.68	U	0.68	1.80	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.44	U	0.44	0.94	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.49	U	0.49	0.94	mg/Kg
50-32-8	Benzo(a)pyrene	0.52	U	0.52	0.94	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.59	U	0.59	0.94	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.53	U	0.53	0.94	mg/Kg

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WASTE	SDG No.:	O5252
Lab Sample ID:	O5252-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042698.D	5	11/06/23 09:48	11/10/23 19:10	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	0.51	U	0.51	0.94	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.49	U	0.49	0.94	mg/Kg
123-91-1	1,4-Dioxane	0.64	U	0.64	0.94	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.46	U	0.46	0.94	mg/Kg
SURROGATES						
367-12-4	2-Fluorophenol	86.3		30 (18) - 130 (112)	58%	SPK: 150
13127-88-3	Phenol-d6	81.2		30 (15) - 130 (107)	54%	SPK: 150
4165-60-0	Nitrobenzene-d5	60.6		30 (18) - 130 (107)	61%	SPK: 100
321-60-8	2-Fluorobiphenyl	62.8		30 (20) - 130 (109)	63%	SPK: 100
118-79-6	2,4,6-Tribromophenol	92.7		30 (10) - 130 (110)	62%	SPK: 150
1718-51-0	Terphenyl-d14	63.8		30 (14) - 130 (112)	64%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	62700	7.846			
1146-65-2	Naphthalene-d8	245000	10.663			
15067-26-2	Acenaphthene-d10	160000	14.504			
1517-22-2	Phenanthrene-d10	308000	17.257			
1719-03-5	Chrysene-d12	233000	21.439			
1520-96-3	Perylene-d12	261000	23.821			
TENTATIVE IDENTIFIED COMPOUNDS						
001582-09-8	Trifluralin	650	J		15.8	ug/Kg
029091-21-2	1,3-Benzenediamine, 2,4-dinitro-N3	3100	J		18.0	ug/Kg
000057-10-3	n-Hexadecanoic acid	970	J		18.1	ug/Kg
867164-58-7	7-Hydroxyquinoline, tert-butyldime	380	J		19.3	ug/Kg
000646-30-0	Nonadecanoic acid	500	J		19.4	ug/Kg
000080-05-7	Phenol, 4,4-(1-methylethylidene)b	500	J		19.7	ug/Kg
082657-04-3	Bifenthrin	21900	J		21.1	ug/Kg
006422-86-2	1,4-Benzenedicarboxylic acid, bis(	810	J		22.3	ug/Kg

Raw Data: **BM042698.D**

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

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WASTE	SDG No.:	O5252
Lab Sample ID:	O5252-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042698.D	5	11/06/23 09:48	11/10/23 19:10	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

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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QC SUMMARY

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

Surrogate Summary

SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
O5252-01	WASTE	2-Fluorophenol	150	86.3	58		30 (18)	130 (112)
		Phenol-d6	150	81.2	54		30 (15)	130 (107)
		Nitrobenzene-d5	100	60.6	61		30 (18)	130 (107)
		2-Fluorobiphenyl	100	62.8	63		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	92.7	62		30 (10)	130 (110)
		Terphenyl-d14	100	63.8	64		30 (14)	130 (112)
O5257-05MS	WC-2MS	2-Fluorophenol	150	112	74		30 (18)	130 (112)
		Phenol-d6	150	111	74		30 (15)	130 (107)
		Nitrobenzene-d5	100	86.1	86		30 (18)	130 (107)
		2-Fluorobiphenyl	100	84.6	85		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	117	78		30 (10)	130 (110)
		Terphenyl-d14	100	69.8	70		30 (14)	130 (112)
O5257-05MSD	WC-2MSD	2-Fluorophenol	150	120	80		30 (18)	130 (112)
		Phenol-d6	150	118	79		30 (15)	130 (107)
		Nitrobenzene-d5	100	90.3	90		30 (18)	130 (107)
		2-Fluorobiphenyl	100	90.4	90		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	127	85		30 (10)	130 (110)
		Terphenyl-d14	100	75.3	75		30 (14)	130 (112)
PB156921BL	PB156921BL	2-Fluorophenol	150	126	84		30 (18)	130 (112)
		Phenol-d6	150	125	84		30 (15)	130 (107)
		Nitrobenzene-d5	100	86.6	87		30 (18)	130 (107)
		2-Fluorobiphenyl	100	85.1	85		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	131	87		30 (10)	130 (110)
		Terphenyl-d14	100	84.9	85		30 (14)	130 (112)
PB156921BS	PB156921BS	2-Fluorophenol	150	127	85		30 (18)	130 (112)
		Phenol-d6	150	124	83		30 (15)	130 (107)
		Nitrobenzene-d5	100	82.1	82		30 (18)	130 (107)
		2-Fluorobiphenyl	100	78.8	79		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	132	88		30 (10)	130 (110)
		Terphenyl-d14	100	84.2	84		30 (14)	130 (112)

( ) = LABORATORY INHOUSE LIMIT

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

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: O5257-05MS		**Client Sample ID: WC-2MS**						**DataFile: BF136162.D**			
Benzaldehyde	1100	0	330	ug/Kg	30				20 (26)	160 (163)	
Phenol	1100	0	1000	ug/Kg	91				20 (67)	160 (126)	
bis(2-Chloroethyl)ether	1100	0	1000	ug/Kg	91				70 (74)	130 (116)	
2-Chlorophenol	1100	0	1100	ug/Kg	100				70 (61)	130 (138)	
2-Methylphenol	1100	0	950	ug/Kg	86				70 (66)	130 (122)	
2,2-oxybis(1-Chloropropane)	1100	0	970	ug/Kg	88				70 (52)	130 (115)	
Acetophenone	1100	0	1100	ug/Kg	100				70 (75)	130 (111)	
3+4-Methylphenols	1100	0	980	ug/Kg	89				20 (53)	160 (132)	
N-Nitroso-di-n-propylamine	1100	0	1000	ug/Kg	91				70 (59)	130 (119)	
Hexachloroethane	1100	0	1100	ug/Kg	100				20 (65)	160 (117)	
Nitrobenzene	1100	0	1100	ug/Kg	100				70 (70)	130 (119)	
Isophorone	1100	0	1100	ug/Kg	100				70 (76)	130 (122)	
2-Nitrophenol	1100	0	1200	ug/Kg	109				70 (54)	130 (145)	
2,4-Dimethylphenol	1100	0	960	ug/Kg	87				70 (83)	130 (144)	
bis(2-Chloroethoxy)methane	1100	0	1000	ug/Kg	91				70 (68)	130 (112)	
2,4-Dichlorophenol	1100	0	1100	ug/Kg	100				70 (72)	130 (118)	
Naphthalene	1100	0	1100	ug/Kg	100				70 (72)	130 (110)	
4-Chloroaniline	1100	0	260	ug/Kg	24	*			70 (10)	130 (100)	
Hexachlorobutadiene	1100	0	1200	ug/Kg	109				70 (66)	130 (114)	
Caprolactam	1100	0	1100	ug/Kg	100				20 (51)	160 (134)	
4-Chloro-3-methylphenol	1100	0	1100	ug/Kg	100				70 (57)	130 (132)	
2-Methylnaphthalene	1100	0	1000	ug/Kg	91				70 (59)	130 (123)	
Hexachlorocyclopentadiene	2200	0	1400	ug/Kg	64				20 (10)	160 (175)	
2,4,6-Trichlorophenol	1100	0	1100	ug/Kg	100				70 (72)	130 (117)	
2,4,5-Trichlorophenol	1100	0	1000	ug/Kg	91				70 (72)	130 (117)	
1,1-Biphenyl	1100	0	1100	ug/Kg	100				70 (75)	130 (113)	
2-Chloronaphthalene	1100	0	1100	ug/Kg	100				70 (67)	130 (118)	
2-Nitroaniline	1100	0	1100	ug/Kg	100				70 (69)	130 (127)	
Dimethylphthalate	1100	0	1100	ug/Kg	100				70 (70)	130 (113)	
Acenaphthylene	1100	0	1100	ug/Kg	100				70 (79)	130 (118)	
2,6-Dinitrotoluene	1100	0	1100	ug/Kg	100				70 (70)	130 (125)	
3-Nitroaniline	1100	0	660	ug/Kg	60	*			70 (20)	130 (111)	
Acenaphthene	1100	0	1000	ug/Kg	91				70 (70)	130 (121)	
2,4-Dinitrophenol	2200	0	1500	ug/Kg	68				20 (16)	160 (160)	
4-Nitrophenol	2200	0	2000	ug/Kg	91				20 (45)	160 (133)	
Dibenzofuran	1100	0	1100	ug/Kg	100				70 (72)	130 (110)	
2,4-Dinitrotoluene	1100	0	1200	ug/Kg	109				70 (55)	130 (128)	
Diethylphthalate	1100	0	1100	ug/Kg	100				70 (70)	130 (112)	
4-Chlorophenyl-phenylether	1100	0	1100	ug/Kg	100				70 (71)	130 (108)	
Fluorene	1100	0	1100	ug/Kg	100				70 (68)	130 (116)	
4-Nitroaniline	1100	0	920	ug/Kg	84				70 (55)	130 (120)	
4,6-Dinitro-2-methylphenol	1100	0	890	ug/Kg	81				70 (32)	130 (145)	
N-Nitrosodiphenylamine	1100	0	1200	ug/Kg	109				70 (73)	130 (118)	
4-Bromophenyl-phenylether	1100	0	1200	ug/Kg	109				70 (65)	130 (121)	
Hexachlorobenzene	1100	0	1200	ug/Kg	109				70 (67)	130 (118)	
Atrazine	1100	0	1500	ug/Kg	136	*			70 (79)	130 (127)	
Pentachlorophenol	2200	0	2000	ug/Kg	91				20 (47)	160 (128)	

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

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Phenanthrene	1100	71.1	1200	ug/Kg	103				70 (72)	130 (113)	
Anthracene	1100	0	1100	ug/Kg	100				70 (62)	130 (124)	
Carbazole	1100	0	1000	ug/Kg	91				70 (59)	130 (119)	
Di-n-butylphthalate	1100	0	1200	ug/Kg	109				70 (69)	130 (118)	
Fluoranthene	1100	120	1100	ug/Kg	89				70 (59)	130 (125)	
Pyrene	1100	110	990	ug/Kg	80				70 (52)	130 (128)	
Butylbenzylphthalate	1100	0	1000	ug/Kg	91				70 (64)	130 (126)	
3,3-Dichlorobenzidine	1100	0	1000	ug/Kg	91				70 (10)	130 (164)	
Benzo(a)anthracene	1100	67.6	1100	ug/Kg	94				70 (71)	130 (114)	
Chrysene	1100	69.7	1100	ug/Kg	94				70 (57)	130 (121)	
bis(2-Ethylhexyl)phthalate	1100	0	1100	ug/Kg	100				70 (66)	130 (127)	
Di-n-octyl phthalate	1100	0	1300	ug/Kg	118				70 (71)	130 (126)	
Benzo(b)fluoranthene	1100	100	1300	ug/Kg	109				70 (67)	130 (121)	
Benzo(k)fluoranthene	1100	0	1100	ug/Kg	100				70 (74)	130 (114)	
Benzo(a)pyrene	1100	70.4	1100	ug/Kg	94				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	1100	0	810	ug/Kg	74				70 (61)	130 (125)	
Dibenz(a,h)anthracene	1100	0	810	ug/Kg	74				70 (67)	130 (130)	
Benzo(g,h,i)perylene	1100	88.2	680	ug/Kg	54	*			70 (53)	130 (140)	
1,2,4,5-Tetrachlorobenzene	1100	0	1100	ug/Kg	100				70 (69)	130 (124)	
1,4-Dioxane	1100	0	830	ug/Kg	75				20 (46)	160 (112)	
2,3,4,6-Tetrachlorophenol	1100	0	1000	ug/Kg	91				70 (56)	130 (133)	

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Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: O5257-05MSD		**Client Sample ID: WC-2MSD**						**DataFile: BF136163.D**			
Benzaldehyde	1100	0	350	ug/Kg	32		6		20 (26)	160 (163)	30 (20)
Phenol	1100	0	1100	ug/Kg	100		9		20 (67)	160 (126)	30 (20)
bis(2-Chloroethyl)ether	1100	0	1100	ug/Kg	100		9		70 (74)	130 (116)	30 (20)
2-Chlorophenol	1100	0	1100	ug/Kg	100		0		70 (61)	130 (138)	30 (20)
2-Methylphenol	1100	0	1000	ug/Kg	91		6		70 (66)	130 (122)	30 (20)
2,2-oxybis(1-Chloropropane)	1100	0	1000	ug/Kg	91		3		70 (52)	130 (115)	30 (20)
Acetophenone	1100	0	1200	ug/Kg	109		9		70 (75)	130 (111)	30 (20)
3+4-Methylphenols	1100	0	1000	ug/Kg	91		2		20 (53)	160 (132)	30 (20)
N-Nitroso-di-n-propylamine	1100	0	1100	ug/Kg	100		9		70 (59)	130 (119)	30 (20)
Hexachloroethane	1100	0	1200	ug/Kg	109		9		20 (65)	160 (117)	30 (20)
Nitrobenzene	1100	0	1200	ug/Kg	109		9		70 (70)	130 (119)	30 (20)
Isophorone	1100	0	1100	ug/Kg	100		0		70 (76)	130 (122)	30 (20)
2-Nitrophenol	1100	0	1300	ug/Kg	118		8		70 (54)	130 (145)	30 (20)
2,4-Dimethylphenol	1100	0	1000	ug/Kg	91		4		70 (83)	130 (144)	30 (20)
bis(2-Chloroethoxy)methane	1100	0	1100	ug/Kg	100		9		70 (68)	130 (112)	30 (20)
2,4-Dichlorophenol	1100	0	1200	ug/Kg	109		9		70 (72)	130 (118)	30 (20)
Naphthalene	1100	0	1100	ug/Kg	100		0		70 (72)	130 (110)	30 (20)
4-Chloroaniline	1100	0	260	ug/Kg	24	*	0		70 (10)	130 (100)	30 (20)
Hexachlorobutadiene	1100	0	1200	ug/Kg	109		0		70 (66)	130 (114)	30 (20)
Caprolactam	1100	0	1200	ug/Kg	109		9		20 (51)	160 (134)	30 (20)
4-Chloro-3-methylphenol	1100	0	1200	ug/Kg	109		9		70 (57)	130 (132)	30 (20)
2-Methylnaphthalene	1100	0	1100	ug/Kg	100		9		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	2200	0	1700	ug/Kg	77		18		20 (10)	160 (175)	30 (20)
2,4,6-Trichlorophenol	1100	0	1200	ug/Kg	109		9		70 (72)	130 (117)	30 (20)
2,4,5-Trichlorophenol	1100	0	1100	ug/Kg	100		9		70 (72)	130 (117)	30 (20)
1,1-Biphenyl	1100	0	1200	ug/Kg	109		9		70 (75)	130 (113)	30 (20)
2-Chloronaphthalene	1100	0	1200	ug/Kg	109		9		70 (67)	130 (118)	30 (20)
2-Nitroaniline	1100	0	1200	ug/Kg	109		9		70 (69)	130 (127)	30 (20)
Dimethylphthalate	1100	0	1200	ug/Kg	109		9		70 (70)	130 (113)	30 (20)
Acenaphthylene	1100	0	1200	ug/Kg	109		9		70 (79)	130 (118)	30 (20)
2,6-Dinitrotoluene	1100	0	1200	ug/Kg	109		9		70 (70)	130 (125)	30 (20)
3-Nitroaniline	1100	0	690	ug/Kg	63	*	5		70 (20)	130 (111)	30 (20)
Acenaphthene	1100	0	1100	ug/Kg	100		9		70 (70)	130 (121)	30 (20)
2,4-Dinitrophenol	2200	0	1700	ug/Kg	77		12		20 (16)	160 (160)	30 (20)
4-Nitrophenol	2200	0	2200	ug/Kg	100		9		20 (45)	160 (133)	30 (20)
Dibenzofuran	1100	0	1100	ug/Kg	100		0		70 (72)	130 (110)	30 (20)
2,4-Dinitrotoluene	1100	0	1200	ug/Kg	109		0		70 (55)	130 (128)	30 (20)
Diethylphthalate	1100	0	1200	ug/Kg	109		9		70 (70)	130 (112)	30 (20)
4-Chlorophenyl-phenylether	1100	0	1200	ug/Kg	109		9		70 (71)	130 (108)	30 (20)
Fluorene	1100	0	1200	ug/Kg	109		9		70 (68)	130 (116)	30 (20)
4-Nitroaniline	1100	0	970	ug/Kg	88		5		70 (55)	130 (120)	30 (20)
4,6-Dinitro-2-methylphenol	1100	0	970	ug/Kg	88		8		70 (32)	130 (145)	30 (20)
N-Nitrosodiphenylamine	1100	0	1300	ug/Kg	118		8		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	1100	0	1300	ug/Kg	118		8		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	1100	0	1300	ug/Kg	118		8		70 (67)	130 (118)	30 (20)
Atrazine	1100	0	1600	ug/Kg	145	*	6		70 (79)	130 (127)	30 (20)
Pentachlorophenol	2200	0	2100	ug/Kg	95		4		20 (47)	160 (128)	30 (20)

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

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Phenanthrene	1100	71.1	1200	ug/Kg	103		0		70 (72)	130 (113)	30 (20)
Anthracene	1100	0	1200	ug/Kg	109		9		70 (62)	130 (124)	30 (20)
Carbazole	1100	0	1100	ug/Kg	100		9		70 (59)	130 (119)	30 (20)
Di-n-butylphthalate	1100	0	1300	ug/Kg	118		8		70 (69)	130 (118)	30 (20)
Fluoranthene	1100	120	1200	ug/Kg	98		10		70 (59)	130 (125)	30 (20)
Pyrene	1100	110	1100	ug/Kg	90		12		70 (52)	130 (128)	30 (20)
Butylbenzylphthalate	1100	0	1100	ug/Kg	100		9		70 (64)	130 (126)	30 (20)
3,3-Dichlorobenzidine	1100	0	1100	ug/Kg	100		9		70 (10)	130 (164)	30 (20)
Benzo(a)anthracene	1100	67.6	1200	ug/Kg	103		9		70 (71)	130 (114)	30 (20)
Chrysene	1100	69.7	1200	ug/Kg	103		9		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	1100	0	1200	ug/Kg	109		9		70 (66)	130 (127)	30 (20)
Di-n-octyl phthalate	1100	0	1400	ug/Kg	127		7		70 (71)	130 (126)	30 (20)
Benzo(b)fluoranthene	1100	100	1400	ug/Kg	118		8		70 (67)	130 (121)	30 (20)
Benzo(k)fluoranthene	1100	0	1200	ug/Kg	109		9		70 (74)	130 (114)	30 (20)
Benzo(a)pyrene	1100	70.4	1200	ug/Kg	103		9		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	1100	0	900	ug/Kg	82		10		70 (61)	130 (125)	30 (20)
Dibenz(a,h)anthracene	1100	0	910	ug/Kg	83		11		70 (67)	130 (130)	30 (20)
Benzo(g,h,i)perylene	1100	88.2	750	ug/Kg	60	*	11		70 (53)	130 (140)	30 (20)
1,2,4,5-Tetrachlorobenzene	1100	0	1200	ug/Kg	109		9		70 (69)	130 (124)	30 (20)
1,4-Dioxane	1100	0	870	ug/Kg	79		5		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	1100	0	1100	ug/Kg	100		9		70 (56)	130 (133)	30 (20)

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: 8270E **DataFile:** BF136178.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB156921BS	Benzaldehyde	1700	710	ug/Kg	42				20 (10)	160 (147)	
	Phenol	1700	1400	ug/Kg	82				20 (62)	160 (112)	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				70 (60)	130 (101)	
	2-Chlorophenol	1700	1500	ug/Kg	88				70 (65)	130 (112)	
	2-Methylphenol	1700	1400	ug/Kg	82				70 (61)	130 (108)	
	2,2-oxybis(1-Chloropropane)	1700	1500	ug/Kg	88				70 (51)	130 (100)	
	Acetophenone	1700	1500	ug/Kg	88				70 (55)	130 (104)	
	3+4-Methylphenols	1700	1400	ug/Kg	82				20 (58)	160 (111)	
	N-Nitroso-di-n-propylamine	1700	1500	ug/Kg	88				70 (63)	130 (95)	
	Hexachloroethane	1700	1500	ug/Kg	88				20 (72)	160 (108)	
	Nitrobenzene	1700	1400	ug/Kg	82				70 (57)	130 (101)	
	Isophorone	1700	1500	ug/Kg	88				70 (59)	130 (99)	
	2-Nitrophenol	1700	1500	ug/Kg	88				70 (61)	130 (111)	
	2,4-Dimethylphenol	1700	1500	ug/Kg	88				70 (67)	130 (119)	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				70 (53)	130 (105)	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				70 (62)	130 (107)	
	Naphthalene	1700	1400	ug/Kg	82				70 (62)	130 (100)	
	4-Chloroaniline	1700	1000	ug/Kg	59		*		70 (16)	130 (100)	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				70 (53)	130 (98)	
	Caprolactam	1700	1600	ug/Kg	94				20 (67)	160 (110)	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				70 (58)	130 (112)	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				70 (60)	130 (104)	
	Hexachlorocyclopentadiene	3300	3100	ug/Kg	94				20 (45)	160 (134)	
	2,4,6-Trichlorophenol	1700	1400	ug/Kg	82				70 (59)	130 (102)	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				70 (61)	130 (98)	
	1,1-Biphenyl	1700	1400	ug/Kg	82				70 (57)	130 (103)	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				70 (58)	130 (99)	
	2-Nitroaniline	1700	1500	ug/Kg	88				70 (66)	130 (101)	
	Dimethylphthalate	1700	1400	ug/Kg	82				70 (61)	130 (99)	
	Acenaphthylene	1700	1400	ug/Kg	82				70 (63)	130 (101)	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				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	2900	ug/Kg	88				20 (37)	160 (128)	
	4-Nitrophenol	3300	3100	ug/Kg	94				20 (48)	160 (119)	
	Dibenzofuran	1700	1400	ug/Kg	82				70 (63)	130 (99)	
	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				70 (60)	130 (106)	
	Diethylphthalate	1700	1400	ug/Kg	82				70 (60)	130 (101)	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				70 (58)	130 (98)	
	Fluorene	1700	1400	ug/Kg	82				70 (61)	130 (101)	
	4-Nitroaniline	1700	1500	ug/Kg	88				70 (64)	130 (103)	
	4,6-Dinitro-2-methylphenol	1700	1500	ug/Kg	88				70 (76)	130 (113)	
	N-Nitrosodiphenylamine	1700	1400	ug/Kg	82				70 (56)	130 (107)	
	4-Bromophenyl-phenylether	1700	1400	ug/Kg	82				70 (55)	130 (99)	
	Hexachlorobenzene	1700	1600	ug/Kg	94				70 (64)	130 (98)	
	Atrazine	1700	1200	ug/Kg	71				70 (67)	130 (113)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: 8270E **DataFile:** BF136178.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB156921BS	Pentachlorophenol	3300	2800	ug/Kg	85				20 (67)	160 (105)	
	Phenanthrene	1700	1500	ug/Kg	88				70 (59)	130 (103)	
	Anthracene	1700	1400	ug/Kg	82				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	1500	ug/Kg	88				70 (55)	130 (103)	
	3,3-Dichlorobenzidine	1700	1500	ug/Kg	88				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	1500	ug/Kg	88				70 (63)	130 (111)	
	Di-n-octyl phthalate	1700	1500	ug/Kg	88				70 (70)	130 (108)	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				70 (62)	130 (109)	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				70 (62)	130 (109)	
	Benzo(a)pyrene	1700	1500	ug/Kg	88				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	1500	ug/Kg	88				70 (70)	130 (108)	
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				70 (53)	130 (101)	
	1,4-Dioxane	1700	1300	ug/Kg	76				20 (50)	160 (96)	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				70 (59)	130 (108)	

( ) = LABORATORY INHOUSE LIMIT

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB156921BL

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: O5252 SAS No.: O5252 SDG NO.: O5252

Lab File ID: BF136177.D Lab Sample ID: PB156921BL

Instrument ID: BNA_F Date Extracted: 11/06/2023

Matrix: (soil/water) SOIL Date Analyzed: 11/07/2023

Level: (low/med) LOW Time Analyzed: 15:47

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB156921BS	PB156921BS	BF136178.D	11/07/2023
WASTE	O5252-01	BM042698.D	11/10/2023
WC-2MS	O5257-05MS	BF136162.D	11/06/2023
WC-2MSD	O5257-05MSD	BF136163.D	11/06/2023

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM SAS No.: O5252 SDG NO.: O5252

Lab File ID: BF136022.D DFTPP Injection Date: 10/30/2023

Instrument ID: BNA_F DFTPP Injection Time: 11:02

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.1
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	32.0
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	45.3
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	6.7
275	10.0 - 60.0% of mass 198	28.1
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	15.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19 (19) 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	BF136023.D	10/30/2023	12:02
SSTDICC005	SSTDICC005	BF136024.D	10/30/2023	12:32
SSTDICC010	SSTDICC010	BF136025.D	10/30/2023	13:02
SSTDICC020	SSTDICC020	BF136026.D	10/30/2023	13:33
SSTDICCC040	SSTDICCC040	BF136027.D	10/30/2023	14:04
SSTDICC050	SSTDICC050	BF136028.D	10/30/2023	14:49
SSTDICC060	SSTDICC060	BF136029.D	10/30/2023	15:20
SSTDICC080	SSTDICC080	BF136030.D	10/30/2023	15:51

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM SAS No.: O5252 SDG NO.: O5252

Lab File ID: BF136148.D DFTPP Injection Date: 11/06/2023

Instrument ID: BNA_F DFTPP Injection Time: 11:31

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.3
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	32.7
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	46
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	6.3
275	10.0 - 60.0% of mass 198	28.1
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	15
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.7 (19.1) 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	BF136149.D	11/06/2023	12:01
WC-2MS	O5257-05MS	BF136162.D	11/06/2023	18:59
WC-2MSD	O5257-05MSD	BF136163.D	11/06/2023	19:29

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM SAS No.: O5252 SDG NO.: O5252

Lab File ID: BF136166.D DFTPP Injection Date: 11/07/2023

Instrument ID: BNA_F DFTPP Injection Time: 09:28

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.6
68	Less than 2.0% of mass 69	0.6 (2) 1
69	Mass 69 relative abundance	33
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	46.1
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	6.6
275	10.0 - 60.0% of mass 198	27.7
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	14.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.8 (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	BF136168.D	11/07/2023	10:30
SSTDICC005	SSTDICC005	BF136169.D	11/07/2023	11:01
SSTDICC010	SSTDICC010	BF136170.D	11/07/2023	11:31
SSTDICC020	SSTDICC020	BF136171.D	11/07/2023	12:01
SSTDICCC040	SSTDICCC040	BF136172.D	11/07/2023	12:31
SSTDICC050	SSTDICC050	BF136173.D	11/07/2023	13:02
SSTDICC060	SSTDICC060	BF136174.D	11/07/2023	13:33
SSTDICC080	SSTDICC080	BF136175.D	11/07/2023	14:03
PB156921BL	PB156921BL	BF136177.D	11/07/2023	15:47
PB156921BS	PB156921BS	BF136178.D	11/07/2023	16:18

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM SAS No.: O5252 SDG NO.: O5252

Lab File ID: BM042487.D DFTPP Injection Date: 10/30/2023

Instrument ID: BNA_M DFTPP Injection Time: 09:52

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	48.8
68	Less than 2.0% of mass 69	0.7 (1.5) 1
69	Mass 69 relative abundance	45.8
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	47.4
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	24.7
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	13.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.4 (19.7) 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	BM042488.D	10/30/2023	11:04
SSTDICC005	SSTDICC005	BM042489.D	10/30/2023	11:40
SSTDICC010	SSTDICC010	BM042490.D	10/30/2023	12:16
SSTDICC020	SSTDICC020	BM042491.D	10/30/2023	12:52
SSTDICCC040	SSTDICCC040	BM042492.D	10/30/2023	13:29
SSTDICC050	SSTDICC050	BM042493.D	10/30/2023	14:05
SSTDICC060	SSTDICC060	BM042494.D	10/30/2023	14:41
SSTDICC080	SSTDICC080	BM042495.D	10/30/2023	15:18

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM SAS No.: O5252 SDG NO.: O5252

Lab File ID: BM042684.D DFTPP Injection Date: 11/10/2023

Instrument ID: BNA_M DFTPP Injection Time: 10:10

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	54.5
68	Less than 2.0% of mass 69	0.7 (1.5) 1
69	Mass 69 relative abundance	46.4
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	44.2
197	Less than 2.0% of mass 198	0.6
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	27.2
365	Greater than 1% of mass 198	4.2
441	Present, but less than mass 443	15
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.9 (19.8) 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
SSTDCCC040	SSTDCCC040	BM042685.D	11/10/2023	11:22
WASTE	O5252-01	BM042698.D	11/10/2023	19:10

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: O5252 SAS No.: O5252 SDG NO.: O5252

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/06/2023

Lab File ID: BF136149.D Time Analyzed: 12:01

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	106195	6.822	409921	8.10	211105	9.86
	UPPER LIMIT	212390	7.322	819842	8.598	422210	10.363
	LOWER LIMIT	53097.5	6.322	204961	7.598	105553	9.363
	EPA SAMPLE NO.						
01	WC-2MS	84798	6.82	326584	8.10	167090	9.86
02	WC-2MSD	84667	6.82	331240	8.10	166345	9.86

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: CHEMTECH

Lab Code: CHEM Case No.: 05252 SAS No.: 05252 SDG NO.: 05252

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/06/2023

Lab File ID: BF136149.D Time Analyzed: 12:01

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	390010	11.351	198566	14.01	195040	15.492
	UPPER LIMIT	780020	11.851	397132	14.51	390080	15.992
	LOWER LIMIT	195005	10.851	99283	13.51	97520	14.992
	EPA SAMPLE NO.						
01	WC-2MS	266358	11.35	168860	14.01	162522	15.50
02	WC-2MSD	270586	11.35	171083	14.01	163710	15.50

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: CHEMTECH

Lab Code: CHEM Case No.: O5252 SAS No.: O5252 SDG NO.: O5252

EPA Sample No.: SSTDICCC040 Date Analyzed: 11/07/2023

Lab File ID: BF136172.D Time Analyzed: 12:31

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	94039	6.822	355903	8.10	179783	9.86
	UPPER LIMIT	188078	7.322	711806	8.598	359566	10.357
	LOWER LIMIT	47019.5	6.322	177952	7.598	89891.5	9.357
	EPA SAMPLE NO.						
01	PB156921BL	92028	6.82	367949	8.10	188969	9.86
02	PB156921BS	87663	6.82	351885	8.10	189065	9.86

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: CHEMTECH

Lab Code: CHEM Case No.: 05252 SAS No.: 05252 SDG NO.: 05252

EPA Sample No.: SSTDICCC040 Date Analyzed: 11/07/2023

Lab File ID: BF136172.D Time Analyzed: 12:31

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	318009	11.351	161950	14.01	176876	15.498
	UPPER LIMIT	636018	11.851	323900	14.51	353752	15.998
	LOWER LIMIT	159005	10.851	80975	13.51	88438	14.998
	EPA SAMPLE NO.						
01	PB156921BL	341560	11.35	196372	14.00	181071	15.49
02	PB156921BS	332026	11.35	171609	14.01	179783	15.50

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: CHEMTECH

Lab Code: CHEM Case No.: O5252 SAS No.: O5252 SDG NO.: O5252

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/10/2023

Lab File ID: BM042685.D Time Analyzed: 11:22

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	72991	7.845	331358	10.66	231375	14.50
	UPPER LIMIT	145982	8.345	662716	11.163	462750	15.004
	LOWER LIMIT	36495.5	7.345	165679	10.163	115688	14.004
	EPA SAMPLE NO.						
01	WASTE	62722	7.85	245261	10.66	160144	14.50

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: CHEMTECH

Lab Code: CHEM Case No.: 05252 SAS No.: 05252 SDG NO.: 05252

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/10/2023

Lab File ID: BM042685.D Time Analyzed: 11:22

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	472580	17.257	366899	21.445	365656	23.821
	UPPER LIMIT	945160	17.757	733798	21.945	731312	24.321
	LOWER LIMIT	236290	16.757	183450	20.945	182828	23.321
	EPA SAMPLE NO.						
01	WASTE	307838	17.26	232800	21.44	261247	23.82

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.

CHEMTECH

QC SAMPLE DATA

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	PB156921BL	SDG No.:	O5252
Lab Sample ID:	PB156921BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136177.D	1	11/06/23 09:48	11/07/23 15:47	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.15	U	0.15	0.33	mg/Kg
108-95-2	Phenol	0.074	U	0.074	0.17	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.090	U	0.090	0.17	mg/Kg
95-57-8	2-Chlorophenol	0.072	U	0.072	0.17	mg/Kg
95-48-7	2-Methylphenol	0.11	U	0.11	0.17	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.10	U	0.10	0.17	mg/Kg
98-86-2	Acetophenone	0.087	U	0.087	0.17	mg/Kg
65794-96-9	3+4-Methylphenols	0.11	U	0.11	0.33	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.059	U	0.059	0.080	mg/Kg
67-72-1	Hexachloroethane	0.074	U	0.074	0.17	mg/Kg
98-95-3	Nitrobenzene	0.075	U	0.075	0.17	mg/Kg
78-59-1	Isophorone	0.068	U	0.068	0.17	mg/Kg
88-75-5	2-Nitrophenol	0.095	U	0.095	0.17	mg/Kg
105-67-9	2,4-Dimethylphenol	0.100	U	0.100	0.17	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.11	U	0.11	0.17	mg/Kg
120-83-2	2,4-Dichlorophenol	0.078	U	0.078	0.17	mg/Kg
91-20-3	Naphthalene	0.081	U	0.081	0.17	mg/Kg
106-47-8	4-Chloroaniline	0.10	U	0.10	0.17	mg/Kg
87-68-3	Hexachlorobutadiene	0.084	U	0.084	0.17	mg/Kg
105-60-2	Caprolactam	0.12	U	0.12	0.33	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.083	U	0.083	0.17	mg/Kg
91-57-6	2-Methylnaphthalene	0.095	U	0.095	0.17	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.21	U	0.21	0.33	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.077	U	0.077	0.17	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.088	U	0.088	0.17	mg/Kg
92-52-4	1,1-Biphenyl	0.091	U	0.091	0.17	mg/Kg
91-58-7	2-Chloronaphthalene	0.085	U	0.085	0.17	mg/Kg
88-74-4	2-Nitroaniline	0.099	U	0.099	0.17	mg/Kg
131-11-3	Dimethylphthalate	0.089	U	0.089	0.17	mg/Kg
208-96-8	Acenaphthylene	0.088	U	0.088	0.17	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.090	U	0.090	0.17	mg/Kg

Raw Data: **BF136177.D**

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	PB156921BL	SDG No.:	O5252
Lab Sample ID:	PB156921BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136177.D	1	11/06/23 09:48	11/07/23 15:47	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	0.093	U	0.093	0.17	mg/Kg
83-32-9	Acenaphthene	0.080	U	0.080	0.17	mg/Kg
51-28-5	2,4-Dinitrophenol	0.18	U	0.18	0.33	mg/Kg
100-02-7	4-Nitrophenol	0.11	U	0.11	0.33	mg/Kg
132-64-9	Dibenzofuran	0.077	U	0.077	0.17	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.100	U	0.100	0.17	mg/Kg
84-66-2	Diethylphthalate	0.086	U	0.086	0.17	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.090	U	0.090	0.17	mg/Kg
86-73-7	Fluorene	0.085	U	0.085	0.17	mg/Kg
100-01-6	4-Nitroaniline	0.10	U	0.10	0.17	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.088	U	0.088	0.33	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.093	U	0.093	0.17	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.097	U	0.097	0.17	mg/Kg
118-74-1	Hexachlorobenzene	0.099	U	0.099	0.17	mg/Kg
1912-24-9	Atrazine	0.095	U	0.095	0.17	mg/Kg
87-86-5	Pentachlorophenol	0.11	U	0.11	0.33	mg/Kg
85-01-8	Phenanthrene	0.093	U	0.093	0.17	mg/Kg
120-12-7	Anthracene	0.10	U	0.10	0.17	mg/Kg
86-74-8	Carbazole	0.085	U	0.085	0.17	mg/Kg
84-74-2	Di-n-butylphthalate	0.10	U	0.10	0.17	mg/Kg
206-44-0	Fluoranthene	0.094	U	0.094	0.17	mg/Kg
129-00-0	Pyrene	0.084	U	0.084	0.17	mg/Kg
85-68-7	Butylbenzylphthalate	0.10	U	0.10	0.17	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.16	U	0.16	0.33	mg/Kg
56-55-3	Benzo(a)anthracene	0.084	U	0.084	0.17	mg/Kg
218-01-9	Chrysene	0.087	U	0.087	0.17	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.11	U	0.11	0.17	mg/Kg
117-84-0	Di-n-octyl phthalate	0.12	U	0.12	0.33	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.080	U	0.080	0.17	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.088	U	0.088	0.17	mg/Kg
50-32-8	Benzo(a)pyrene	0.094	U	0.094	0.17	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.11	U	0.11	0.17	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.097	U	0.097	0.17	mg/Kg

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	PB156921BL	SDG No.:	O5252
Lab Sample ID:	PB156921BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136177.D	1	11/06/23 09:48	11/07/23 15:47	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	0.093	U	0.093	0.17	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.089	U	0.089	0.17	mg/Kg
123-91-1	1,4-Dioxane	0.12	U	0.12	0.17	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.083	U	0.083	0.17	mg/Kg
SURROGATES						
367-12-4	2-Fluorophenol	126		30 (18) - 130 (112)	84%	SPK: 150
13127-88-3	Phenol-d6	125		30 (15) - 130 (107)	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.6		30 (18) - 130 (107)	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.1		30 (20) - 130 (109)	85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	131		30 (10) - 130 (110)	87%	SPK: 150
1718-51-0	Terphenyl-d14	84.9		30 (14) - 130 (112)	85%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	92000	6.816			
1146-65-2	Naphthalene-d8	368000	8.098			
15067-26-2	Acenaphthene-d10	189000	9.857			
1517-22-2	Phenanthrene-d10	342000	11.351			
1719-03-5	Chrysene-d12	196000	14.004			
1520-96-3	Perylene-d12	181000	15.492			
TENTATIVE IDENTIFIED COMPOUNDS						
000556-71-8	Cyclononasiloxane, octadecamethyl-	160	J		14.5	ug/Kg
000107-52-8	Hexasiloxane, tetradecamethyl-	300	J		14.9	ug/Kg
	unknown15.351	370	J		15.4	ug/Kg
	unknown15.880	380	J		15.9	ug/Kg
	unknown16.510	350	J		16.5	ug/Kg
	unknown17.274	300	J		17.3	ug/Kg
000556-70-7	1,1,1,3,3,5,5,7,7,9,9,11,11,13,13,	280	J		18.2	ug/Kg

Raw Data: **BF136177.D**

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Report of Analysis

Client:	RMJ Environomics, Inc.			Date Collected:	
Project:	245 Greenwood Ave			Date Received:	
Client Sample ID:	PB156921BL			SDG No.:	O5252
Lab Sample ID:	PB156921BL			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136177.D	1	11/06/23 09:48	11/07/23 15:47	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

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:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	PB156921BS	SDG No.:	O5252
Lab Sample ID:	PB156921BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136178.D	1	11/06/23 09:48	11/07/23 16:18	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.71		0.15	0.33	mg/Kg
108-95-2	Phenol	1.40		0.074	0.17	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	1.50		0.090	0.17	mg/Kg
95-57-8	2-Chlorophenol	1.50		0.072	0.17	mg/Kg
95-48-7	2-Methylphenol	1.40		0.11	0.17	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1.50		0.10	0.17	mg/Kg
98-86-2	Acetophenone	1.50		0.087	0.17	mg/Kg
65794-96-9	3+4-Methylphenols	1.40		0.11	0.33	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	1.50		0.059	0.080	mg/Kg
67-72-1	Hexachloroethane	1.50		0.074	0.17	mg/Kg
98-95-3	Nitrobenzene	1.40		0.075	0.17	mg/Kg
78-59-1	Isophorone	1.50		0.068	0.17	mg/Kg
88-75-5	2-Nitrophenol	1.50		0.095	0.17	mg/Kg
105-67-9	2,4-Dimethylphenol	1.50		0.100	0.17	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	1.50		0.11	0.17	mg/Kg
120-83-2	2,4-Dichlorophenol	1.50		0.078	0.17	mg/Kg
91-20-3	Naphthalene	1.40		0.081	0.17	mg/Kg
106-47-8	4-Chloroaniline	1.00		0.10	0.17	mg/Kg
87-68-3	Hexachlorobutadiene	1.50		0.084	0.17	mg/Kg
105-60-2	Caprolactam	1.60		0.12	0.33	mg/Kg
59-50-7	4-Chloro-3-methylphenol	1.50		0.082	0.17	mg/Kg
91-57-6	2-Methylnaphthalene	1.40		0.095	0.17	mg/Kg
77-47-4	Hexachlorocyclopentadiene	3.10	E	0.21	0.33	mg/Kg
88-06-2	2,4,6-Trichlorophenol	1.40		0.077	0.17	mg/Kg
95-95-4	2,4,5-Trichlorophenol	1.40		0.088	0.17	mg/Kg
92-52-4	1,1-Biphenyl	1.40		0.091	0.17	mg/Kg
91-58-7	2-Chloronaphthalene	1.40		0.085	0.17	mg/Kg
88-74-4	2-Nitroaniline	1.50		0.099	0.17	mg/Kg
131-11-3	Dimethylphthalate	1.40		0.089	0.17	mg/Kg
208-96-8	Acenaphthylene	1.40		0.088	0.17	mg/Kg
606-20-2	2,6-Dinitrotoluene	1.50		0.090	0.17	mg/Kg

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	PB156921BS	SDG No.:	O5252
Lab Sample ID:	PB156921BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136178.D	1	11/06/23 09:48	11/07/23 16:18	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	1.20		0.093	0.17	mg/Kg
83-32-9	Acenaphthene	1.60		0.080	0.17	mg/Kg
51-28-5	2,4-Dinitrophenol	2.90	E	0.18	0.33	mg/Kg
100-02-7	4-Nitrophenol	3.10	E	0.11	0.33	mg/Kg
132-64-9	Dibenzofuran	1.40		0.077	0.17	mg/Kg
121-14-2	2,4-Dinitrotoluene	1.60		0.100	0.17	mg/Kg
84-66-2	Diethylphthalate	1.40		0.086	0.17	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	1.40		0.090	0.17	mg/Kg
86-73-7	Fluorene	1.40		0.085	0.17	mg/Kg
100-01-6	4-Nitroaniline	1.50		0.10	0.17	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1.50		0.088	0.33	mg/Kg
86-30-6	n-Nitrosodiphenylamine	1.40		0.093	0.17	mg/Kg
101-55-3	4-Bromophenyl-phenylether	1.40		0.097	0.17	mg/Kg
118-74-1	Hexachlorobenzene	1.60		0.099	0.17	mg/Kg
1912-24-9	Atrazine	1.20		0.095	0.17	mg/Kg
87-86-5	Pentachlorophenol	2.80	E	0.11	0.33	mg/Kg
85-01-8	Phenanthrene	1.50		0.093	0.17	mg/Kg
120-12-7	Anthracene	1.40		0.10	0.17	mg/Kg
86-74-8	Carbazole	1.50		0.085	0.17	mg/Kg
84-74-2	Di-n-butylphthalate	1.50		0.10	0.17	mg/Kg
206-44-0	Fluoranthene	1.50		0.094	0.17	mg/Kg
129-00-0	Pyrene	1.40		0.084	0.17	mg/Kg
85-68-7	Butylbenzylphthalate	1.50		0.10	0.17	mg/Kg
91-94-1	3,3-Dichlorobenzidine	1.50		0.16	0.33	mg/Kg
56-55-3	Benzo(a)anthracene	1.50		0.084	0.17	mg/Kg
218-01-9	Chrysene	1.40		0.087	0.17	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1.50		0.11	0.17	mg/Kg
117-84-0	Di-n-octyl phthalate	1.50		0.12	0.33	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.60		0.080	0.17	mg/Kg
207-08-9	Benzo(k)fluoranthene	1.60		0.088	0.17	mg/Kg
50-32-8	Benzo(a)pyrene	1.50		0.094	0.17	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.50		0.11	0.17	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	1.50		0.096	0.17	mg/Kg

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	PB156921BS	SDG No.:	O5252
Lab Sample ID:	PB156921BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136178.D	1	11/06/23 09:48	11/07/23 16:18	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	1.50		0.092	0.17	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1.40		0.089	0.17	mg/Kg
123-91-1	1,4-Dioxane	1.30		0.12	0.17	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1.50		0.083	0.17	mg/Kg
SURROGATES						
367-12-4	2-Fluorophenol	127		30 (18) - 130 (112)	85%	SPK: 150
13127-88-3	Phenol-d6	124		30 (15) - 130 (107)	83%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.1		30 (18) - 130 (107)	82%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.8		30 (20) - 130 (109)	79%	SPK: 100
118-79-6	2,4,6-Tribromophenol	132		30 (10) - 130 (110)	88%	SPK: 150
1718-51-0	Terphenyl-d14	84.2		30 (14) - 130 (112)	84%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	87700	6.822			
1146-65-2	Naphthalene-d8	352000	8.104			
15067-26-2	Acenaphthene-d10	189000	9.863			
1517-22-2	Phenanthrene-d10	332000	11.351			
1719-03-5	Chrysene-d12	172000	14.01			
1520-96-3	Perylene-d12	180000	15.498			

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:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WC-2MS	SDG No.:	O5252
Lab Sample ID:	O5257-05MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136162.D	1	11/06/23 09:48	11/06/23 18:59	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.33		0.097	0.22	mg/Kg
108-95-2	Phenol	1.00		0.049	0.11	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	1.00		0.059	0.11	mg/Kg
95-57-8	2-Chlorophenol	1.10		0.047	0.11	mg/Kg
95-48-7	2-Methylphenol	0.95		0.075	0.11	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.97		0.069	0.11	mg/Kg
98-86-2	Acetophenone	1.10		0.057	0.11	mg/Kg
65794-96-9	3+4-Methylphenols	0.98		0.071	0.22	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	1.00		0.039	0.052	mg/Kg
67-72-1	Hexachloroethane	1.10		0.048	0.11	mg/Kg
98-95-3	Nitrobenzene	1.10		0.049	0.11	mg/Kg
78-59-1	Isophorone	1.10		0.045	0.11	mg/Kg
88-75-5	2-Nitrophenol	1.20		0.062	0.11	mg/Kg
105-67-9	2,4-Dimethylphenol	0.96		0.065	0.11	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	1.00		0.073	0.11	mg/Kg
120-83-2	2,4-Dichlorophenol	1.10		0.051	0.11	mg/Kg
91-20-3	Naphthalene	1.10		0.053	0.11	mg/Kg
106-47-8	4-Chloroaniline	0.26		0.069	0.11	mg/Kg
87-68-3	Hexachlorobutadiene	1.20		0.055	0.11	mg/Kg
105-60-2	Caprolactam	1.10		0.077	0.22	mg/Kg
59-50-7	4-Chloro-3-methylphenol	1.10		0.054	0.11	mg/Kg
91-57-6	2-Methylnaphthalene	1.00		0.062	0.11	mg/Kg
77-47-4	Hexachlorocyclopentadiene	1.40		0.14	0.22	mg/Kg
88-06-2	2,4,6-Trichlorophenol	1.10		0.051	0.11	mg/Kg
95-95-4	2,4,5-Trichlorophenol	1.00		0.058	0.11	mg/Kg
92-52-4	1,1-Biphenyl	1.10		0.060	0.11	mg/Kg
91-58-7	2-Chloronaphthalene	1.10		0.055	0.11	mg/Kg
88-74-4	2-Nitroaniline	1.10		0.065	0.11	mg/Kg
131-11-3	Dimethylphthalate	1.10		0.058	0.11	mg/Kg
208-96-8	Acenaphthylene	1.10		0.058	0.11	mg/Kg
606-20-2	2,6-Dinitrotoluene	1.10		0.059	0.11	mg/Kg

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WC-2MS	SDG No.:	O5252
Lab Sample ID:	O5257-05MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136162.D	1	11/06/23 09:48	11/06/23 18:59	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	0.66		0.061	0.11	mg/Kg
83-32-9	Acenaphthene	1.00		0.053	0.11	mg/Kg
51-28-5	2,4-Dinitrophenol	1.50		0.12	0.22	mg/Kg
100-02-7	4-Nitrophenol	2.00	E	0.075	0.22	mg/Kg
132-64-9	Dibenzofuran	1.10		0.050	0.11	mg/Kg
121-14-2	2,4-Dinitrotoluene	1.20		0.066	0.11	mg/Kg
84-66-2	Diethylphthalate	1.10		0.056	0.11	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	1.10		0.059	0.11	mg/Kg
86-73-7	Fluorene	1.10		0.056	0.11	mg/Kg
100-01-6	4-Nitroaniline	0.92		0.068	0.11	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.89		0.058	0.22	mg/Kg
86-30-6	n-Nitrosodiphenylamine	1.20		0.061	0.11	mg/Kg
101-55-3	4-Bromophenyl-phenylether	1.20		0.064	0.11	mg/Kg
118-74-1	Hexachlorobenzene	1.20		0.065	0.11	mg/Kg
1912-24-9	Atrazine	1.50		0.063	0.11	mg/Kg
87-86-5	Pentachlorophenol	2.00	E	0.073	0.22	mg/Kg
85-01-8	Phenanthrene	1.20		0.061	0.11	mg/Kg
120-12-7	Anthracene	1.10		0.067	0.11	mg/Kg
86-74-8	Carbazole	1.00		0.056	0.11	mg/Kg
84-74-2	Di-n-butylphthalate	1.20		0.068	0.11	mg/Kg
206-44-0	Fluoranthene	1.10		0.062	0.11	mg/Kg
129-00-0	Pyrene	0.99		0.055	0.11	mg/Kg
85-68-7	Butylbenzylphthalate	1.00		0.068	0.11	mg/Kg
91-94-1	3,3-Dichlorobenzidine	1.00		0.11	0.22	mg/Kg
56-55-3	Benzo(a)anthracene	1.10		0.055	0.11	mg/Kg
218-01-9	Chrysene	1.10		0.057	0.11	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1.10		0.075	0.11	mg/Kg
117-84-0	Di-n-octyl phthalate	1.30		0.081	0.22	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.30		0.053	0.11	mg/Kg
207-08-9	Benzo(k)fluoranthene	1.10		0.058	0.11	mg/Kg
50-32-8	Benzo(a)pyrene	1.10		0.062	0.11	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.81		0.070	0.11	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.81		0.063	0.11	mg/Kg

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WC-2MS	SDG No.:	O5252
Lab Sample ID:	O5257-05MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136162.D	1	11/06/23 09:48	11/06/23 18:59	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	0.68		0.061	0.11	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1.10		0.059	0.11	mg/Kg
123-91-1	1,4-Dioxane	0.83		0.077	0.11	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1.00		0.054	0.11	mg/Kg
SURROGATES						
367-12-4	2-Fluorophenol	112		30 (18) - 130 (112)	74%	SPK: 150
13127-88-3	Phenol-d6	111		30 (15) - 130 (107)	74%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.1		30 (18) - 130 (107)	86%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.6		30 (20) - 130 (109)	85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	117		30 (10) - 130 (110)	78%	SPK: 150
1718-51-0	Terphenyl-d14	69.8		30 (14) - 130 (112)	70%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	84800	6.822			
1146-65-2	Naphthalene-d8	327000	8.104			
15067-26-2	Acenaphthene-d10	167000	9.863			
1517-22-2	Phenanthrene-d10	266000	11.351			
1719-03-5	Chrysene-d12	169000	14.01			
1520-96-3	Perylene-d12	163000	15.498			

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:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WC-2MSD	SDG No.:	O5252
Lab Sample ID:	O5257-05MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136163.D	1	11/06/23 09:48	11/06/23 19:29	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.35		0.097	0.22	mg/Kg
108-95-2	Phenol	1.10		0.049	0.11	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	1.10		0.059	0.11	mg/Kg
95-57-8	2-Chlorophenol	1.10		0.047	0.11	mg/Kg
95-48-7	2-Methylphenol	1.00		0.075	0.11	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1.00		0.069	0.11	mg/Kg
98-86-2	Acetophenone	1.20		0.057	0.11	mg/Kg
65794-96-9	3+4-Methylphenols	1.00		0.071	0.22	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	1.10		0.039	0.053	mg/Kg
67-72-1	Hexachloroethane	1.20		0.048	0.11	mg/Kg
98-95-3	Nitrobenzene	1.20		0.049	0.11	mg/Kg
78-59-1	Isophorone	1.10		0.045	0.11	mg/Kg
88-75-5	2-Nitrophenol	1.30		0.062	0.11	mg/Kg
105-67-9	2,4-Dimethylphenol	1.00		0.065	0.11	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	1.10		0.073	0.11	mg/Kg
120-83-2	2,4-Dichlorophenol	1.20		0.051	0.11	mg/Kg
91-20-3	Naphthalene	1.10		0.053	0.11	mg/Kg
106-47-8	4-Chloroaniline	0.26		0.069	0.11	mg/Kg
87-68-3	Hexachlorobutadiene	1.20		0.055	0.11	mg/Kg
105-60-2	Caprolactam	1.20		0.077	0.22	mg/Kg
59-50-7	4-Chloro-3-methylphenol	1.20		0.054	0.11	mg/Kg
91-57-6	2-Methylnaphthalene	1.10		0.062	0.11	mg/Kg
77-47-4	Hexachlorocyclopentadiene	1.70		0.14	0.22	mg/Kg
88-06-2	2,4,6-Trichlorophenol	1.20		0.051	0.11	mg/Kg
95-95-4	2,4,5-Trichlorophenol	1.10		0.058	0.11	mg/Kg
92-52-4	1,1-Biphenyl	1.20		0.060	0.11	mg/Kg
91-58-7	2-Chloronaphthalene	1.20		0.056	0.11	mg/Kg
88-74-4	2-Nitroaniline	1.20		0.065	0.11	mg/Kg
131-11-3	Dimethylphthalate	1.20		0.058	0.11	mg/Kg
208-96-8	Acenaphthylene	1.20		0.058	0.11	mg/Kg
606-20-2	2,6-Dinitrotoluene	1.20		0.059	0.11	mg/Kg

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WC-2MSD	SDG No.:	O5252
Lab Sample ID:	O5257-05MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136163.D	1	11/06/23 09:48	11/06/23 19:29	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	0.69		0.061	0.11	mg/Kg
83-32-9	Acenaphthene	1.10		0.053	0.11	mg/Kg
51-28-5	2,4-Dinitrophenol	1.70		0.12	0.22	mg/Kg
100-02-7	4-Nitrophenol	2.20	E	0.075	0.22	mg/Kg
132-64-9	Dibenzofuran	1.10		0.050	0.11	mg/Kg
121-14-2	2,4-Dinitrotoluene	1.20		0.066	0.11	mg/Kg
84-66-2	Diethylphthalate	1.20		0.056	0.11	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	1.20		0.059	0.11	mg/Kg
86-73-7	Fluorene	1.20		0.056	0.11	mg/Kg
100-01-6	4-Nitroaniline	0.97		0.068	0.11	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.97		0.058	0.22	mg/Kg
86-30-6	n-Nitrosodiphenylamine	1.30		0.061	0.11	mg/Kg
101-55-3	4-Bromophenyl-phenylether	1.30		0.064	0.11	mg/Kg
118-74-1	Hexachlorobenzene	1.30		0.065	0.11	mg/Kg
1912-24-9	Atrazine	1.60		0.063	0.11	mg/Kg
87-86-5	Pentachlorophenol	2.10	E	0.073	0.22	mg/Kg
85-01-8	Phenanthrene	1.20		0.061	0.11	mg/Kg
120-12-7	Anthracene	1.20		0.067	0.11	mg/Kg
86-74-8	Carbazole	1.10		0.056	0.11	mg/Kg
84-74-2	Di-n-butylphthalate	1.30		0.068	0.11	mg/Kg
206-44-0	Fluoranthene	1.20		0.062	0.11	mg/Kg
129-00-0	Pyrene	1.10		0.055	0.11	mg/Kg
85-68-7	Butylbenzylphthalate	1.10		0.068	0.11	mg/Kg
91-94-1	3,3-Dichlorobenzidine	1.10		0.11	0.22	mg/Kg
56-55-3	Benzo(a)anthracene	1.20		0.055	0.11	mg/Kg
218-01-9	Chrysene	1.20		0.057	0.11	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1.20		0.075	0.11	mg/Kg
117-84-0	Di-n-octyl phthalate	1.40		0.081	0.22	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.40		0.053	0.11	mg/Kg
207-08-9	Benzo(k)fluoranthene	1.20		0.058	0.11	mg/Kg
50-32-8	Benzo(a)pyrene	1.20		0.062	0.11	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.90		0.070	0.11	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.91		0.063	0.11	mg/Kg

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WC-2MSD	SDG No.:	O5252
Lab Sample ID:	O5257-05MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136163.D	1	11/06/23 09:48	11/06/23 19:29	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	0.75		0.061	0.11	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1.20		0.059	0.11	mg/Kg
123-91-1	1,4-Dioxane	0.87		0.077	0.11	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1.10		0.054	0.11	mg/Kg
SURROGATES						
367-12-4	2-Fluorophenol	120		30 (18) - 130 (112)	80%	SPK: 150
13127-88-3	Phenol-d6	118		30 (15) - 130 (107)	79%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.3		30 (18) - 130 (107)	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	90.4		30 (20) - 130 (109)	90%	SPK: 100
118-79-6	2,4,6-Tribromophenol	127		30 (10) - 130 (110)	85%	SPK: 150
1718-51-0	Terphenyl-d14	75.3		30 (14) - 130 (112)	75%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	84700	6.822			
1146-65-2	Naphthalene-d8	331000	8.104			
15067-26-2	Acenaphthene-d10	166000	9.863			
1517-22-2	Phenanthrene-d10	271000	11.351			
1719-03-5	Chrysene-d12	171000	14.009			
1520-96-3	Perylene-d12	164000	15.498			

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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CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF103023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Oct 31 01:13:02 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BF136023.D 5 =BF136024.D 10 =BF136025.D 20 =BF136026.D 40 =BF136027.D 50 =BF136028.D 60 =BF136029.D 80 =BF1360
30.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	ISTD									
2)		1,4-Dioxane		0.541	0.518	0.583	0.551	0.547	0.565	0.574	0.554	3.97
3)		Pyridine		1.476	1.427	1.591	1.496	1.493	1.538	1.568	1.513	3.74
4)		n-Nitrosodimet...		0.594	0.613	0.651	0.628	0.628	0.649	0.663	0.632	3.78
5)	S	2-Fluorophenol		1.313	1.280	1.370	1.246	1.218	1.247	1.235	1.273	4.16
6)		Aniline		2.103	2.052	2.203	2.019	1.957	2.021	2.016	2.053	3.88
7)	S	Phenol-d6		1.668	1.574	1.704	1.565	1.504	1.542	1.543	1.586	4.59
8)		2-Chlorophenol		1.403	1.386	1.472	1.352	1.290	1.324	1.298	1.361	4.77
9)		Benzaldehyde		1.055	0.974	0.974	0.861	0.787	0.778	0.760	0.884	13.23
10)	C	Phenol		1.675	1.639	1.747	1.643	1.559	1.622	1.595	1.640	3.65
11)		bis(2-Chloroet...		1.328	1.271	1.384	1.260	1.217	1.269	1.259	1.284	4.27
12)		1,3-Dichlorobe...		1.531	1.394	1.521	1.380	1.334	1.380	1.375	1.416	5.46
13)	C	1,4-Dichlorobe...		1.490	1.435	1.522	1.398	1.343	1.376	1.371	1.419	4.66
14)		1,2-Dichlorobe...		1.398	1.373	1.450	1.307	1.251	1.276	1.234	1.327	6.12
15)		Benzyl Alcohol		1.140	1.147	1.232	1.123	1.081	1.089	1.059	1.124	5.11
16)		2,2'-oxybis(1-...		1.827	1.781	1.892	1.746	1.689	1.717	1.719	1.767	4.05
17)		2-Methylphenol		1.168	1.154	1.220	1.136	1.105	1.143	1.154	1.154	3.06
18)		Hexachloroethane		0.512	0.491	0.533	0.495	0.479	0.492	0.490	0.499	3.59
19)	P	n-Nitroso-di-n...	0.944	0.959	0.915	0.961	0.878	0.846	0.865	0.879	0.906	4.97
20)		3+4-Methylphenols		1.563	1.482	1.565	1.389	1.302	1.301	1.252	1.408	9.23
21)	I	Naphthalene-d8	ISTD									
22)		Acetophenone		0.492	0.465	0.485	0.442	0.408	0.412	0.401	0.443	8.52
23)	S	Nitrobenzene-d5		0.315	0.314	0.355	0.340	0.322	0.338	0.338	0.332	4.60
24)		Nitrobenzene		0.322	0.318	0.360	0.343	0.329	0.340	0.337	0.336	4.26
25)		Isophorone		0.627	0.612	0.657	0.622	0.601	0.621	0.644	0.626	3.02
26)	C	2-Nitrophenol		0.114	0.129	0.161	0.166	0.159	0.170	0.173	0.153	14.83
27)		2,4-Dimethylph...		0.286	0.284	0.309	0.295	0.276	0.287	0.288	0.289	3.56
28)		bis(2-Chloroet...		0.390	0.384	0.412	0.385	0.365	0.371	0.379	0.384	3.89
29)	C	2,4-Dichloroph...		0.265	0.261	0.295	0.280	0.263	0.274	0.271	0.273	4.30
30)		1,2,4-Trichlor...		0.306	0.296	0.320	0.300	0.283	0.290	0.288	0.298	4.23
31)		Naphthalene		1.022	0.975	1.047	0.966	0.914	0.928	0.899	0.964	5.76
32)		Benzoic acid			0.153	0.194	0.224	0.222	0.237	0.247	0.213	16.08
33)		4-Chloroaniline		0.436	0.418	0.454	0.425	0.403	0.413	0.408	0.422	4.20
34)	C	Hexachlorobuta...		0.174	0.166	0.185	0.173	0.163	0.166	0.166	0.171	4.38
35)		Caprolactam		0.082	0.081	0.094	0.091	0.088	0.091	0.094	0.089	6.10
36)	C	4-Chloro-3-met...		0.287	0.279	0.304	0.291	0.275	0.283	0.285	0.286	3.28
37)		2-Methylnaphth...		0.693	0.654	0.703	0.651	0.610	0.613	0.602	0.647	6.28
38)		1-Methylnaphth...		0.643	0.611	0.653	0.608	0.559	0.575	0.563	0.602	6.26

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.595	0.574	0.612	0.577	0.540	0.547	0.548	0.570	4.75
41)	P	Hexachlorocycl...	0.261	0.270	0.321	0.321	0.308	0.321	0.330	0.305	9.06
42)	S	2,4,6-Tribromo...	0.200	0.213	0.227	0.222	0.208	0.213	0.212	0.213	4.19
43)	C	2,4,6-Trichlor...	0.362	0.360	0.392	0.385	0.363	0.366	0.376	0.372	3.43
44)		2,4,5-Trichlor...	0.418	0.413	0.463	0.439	0.416	0.431	0.435	0.431	4.09
45)	S	2-Fluorobiphenyl	1.441	1.357	1.398	1.228	1.142	1.122	1.095	1.255	11.37
46)		1,1'-Biphenyl	1.633	1.575	1.645	1.537	1.431	1.437	1.415	1.525	6.42
47)		2-Chloronaphth...	1.163	1.145	1.202	1.136	1.064	1.074	1.083	1.124	4.61
48)		2-Nitroaniline	0.267	0.292	0.352	0.358	0.342	0.351	0.366	0.333	11.28
49)		Acenaphthylene	1.801	1.790	1.886	1.777	1.669	1.678	1.671	1.753	4.73
50)		Dimethylphthalate	1.372	1.318	1.402	1.330	1.247	1.268	1.298	1.319	4.17
51)		2,6-Dinitrotol...	0.239	0.256	0.293	0.300	0.284	0.295	0.308	0.282	8.95
52)	C	Acenaphthene	1.177	1.160	1.194	1.131	1.050	1.041	1.049	1.115	5.95
53)		3-Nitroaniline	0.283	0.301	0.349	0.344	0.326	0.344	0.358	0.329	8.36
54)	P	2,4-Dinitrophenol		0.071	0.103	0.129	0.133	0.147	0.158	0.123	25.71
55)		Dibenzofuran	1.719	1.677	1.760	1.642	1.522	1.527	1.529	1.625	6.13
56)	P	4-Nitrophenol	0.193	0.217	0.251	0.264	0.252	0.268	0.279	0.246	12.46
57)		2,4-Dinitrotol...	0.275	0.323	0.377	0.386	0.373	0.382	0.383	0.357	11.86
58)		Fluorene	1.337	1.277	1.338	1.214	1.130	1.129	1.093	1.217	8.44
59)		2,3,4,6-Tetrac...	0.343	0.336	0.356	0.351	0.333	0.336	0.341	0.342	2.47
60)		Diethylphthalate	1.287	1.258	1.335	1.290	1.206	1.217	1.231	1.260	3.66
61)		4-Chlorophenyl...	0.684	0.645	0.663	0.602	0.554	0.556	0.549	0.607	9.31
62)		4-Nitroaniline	0.264	0.286	0.330	0.338	0.325	0.329	0.346	0.317	9.50
63)		Azobenzene	1.249	1.211	1.308	1.231	1.154	1.167	1.178	1.214	4.43
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.062	0.090	0.109	0.104	0.112	0.118	0.099	20.71
66)	c	n-Nitrosodiphe...	0.625	0.608	0.642	0.624	0.565	0.583	0.576	0.603	4.79
67)		4-Bromophenyl-...	0.207	0.204	0.222	0.220	0.199	0.206	0.209	0.210	4.02
68)		Hexachlorobenzene	0.226	0.218	0.235	0.235	0.211	0.221	0.222	0.224	3.94
69)		Atrazine	0.176	0.173	0.180	0.165	0.152	0.157	0.146	0.164	7.77
70)	C	Pentachlorophenol	0.118	0.130	0.151	0.156	0.147	0.152	0.153	0.144	9.97
71)		Phenanthrene	1.079	1.031	1.083	1.038	0.935	0.948	0.935	1.007	6.56
72)		Anthracene	1.082	1.057	1.122	1.062	0.958	0.986	0.958	1.032	6.28
73)		Carbazole	0.919	0.904	0.960	0.937	0.845	0.858	0.854	0.897	5.02
74)		Di-n-butylphth...	1.042	1.033	1.110	1.065	0.967	0.982	0.974	1.025	5.20
75)	C	Fluoranthene	1.089	1.049	1.126	1.079	0.973	0.977	0.949	1.035	6.59
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.482	0.296	0.408	0.467	0.324	0.367	0.385	0.390	17.64
78)		Pyrene	1.608	1.562	1.770	1.894	1.680	1.865	1.966	1.763	8.67
79)	S	Terphenyl-d14	1.271	1.226	1.341	1.365	1.197	1.299	1.310	1.287	4.66
80)		Butylbenzylpht...	0.535	0.542	0.636	0.676	0.641	0.683	0.705	0.631	10.75
81)		Benzo(a)anthra...	1.290	1.276	1.400	1.389	1.267	1.307	1.340	1.324	4.05
82)		3,3'-Dichlorob...	0.375	0.392	0.439	0.453	0.426	0.426	0.448	0.423	6.89
83)		Chrysene	1.257	1.227	1.368	1.361	1.270	1.293	1.352	1.304	4.32
84)		Bis(2-ethylhex...	0.665	0.675	0.774	0.784	0.732	0.754	0.763	0.735	6.44
85)	c	Di-n-octyl pht...	0.928	0.972	1.105	1.154	1.143	1.158	1.250	1.102	10.26

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86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.052	1.058	1.300	1.444	1.336	1.458	1.502	1.307	14.21
88)		Benzo(b)fluora...	1.182	1.139	1.330	1.169	1.173	1.142	1.149	1.183	5.64
89)		Benzo(k)fluora...	1.192	1.232	1.254	1.176	1.123	1.095	1.125	1.171	5.10
90)	C	Benzo(a)pyrene	1.063	1.040	1.155	1.118	1.085	1.105	1.131	1.100	3.62
91)		Dibenzo(a,h)an...	0.856	0.871	1.085	1.184	1.097	1.184	1.217	1.071	13.93
92)		Benzo(g,h,i)pe...	0.885	0.870	1.096	1.235	1.139	1.235	1.275	1.105	15.14

(#) = Out of Range

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 08 02:12:01 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BF136168.D 5 =BF136169.D 10 =BF136170.D 20 =BF136171.D 40 =BF136172.D 50 =BF136173.D 60 =BF136174.D 80 =BF1361
75.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.471	0.481	0.515	0.507	0.492	0.524	0.530	0.503	4.44
3)		Pyridine		1.331	1.245	1.379	1.354	1.327	1.386	1.439	1.352	4.50
4)		n-Nitrosodimet...		0.590	0.559	0.640	0.621	0.611	0.644	0.674	0.620	6.14
5)	S	2-Fluorophenol		1.273	1.217	1.325	1.244	1.194	1.270	1.269	1.256	3.40
6)		Aniline		2.010	1.900	2.095	1.942	1.869	1.960	1.938	1.959	3.81
7)	S	Phenol-d6		1.609	1.488	1.638	1.530	1.476	1.533	1.546	1.546	3.83
8)		2-Chlorophenol		1.412	1.319	1.452	1.337	1.287	1.327	1.331	1.352	4.29
9)		Benzaldehyde		1.035	0.925	0.979	0.859	0.801	0.827	0.830	0.894	9.83
10)	C	Phenol		1.720	1.670	1.823	1.678	1.635	1.650	1.641	1.688	3.91
11)		bis(2-Chloroet...		1.308	1.199	1.307	1.227	1.176	1.233	1.234	1.241	4.05
12)		1,3-Dichlorobe...		1.470	1.362	1.496	1.427	1.380	1.411	1.438	1.426	3.33
13)	C	1,4-Dichlorobe...		1.474	1.386	1.500	1.414	1.374	1.427	1.436	1.430	3.15
14)		1,2-Dichlorobe...		1.436	1.321	1.427	1.320	1.283	1.312	1.312	1.344	4.54
15)		Benzyl Alcohol		1.168	1.120	1.240	1.153	1.123	1.154	1.135	1.156	3.53
16)		2,2'-oxybis(1-...		1.709	1.580	1.714	1.601	1.548	1.594	1.599	1.621	3.99
17)		2-Methylphenol		1.181	1.081	1.184	1.115	1.080	1.120	1.137	1.128	3.77
18)		Hexachloroethane		0.533	0.497	0.557	0.517	0.502	0.521	0.527	0.522	3.86
19)	P	n-Nitroso-di-n...	0.897	0.927	0.879	0.953	0.870	0.851	0.880	0.883	0.892	3.67
20)		3+4-Methylphenols		1.566	1.402	1.521	1.381	1.328	1.331	1.327	1.408	6.93
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.485	0.458	0.482	0.464	0.439	0.451	0.454	0.462	3.61
23)	S	Nitrobenzene-d5		0.352	0.335	0.372	0.367	0.354	0.362	0.367	0.358	3.53
24)		Nitrobenzene		0.341	0.330	0.360	0.357	0.346	0.347	0.361	0.349	3.24
25)		Isophorone		0.603	0.584	0.637	0.633	0.612	0.622	0.639	0.619	3.26
26)	C	2-Nitrophenol		0.145	0.151	0.176	0.182	0.174	0.177	0.180	0.169	8.71
27)		2,4-Dimethylph...		0.268	0.270	0.297	0.297	0.279	0.288	0.288	0.284	4.18
28)		bis(2-Chloroet...		0.366	0.355	0.392	0.378	0.365	0.377	0.377	0.373	3.19
29)	C	2,4-Dichloroph...		0.264	0.266	0.290	0.288	0.270	0.279	0.280	0.277	3.81
30)		1,2,4-Trichlor...		0.309	0.299	0.319	0.315	0.299	0.306	0.311	0.308	2.48
31)		Naphthalene		1.005	0.961	1.033	1.007	0.949	0.975	0.966	0.985	3.07
32)		Benzoic acid			0.134	0.179	0.202	0.208	0.208	0.225	0.193	16.66
33)		4-Chloroaniline		0.397	0.390	0.429	0.429	0.397	0.409	0.408	0.409	3.80
34)	C	Hexachlorobuta...		0.190	0.176	0.195	0.194	0.185	0.186	0.186	0.187	3.45
35)		Caprolactam		0.075	0.074	0.083	0.084	0.082	0.082	0.080	0.080	5.02
36)	C	4-Chloro-3-met...		0.276	0.274	0.305	0.306	0.288	0.293	0.292	0.291	4.32
37)		2-Methylnaphth...		0.677	0.644	0.694	0.677	0.637	0.647	0.647	0.661	3.32
38)		1-Methylnaphth...		0.627	0.600	0.643	0.628	0.589	0.600	0.602	0.613	3.20

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.608	0.587	0.622	0.618	0.554	0.595	0.612	0.599	3.91
41)	P	Hexachlorocycl...	0.234	0.263	0.311	0.338	0.314	0.342	0.362	0.309	14.82
42)	S	2,4,6-Tribromo...	0.204	0.199	0.222	0.226	0.202	0.208	0.204	0.209	5.05
43)	C	2,4,6-Trichlor...	0.361	0.357	0.387	0.397	0.357	0.381	0.388	0.375	4.49
44)		2,4,5-Trichlor...	0.431	0.396	0.438	0.456	0.417	0.441	0.447	0.432	4.66
45)	S	2-Fluorobiphenyl	1.459	1.361	1.438	1.377	1.245	1.277	1.314	1.353	5.88
46)		1,1'-Biphenyl	1.633	1.544	1.655	1.625	1.462	1.524	1.543	1.569	4.45
47)		2-Chloronaphth...	1.146	1.131	1.203	1.190	1.077	1.124	1.159	1.147	3.70
48)		2-Nitroaniline	0.324	0.322	0.364	0.375	0.338	0.357	0.368	0.350	6.22
49)		Acenaphthylene	1.789	1.721	1.853	1.841	1.678	1.753	1.759	1.771	3.54
50)		Dimethylphthalate	1.367	1.317	1.436	1.410	1.279	1.318	1.332	1.351	4.14
51)		2,6-Dinitrotol...	0.271	0.278	0.308	0.315	0.285	0.294	0.301	0.293	5.45
52)	C	Acenaphthene	1.139	1.138	1.229	1.244	1.128	1.186	1.192	1.179	3.91
53)		3-Nitroaniline	0.286	0.294	0.329	0.339	0.308	0.315	0.318	0.313	5.99
54)	P	2,4-Dinitrophenol		0.070	0.103	0.135	0.127	0.135	0.147	0.120	23.60
55)		Dibenzofuran	1.676	1.619	1.717	1.719	1.538	1.599	1.610	1.640	4.07
56)	P	4-Nitrophenol	0.159	0.174	0.220	0.235	0.219	0.218	0.229	0.208	13.96
57)		2,4-Dinitrotol...	0.336	0.355	0.395	0.410	0.361	0.377	0.372	0.372	6.69
58)		Fluorene	1.288	1.264	1.336	1.299	1.152	1.188	1.185	1.244	5.57
59)		2,3,4,6-Tetrac...	0.305	0.307	0.356	0.354	0.320	0.325	0.326	0.328	6.26
60)		Diethylphthalate	1.528	1.381	1.432	1.395	1.245	1.260	1.249	1.356	8.01
61)		4-Chlorophenyl...	0.671	0.633	0.687	0.658	0.576	0.605	0.598	0.633	6.56
62)		4-Nitroaniline	0.263	0.257	0.299	0.321	0.282	0.283	0.289	0.285	7.53
63)		Azobenzene	1.183	1.155	1.252	1.266	1.119	1.175	1.153	1.186	4.55
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.075	0.099	0.114	0.111	0.116	0.122	0.106	16.02
66)	c	n-Nitrosodiphe...	0.614	0.602	0.660	0.655	0.599	0.644	0.668	0.635	4.57
67)		4-Bromophenyl-...	0.211	0.204	0.229	0.236	0.215	0.228	0.236	0.223	5.68
68)		Hexachlorobenzene	0.227	0.225	0.240	0.247	0.229	0.238	0.249	0.236	4.19
69)		Atrazine	0.179	0.165	0.176	0.162	0.149	0.151	0.143	0.161	8.65
70)	C	Pentachlorophenol	0.101	0.112	0.135	0.148	0.136	0.142	0.152	0.132	14.14
71)		Phenanthrene	1.035	1.002	1.081	1.064	0.962	1.000	1.025	1.024	3.96
72)		Anthracene	1.043	1.007	1.101	1.089	0.995	1.030	1.052	1.045	3.75
73)		Carbazole	0.826	0.802	0.897	0.886	0.798	0.816	0.840	0.838	4.68
74)		Di-n-butylphth...	0.990	0.952	1.052	1.057	0.970	0.950	0.966	0.991	4.55
75)	C	Fluoranthene	0.963	0.908	1.003	1.008	0.897	0.874	0.896	0.935	5.89
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.424	0.381	0.375	0.291	0.299	0.307	0.346	15.79
78)		Pyrene	1.866	1.841	2.075	1.958	1.789	1.791	1.773	1.870	5.89
79)	S	Terphenyl-d14	1.455	1.428	1.600	1.462	1.314	1.323	1.281	1.409	7.91
80)		Butylbenzylpht...	0.538	0.523	0.640	0.659	0.607	0.589	0.615	0.596	8.38
81)		Benzo(a)anthra...	1.264	1.236	1.387	1.387	1.289	1.327	1.396	1.327	4.94
82)		3,3'-Dichlorob...	0.361	0.367	0.427	0.464	0.432	0.450	0.481	0.426	10.81
83)		Chrysene	1.252	1.201	1.346	1.345	1.250	1.293	1.396	1.298	5.26
84)		Bis(2-ethylhex...	0.669	0.641	0.737	0.794	0.736	0.714	0.744	0.719	7.05
85)	c	Di-n-octyl pht...		0.916	1.101	1.286	1.214	1.282	1.427	1.204	14.67

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110723.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.261	1.372	1.568	1.510	1.434	1.546	1.567	1.465	7.91
88)		Benzo(b)fluora...	1.060	1.021	1.129	1.171	1.071	1.092	1.184	1.104	5.42
89)		Benzo(k)fluora...	1.073	1.046	1.196	1.161	1.068	1.122	1.116	1.112	4.83
90)	C	Benzo(a)pyrene	0.963	1.013	1.138	1.143	1.076	1.125	1.165	1.089	6.94
91)		Dibenzo(a,h)an...	1.063	1.143	1.304	1.253	1.195	1.265	1.278	1.214	7.07
92)		Benzo(g,h,i)pe...	1.067	1.170	1.331	1.255	1.208	1.290	1.298	1.231	7.39

(#) = Out of Range

Response Factor Report gcms1

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM103023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Oct 31 02:55:18 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BM042488.D 5 =BM042489.D 10 =BM042490.D 20 =BM042491.D 40 =BM042492.D 50 =BM042493.D 60 =BM042494.D 80 =BM0424
95.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.585	0.580	0.630	0.585	0.570	0.594	0.590	0.591	3.25
3)		Pyridine		1.666	1.580	1.781	1.681	1.674	1.709	1.767	1.694	4.00
4)		n-Nitrosodimet...		0.783	0.744	0.841	0.812	0.808	0.840	0.878	0.815	5.36
5)	S	2-Fluorophenol		1.147	1.153	1.298	1.240	1.243	1.273	1.321	1.239	5.44
6)		Aniline		1.951	1.957	2.253	2.188	2.191	2.240	2.344	2.160	6.95
7)	S	Phenol-d6		1.520	1.550	1.786	1.717	1.715	1.770	1.838	1.700	7.07
8)		2-Chlorophenol		1.255	1.216	1.398	1.330	1.349	1.371	1.435	1.336	5.80
9)		Benzaldehyde		1.137	1.043	1.068	0.954	0.911	0.877	0.867	0.980	10.64
10)	C	Phenol		1.590	1.581	1.811	1.723	1.737	1.773	1.868	1.726	6.23
11)		bis(2-Chloroet...		1.403	1.399	1.517	1.439	1.447	1.489	1.526	1.460	3.55
12)		1,3-Dichlorobe...		1.420	1.362	1.505	1.421	1.414	1.468	1.520	1.444	3.86
13)	C	1,4-Dichlorobe...		1.455	1.368	1.523	1.428	1.443	1.470	1.543	1.462	4.01
14)		1,2-Dichlorobe...		1.387	1.343	1.455	1.383	1.389	1.434	1.487	1.411	3.50
15)		Benzyl Alcohol		0.933	1.010	1.184	1.256	1.273	1.328	1.437	1.203	14.73
16)		2,2'-oxybis(1-...		2.316	2.191	2.408	2.286	2.286	2.349	2.431	2.324	3.51
17)		2-Methylphenol		1.102	1.094	1.250	1.232	1.245	1.284	1.348	1.222	7.61
18)		Hexachloroethane		0.542	0.515	0.594	0.565	0.570	0.596	0.622	0.572	6.32
19)	P	n-Nitroso-di-n...	0.986	1.080	1.102	1.262	1.245	1.271	1.300	1.371	1.202	10.88
20)		3+4-Methylphenols		1.370	1.413	1.687	1.681	1.688	1.751	1.850	1.634	10.80
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.448	0.469	0.517	0.525	0.497	0.522	0.553	0.504	7.09
23)	S	Nitrobenzene-d5		0.365	0.384	0.436	0.453	0.430	0.455	0.480	0.429	9.52
24)		Nitrobenzene		0.368	0.380	0.440	0.444	0.420	0.442	0.463	0.423	8.39
25)		Isophorone		0.668	0.662	0.757	0.805	0.764	0.800	0.860	0.759	9.56
26)	C	2-Nitrophenol		0.120	0.132	0.158	0.175	0.167	0.180	0.192	0.161	16.23
27)		2,4-Dimethylph...		0.250	0.258	0.299	0.307	0.291	0.305	0.324	0.291	9.31
28)		bis(2-Chloroet...		0.408	0.411	0.471	0.481	0.458	0.474	0.499	0.457	7.63
29)	C	2,4-Dichloroph...		0.235	0.246	0.288	0.310	0.295	0.308	0.331	0.287	12.10
30)		1,2,4-Trichlor...		0.291	0.290	0.322	0.327	0.309	0.323	0.343	0.315	6.21
31)		Naphthalene		0.966	0.958	1.054	1.075	1.007	1.060	1.113	1.033	5.61
32)		Benzoic acid			0.157	0.211	0.230	0.226	0.248		0.215	16.17
33)		4-Chloroaniline		0.305	0.343	0.402	0.446	0.419	0.439	0.467	0.403	14.54
34)	C	Hexachlorobuta...		0.178	0.171	0.191	0.196	0.189	0.201	0.212	0.191	7.18
35)		Caprolactam			0.077	0.093	0.108	0.102	0.108	0.118	0.101	13.98
36)	C	4-Chloro-3-met...		0.263	0.280	0.323	0.353	0.336	0.353	0.382	0.327	12.97
37)		2-Methylnaphth...		0.663	0.654	0.736	0.766	0.719	0.752	0.805	0.728	7.48
38)		1-Methylnaphth...		0.621	0.620	0.693	0.717	0.679	0.706	0.759	0.685	7.39

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM103023.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.539	0.540	0.604	0.616	0.589	0.622	0.672	0.597	7.89
41)	P	Hexachlorocycl...		0.225	0.285	0.316	0.311	0.344	0.373	0.309	16.53
42)	S	2,4,6-Tribromo...		0.203	0.251	0.272	0.261	0.278	0.302	0.261	12.82
43)	C	2,4,6-Trichlor...	0.309	0.329	0.388	0.408	0.386	0.413	0.445	0.383	12.55
44)		2,4,5-Trichlor...	0.384	0.393	0.458	0.485	0.458	0.483	0.526	0.455	11.21
45)	S	2-Fluorobiphenyl	1.372	1.363	1.514	1.537	1.454	1.536	1.628	1.486	6.46
46)		1,1'-Biphenyl	1.411	1.400	1.561	1.602	1.496	1.567	1.664	1.529	6.41
47)		2-Chloronaphth...	1.018	1.047	1.148	1.177	1.097	1.148	1.216	1.122	6.32
48)		2-Nitroaniline	0.252	0.296	0.375	0.444	0.421	0.449	0.490	0.390	22.36
49)		Acenaphthylene	1.626	1.651	1.902	1.977	1.856	1.930	2.060	1.857	8.76
50)		Dimethylphthalate	1.336	1.355	1.522	1.589	1.472	1.543	1.648	1.495	7.77
51)		2,6-Dinitrotol...	0.248	0.262	0.312	0.334	0.315	0.332	0.353	0.308	12.67
52)	C	Acenaphthene	1.028	1.019	1.150	1.184	1.115	1.158	1.237	1.127	7.11
53)		3-Nitroaniline	0.182	0.216	0.295	0.335	0.322	0.348	0.372	0.296	24.02
54)	P	2,4-Dinitrophenol		0.101	0.149	0.195	0.187	0.207	0.227	0.177	25.69
55)		Dibenzofuran	1.644	1.661	1.868	1.929	1.809	1.894	2.025	1.833	7.62
56)	P	4-Nitrophenol		0.142	0.207	0.250	0.242	0.267	0.290	0.233	22.52
57)		2,4-Dinitrotol...	0.274	0.321	0.407	0.456	0.434	0.462	0.504	0.408	20.19
58)		Fluorene	1.305	1.336	1.493	1.580	1.472	1.548	1.647	1.483	8.45
59)		2,3,4,6-Tetrac...	0.317	0.334	0.388	0.410	0.385	0.409	0.441	0.384	11.46
60)		Diethylphthalate	1.305	1.327	1.547	1.629	1.519	1.586	1.688	1.514	9.65
61)		4-Chlorophenyl...	0.645	0.651	0.751	0.793	0.747	0.794	0.862	0.749	10.50
62)		4-Nitroaniline	0.103	0.154	0.238	0.295	0.286	0.314	0.338	0.247	35.45
63)		Azobenzene	1.331	1.442	1.725	1.831	1.711	1.780	1.862	1.669	12.14
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.078	0.105	0.126	0.121	0.129	0.140	0.117	18.93
66)	c	n-Nitrosodiphe...	0.491	0.505	0.571	0.606	0.564	0.586	0.625	0.564	8.80
67)		4-Bromophenyl-...	0.171	0.174	0.197	0.214	0.199	0.211	0.233	0.200	11.00
68)		Hexachlorobenzene	0.198	0.197	0.220	0.235	0.219	0.230	0.249	0.221	8.53
69)		Atrazine	0.146	0.154	0.171	0.173	0.161	0.167	0.167	0.163	5.97
70)	C	Pentachlorophenol		0.127	0.151	0.170	0.163	0.175	0.190	0.163	13.25
71)		Phenanthrene	0.944	0.942	1.047	1.116	1.031	1.077	1.158	1.045	7.81
72)		Anthracene	0.881	0.893	1.027	1.133	1.042	1.093	1.178	1.035	10.96
73)		Carbazole	0.666	0.728	0.838	0.975	0.901	0.945		0.842	14.62
74)		Di-n-butylphth...	0.934	1.000	1.183	1.302	1.219	1.271	1.370	1.183	13.53
75)	C	Fluoranthene	1.009	1.067	1.216	1.329	1.235	1.312	1.425	1.228	11.99
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.187	0.205	0.197	0.196	0.171	0.197	0.190	0.192	5.68
78)		Pyrene	1.173	1.149	1.321	1.436	1.428	1.496	1.610	1.373	12.31
79)	S	Terphenyl-d14	0.946	0.958	1.143	1.267	1.243	1.308	1.392	1.180	14.62
80)		Butylbenzylpht...	0.470	0.472	0.578	0.634	0.625	0.635	0.692	0.587	14.62
81)		Benzo(a)anthra...	1.097	1.111	1.258	1.319	1.276	1.360	1.486	1.273	10.75
82)		3,3'-Dichlorob...	0.330	0.362	0.410	0.438	0.408	0.431	0.452	0.404	10.87
83)		Chrysene	1.212	1.205	1.293	1.333	1.265	1.312	1.428	1.293	5.94
84)		Bis(2-ethylhex...	0.767	0.791	0.895	0.933	0.886	0.933	0.999	0.886	9.26
85)	c	Di-n-octyl pht...	1.376	1.402	1.561	1.577	1.514	1.568	1.683	1.526	6.99

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM103023.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	0.989	0.957	1.144	1.243	1.257	1.328	1.414	1.190	14.29
88)		Benzo(b)fluora...	0.920	0.971	1.059	1.163	1.151	1.232	1.304	1.114	12.40
89)		Benzo(k)fluora...	1.162	1.093	1.233	1.237	1.240	1.312	1.414	1.242	8.28
90)	C	Benzo(a)pyrene	0.871	0.977	1.095	1.141	1.124	1.202	1.268	1.097	12.25
91)		Dibenzo(a,h)an...	0.709	0.755	0.962	1.036	1.020	1.086	1.199	0.967	18.26
92)		Benzo(g,h,i)pe...	0.896	0.912	1.040	1.065	1.080	1.146	1.205	1.049	10.80

(#) = Out of Range

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: 05252 SAS No.: 05252 SDG No.: 05252

Instrument ID: BNA_F Calibration Date/Time: 11/06/2023 12:01

Lab File ID: BF136149.D Init. Calib. Date(s): 10/30/2023 10/30/2023

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:02 15:51

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.273	1.234		-3.1	
Benzaldehyde	0.884	0.876		-0.9	
Phenol-d6	1.586	1.540		-2.9	
Phenol	1.640	1.577		-3.8	20.0
bis(2-Chloroethyl)ether	1.284	1.216		-5.3	
2-Chlorophenol	1.361	1.326		-2.6	
2-Methylphenol	1.154	1.114		-3.5	
2,2-oxybis(1-Chloropropane)	1.767	1.622		-8.2	
Acetophenone	0.443	0.452		2.0	
3+4-Methylphenols	1.408	1.371		-2.6	
n-Nitroso-di-n-propylamine	0.906	0.869	0.050	-4.1	
Nitrobenzene-d5	0.332	0.361		8.7	
Hexachloroethane	0.499	0.510		2.2	
Nitrobenzene	0.336	0.355		5.7	
Isophorone	0.626	0.631		0.8	
2-Nitrophenol	0.153	0.177		15.7	20.0
2,4-Dimethylphenol	0.289	0.293		1.4	
bis(2-Chloroethoxy)methane	0.384	0.378		-1.6	
2,4-Dichlorophenol	0.273	0.286		4.8	20.0
Naphthalene	0.964	0.994		3.1	
4-Chloroaniline	0.422	0.427		1.2	
Hexachlorobutadiene	0.171	0.186		8.8	20.0
Caprolactam	0.089	0.090		1.1	
4-Chloro-3-methylphenol	0.286	0.304		6.3	20.0
2-Methylnaphthalene	0.647	0.672		3.9	
Hexachlorocyclopentadiene	0.305	0.322	0.050	5.6	
2,4,6-Trichlorophenol	0.372	0.385		3.5	20.0
2-Fluorobiphenyl	1.255	1.326		5.7	
2,4,5-Trichlorophenol	0.431	0.457		6.0	
1,1-Biphenyl	1.525	1.587		4.1	
2-Chloronaphthalene	1.124	1.175		4.5	
2-Nitroaniline	0.333	0.383		15.0	
Dimethylphthalate	1.319	1.394		5.7	
Acenaphthylene	1.753	1.834		4.6	
2,6-Dinitrotoluene	0.282	0.317		12.4	
3-Nitroaniline	0.329	0.351		6.7	
Acenaphthene	1.115	1.149		3.0	20.0
2,4-Dinitrophenol	0.123	0.138	0.050	12.2	
4-Nitrophenol	0.246	0.255	0.050	3.7	
Dibenzofuran	1.625	1.706		5.0	
2,4-Dinitrotoluene	0.357	0.417		16.8	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: 05252 SAS No.: 05252 SDG No.: 05252

Instrument ID: BNA_F Calibration Date/Time: 11/06/2023 12:01

Lab File ID: BF136149.D Init. Calib. Date(s): 10/30/2023 10/30/2023

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:02 15:51

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Diethylphthalate	1.260	1.418		12.5	
4-Chlorophenyl-phenylether	0.607	0.642		5.8	
Fluorene	1.217	1.294		6.3	
4-Nitroaniline	0.317	0.331		4.4	
4,6-Dinitro-2-methylphenol	0.099	0.115		16.2	
n-Nitrosodiphenylamine	0.603	0.624		3.5	20.0
2,4,6-Tribromophenol	0.213	0.230		8.0	
4-Bromophenyl-phenylether	0.210	0.227		8.1	
Hexachlorobenzene	0.224	0.238		6.3	
Atrazine	0.164	0.161		-1.8	
Pentachlorophenol	0.144	0.150		4.2	20.0
Phenanthrene	1.007	1.046		3.9	
Anthracene	1.032	1.095		6.1	
Carbazole	0.897	0.920		2.6	
Di-n-butylphthalate	1.025	1.097		7.0	
Fluoranthene	1.035	1.057		2.1	20.0
Pyrene	1.763	2.060		16.8	
Terphenyl-d14	1.287	1.521		18.2	
Butylbenzylphthalate	0.631	0.713		13.0	
3,3-Dichlorobenzidine	0.423	0.447		5.7	
Benzo(a)anthracene	1.324	1.394		5.3	
Chrysene	1.304	1.333		2.2	
Bis(2-ethylhexyl)phthalate	0.735	0.779		6.0	
Di-n-octyl phthalate	1.102	1.114		1.1	20.0
Benzo(b)fluoranthene	1.183	1.176		-0.6	
Benzo(k)fluoranthene	1.171	1.072		-8.5	
Benzo(a)pyrene	1.100	1.110		0.9	20.0
Indeno(1,2,3-cd)pyrene	1.307	1.535		17.4	
Dibenzo(a,h)anthracene	1.071	1.263		17.9	
Benzo(g,h,i)perylene	1.105	1.276		15.5	
1,2,4,5-Tetrachlorobenzene	0.570	0.601		5.4	
1,4-Dioxane	0.554	0.512		-7.6	20.0
2,3,4,6-Tetrachlorophenol	0.342	0.362		5.8	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: 05252 SAS No.: 05252 SDG No.: 05252

Instrument ID: BNA_M Calibration Date/Time: 11/10/2023 11:22

Lab File ID: BM042685.D Init. Calib. Date(s): 10/30/2023 10/30/2023

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:04 15:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.239	1.163		-6.1	
Benzaldehyde	0.980	1.175		19.9	
Phenol-d6	1.700	1.798		5.8	
Phenol	1.726	1.724		-0.1	20.0
bis(2-Chloroethyl)ether	1.460	1.455		-0.3	
2-Chlorophenol	1.336	1.337		0.1	
2-Methylphenol	1.222	1.303		6.6	
2,2-oxybis(1-Chloropropane)	2.325	2.460		5.8	
Acetophenone	0.504	0.539		6.9	
3+4-Methylphenols	1.634	1.835		12.3	
n-Nitroso-di-n-propylamine	1.202	1.519	0.050	26.4	
Nitrobenzene-d5	0.429	0.496		15.6	
Hexachloroethane	0.572	0.635		11.0	
Nitrobenzene	0.423	0.469		10.9	
Isophorone	0.759	0.909		19.8	
2-Nitrophenol	0.161	0.187		16.1	20.0
2,4-Dimethylphenol	0.291	0.290		-0.3	
bis(2-Chloroethoxy)methane	0.457	0.475		3.9	
2,4-Dichlorophenol	0.287	0.333		16.0	20.0
Naphthalene	1.033	1.074		4.0	
4-Chloroaniline	0.403	0.441		9.4	
Hexachlorobutadiene	0.191	0.262		37.2	20.0
Caprolactam	0.101	0.100		-1.0	
4-Chloro-3-methylphenol	0.327	0.379		15.9	20.0
2-Methylnaphthalene	0.728	0.818		12.4	
Hexachlorocyclopentadiene	0.309	0.430	0.050	39.2	
2,4,6-Trichlorophenol	0.383	0.433		13.1	20.0
2-Fluorobiphenyl	1.486	1.763		18.6	
2,4,5-Trichlorophenol	0.455	0.519		14.1	
1,1-Biphenyl	1.529	1.587		3.8	
2-Chloronaphthalene	1.122	1.144		2.0	
2-Nitroaniline	0.390	0.443		13.6	
Dimethylphthalate	1.495	1.621		8.4	
Acenaphthylene	1.857	1.949		5.0	
2,6-Dinitrotoluene	0.308	0.330		7.1	
3-Nitroaniline	0.296	0.287		-3.0	
Acenaphthene	1.127	1.154		2.4	20.0
2,4-Dinitrophenol	0.177	0.157	0.050	-11.3	
4-Nitrophenol	0.233	0.208	0.050	-10.7	
Dibenzofuran	1.833	1.994		8.8	
2,4-Dinitrotoluene	0.408	0.479		17.4	

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: 05252 SAS No.: 05252 SDG No.: 05252

Instrument ID: BNA_M Calibration Date/Time: 11/10/2023 11:22

Lab File ID: BM042685.D Init. Calib. Date(s): 10/30/2023 10/30/2023

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:04 15:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Diethylphthalate	1.514	1.657		9.4	
4-Chlorophenyl-phenylether	0.749	0.920		22.8	
Fluorene	1.483	1.643		10.8	
4-Nitroaniline	0.247	0.258		4.5	
4,6-Dinitro-2-methylphenol	0.117	0.125		6.8	
n-Nitrosodiphenylamine	0.564	0.634		12.4	20.0
2,4,6-Tribromophenol	0.261	0.317		21.5	
4-Bromophenyl-phenylether	0.200	0.252		26.0	
Hexachlorobenzene	0.221	0.272		23.1	
Atrazine	0.163	0.169		3.7	
Pentachlorophenol	0.163	0.169		3.7	20.0
Phenanthrene	1.045	1.082		3.5	
Anthracene	1.035	1.118		8.0	
Carbazole	0.842	0.862		2.4	
Di-n-butylphthalate	1.183	1.321		11.7	
Fluoranthene	1.228	1.212		-1.3	20.0
Pyrene	1.373	1.573		14.6	
Terphenyl-d14	1.180	1.570		33.1	
Butylbenzylphthalate	0.587	0.674		14.8	
3,3-Dichlorobenzidine	0.404	0.469		16.1	
Benzo(a)anthracene	1.273	1.359		6.8	
Chrysene	1.293	1.328		2.7	
Bis(2-ethylhexyl)phthalate	0.886	1.014		14.4	
Di-n-octyl phthalate	1.526	1.584		3.8	20.0
Benzo(b)fluoranthene	1.114	1.127		1.2	
Benzo(k)fluoranthene	1.242	1.242		0.0	
Benzo(a)pyrene	1.097	1.133		3.3	20.0
Indeno(1,2,3-cd)pyrene	1.190	1.370		15.1	
Dibenzo(a,h)anthracene	0.967	1.164		20.4	
Benzo(g,h,i)perylene	1.049	1.087		3.6	
1,2,4,5-Tetrachlorobenzene	0.597	0.691		15.7	
1,4-Dioxane	0.591	0.515		-12.9	20.0
2,3,4,6-Tetrachlorophenol	0.384	0.432		12.5	

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH

A
B
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D
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I
J
K

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042698.D
Acq On : 10 Nov 2023 19:10
Operator : MA/JU
Sample : 05252-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WASTE

Quant Time: Nov 10 23:04:46 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 09 13:21:00 2023
Response via : Initial Calibration

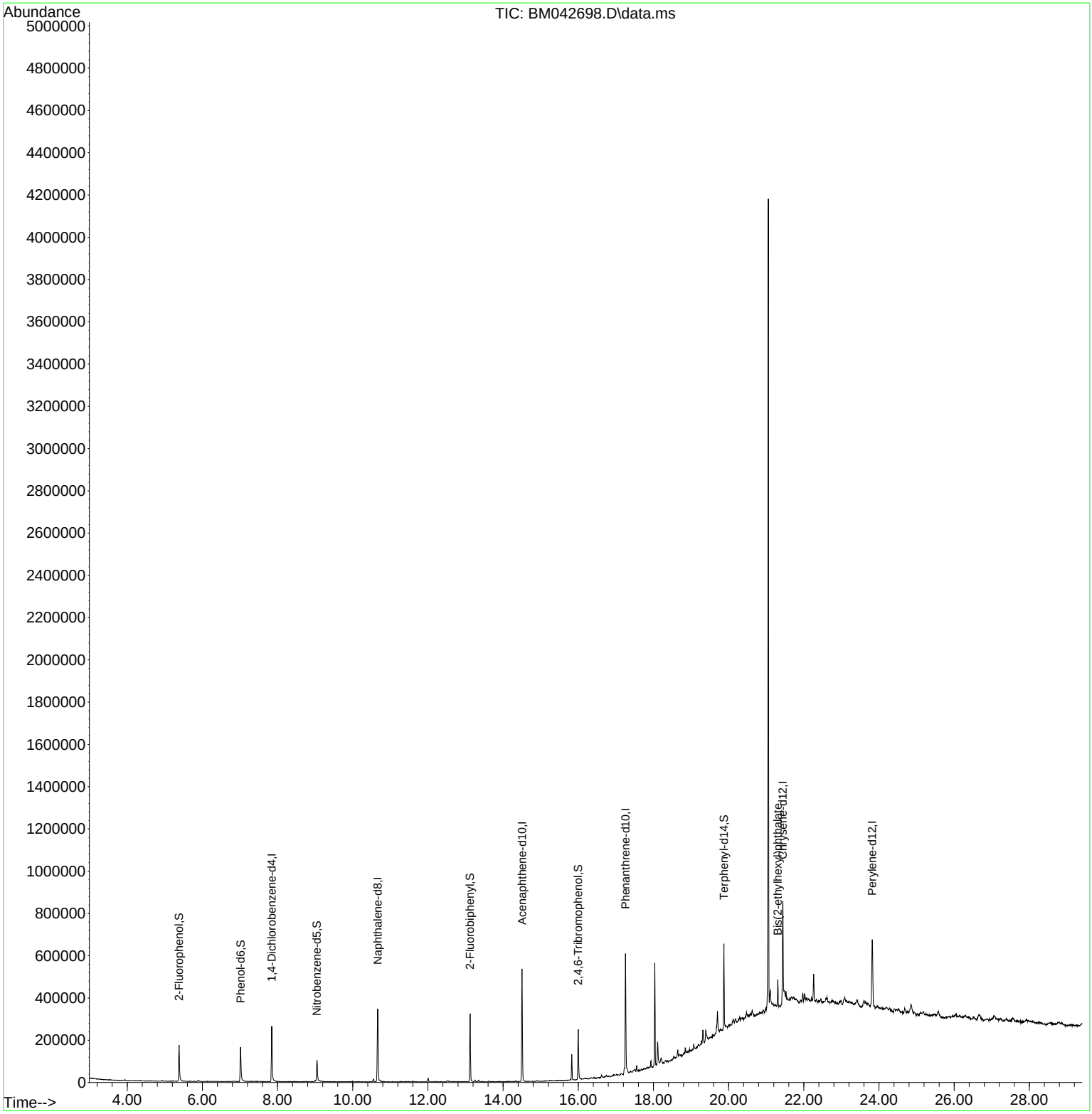
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.846	152	62722	20.000	ng	0.00
21) Naphthalene-d8	10.663	136	245261	20.000	ng	0.00
39) Acenaphthene-d10	14.504	164	160144	20.000	ng	0.00
64) Phenanthrene-d10	17.257	188	307838	20.000	ng	# 0.00
76) Chrysene-d12	21.439	240	232800	20.000	ng	0.00
86) Perylene-d12	23.821	264	261247	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	67095	17.264	ng	0.00
7) Phenol-d6	7.016	99	86544	16.237	ng	0.00
23) Nitrobenzene-d5	9.045	82	63759	12.119	ng	0.00
42) 2,4,6-Tribromophenol	15.998	330	38753	18.535	ng	0.00
45) 2-Fluorobiphenyl	13.122	172	149455	12.558	ng	0.00
79) Terphenyl-d14	19.874	244	175307	12.769	ng	0.00
Target Compounds						Qvalue
84) Bis(2-ethylhexyl)phtha...	21.309	149	38787	3.759	ng	99

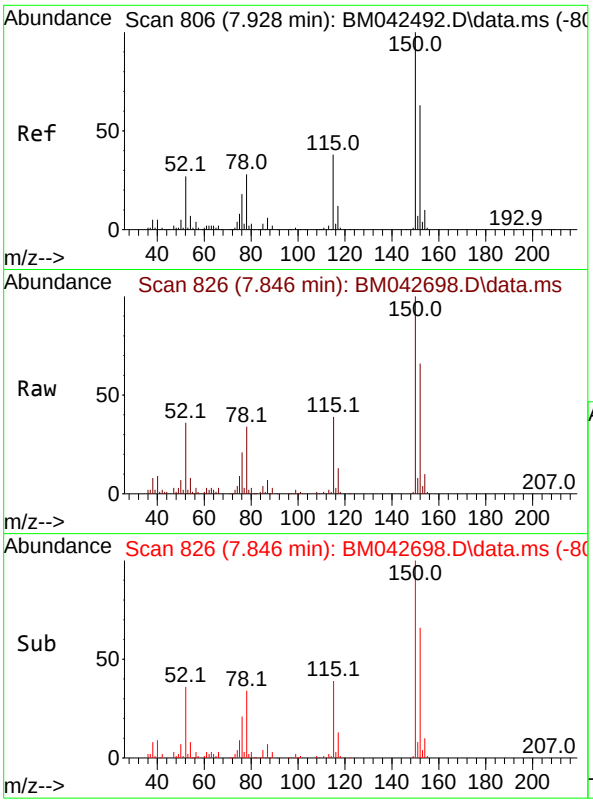
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042698.D
Acq On : 10 Nov 2023 19:10
Operator : MA/JU
Sample : 05252-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WASTE

Quant Time: Nov 10 23:04:46 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 09 13:21:00 2023
Response via : Initial Calibration



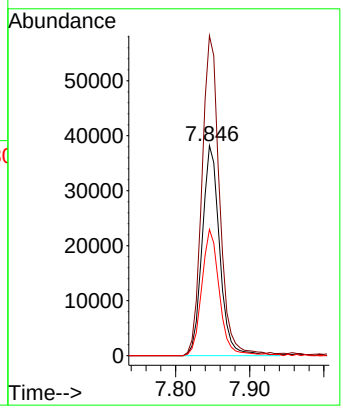


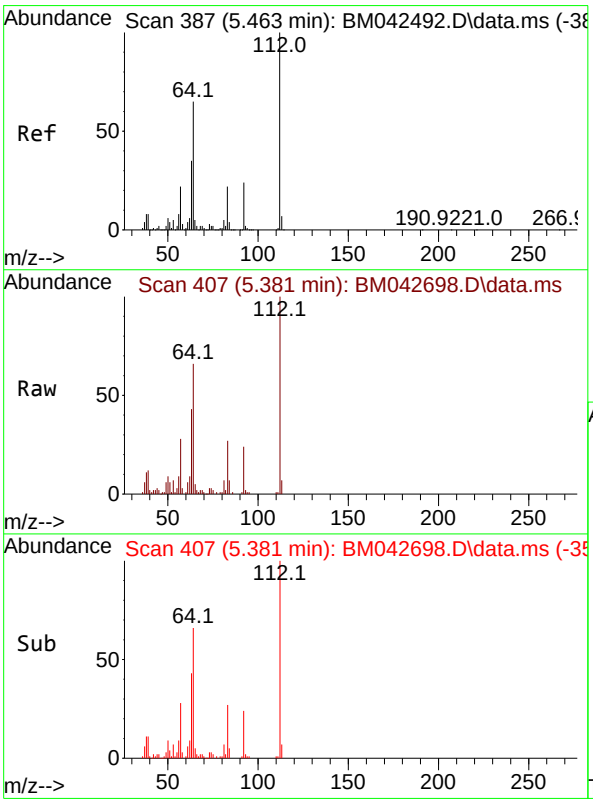
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.846 min Scan# 8
Delta R.T. 0.001 min
Lab File: BM042698.D
Acq: 10 Nov 2023 19:10

Instrument :
BNA_M
ClientSampleId :
WASTE

Tgt Ion:152 Resp: 62722

Ion	Ratio	Lower	Upper
152	100		
150	152.4	127.4	191.0
115	60.1	47.9	71.9

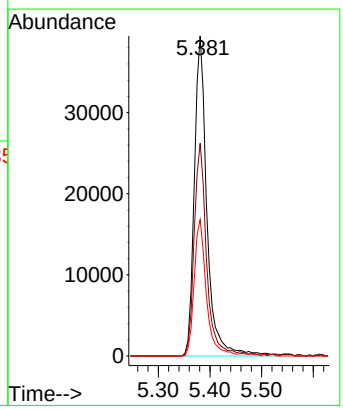


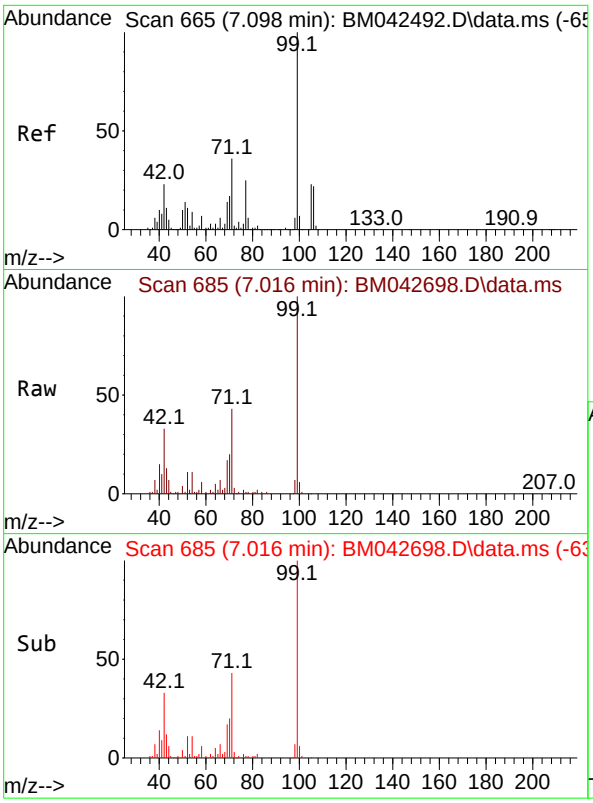


#5
2-Fluorophenol
Concen: 17.264 ng
RT: 5.381 min Scan# 407
Delta R.T. 0.006 min
Lab File: BM042698.D
Acq: 10 Nov 2023 19:10

Tgt Ion:112 Resp: 67095

Ion	Ratio	Lower	Upper
112	100		
64	66.5	52.1	78.1
63	42.6	28.3	42.5#



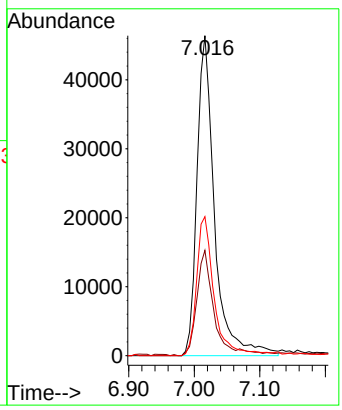


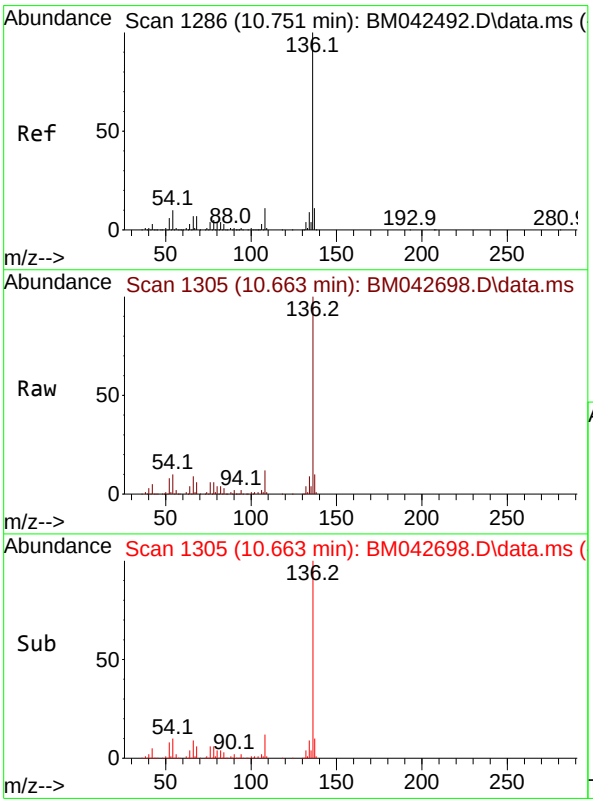
#7
Phenol-d6
Concen: 16.237 ng
RT: 7.016 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM042698.D
Acq: 10 Nov 2023 19:10

Instrument :
BNA_M
ClientSampleId :
WASTE

Tgt Ion: 99 Resp: 86544

Ion	Ratio	Lower	Upper
99	100		
42	32.9	18.7	28.1#
71	43.4	29.1	43.7

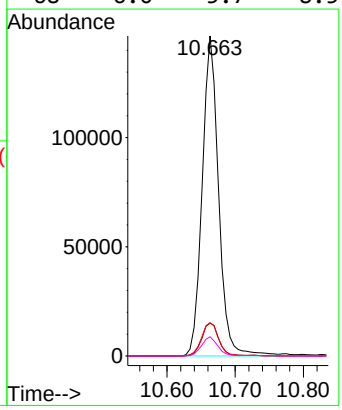


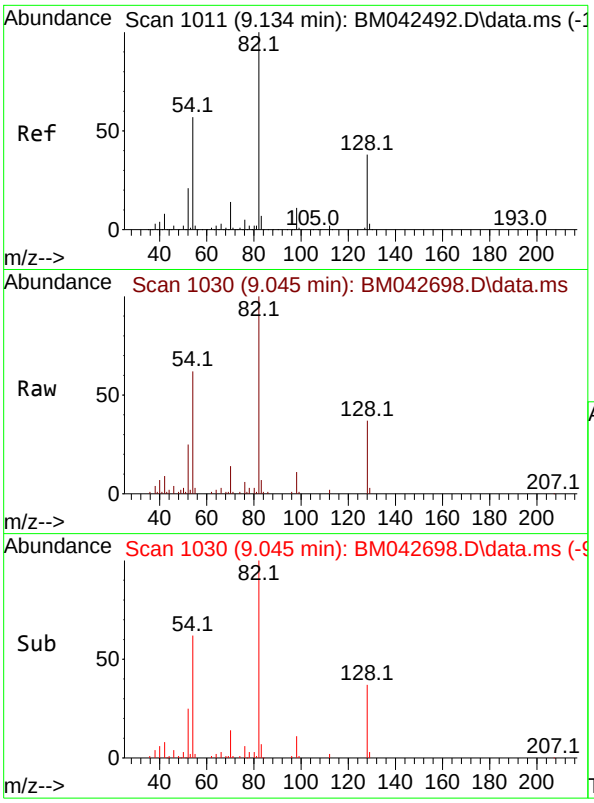


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1305
Delta R.T. 0.000 min
Lab File: BM042698.D
Acq: 10 Nov 2023 19:10

Tgt Ion:136 Resp: 245261

Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.0	13.6
54	10.4	8.0	12.0
68	6.0	5.7	8.5



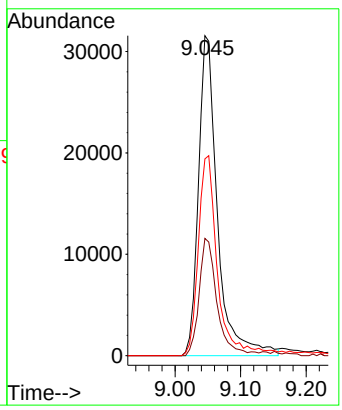


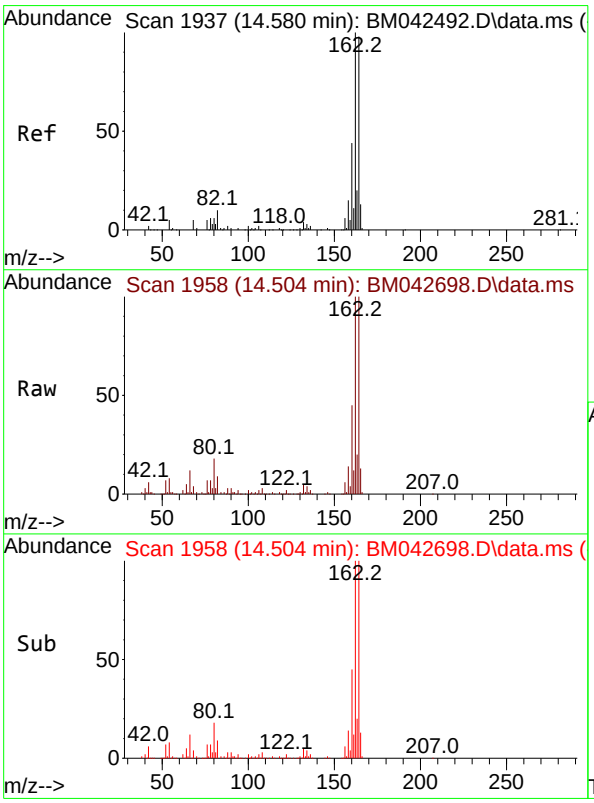
#23
Nitrobenzene-d5
Concen: 12.119 ng
RT: 9.045 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM042698.D
Acq: 10 Nov 2023 19:10

Instrument :
BNA_M
ClientSampleId :
WASTE

Tgt Ion: 82 Resp: 63759

Ion	Ratio	Lower	Upper
82	100		
128	36.7	30.7	46.1
54	61.5	45.3	67.9

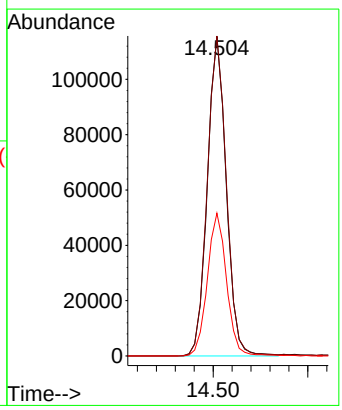


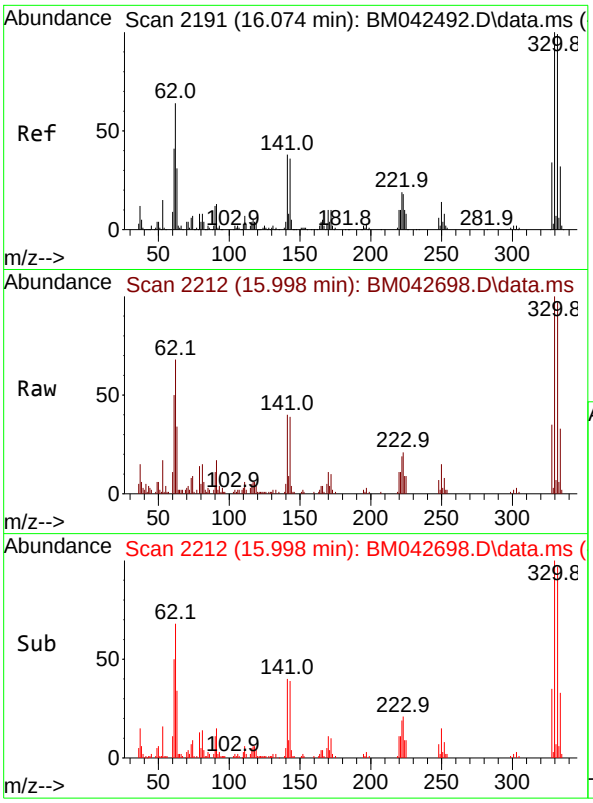


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.504 min Scan# 1958
Delta R.T. 0.000 min
Lab File: BM042698.D
Acq: 10 Nov 2023 19:10

Tgt Ion:164 Resp: 160144

Ion	Ratio	Lower	Upper
164	100		
162	100.3	81.6	122.4
160	44.7	36.2	54.4



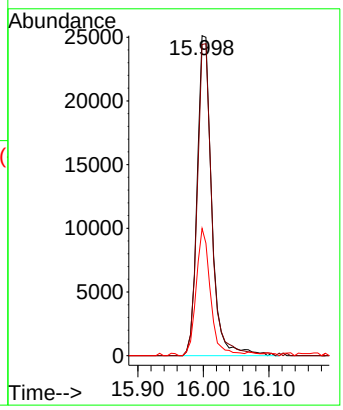


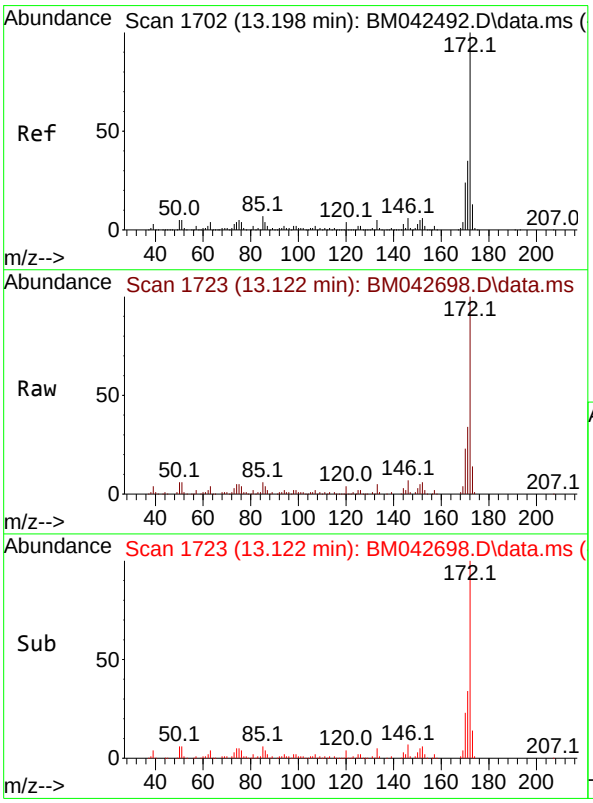
#42
2,4,6-Tribromophenol
Concen: 18.535 ng
RT: 15.998 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM042698.D
Acq: 10 Nov 2023 19:10

Instrument :
BNA_M
ClientSampleId :
WASTE

Tgt Ion:330 Resp: 38753

Ion	Ratio	Lower	Upper
330	100		
332	97.0	78.8	118.2
141	39.0	31.1	46.7

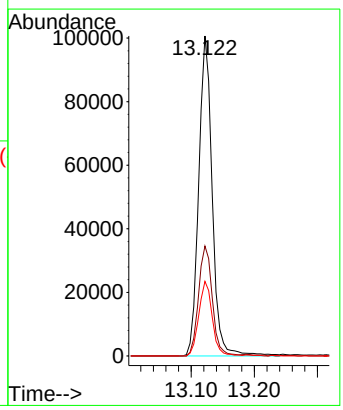


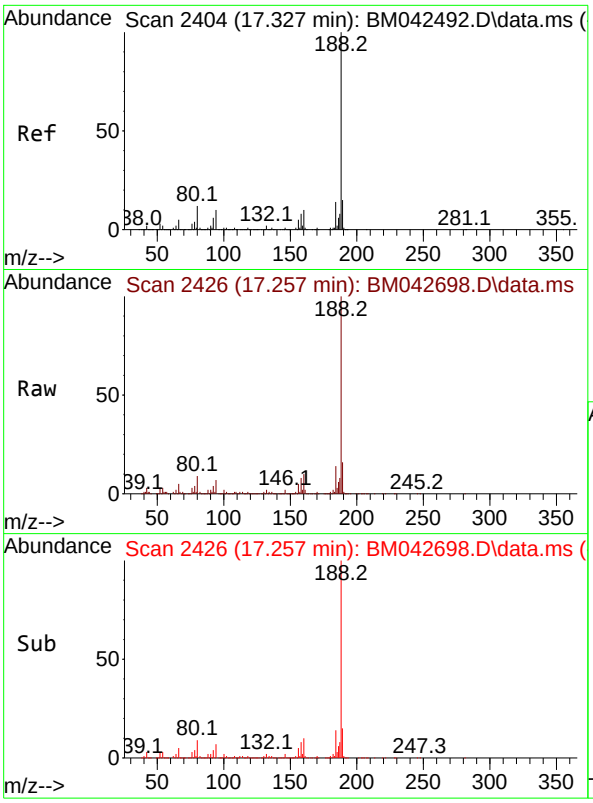


#45
2-Fluorobiphenyl
Concen: 12.558 ng
RT: 13.122 min Scan# 1723
Delta R.T. 0.000 min
Lab File: BM042698.D
Acq: 10 Nov 2023 19:10

Tgt Ion:172 Resp: 149455

Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.2	42.2
170	23.3	19.0	28.4



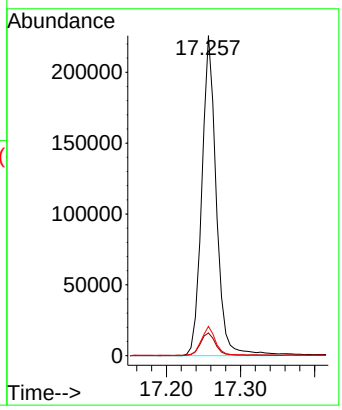


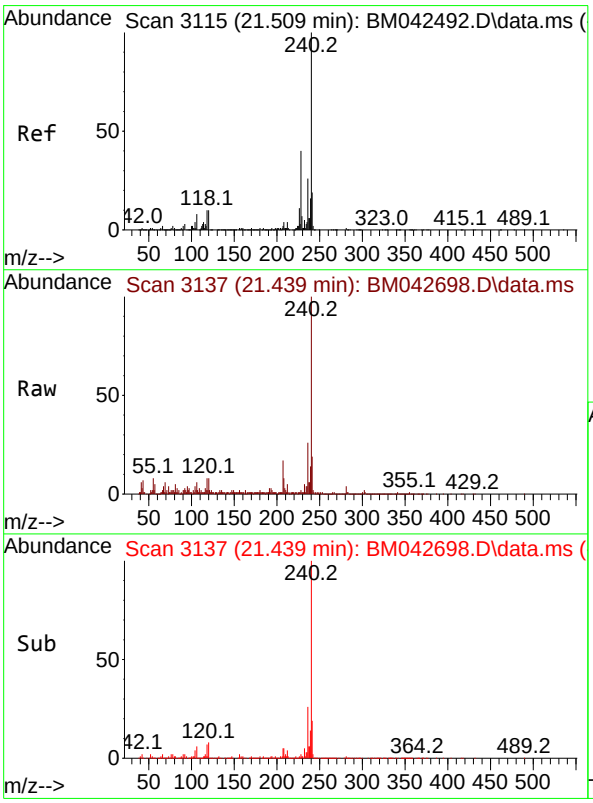
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.257 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM042698.D
Acq: 10 Nov 2023 19:10

Instrument :
BNA_M
ClientSampleId :
WASTE

Tgt Ion:188 Resp: 307838

Ion	Ratio	Lower	Upper
188	100		
94	7.1	8.2	12.4#
80	9.2	9.4	14.2#

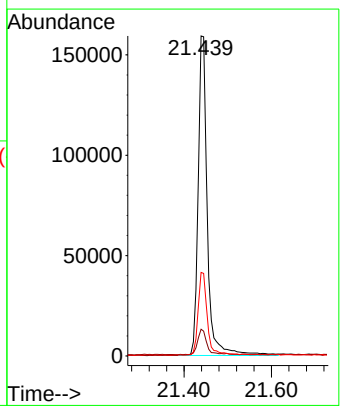


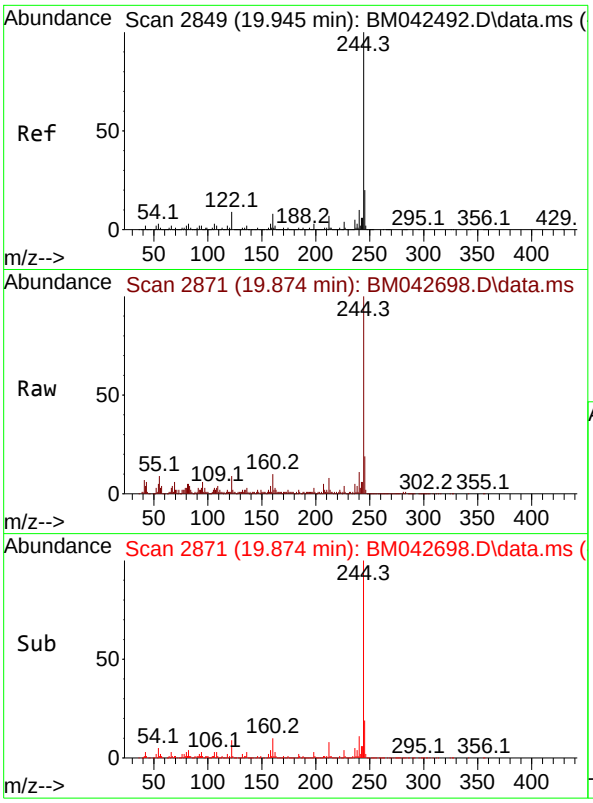


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.439 min Scan# 3137
Delta R.T. 0.000 min
Lab File: BM042698.D
Acq: 10 Nov 2023 19:10

Tgt Ion:240 Resp: 232800

Ion	Ratio	Lower	Upper
240	100		
120	8.4	8.3	12.5
236	26.1	20.8	31.2



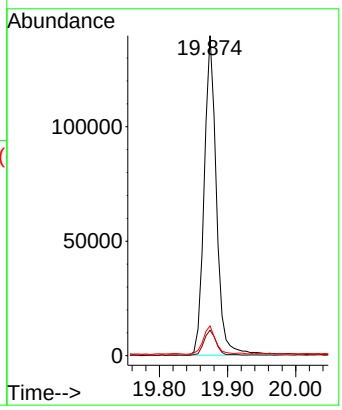


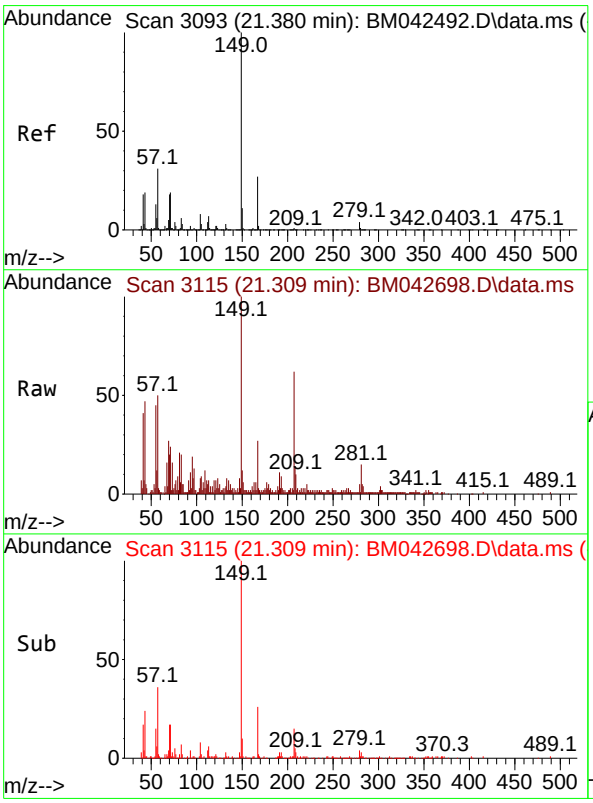
#79
Terphenyl-d14
Concen: 12.769 ng
RT: 19.874 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM042698.D
Acq: 10 Nov 2023 19:10

Instrument :
BNA_M
ClientSampleId :
WASTE

Tgt Ion:244 Resp: 175307

Ion	Ratio	Lower	Upper
244	100		
212	8.0	5.4	8.2
122	9.3	7.2	10.8

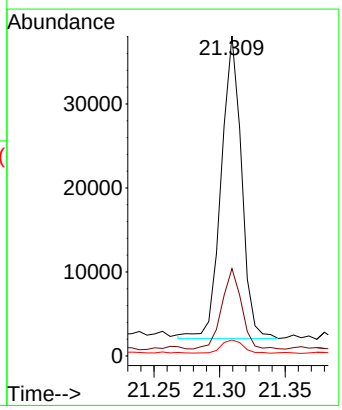


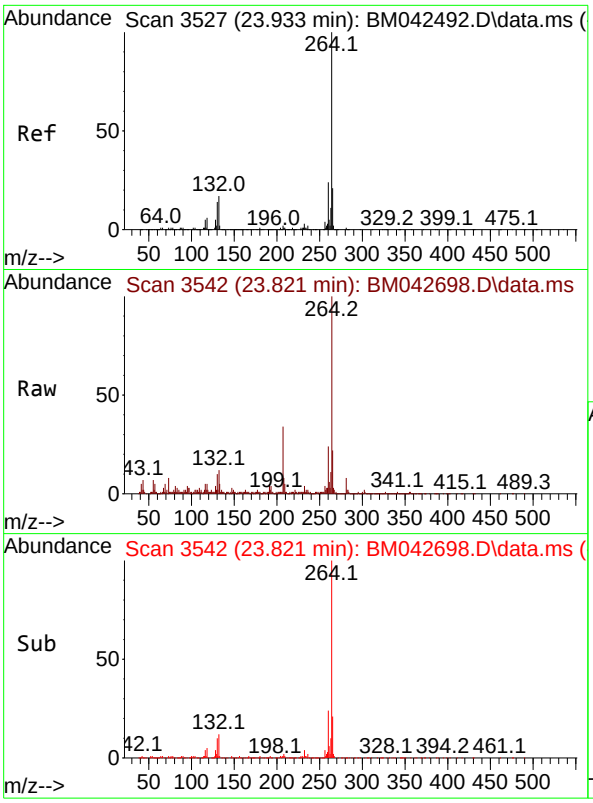


#84
Bis(2-ethylhexyl)phthalate
Concen: 3.759 ng
RT: 21.309 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BM042698.D
Acq: 10 Nov 2023 19:10

Tgt Ion:149 Resp: 38787

Ion	Ratio	Lower	Upper
149	100		
167	27.3	21.4	32.0
279	5.0	3.4	5.2



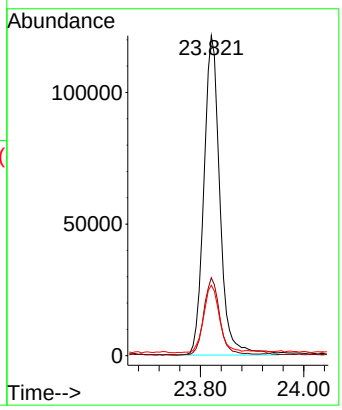


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.821 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM042698.D
Acq: 10 Nov 2023 19:10

Instrument :
BNA_M
ClientSampleId :
WASTE

Tgt Ion:264 Resp: 261247

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.0	28.4
265	22.0	18.7	28.1



Sample Results: **BM042698.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042698.D
Acq On : 10 Nov 2023 19:10
Operator : MA/JU
Sample : 05252-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WASTE

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_M\Methods\8270-BM103023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM042698.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.381	401	407	419	rBV	171159	285203	7.20%	2.545%
2	7.016	678	685	703	rBV	163086	312307	7.88%	2.786%
3	7.846	818	826	844	rBV	262817	454128	11.46%	4.052%
4	9.045	1025	1030	1038	rBV	98200	179944	4.54%	1.605%
5	10.663	1298	1305	1313	rBV	344692	572358	14.44%	5.107%
6	13.122	1717	1723	1735	rBV	323249	469948	11.86%	4.193%
7	14.504	1952	1958	1969	rBV	532302	752528	18.99%	6.714%
8	15.827	2179	2183	2188	rBV	120688	132607	3.35%	1.183%
9	15.998	2207	2212	2222	rBV	237905	352864	8.90%	3.148%
10	17.257	2421	2426	2432	rBV	544885	689291	17.39%	6.150%
11	18.033	2554	2558	2563	rBV	484445	577686	14.57%	5.154%
12	18.110	2567	2571	2581	rBV	107780	181461	4.58%	1.619%
13	19.315	2774	2776	2782	rVB2	59680	71542	1.80%	0.638%
14	19.392	2787	2789	2799	rVB7	43589	90554	2.28%	0.808%
15	19.704	2840	2842	2846	rVB	88213	90770	2.29%	0.810%
16	19.874	2867	2871	2876	rBV	402251	488529	12.32%	4.359%
17	21.056	3067	3072	3076	rVB	3803909	3963725	100.00%	35.364%
18	21.309	3112	3115	3118	rVB	127027	131046	3.31%	1.169%
19	21.445	3133	3138	3142	rBV	474370	665494	16.79%	5.937%
20	22.262	3275	3277	3285	rVB	129762	145949	3.68%	1.302%
21	23.821	3537	3542	3549	rVB	313395	600413	15.15%	5.357%

Sum of corrected areas: 11208347

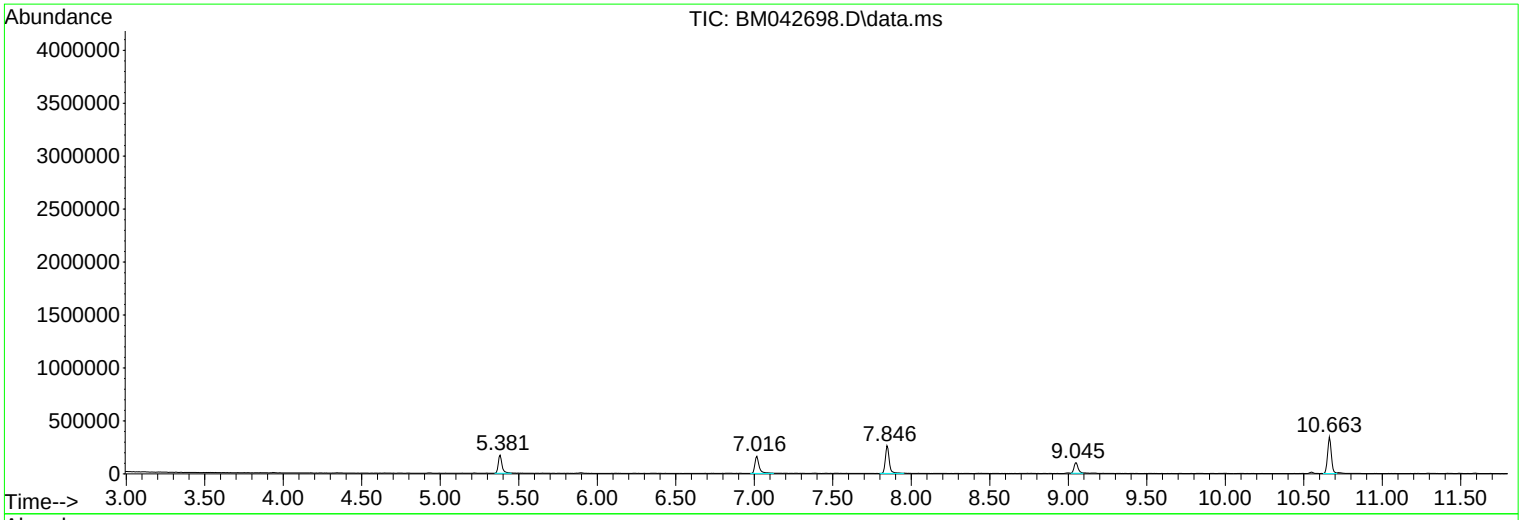
Sample Results: **BM042698.D**

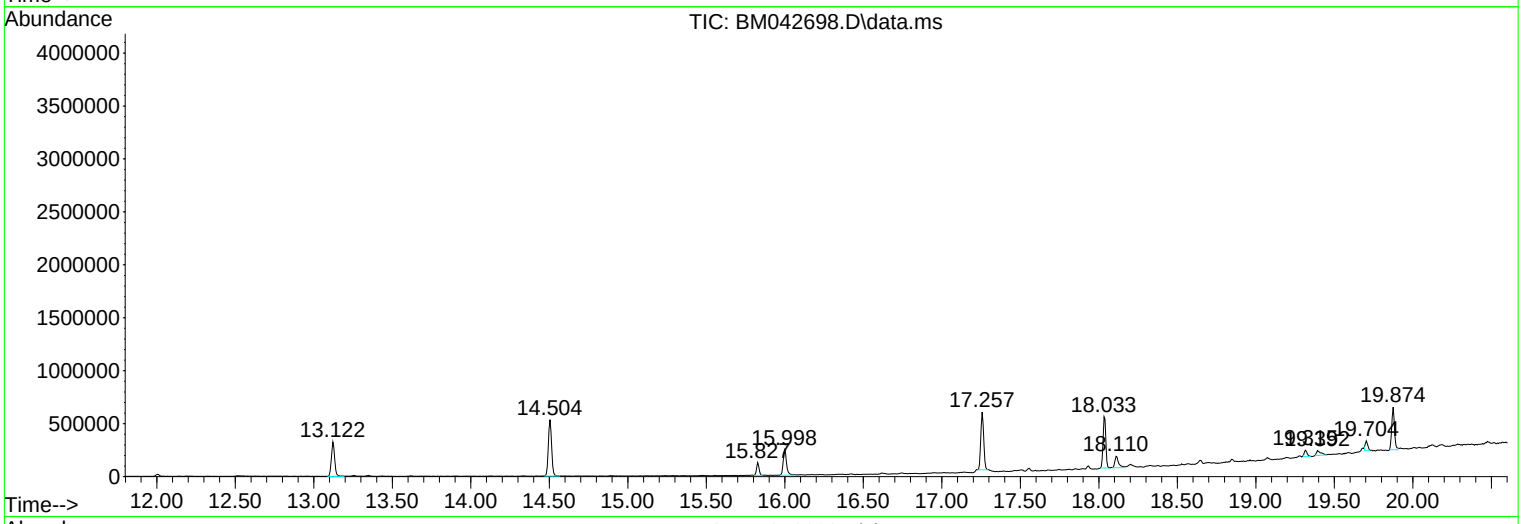
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Data File : BM042698.D
Acq On : 10 Nov 2023 19:10
Operator : MA/JU
Sample : 05252-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

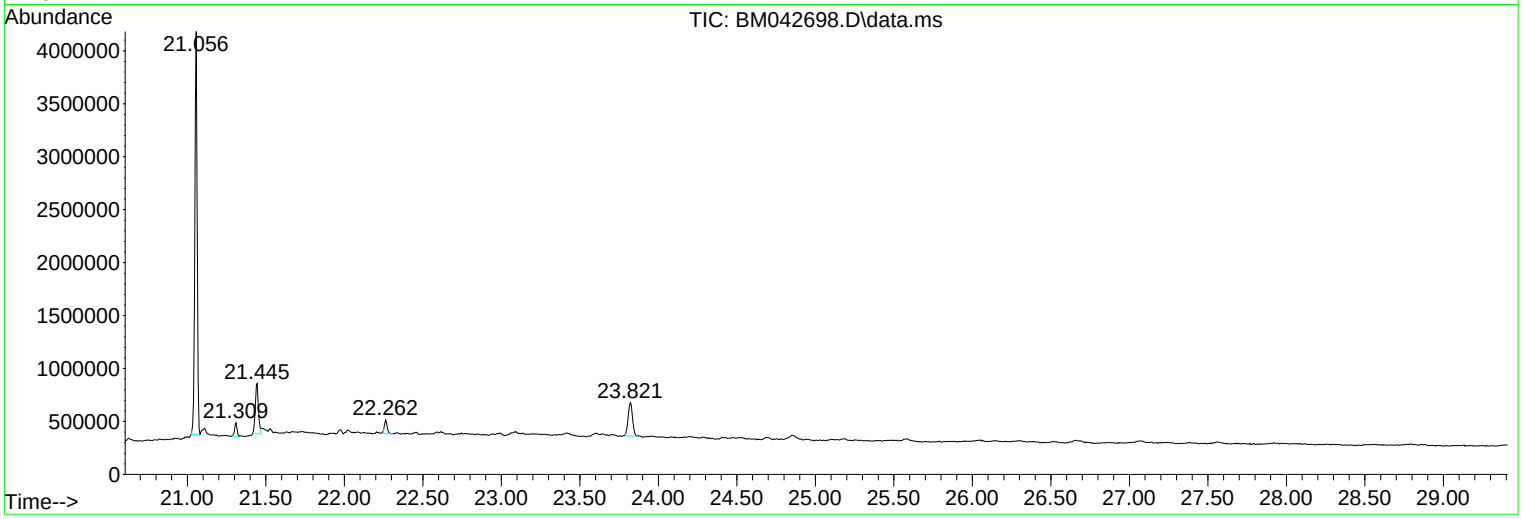
Instrument :
BNA_M
ClientSampleId :
WASTE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.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_M\Data\BM111023\
Data File : BM042698.D
Acq On : 10 Nov 2023 19:10
Operator : MA/JU
Sample : 05252-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WASTE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

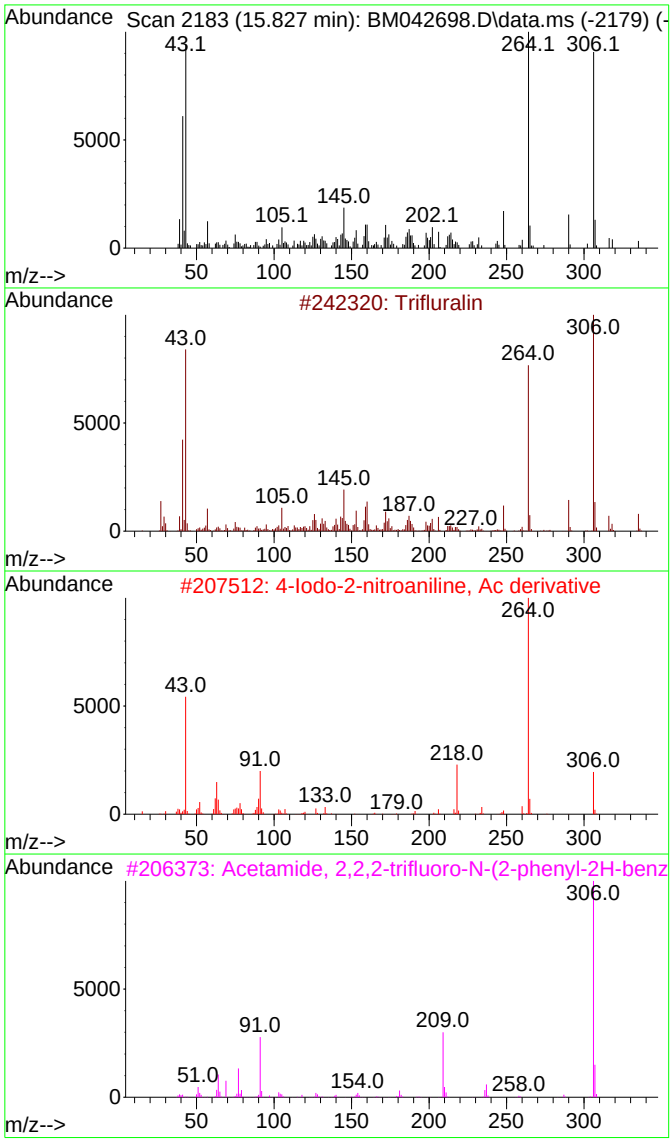
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

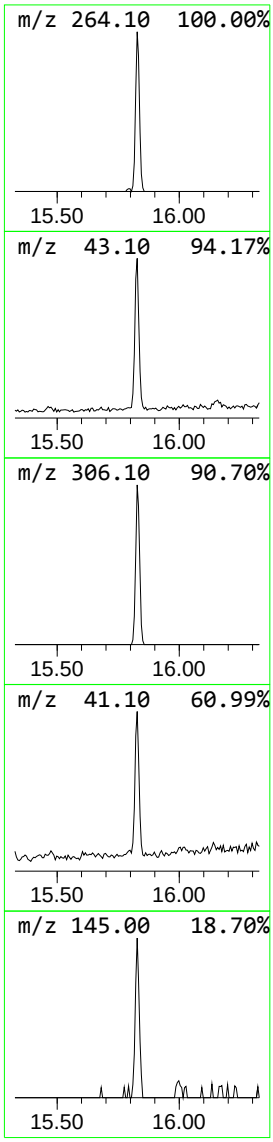
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Peak Number 1 Trifluralin Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.827	3.52 ng	132607	Acenaphthene-d10	14.504

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trifluralin	335	C13H16F3N3O4	001582-09-8	99
2	4-Iodo-2-nitroaniline, Ac deriva...	306	C8H7IN2O3	1000494-76-3	64
3	Acetamide, 2,2,2-trifluoro-N-(2-...	306	C14H9F3N4O	350700-28-6	30
4	2,3,4,5-Tetrahydro-2-methyl-6-(2...	264	C10H8N4O5	017427-31-5	30
5	2,4-Dimethoxyiodobenzene	264	C8H9IO2	020469-63-0	27





Sample Results: **BM042698.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042698.D
Acq On : 10 Nov 2023 19:10
Operator : MA/JU
Sample : 05252-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WASTE

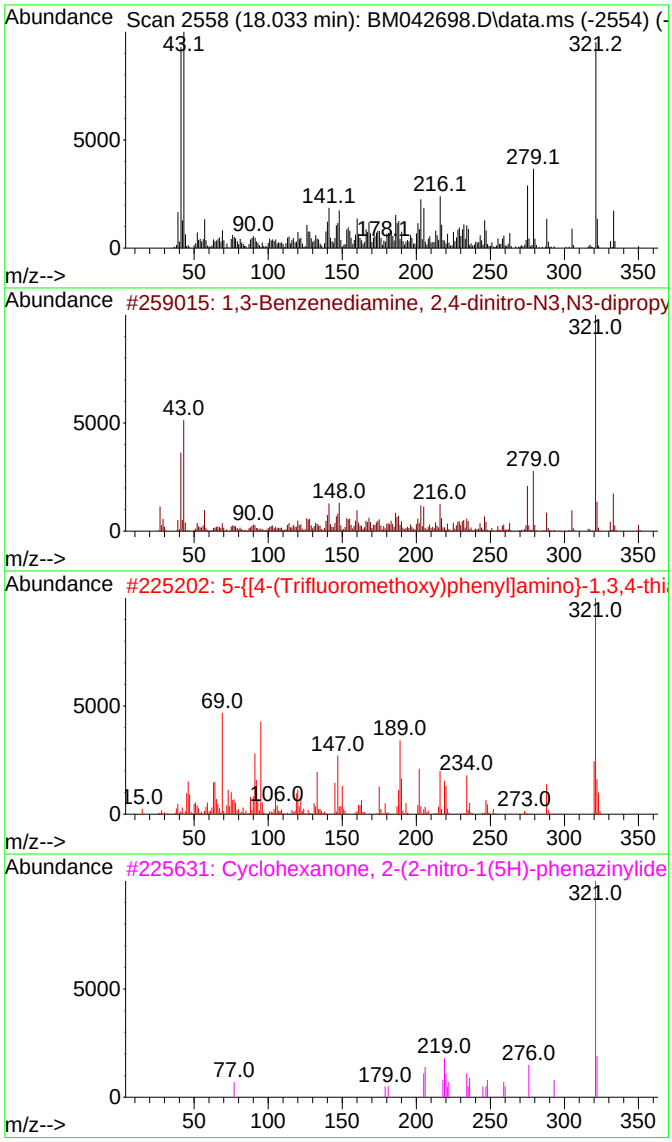
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

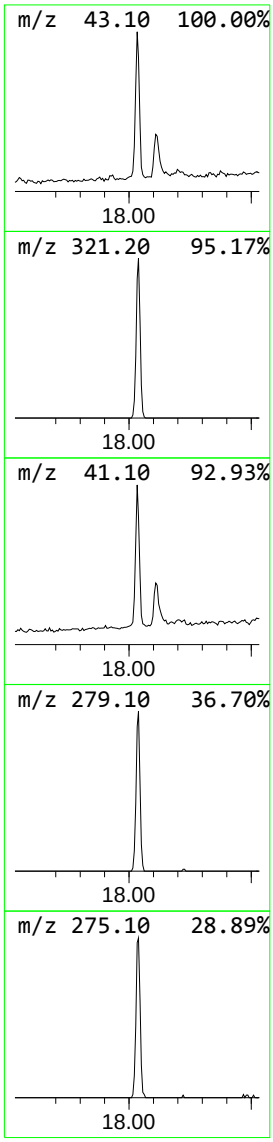
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 1,3-Benzenediamine, 2,4-din... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.033	16.76 ng	577686	Phenanthrene-d10	17.257

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Benzenediamine, 2,4-dinitro-...	350	C13H17F3N4O4	029091-21-2	97
2	5-{[4-(Trifluoromethoxy)phenyl]a...	321	C11H10F3N3OS2	1000507-70-1	49
3	Cyclohexanone, 2-(2-nitro-1(5H)-...	321	C18H15N3O3	021589-32-2	43
4	4-Amino-5-nitro-6-[3,4,5-trimeth...	321	C13H15N5O5	1000254-14-1	38
5	3,4,5-Trimethoxy-4'-nitrodipheny...	321	C15H15NO5S	024891-42-7	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042698.D
Acq On : 10 Nov 2023 19:10
Operator : MA/JU
Sample : 05252-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WASTE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

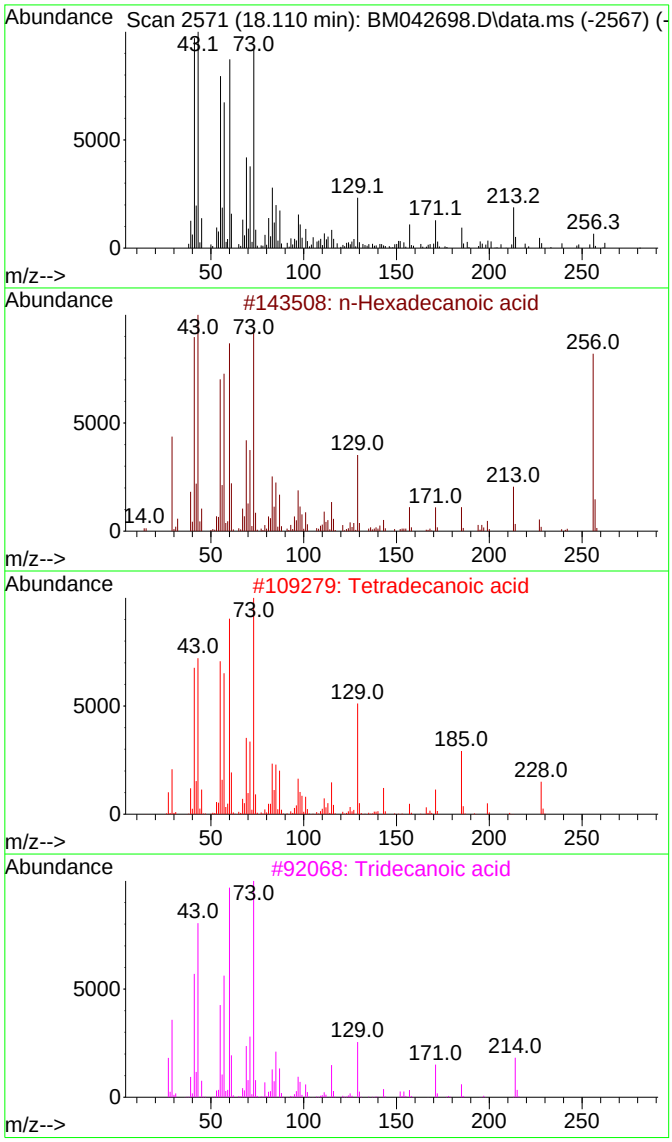
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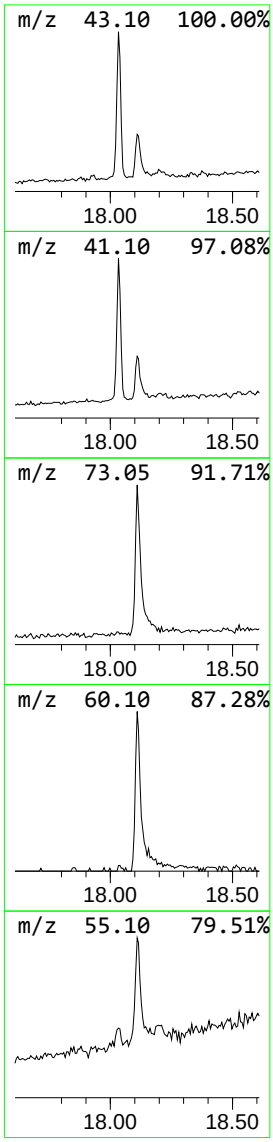
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Peak Number 3 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.110	5.27 ng	181461	Phenanthrene-d10	17.257

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
3	Tridecanoic acid	214	C13H26O2	000638-53-9	87
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	74
5	Undecanoic acid	186	C11H22O2	000112-37-8	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042698.D
Acq On : 10 Nov 2023 19:10
Operator : MA/JU
Sample : 05252-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WASTE

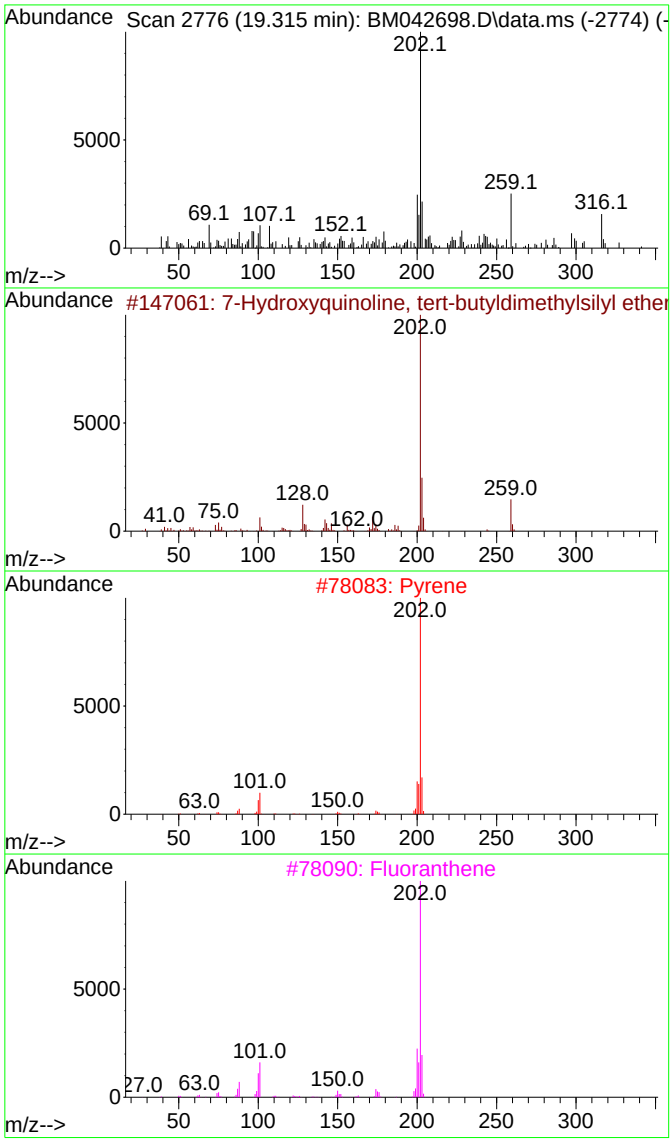
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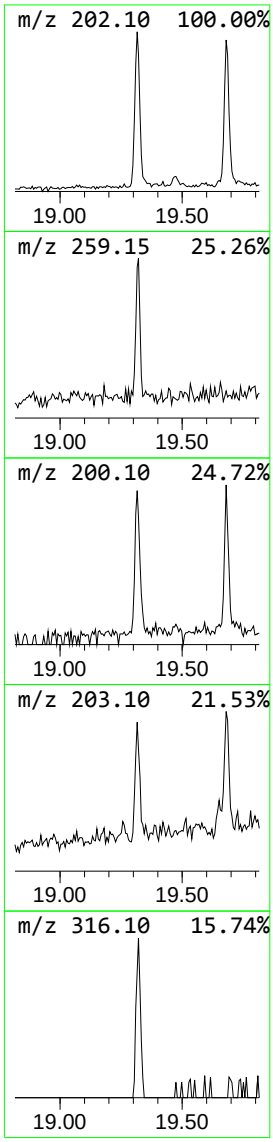
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 7-Hydroxyquinoline, tert-bu... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.315	2.08 ng	71542	Phenanthrene-d10	17.257

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Hydroxyquinoline, tert-butyldi...	259	C15H21NOSi	867164-58-7	50
2	Pyrene	202	C16H10	000129-00-0	49
3	Fluoranthene	202	C16H10	000206-44-0	49
4	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	49
5	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042698.D
Acq On : 10 Nov 2023 19:10
Operator : MA/JU
Sample : 05252-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WASTE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

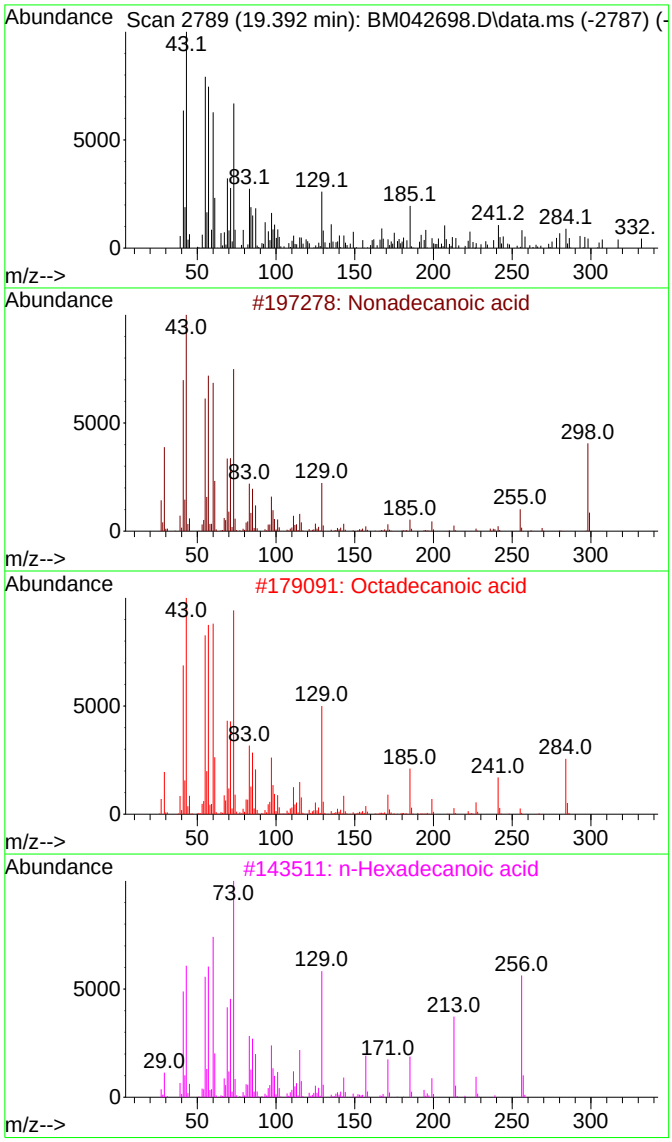
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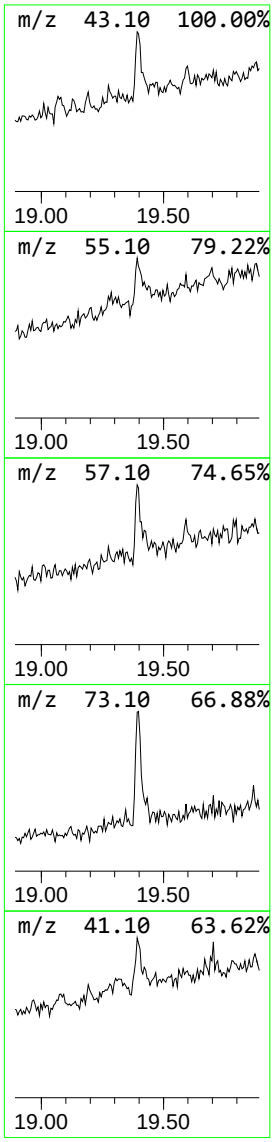
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Peak Number 5 Nonadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.392	2.72 ng	90554	Chrysene-d12	21.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecanoic acid	298	C19H38O2	000646-30-0	90
2	Octadecanoic acid	284	C18H36O2	000057-11-4	89
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	70
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	55
5	Tridecanoic acid	214	C13H26O2	000638-53-9	46





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Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042698.D
Acq On    : 10 Nov 2023  19:10
Operator  : MA/JU
Sample    : 05252-01 5X
Misc      :
ALS Vial  : 15   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P
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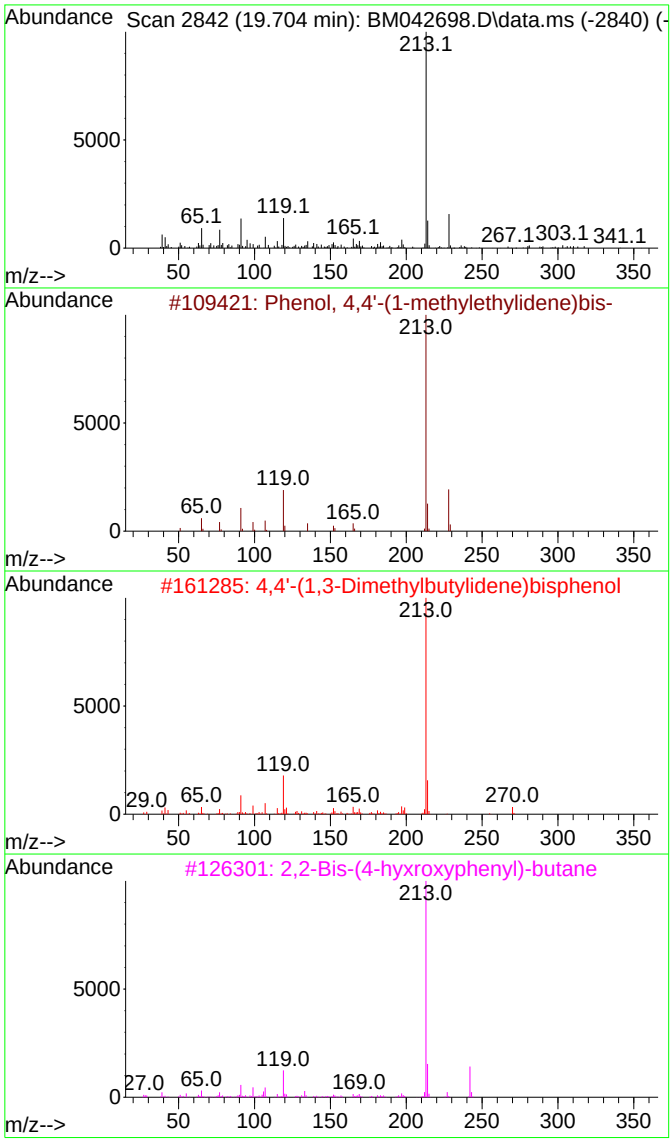
Instrument :
BNA_M
ClientSampleId :
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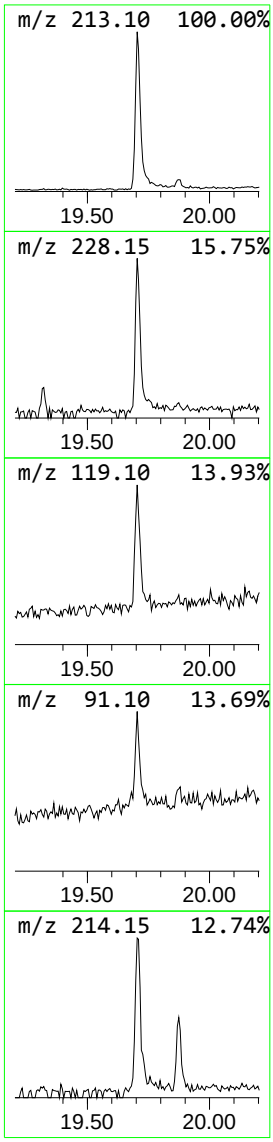
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Peak Number 6 Phenol, 4,4'-(1-methylethyl... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.704	2.73 ng	90770	Chrysene-d12	21.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4,4'-(1-methylethylidene...	228	C15H16O2	000080-05-7	91
2	4,4'-(1,3-Dimethylbutylidene)bis...	270	C18H22O2	006807-17-6	83
3	2,2-Bis-(4-hyxroxyphenyl)-butane	242	C16H18O2	000077-40-7	64
4	5-Fluoro-2-nitrophenylamine, TMS...	228	C9H13FN2O2Si	1000484-54-5	64
5	2H,8H-Benzo[1,2-b:3,4-b']dipyran...	228	C14H12O3	000523-59-1	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042698.D
Acq On : 10 Nov 2023 19:10
Operator : MA/JU
Sample : 05252-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WASTE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

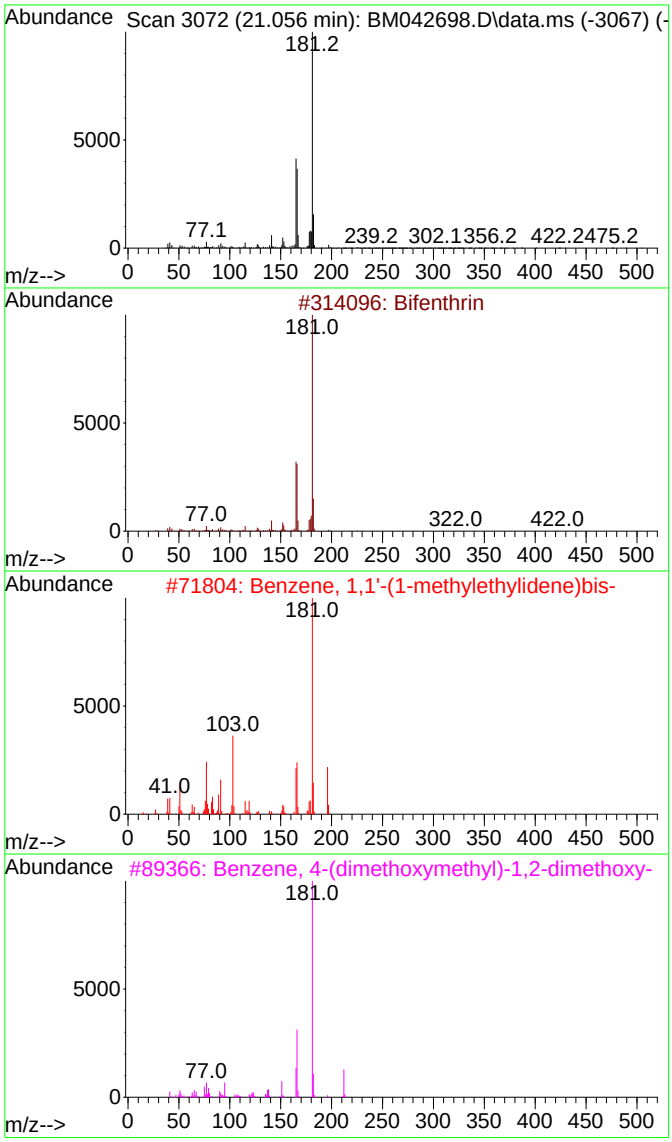
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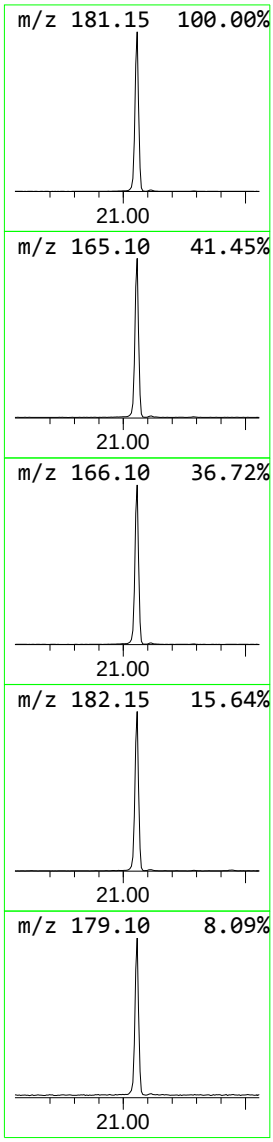
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Peak Number 7 Bifenthrin Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.056	119.12 ng	3963730	Chrysene-d12	21.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bifenthrin	422	C23H22ClF3O2	082657-04-3	91
2	Benzene, 1,1'-(1-methylethyliden...	196	C15H16	000778-22-3	64
3	Benzene, 4-(dimethoxymethyl)-1,2...	212	C11H16O4	059276-33-4	58
4	Benzeneethanol, .beta.-methyl-.b...	212	C15H16O	074421-26-4	53
5	8-Methyl-4-azafluorene	181	C13H11N	064292-00-8	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042698.D
Acq On : 10 Nov 2023 19:10
Operator : MA/JU
Sample : 05252-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WASTE

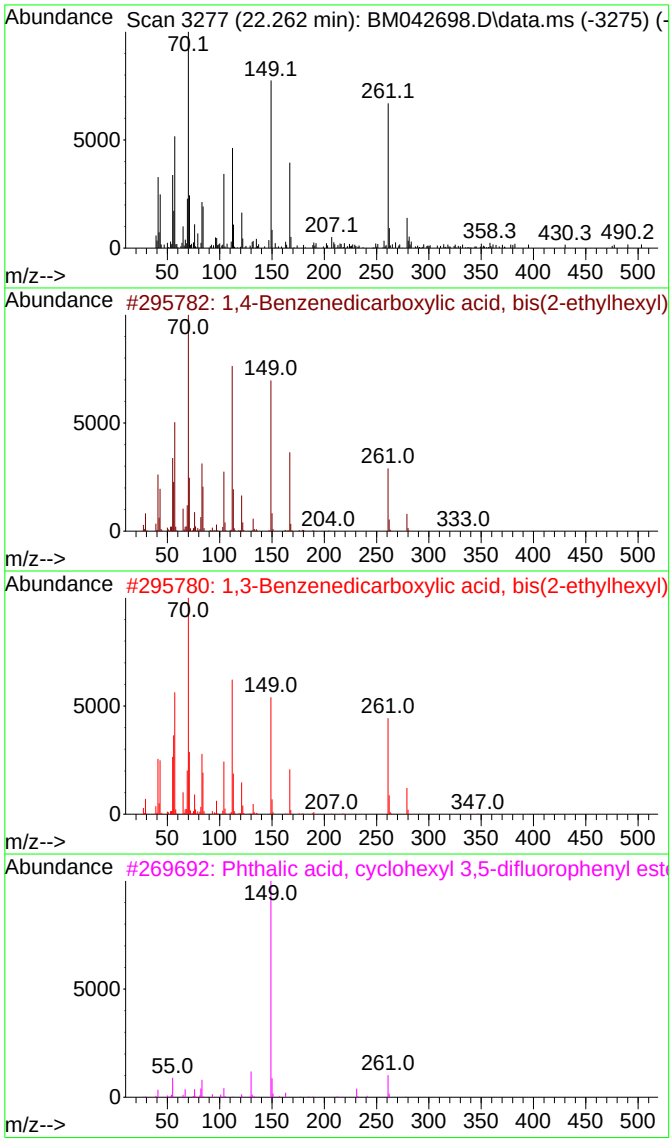
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

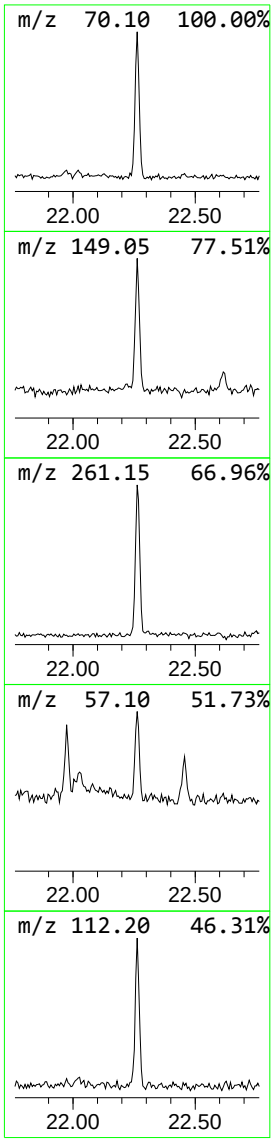
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1,4-Benzenedicarboxylic aci... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.262	4.39 ng	145949	Chrysene-d12	21.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Benzenedicarboxylic acid, bi...	390	C24H38O4	006422-86-2	74
2	1,3-Benzenedicarboxylic acid, bi...	390	C24H38O4	000137-89-3	58
3	Phthalic acid, cyclohexyl 3,5-di...	360	C20H18F2O4	1000315-61-1	27
4	Phthalic acid, di(2-propylpentyl...	390	C24H38O4	1000377-93-5	27
5	Isophthalic acid, octyl 2,4,5-tr...	456	C22H23Cl3O4	1010356-61-5	27





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042698.D
Acq On : 10 Nov 2023 19:10
Operator : MA/JU
Sample : 05252-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WASTE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.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
Trifluralin	15.827	3.5	ng	132607	3	14.504	752528	20.0
1,3-Benzenediam...	18.033	16.8	ng	577686	4	17.257	689291	20.0
n-Hexadecanoic ...	18.110	5.3	ng	181461	4	17.257	689291	20.0
7-Hydroxyquinol...	19.315	2.1	ng	71542	4	17.257	689291	20.0
Nonadecanoic acid	19.392	2.7	ng	90554	5	21.439	665494	20.0
Phenol, 4,4'-(1...	19.704	2.7	ng	90770	5	21.439	665494	20.0
Bifenthrin	21.056	119.1	ng	3963730	5	21.439	665494	20.0
1,4-Benzenedica...	22.262	4.4	ng	145949	5	21.439	665494	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136177.D
Acq On : 07 Nov 2023 15:47
Operator : CG\JU
Sample : PB156921BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB156921BL

Quant Time: Nov 08 02:57:05 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 02:12:01 2023
Response via : Initial Calibration

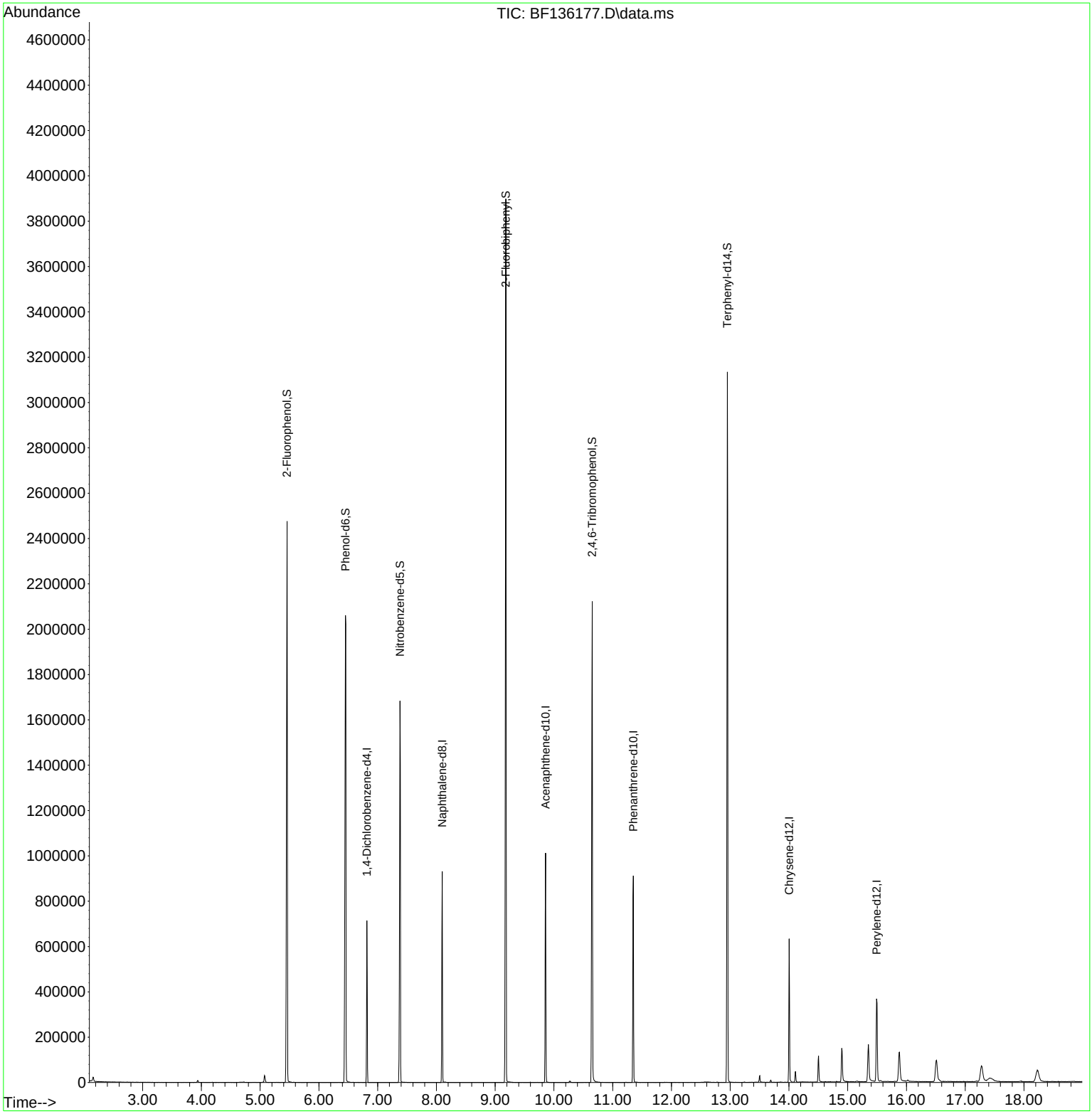
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	92028	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	367949	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	188969	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	341560	20.000	ng	0.00
76) Chrysene-d12	14.004	240	196372	20.000	ng	0.00
86) Perylene-d12	15.492	264	181071	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	725672	125.554	ng	0.01
7) Phenol-d6	6.451	99	891315	125.322	ng	0.00
23) Nitrobenzene-d5	7.381	82	571281	86.641	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	259719	131.228	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	1087912	85.101	ng	0.00
79) Terphenyl-d14	12.951	244	1174267	84.882	ng	0.00
Target Compounds						Qvalue

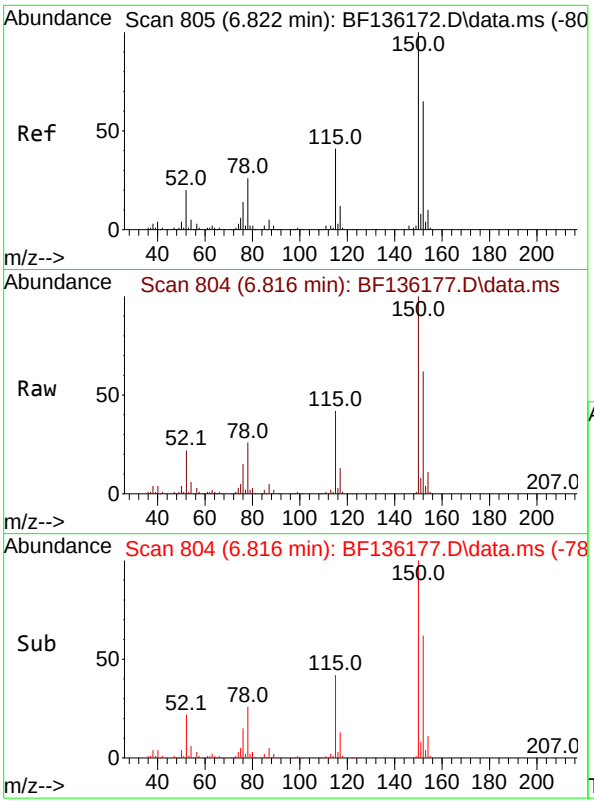
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136177.D
Acq On : 07 Nov 2023 15:47
Operator : CG\JU
Sample : PB156921BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB156921BL

Quant Time: Nov 08 02:57:05 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 02:12:01 2023
Response via : Initial Calibration



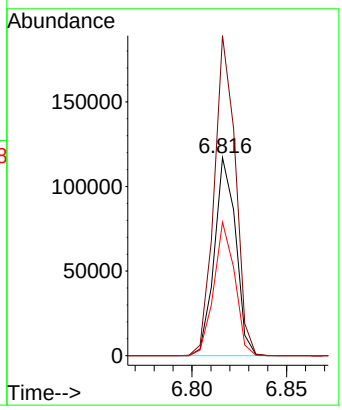


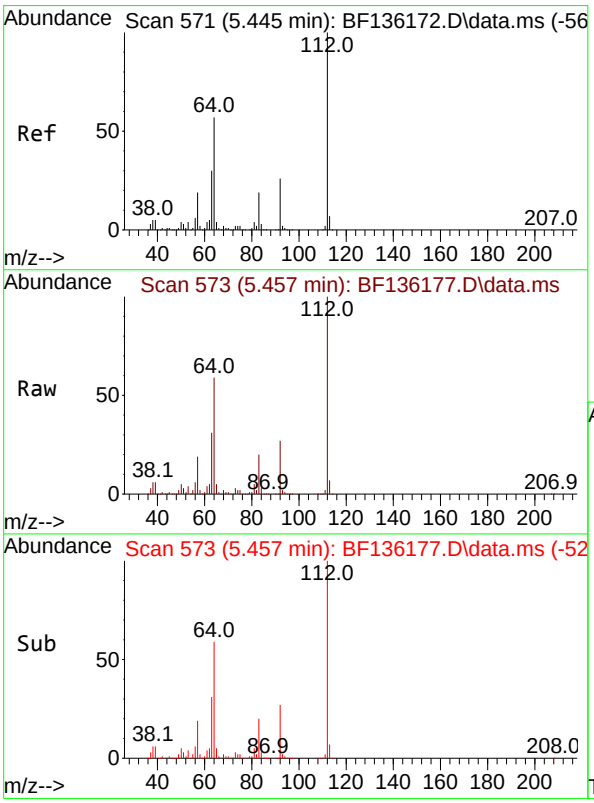
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF136177.D
Acq: 07 Nov 2023 15:47

Instrument :
BNA_F
ClientSampleId :
PB156921BL

Tgt Ion:152 Resp: 92028

Ion	Ratio	Lower	Upper
152	100		
150	161.6	123.1	184.7
115	67.4	50.5	75.7

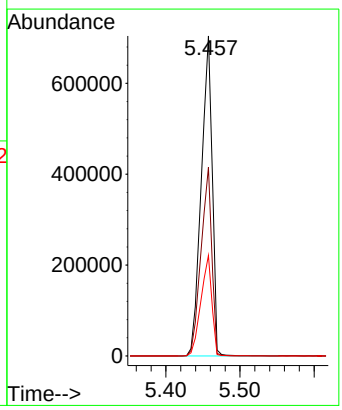


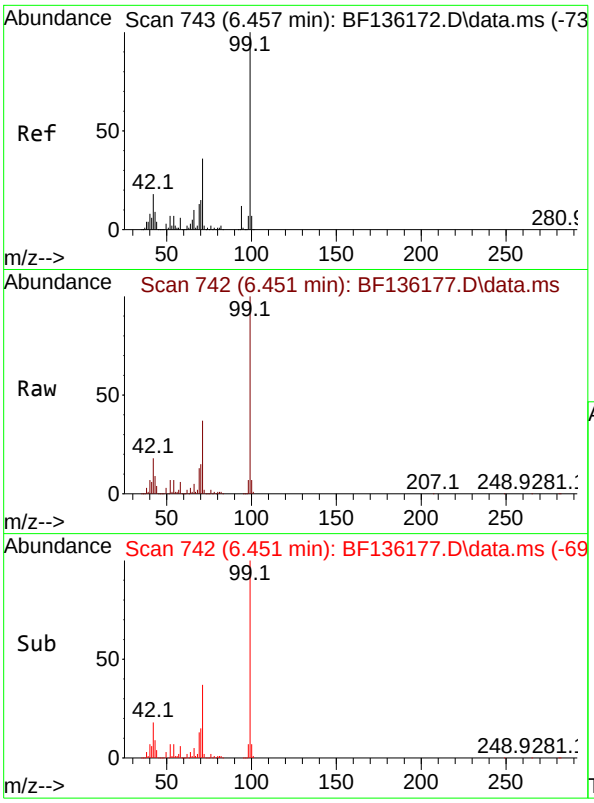


#5
2-Fluorophenol
Concen: 125.554 ng
RT: 5.457 min Scan# 573
Delta R.T. 0.012 min
Lab File: BF136177.D
Acq: 07 Nov 2023 15:47

Tgt Ion:112 Resp: 725672

Ion	Ratio	Lower	Upper
112	100		
64	58.9	45.4	68.0
63	31.4	24.4	36.6



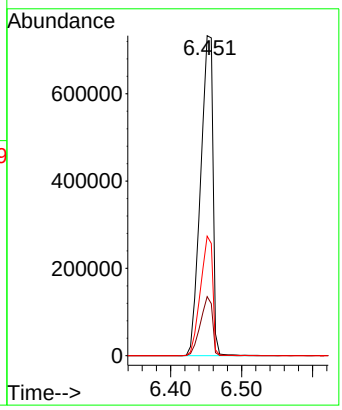


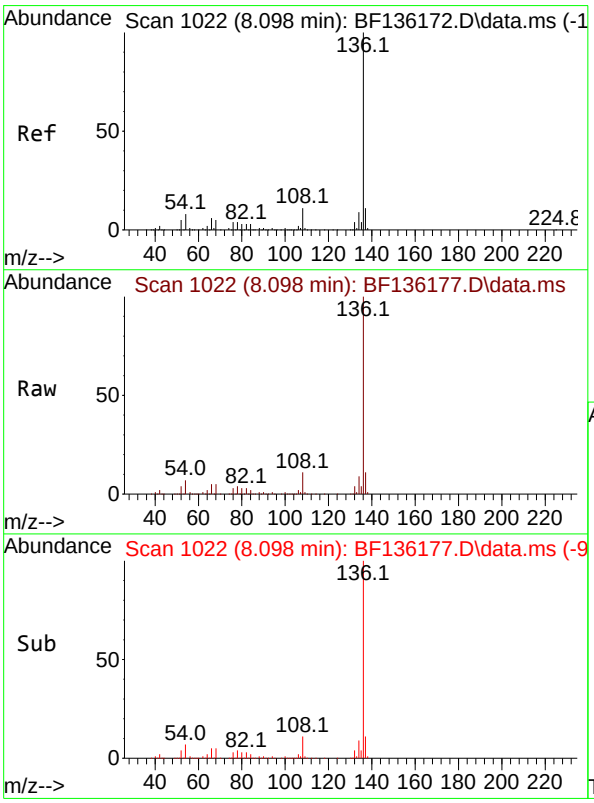
#7
Phenol-d6
Concen: 125.322 ng
RT: 6.451 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF136177.D
Acq: 07 Nov 2023 15:47

Instrument :
BNA_F
ClientSampleId :
PB156921BL

Tgt Ion: 99 Resp: 891315

Ion	Ratio	Lower	Upper
99	100		
42	18.4	14.1	21.1
71	37.3	29.0	43.4

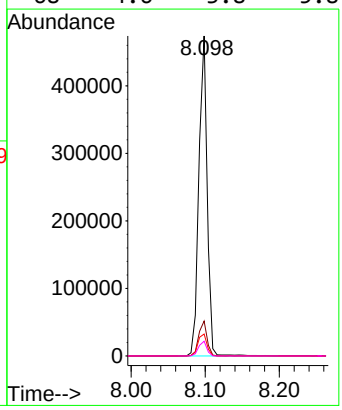


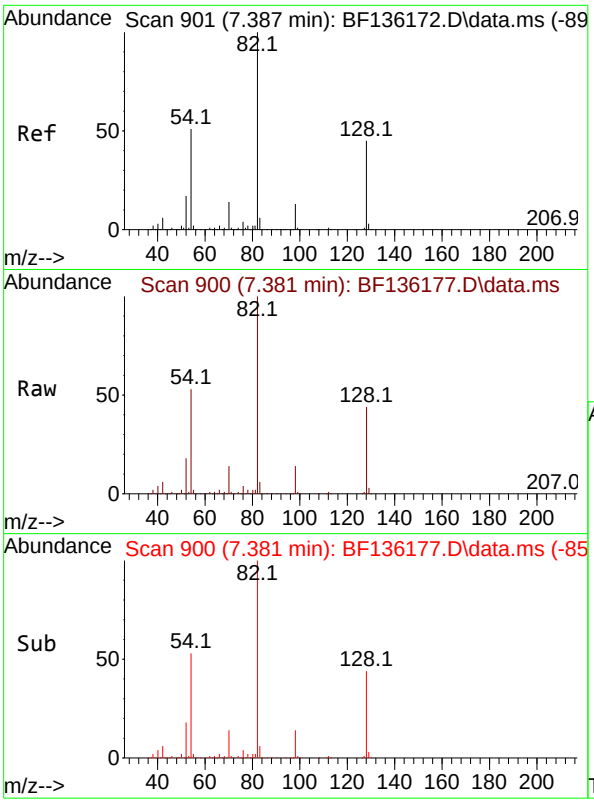


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF136177.D
Acq: 07 Nov 2023 15:47

Tgt Ion:136 Resp: 367949

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	6.9	6.3	9.5
68	4.6	3.8	5.8



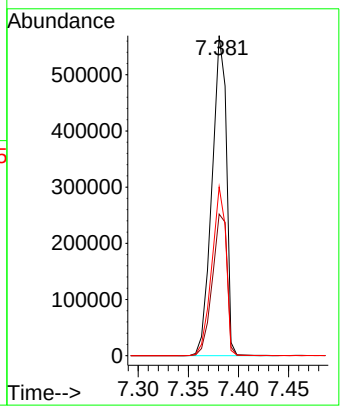


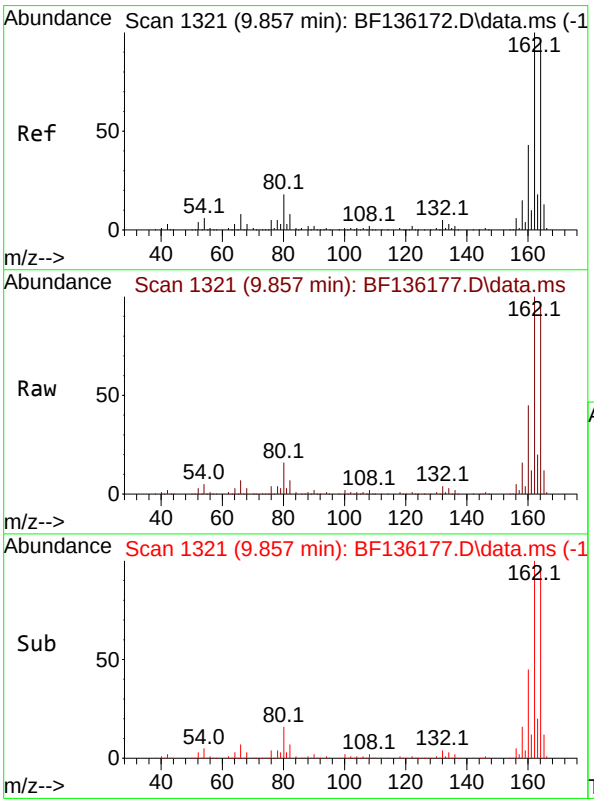
#23
Nitrobenzene-d5
Concen: 86.641 ng
RT: 7.381 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF136177.D
Acq: 07 Nov 2023 15:47

Instrument :
BNA_F
ClientSampleId :
PB156921BL

Tgt Ion: 82 Resp: 571281

Ion	Ratio	Lower	Upper
82	100		
128	44.3	35.8	53.6
54	52.8	40.6	60.8

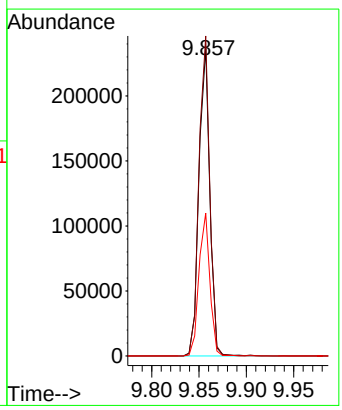


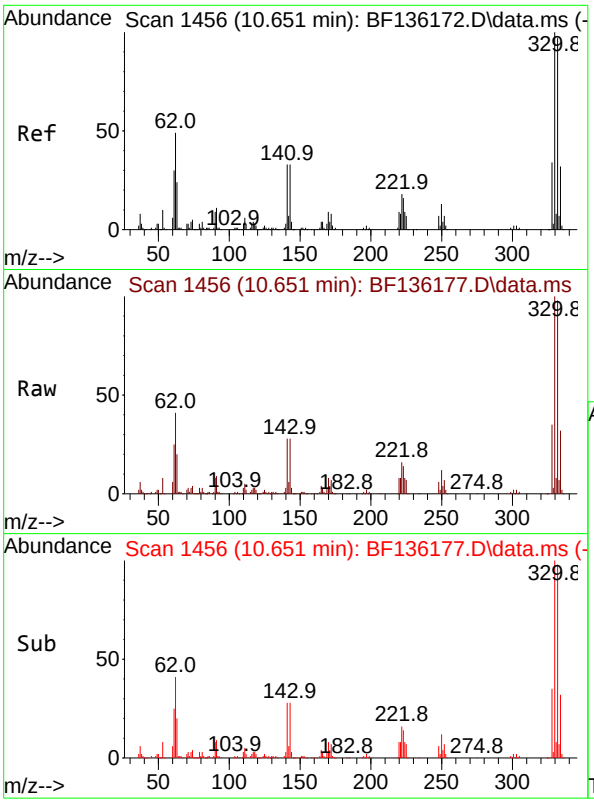


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BF136177.D
Acq: 07 Nov 2023 15:47

Tgt Ion:164 Resp: 188969

Ion	Ratio	Lower	Upper
164	100		
162	104.0	83.2	124.8
160	46.5	35.8	53.8



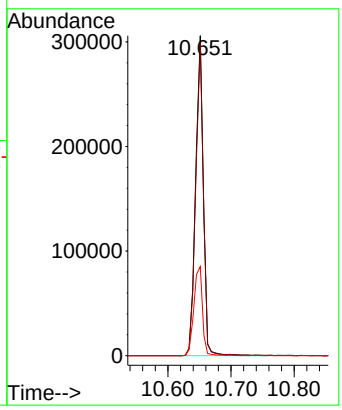


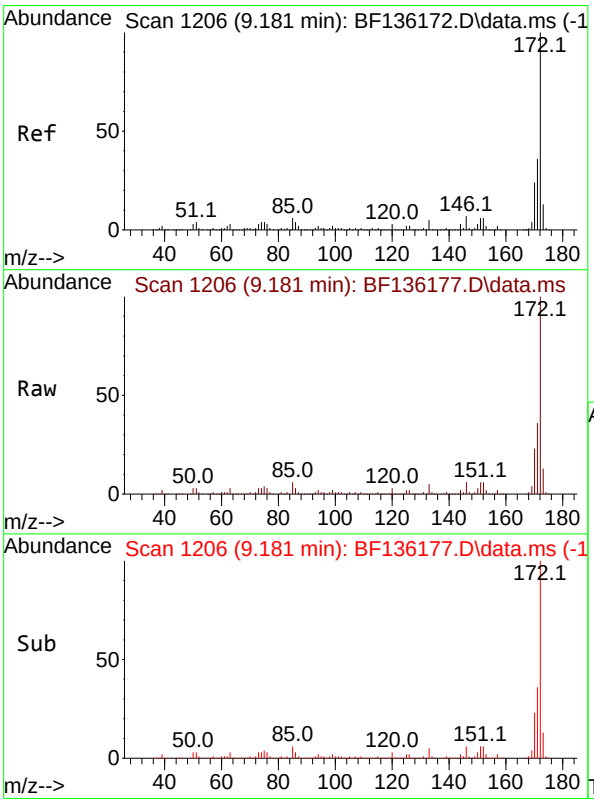
#42
2,4,6-Tribromophenol
Concen: 131.228 ng
RT: 10.651 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF136177.D
Acq: 07 Nov 2023 15:47

Instrument :
BNA_F
ClientSampleId :
PB156921BL

Tgt Ion:330 Resp: 259719

Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.6	116.4
141	31.1	25.8	38.6

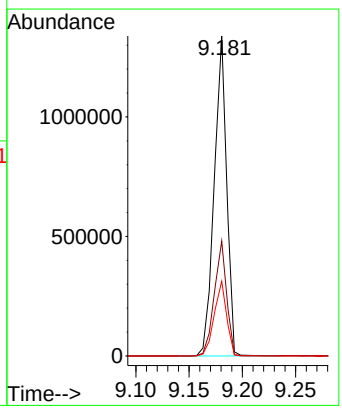


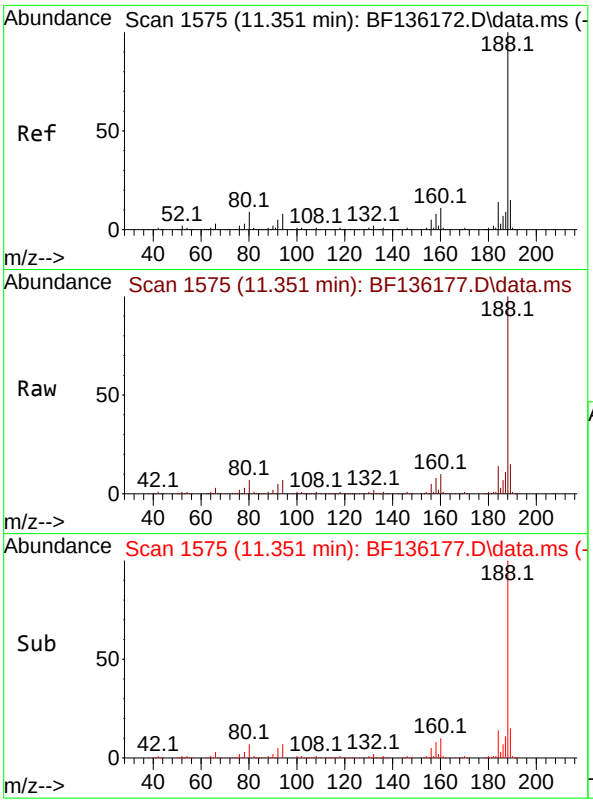


#45
2-Fluorobiphenyl
Concen: 85.101 ng
RT: 9.181 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF136177.D
Acq: 07 Nov 2023 15:47

Tgt Ion:172 Resp: 1087912

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.9	43.3
170	23.4	19.1	28.7



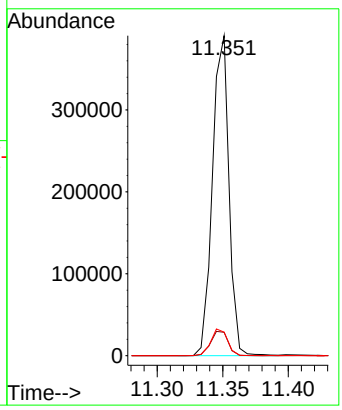


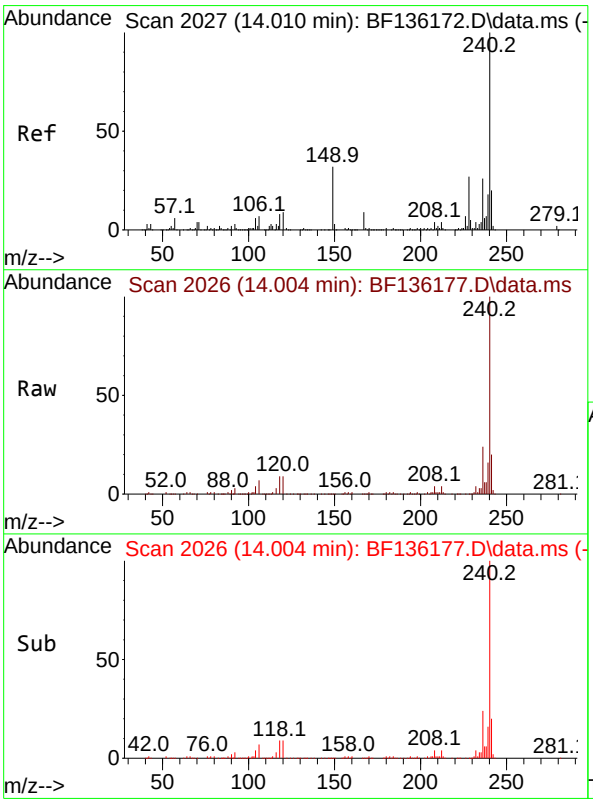
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF136177.D
Acq: 07 Nov 2023 15:47

Instrument :
BNA_F
ClientSampleId :
PB156921BL

Tgt Ion:188 Resp: 341560

Ion	Ratio	Lower	Upper
188	100		
94	7.3	6.6	9.8
80	7.3	7.3	10.9

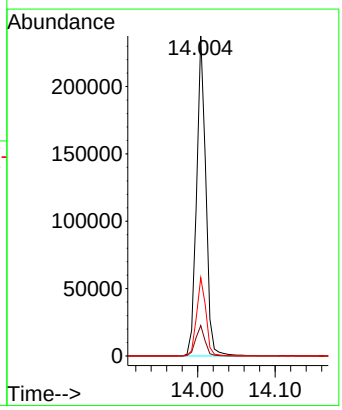


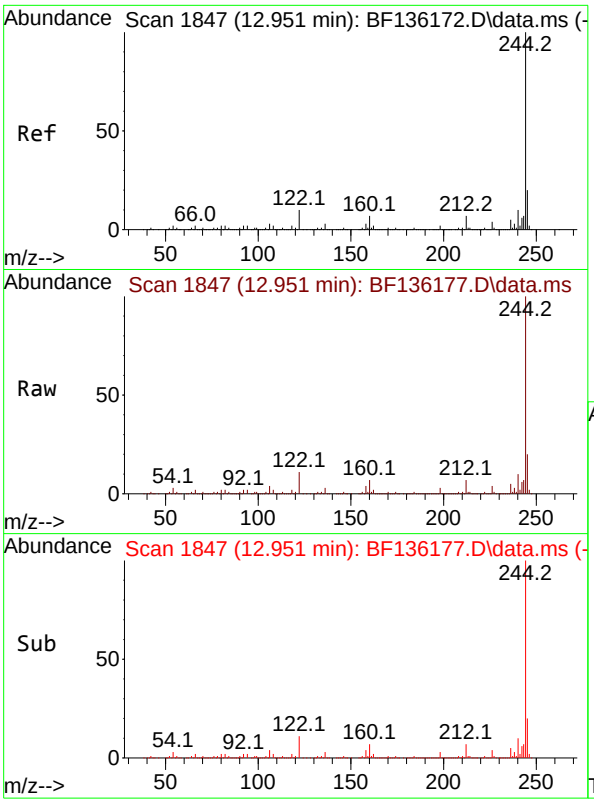


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF136177.D
Acq: 07 Nov 2023 15:47

Tgt Ion:240 Resp: 196372

Ion	Ratio	Lower	Upper
240	100		
120	9.5	7.1	10.7
236	24.4	20.9	31.3



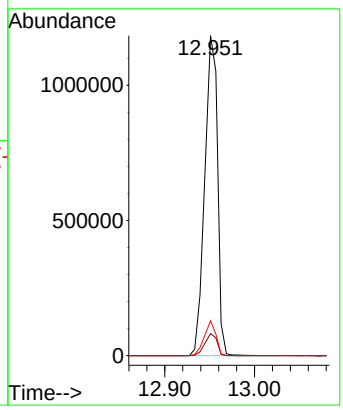


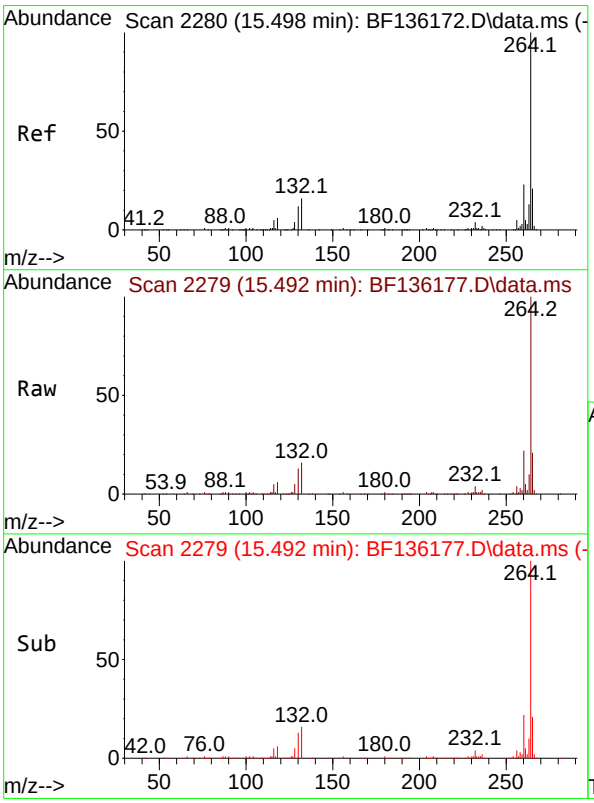
#79
Terphenyl-d14
Concen: 84.882 ng
RT: 12.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF136177.D
Acq: 07 Nov 2023 15:47

Instrument :
BNA_F
ClientSampleId :
PB156921BL

Tgt Ion:244 Resp: 1174267

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	10.9	8.1	12.1

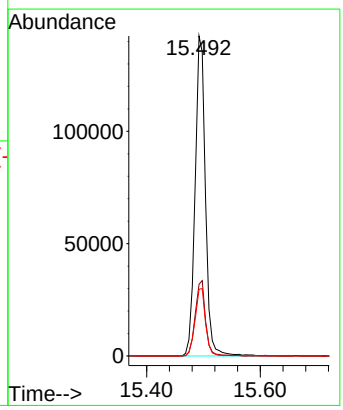




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 2279
Delta R.T. -0.006 min
Lab File: BF136177.D
Acq: 07 Nov 2023 15:47

Tgt Ion:264 Resp: 181071

Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.5	27.7
265	20.9	16.9	25.3



Sample Results: **BF136177.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136177.D
Acq On : 07 Nov 2023 15:47
Operator : CG\JU
Sample : PB156921BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB156921BL

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-BF110723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF136177.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.075	505	508	514	rVB	29719	37645	1.20%	0.187%
2	5.457	567	573	576	rBV	2475270	2518207	80.40%	12.480%
3	6.451	736	742	745	rBV	2061583	2504493	79.96%	12.412%
4	6.816	801	804	808	rVB	714301	550560	17.58%	2.728%
5	7.381	895	900	903	rBV	1683536	1676448	53.53%	8.308%
6	8.098	1018	1022	1025	rBV	930985	722778	23.08%	3.582%
7	9.181	1201	1206	1209	rBV	3898505	3131990	100.00%	15.522%
8	9.857	1317	1321	1324	rBV	1011857	815673	26.04%	4.042%
9	10.651	1451	1456	1459	rBV	2121964	1890463	60.36%	9.369%
10	11.351	1571	1575	1578	rBV	911897	806669	25.76%	3.998%
11	12.951	1843	1847	1850	rBV	3133229	3012309	96.18%	14.929%
12	14.004	2022	2026	2030	rBV	632736	523517	16.72%	2.594%
13	14.110	2040	2044	2048	rBV2	47245	46288	1.48%	0.229%
14	14.504	2107	2111	2118	rBV	115713	125070	3.99%	0.620%
15	14.898	2173	2178	2189	rBV	148693	205416	6.56%	1.018%
16	15.351	2249	2255	2267	rBV	163819	254262	8.12%	1.260%
17	15.492	2274	2279	2288	rBV	364096	454708	14.52%	2.253%
18	15.880	2337	2345	2358	rBV2	129281	261132	8.34%	1.294%
19	16.510	2443	2452	2468	rBV3	94759	241779	7.72%	1.198%
20	17.274	2573	2582	2594	rBV4	68296	205070	6.55%	1.016%
21	18.227	2732	2744	2762	rBV5	50675	193698	6.18%	0.960%

Sum of corrected areas: 20178175

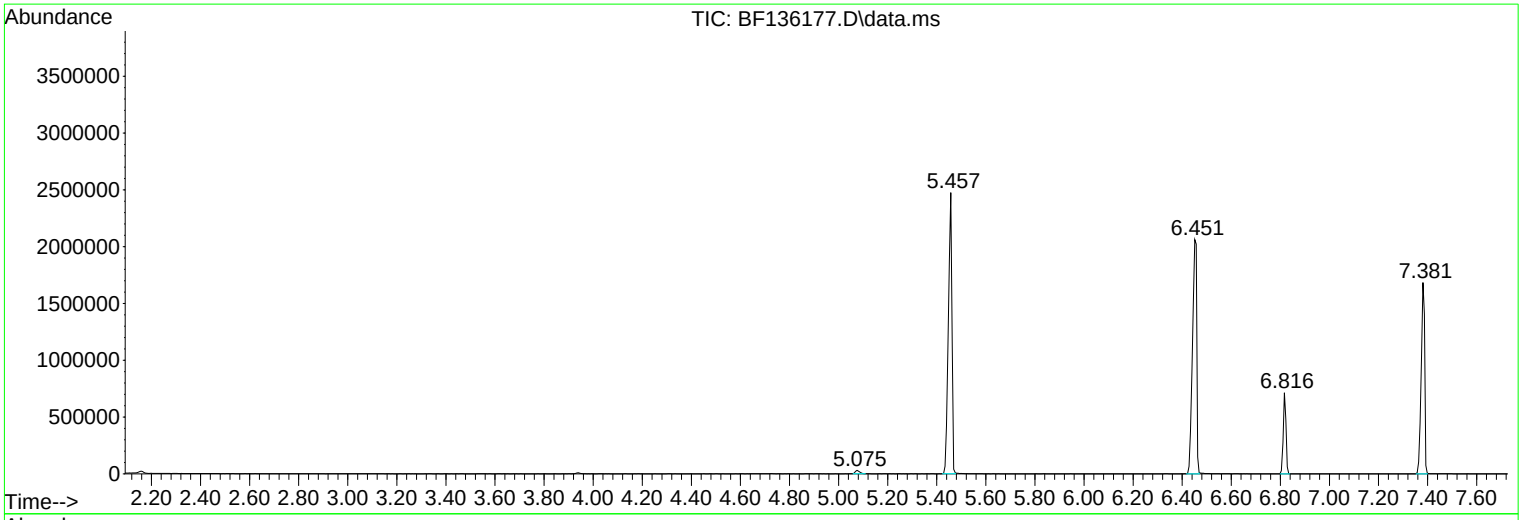
Sample Results: **BF136177.D**

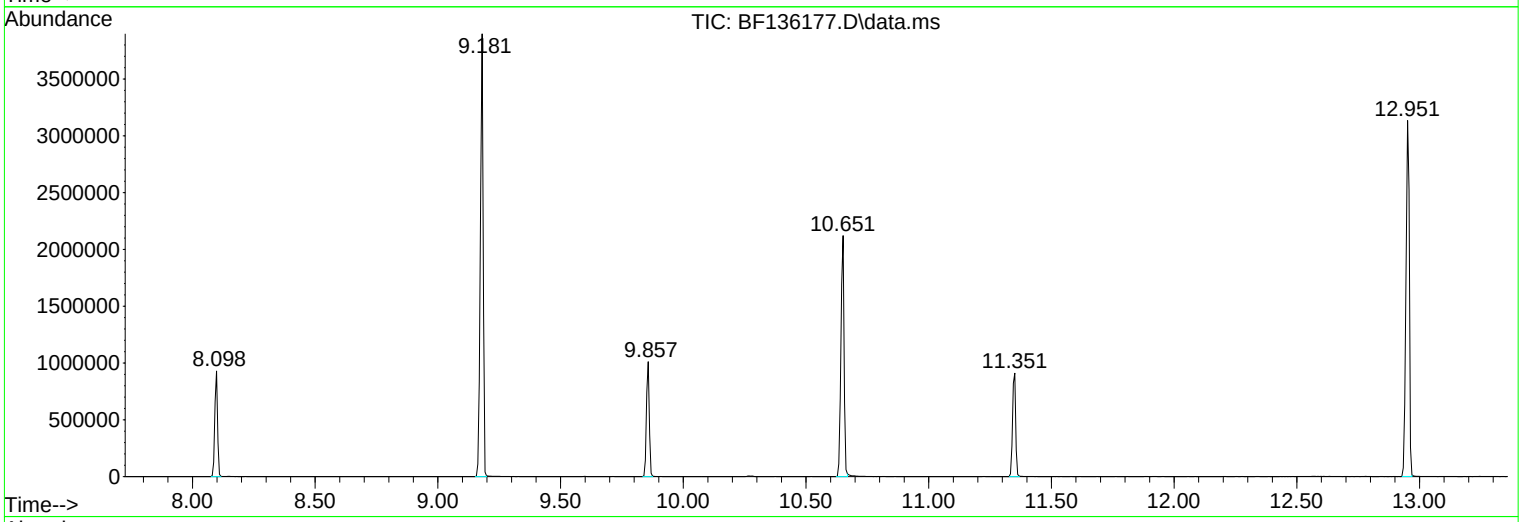
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136177.D
Acq On : 07 Nov 2023 15:47
Operator : CG\JU
Sample : PB156921BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

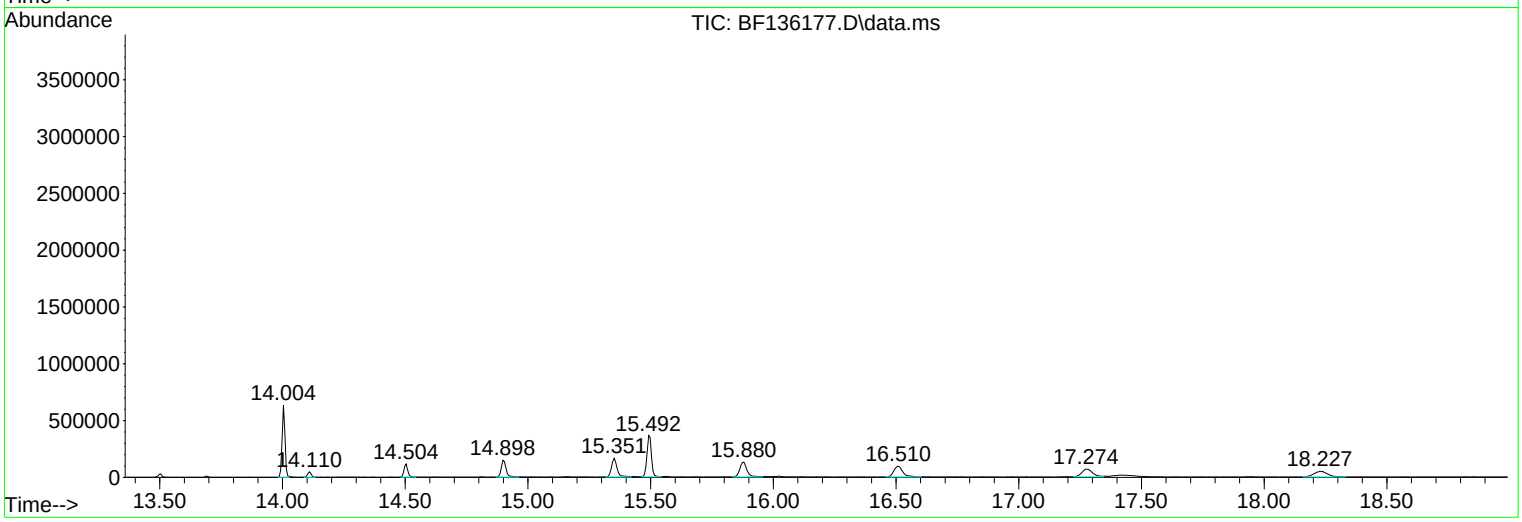
Instrument :
BNA_F
ClientSampleId :
PB156921BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.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\BF110723\
Data File : BF136177.D
Acq On : 07 Nov 2023 15:47
Operator : CG\JU
Sample : PB156921BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB156921BL

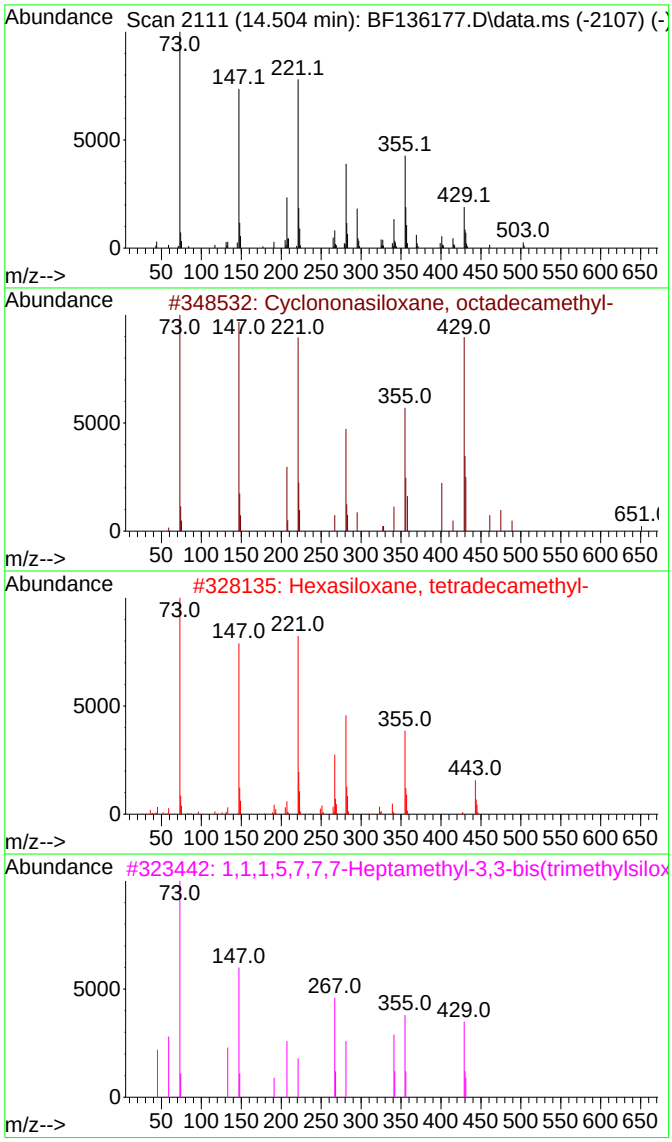
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

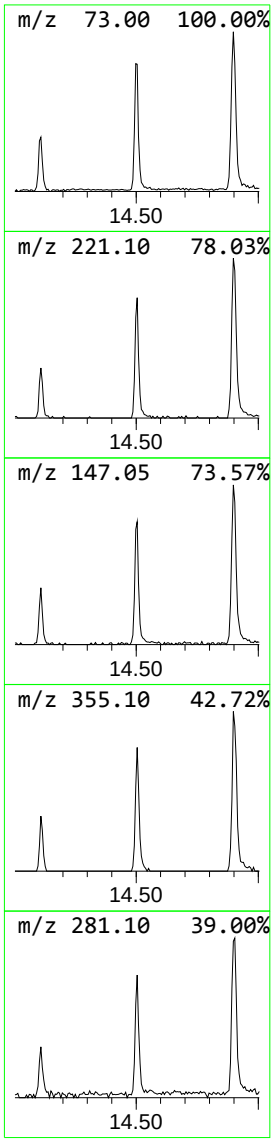
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Cyclononasiloxane, octadeca... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.504	4.78 ng	125070	Chrysene-d12	14.004

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclononasiloxane, octadecamethyl-	666	C18H54O9Si9	000556-71-8	87
2	Hexasiloxane, tetradecamethyl-	458	C14H42O5Si6	000107-52-8	87
3	1,1,1,5,7,7,7-Heptamethyl-3,3-bi...	444	C13H40O5Si6	038147-00-1	37
4	Mercaptoacetic acid, 2TMS deriva...	236	C8H20O2SSi2	006398-62-5	37
5	N-Benzyl-N-ethyl-p-isopropylbenz...	281	C19H23NO	015089-22-2	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136177.D
Acq On : 07 Nov 2023 15:47
Operator : CG\JU
Sample : PB156921BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB156921BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

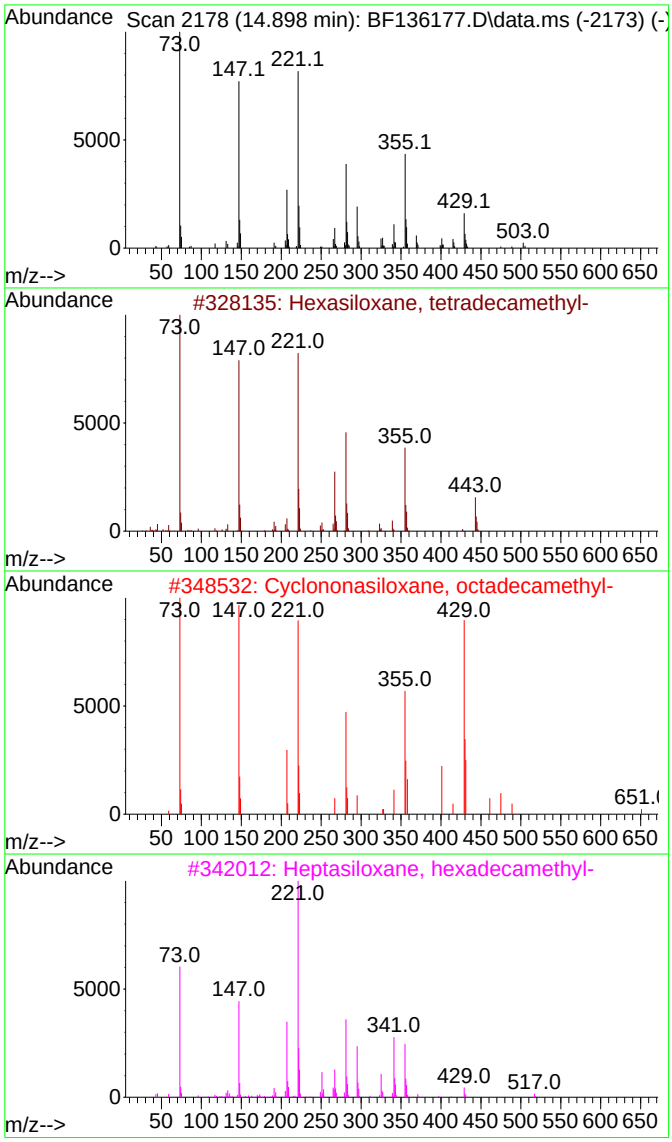
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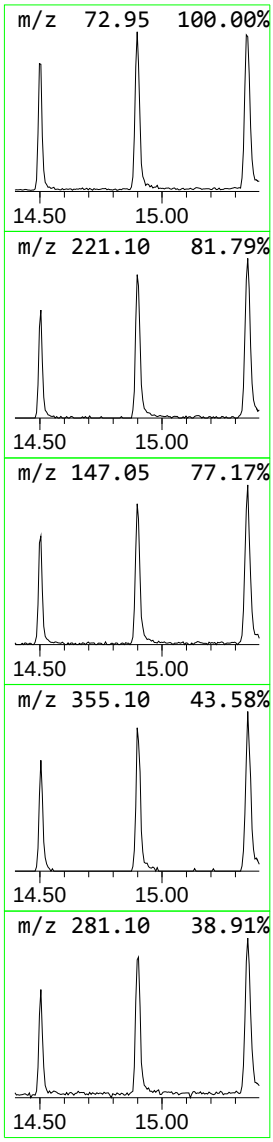
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Peak Number 2 Hexasiloxane, tetradecamethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.898	9.04 ng	205416	Perylene-d12	15.492

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexasiloxane, tetradecamethyl-	458	C14H42O5Si6	000107-52-8	87
2	Cyclononasiloxane, octadecamethyl-	666	C18H54O9Si9	000556-71-8	83
3	Heptasiloxane, hexadecamethyl-	532	C16H48O6Si7	000541-01-5	58
4	3,6-Dioxa-2,4,5,7-tetrasilaoctan...	294	C10H30O2Si4	004342-25-0	47
5	Mercaptoacetic acid, 2TMS deriva...	236	C8H20O2SSi2	006398-62-5	37





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136177.D
Acq On : 07 Nov 2023 15:47
Operator : CG\JU
Sample : PB156921BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB156921BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

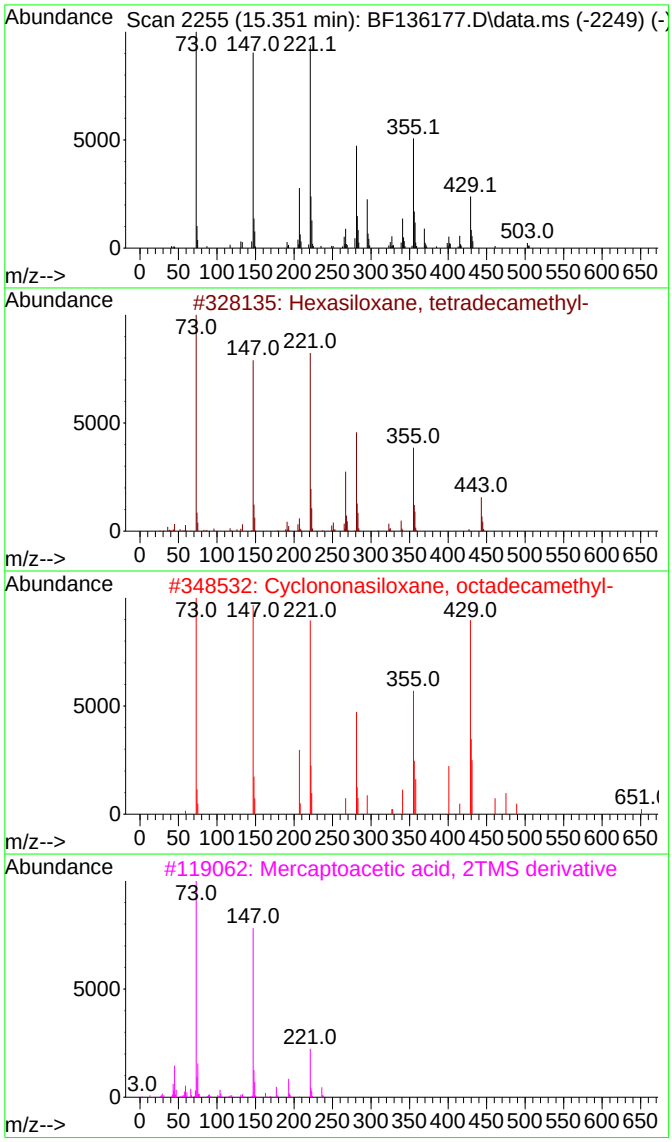
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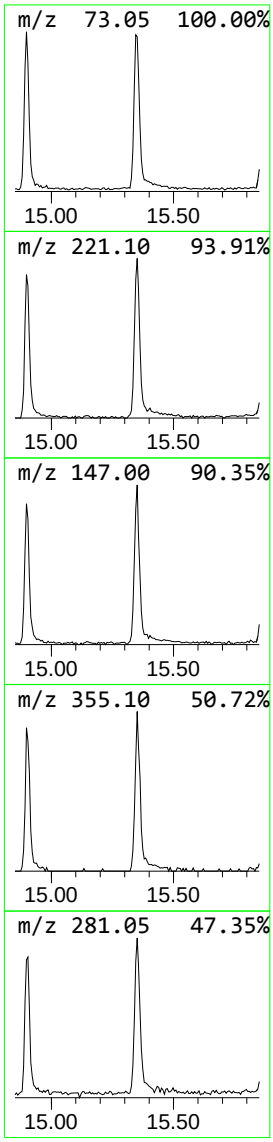
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Peak Number 3 unknown15.351 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.351	11.18 ng	254262	Perylene-d12	15.492

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexasiloxane, tetradecamethyl-	458	C14H42O5Si6	000107-52-8	87
2	Cyclononasiloxane, octadecamethyl-	666	C18H54O9Si9	000556-71-8	80
3	Mercaptoacetic acid, 2TMS deriva...	236	C8H20O2SSi2	006398-62-5	37
4	1,1,1,3,3,5,5,7,7,9,9,11,11,13,1...	680	C20H60O8Si9	002652-13-3	37
5	Pentasiloxane, dodecamethyl-	384	C12H36O4Si5	000141-63-9	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136177.D
Acq On : 07 Nov 2023 15:47
Operator : CG\JU
Sample : PB156921BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB156921BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

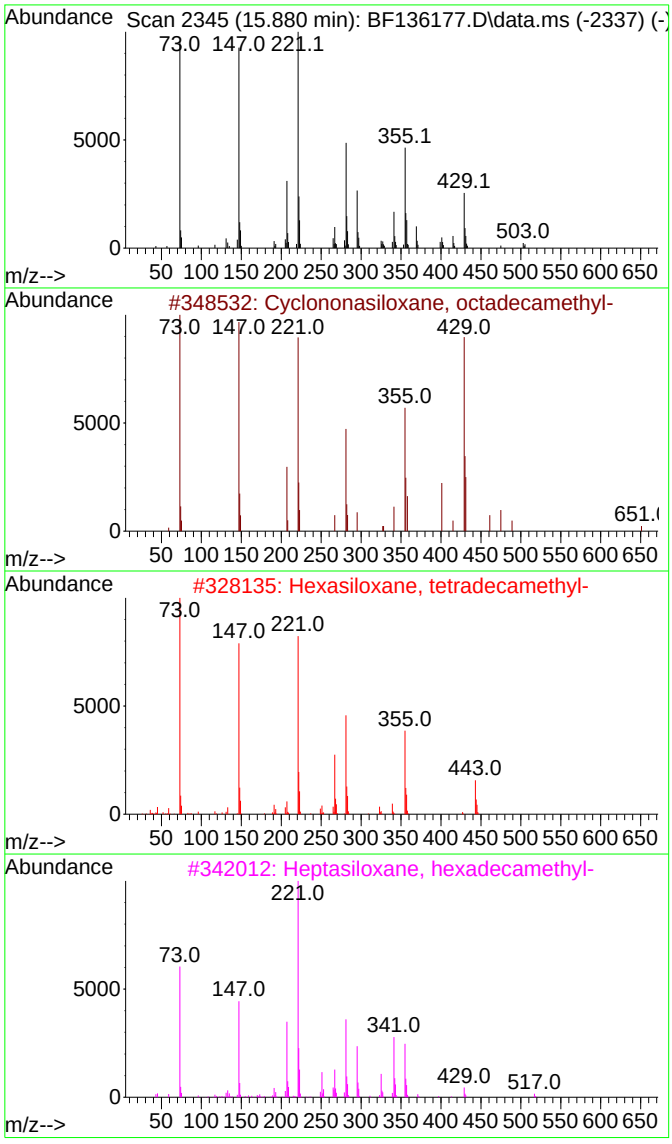
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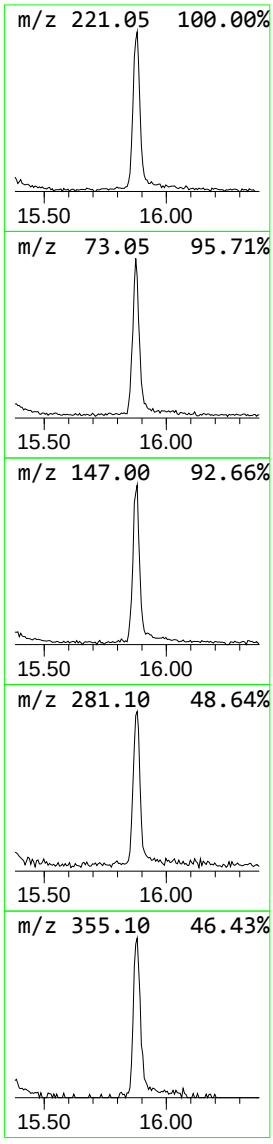
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Peak Number 4 unknown15.880 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.880	11.49 ng	261132	Perylene-d12	15.492

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclononasiloxane, octadecamethyl-	666	C18H54O9Si9	000556-71-8	86
2	Hexasiloxane, tetradecamethyl-	458	C14H42O5Si6	000107-52-8	81
3	Heptasiloxane, hexadecamethyl-	532	C16H48O6Si7	000541-01-5	42
4	Mercaptoacetic acid, 2TMS deriva...	236	C8H20O2SSi2	006398-62-5	32
5	N-Benzyl-N-ethyl-p-isopropylbenz...	281	C19H23NO	015089-22-2	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136177.D
Acq On : 07 Nov 2023 15:47
Operator : CG\JU
Sample : PB156921BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB156921BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

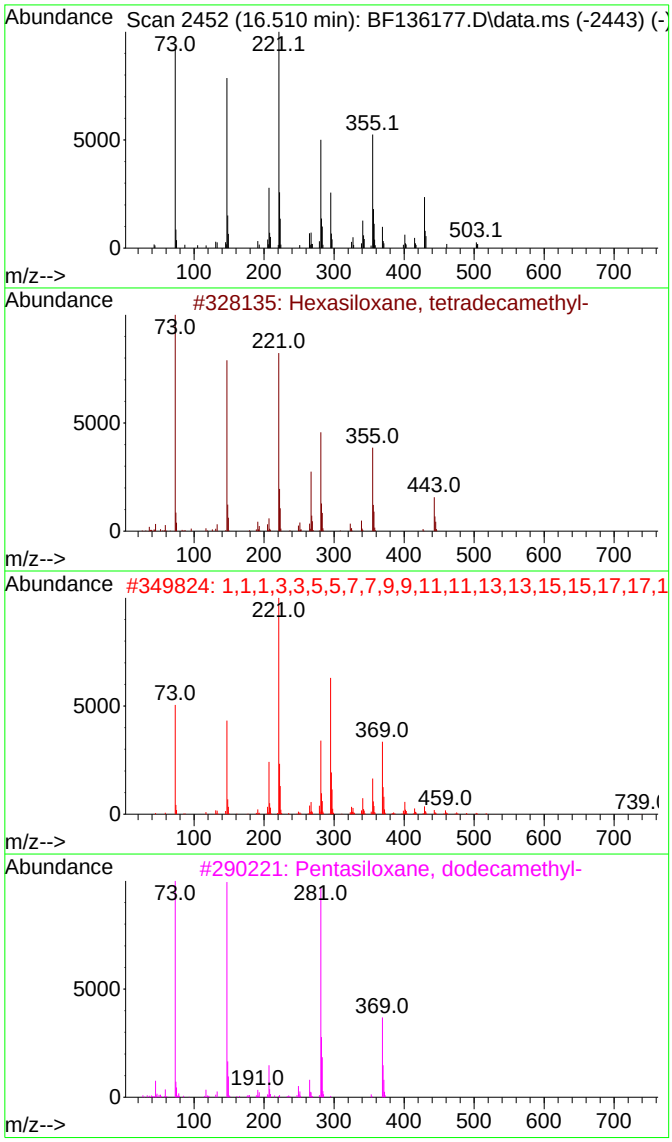
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TIC Integration Parameters: LSCINT.P

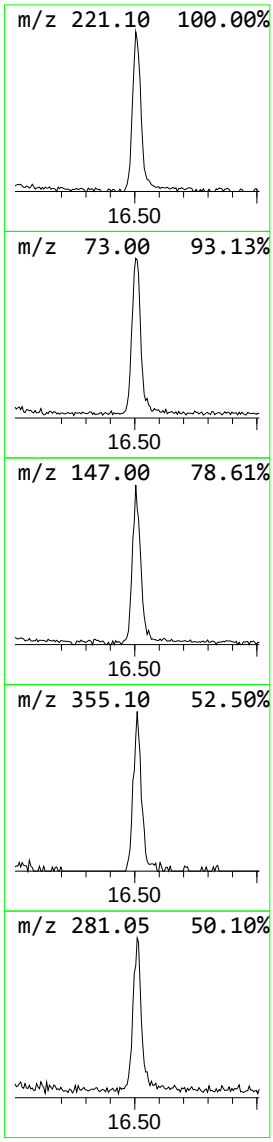
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Peak Number 5 unknown16.510 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.510	10.63 ng	241779	Perylene-d12	15.492

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexasiloxane, tetradecamethyl-	458	C14H42O5Si6	000107-52-8	83
2	1,1,1,3,3,5,5,7,7,9,9,11,11,13,1...	754	C22H66O9Si10	000556-70-7	49
3	Pentasiloxane, dodecamethyl-	384	C12H36O4Si5	000141-63-9	38
4	1,1,1,3,3,5,5,7,7,9,9,11,11,13,1...	680	C20H60O8Si9	002652-13-3	38
5	Mercaptoacetic acid, 2TMS deriva...	236	C8H20O2SSi2	006398-62-5	37





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136177.D
Acq On : 07 Nov 2023 15:47
Operator : CG\JU
Sample : PB156921BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB156921BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

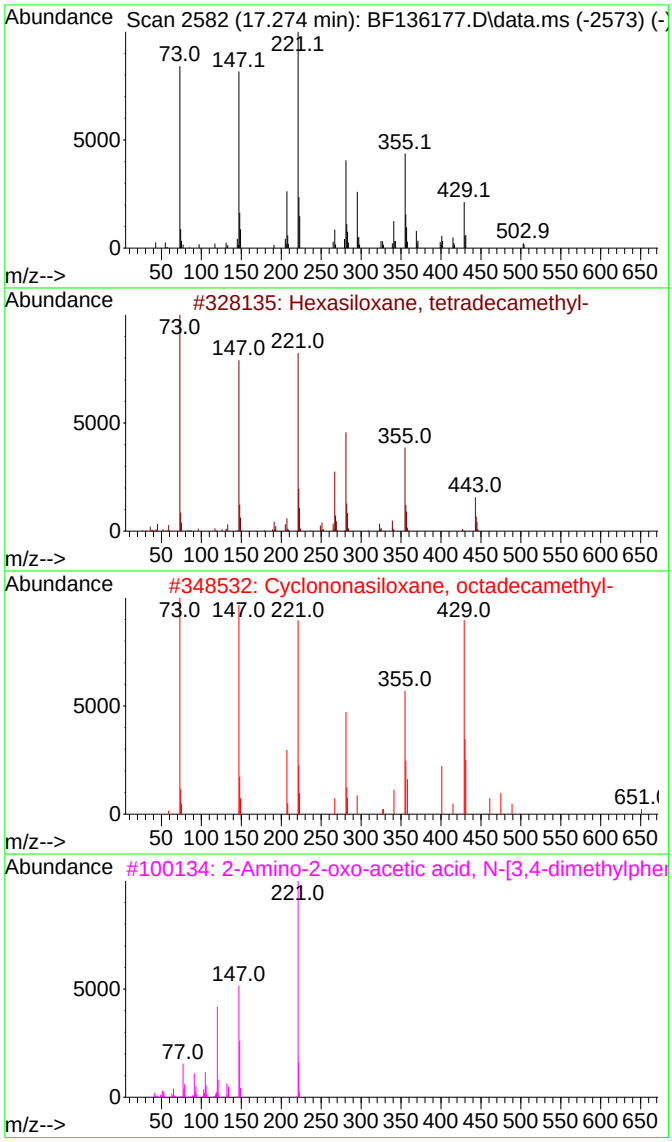
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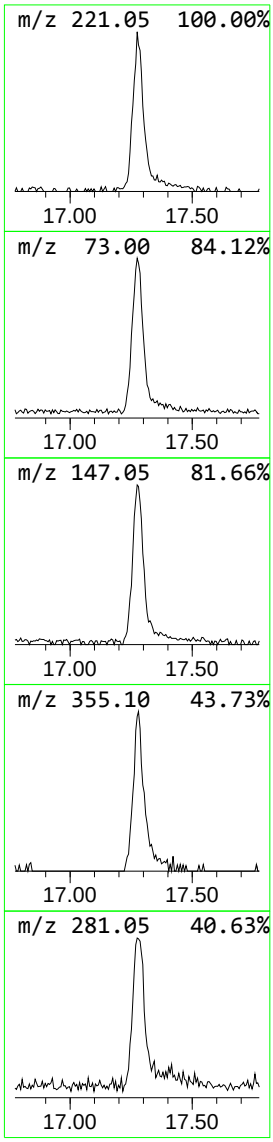
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Peak Number 6 unknown17.274 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.274	9.02 ng	205070	Perylene-d12	15.492

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexasiloxane, tetradecamethyl-	458	C14H42O5Si6	000107-52-8	72
2	Cyclononasiloxane, octadecamethyl-	666	C18H54O9Si9	000556-71-8	58
3	2-Amino-2-oxo-acetic acid, N-[3,...	221	C12H15NO3	024451-17-0	37
4	3,6-Dioxa-2,4,5,7-tetrasilaoctan...	294	C10H30O2Si4	004342-25-0	37
5	N-Benzyl-N-ethyl-p-isopropylbenz...	281	C19H23NO	015089-22-2	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136177.D
Acq On : 07 Nov 2023 15:47
Operator : CG\JU
Sample : PB156921BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

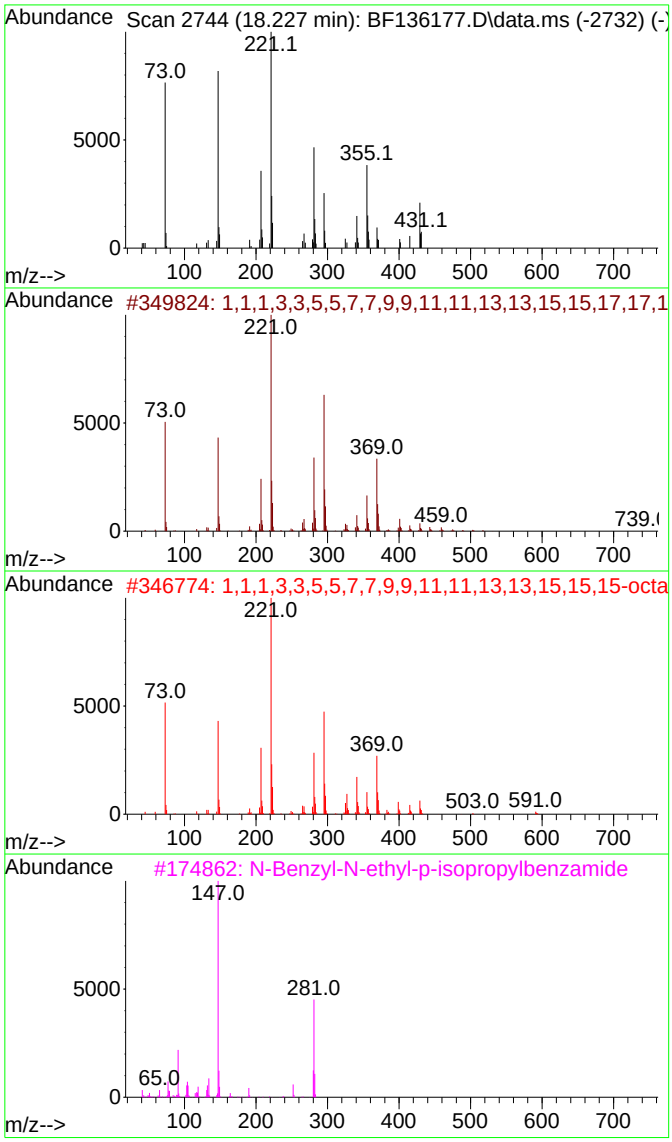
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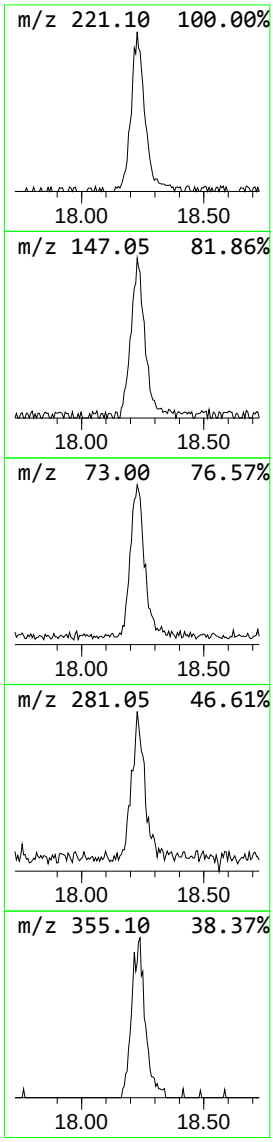
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Peak Number 7 1,1,1,3,3,5,5,7,7,9,9,11,11... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.227	8.52 ng	193698	Perylene-d12	15.492

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1,1,3,3,5,5,7,7,9,9,11,11,13,1...	754	C22H66O9Si10	000556-70-7	50
2	1,1,1,3,3,5,5,7,7,9,9,11,11,13,1...	606	C18H54O7Si8	000556-69-4	38
3	N-Benzyl-N-ethyl-p-isopropylbenz...	281	C19H23NO	015089-22-2	25
4	Pentasiloxane, dodecamethyl-	384	C12H36O4Si5	000141-63-9	22
5	3-Isopropoxy-1,1,1,7,7,7-hexamet...	576	C18H52O7Si7	071579-69-6	16





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136177.D
Acq On : 07 Nov 2023 15:47
Operator : CG\JU
Sample : PB156921BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB156921BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.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
Cyclononasiloxa...	14.504	4.8	ng	125070	5	14.004	523517	20.0
Hexasiloxane, t...	14.898	9.0	ng	205416	6	15.492	454708	20.0
unknown15.351	15.351	11.2	ng	254262	6	15.492	454708	20.0
unknown15.880	15.880	11.5	ng	261132	6	15.492	454708	20.0
unknown16.510	16.510	10.6	ng	241779	6	15.492	454708	20.0
unknown17.274	17.274	9.0	ng	205070	6	15.492	454708	20.0
1,1,1,3,3,5,5,7...	18.227	8.5	ng	193698	6	15.492	454708	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136178.D
Acq On : 07 Nov 2023 16:18
Operator : CG\JU
Sample : PB156921BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 08 02:57:18 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 02:12:01 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB156921BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/09/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	87663	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	351885	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	189065	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	332026	20.000	ng	0.00
76) Chrysene-d12	14.010	240	171609	20.000	ng	0.00
86) Perylene-d12	15.498	264	179783	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	699534	127.058	ng	0.01
7) Phenol-d6	6.457	99	843094	124.445	ng	0.00
23) Nitrobenzene-d5	7.386	82	517686	82.096	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	260670	131.641	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	1007868	78.800	ng	0.00
79) Terphenyl-d14	12.957	244	1017671	84.177	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.651	88	86029	39.020	ng	99
3) Pyridine	3.404	79	187528	31.656	ng	96
4) n-Nitrosodimethylamine	3.369	42	119295	43.904	ng	97
6) Aniline	6.486	93	284166	33.094	ng	100
8) 2-Chlorophenol	6.604	128	263978	44.540	ng	99
9) Benzaldehyde	6.369	77	83750	21.382	ng	96
10) Phenol	6.475	94	314329	42.484	ng	87
11) bis(2-Chloroethyl)ether	6.563	93	237170	43.615	ng	100
12) 1,3-Dichlorobenzene	6.763	146	275301	44.035	ng	99
13) 1,4-Dichlorobenzene	6.839	146	278837	44.480	ng	99
14) 1,2-Dichlorobenzene	6.986	146	262876	44.613	ng	98
15) Benzyl Alcohol	6.963	79	219560	43.332	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.098	45	323044	45.474	ng	99
17) 2-Methylphenol	7.075	107	202710	40.992	ng	97
18) Hexachloroethane	7.328	117	103497	45.240	ng	98
19) n-Nitroso-di-n-propyla...	7.239	70	171599	43.878	ng	96
20) 3+4-Methylphenols	7.228	107	257573	41.737	ng	97
22) Acetophenone	7.233	105	357605	44.017	ng	97
24) Nitrobenzene	7.404	77	264025	43.023	ng	99
25) Isophorone	7.639	82	480147	44.122	ng	100
26) 2-Nitrophenol	7.716	139	132849	44.665	ng	96
27) 2,4-Dimethylphenol	7.757	122	227244	45.485	ng	99
28) bis(2-Chloroethoxy)met...	7.857	93	288121	43.902	ng	99
29) 2,4-Dichlorophenol	7.957	162	216315	44.406	ng	98
30) 1,2,4-Trichlorobenzene	8.045	180	238325	43.939	ng	96
31) Naphthalene	8.128	128	739123	42.640	ng	100
32) Benzoic acid	7.880	122	152731	42.063	ng	91
33) 4-Chloroaniline	8.175	127	221744	30.842	ng	99
34) Hexachlorobutadiene	8.239	225	143861	43.631	ng	98
35) Caprolactam	8.545	113	67189m	47.636	ng	
36) 4-Chloro-3-methylphenol	8.657	107	231251	45.214	ng	98
37) 2-Methylnaphthalene	8.816	142	485378	41.763	ng	98
38) 1-Methylnaphthalene	8.916	142	451933	41.912	ng	100
40) 1,2,4,5-Tetrachloroben...	8.980	216	235075	41.487	ng	98
41) Hexachlorocyclopentadiene	8.969	237	271652	92.969	ng	98
43) 2,4,6-Trichlorophenol	9.092	196	153946	43.389	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136178.D
Acq On : 07 Nov 2023 16:18
Operator : CG\JU
Sample : PB156921BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 08 02:57:18 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 02:12:01 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB156921BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/09/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.139	196	166967	40.849	ng		96
46) 1,1'-Biphenyl	9.286	154	618059	41.660	ng		98
47) 2-Chloronaphthalene	9.310	162	465700	42.946	ng		97
48) 2-Nitroaniline	9.404	65	144560	43.724	ng		88
49) Acenaphthylene	9.722	152	700951	41.877	ng		99
50) Dimethylphthalate	9.586	163	551973	43.210	ng		99
51) 2,6-Dinitrotoluene	9.651	165	121796	43.939	ng	#	86
52) Acenaphthene	9.898	154	522615m	46.877	ng		
53) 3-Nitroaniline	9.816	138	108904	36.849	ng		99
54) 2,4-Dinitrophenol	9.922	184	119485	87.821	ng		96
55) Dibenzofuran	10.069	168	652688	42.108	ng		98
56) 4-Nitrophenol	9.980	139	185297	94.349	ng		97
57) 2,4-Dinitrotoluene	10.051	165	164414	46.701	ng	#	87
58) Fluorene	10.416	166	502114	42.681	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.186	232	143432	46.300	ng		94
60) Diethylphthalate	10.292	149	545656	42.578	ng		99
61) 4-Chlorophenyl-phenyle...	10.404	204	253580	42.402	ng		100
62) 4-Nitroaniline	10.433	138	119357	44.313	ng		90
63) Azobenzene	10.569	77	491704	43.852	ng		96
65) 4,6-Dinitro-2-methylph...	10.463	198	83357	44.047	ng		87
66) n-Nitrosodiphenylamine	10.527	169	454804	43.176	ng		98
67) 4-Bromophenyl-phenylether	10.898	248	159395	43.104	ng		95
68) Hexachlorobenzene	10.963	284	182851	46.575	ng	#	91
69) Atrazine	11.057	200	98176	36.789	ng		97
70) Pentachlorophenol	11.157	266	187241	85.275	ng		99
71) Phenanthrene	11.380	178	746009	43.876	ng		98
72) Anthracene	11.433	178	748752	43.142	ng		100
73) Carbazole	11.586	167	636458	45.765	ng		99
74) Di-n-butylphthalate	11.927	149	756343	45.972	ng		99
75) Fluoranthene	12.574	202	703604	45.315	ng		100
77) Benzidine	12.698	184	154093	51.856	ng		98
78) Pyrene	12.804	202	692887	43.177	ng		98
80) Butylbenzylphthalate	13.433	149	235065	45.970	ng		96
81) Benzo(a)anthracene	13.998	228	503529	44.237	ng		99
82) 3,3'-Dichlorobenzidine	13.968	252	164095	44.907	ng		98
83) Chrysene	14.039	228	483148	43.386	ng		100
84) Bis(2-ethylhexyl)phtha...	14.004	149	282374	45.751	ng	#	99
85) Di-n-octyl phthalate	14.621	149	464345	44.936	ng		99
87) Indeno(1,2,3-cd)pyrene	17.021	276	611219	46.401	ng		99
88) Benzo(b)fluoranthene	15.062	252	475107	47.865	ng		99
89) Benzo(k)fluoranthene	15.092	252	486014	48.624	ng		99
90) Benzo(a)pyrene	15.439	252	432073	44.133	ng		98
91) Dibenzo(a,h)anthracene	17.045	278	507963	46.530	ng		99
92) Benzo(g,h,i)perylene	17.480	276	498898	45.075	ng		97

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

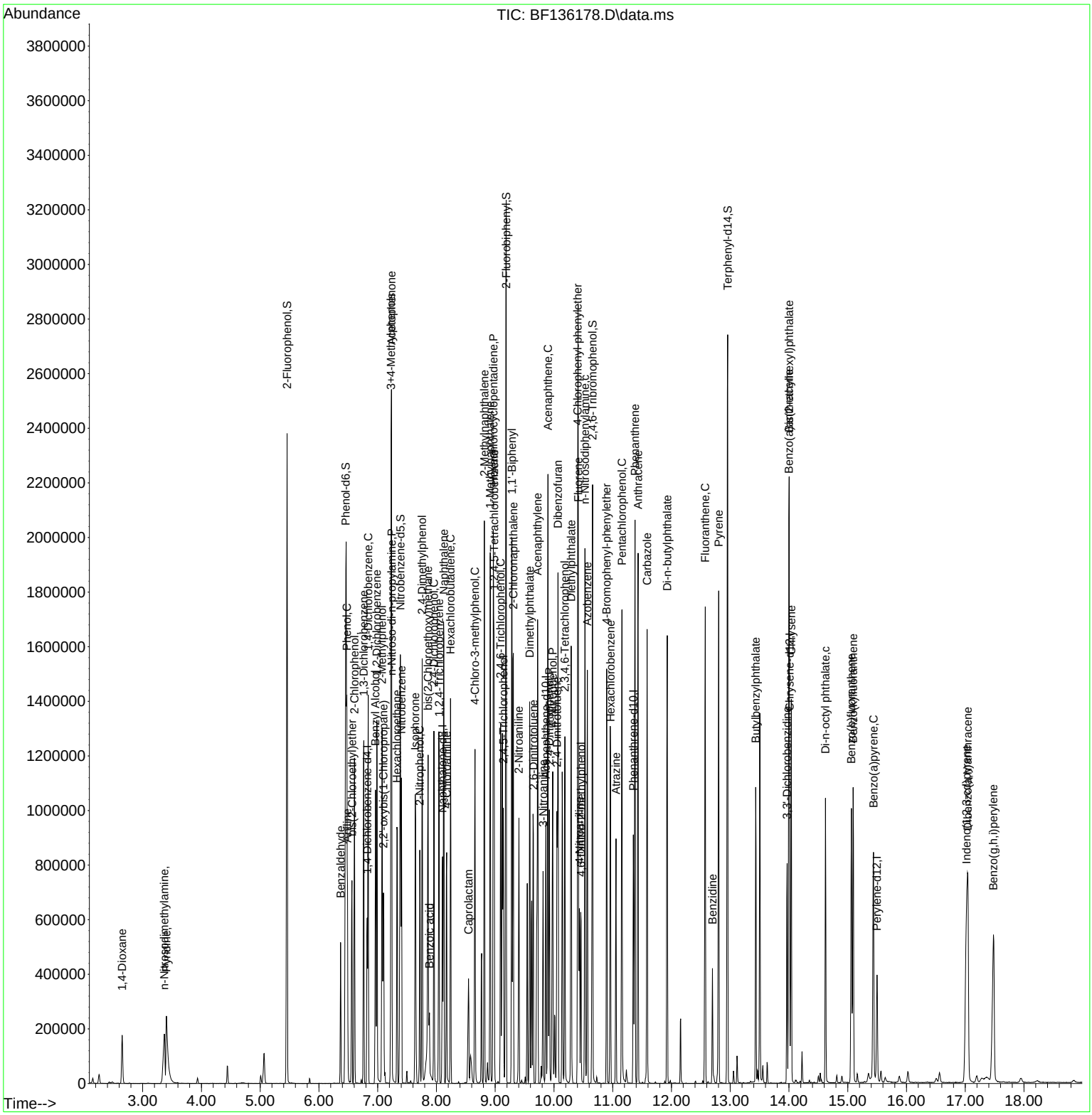
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Data File : BF136178.D
Acq On : 07 Nov 2023 16:18
Operator : CG\JU
Sample : PB156921BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 08 02:57:18 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 02:12:01 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB156921BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/09/2023



Sample Results: **BF136162.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136162.D
Acq On : 06 Nov 2023 18:59
Operator : CG\JU
Sample : 05257-05MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 06 23:30:25 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 06 00:53:35 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WC-2MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.822	152	84798	20.000	ng		0.00
21) Naphthalene-d8	8.104	136	326584	20.000	ng	#	0.00
39) Acenaphthene-d10	9.863	164	167090	20.000	ng		0.00
64) Phenanthrene-d10	11.351	188	266358	20.000	ng		0.00
76) Chrysene-d12	14.010	240	168860	20.000	ng		0.00
86) Perylene-d12	15.498	264	162522	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.457	112	602360	111.625	ng		0.01
7) Phenol-d6	6.457	99	743962	110.651	ng		0.00
23) Nitrobenzene-d5	7.386	82	466639	86.135	ng		0.00
42) 2,4,6-Tribromophenol	10.657	330	208128	116.698	ng		0.00
45) 2-Fluorobiphenyl	9.180	172	886940	84.617	ng		0.00
79) Terphenyl-d14	12.951	244	758175	69.775	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.657	88	88896	37.831	ng		99
3) Pyridine	3.404	79	217607	33.928	ng		95
4) n-Nitrosodimethylamine	3.375	42	123223	45.950	ng	#	85
6) Aniline	6.487	93	268899	30.891	ng		99
8) 2-Chlorophenol	6.604	128	278091	48.202	ng		99
9) Benzaldehyde	6.369	77	55918	14.915	ng		98
10) Phenol	6.475	94	327402m	47.080	ng		
11) bis(2-Chloroethyl)ether	6.563	93	250219	45.961	ng		98
12) 1,3-Dichlorobenzene	6.763	146	292387	48.694	ng		97
13) 1,4-Dichlorobenzene	6.839	146	293318	48.743	ng		98
14) 1,2-Dichlorobenzene	6.986	146	277604	49.336	ng		95
15) Benzyl Alcohol	6.963	79	234461	49.181	ng		94
16) 2,2'-oxybis(1-Chloropr...	7.098	45	331864	44.287	ng		100
17) 2-Methylphenol	7.075	107	211999	43.316	ng		95
18) Hexachloroethane	7.328	117	104287	49.307	ng		99
19) n-Nitroso-di-n-propyla...	7.239	70	176976	46.068	ng		96
20) 3+4-Methylphenols	7.228	107	266448	44.646	ng		97
22) Acetophenone	7.234	105	371515	51.302	ng	#	92
24) Nitrobenzene	7.404	77	273124	49.840	ng		93
25) Isophorone	7.639	82	495546	48.451	ng		97
26) 2-Nitrophenol	7.716	139	138836	55.529	ng	#	85
27) 2,4-Dimethylphenol	7.757	122	208182	44.063	ng		97
28) bis(2-Chloroethoxy)met...	7.857	93	299465	47.787	ng		98
29) 2,4-Dichlorophenol	7.957	162	228119	51.217	ng		95
30) 1,2,4-Trichlorobenzene	8.045	180	245133	50.451	ng		99
31) Naphthalene	8.128	128	763253	48.465	ng		99
32) Benzoic acid	7.881	122	172076	45.735	ng		89
33) 4-Chloroaniline	8.169	127	82496	11.962	ng		99
34) Hexachlorobutadiene	8.239	225	149181	53.538	ng		99
35) Caprolactam	8.551	113	73280m	50.598	ng		
36) 4-Chloro-3-methylphenol	8.657	107	241130	51.567	ng		97
37) 2-Methylnaphthalene	8.816	142	494532	46.832	ng		99
38) 1-Methylnaphthalene	8.916	142	480910	48.938	ng		100
40) 1,2,4,5-Tetrachloroben...	8.980	216	243130	51.021	ng		99
41) Hexachlorocyclopentadiene	8.969	237	167514	65.799	ng		99
43) 2,4,6-Trichlorophenol	9.092	196	157027	50.539	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136162.D
Acq On : 06 Nov 2023 18:59
Operator : CG\JU
Sample : 05257-05MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 06 23:30:25 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 06 00:53:35 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WC-2MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.139	196	169554	47.110	ng		98
46) 1,1'-Biphenyl	9.286	154	643646	50.531	ng		98
47) 2-Chloronaphthalene	9.310	162	481028	51.227	ng		99
48) 2-Nitroaniline	9.404	65	143248	51.547	ng		100
49) Acenaphthylene	9.722	152	759293	51.833	ng		99
50) Dimethylphthalate	9.586	163	562869	51.070	ng		99
51) 2,6-Dinitrotoluene	9.651	165	122860	52.120	ng		100
52) Acenaphthene	9.898	154	445292	47.817	ng		99
53) 3-Nitroaniline	9.816	138	83369	30.310	ng		94
54) 2,4-Dinitrophenol	9.922	184	83828	67.049	ng	#	84
55) Dibenzofuran	10.069	168	662544	48.792	ng		95
56) 4-Nitrophenol	9.980	139	186350	90.575	ng	#	78
57) 2,4-Dinitrotoluene	10.051	165	158420	53.116	ng		96
58) Fluorene	10.416	166	507306	49.898	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.186	232	137066	47.902	ng		97
60) Diethylphthalate	10.292	149	536740	50.969	ng		100
61) 4-Chlorophenyl-phenyle...	10.404	204	249659	49.194	ng		90
62) 4-Nitroaniline	10.433	138	111321	42.031	ng		91
63) Azobenzene	10.569	77	481356	47.463	ng		97
65) 4,6-Dinitro-2-methylph...	10.457	198	57823	40.533	ng		73
66) n-Nitrosodiphenylamine	10.527	169	444761	55.353	ng		99
67) 4-Bromophenyl-phenylether	10.898	248	154369	55.278	ng	#	93
68) Hexachlorobenzene	10.957	284	165737	55.570	ng	#	86
69) Atrazine	11.057	200	152260	69.647	ng		97
70) Pentachlorophenol	11.157	266	178386	93.131	ng		98
71) Phenanthrene	11.380	178	715998	53.388	ng		99
72) Anthracene	11.427	178	690315	50.233	ng		100
73) Carbazole	11.586	167	561955	47.057	ng		98
74) Di-n-butylphthalate	11.927	149	742586	54.419	ng		99
75) Fluoranthene	12.574	202	680233	49.373	ng		96
77) Benzidine	12.698	184	271143	82.384	ng		100
78) Pyrene	12.804	202	673497	45.239	ng		99
80) Butylbenzylphthalate	13.433	149	251615	47.216	ng		99
81) Benzo(a)anthracene	13.998	228	577155	51.628	ng		99
82) 3,3'-Dichlorobenzidine	13.968	252	170070	47.665	ng	#	99
83) Chrysene	14.039	228	558229	50.705	ng		99
84) Bis(2-ethylhexyl)phtha...	14.004	149	320131	51.562	ng		98
85) Di-n-octyl phthalate	14.621	149	563651	60.602	ng		100
87) Indeno(1,2,3-cd)pyrene	17.009	276	393803	37.075	ng		95
88) Benzo(b)fluoranthene	15.062	252	593108	61.675	ng		99
89) Benzo(k)fluoranthene	15.092	252	462100	48.564	ng		99
90) Benzo(a)pyrene	15.439	252	444333m	49.727	ng		
91) Dibenzo(a,h)anthracene	17.033	278	323674	37.201	ng		97
92) Benzo(g,h,i)perylene	17.468	276	299110	31.269	ng		96

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

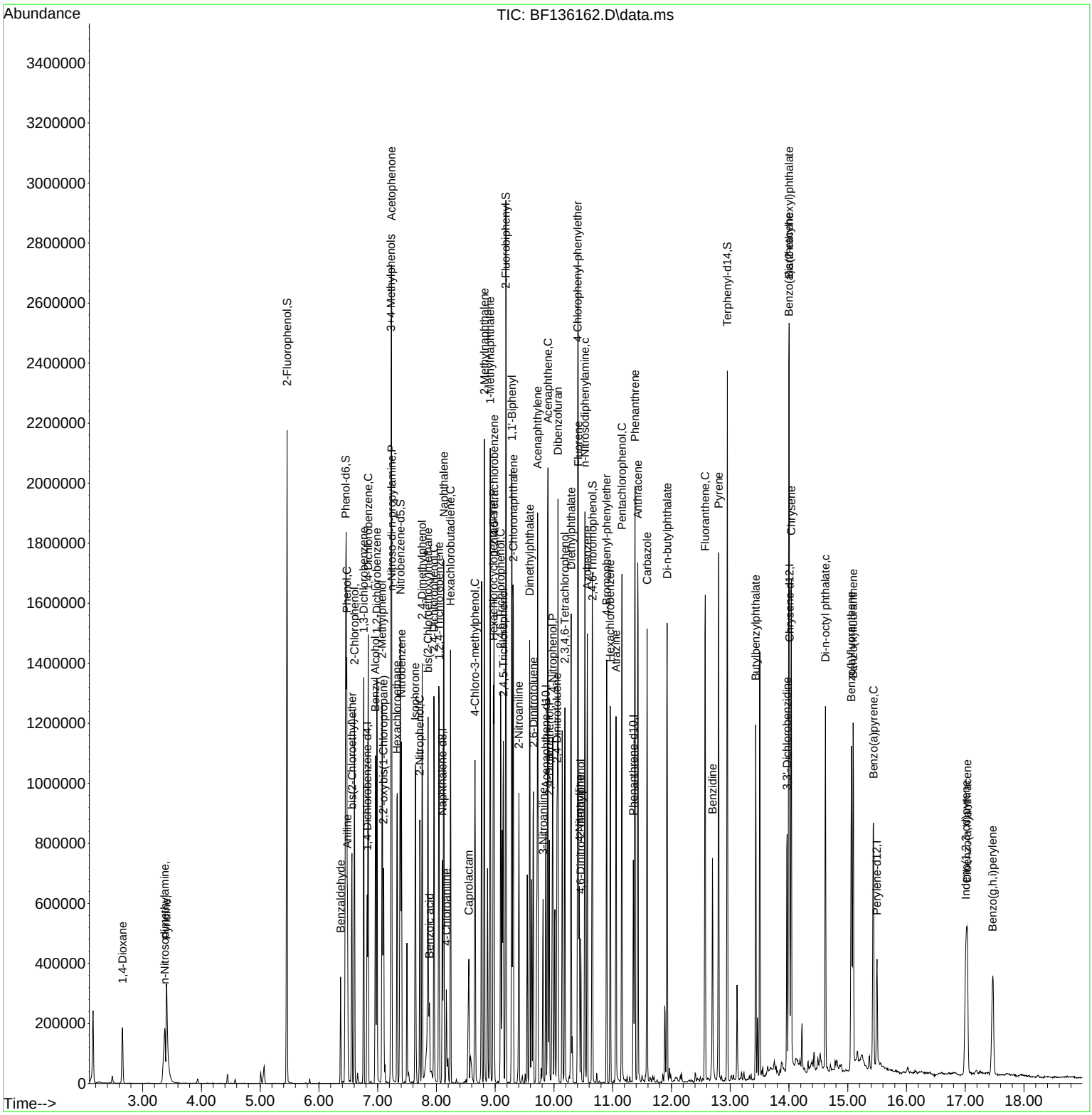
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Data File : BF136162.D
Acq On : 06 Nov 2023 18:59
Operator : CG\JU
Sample : 05257-05MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 06 23:30:25 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 06 00:53:35 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WC-2MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136163.D
Acq On : 06 Nov 2023 19:29
Operator : CG\JU
Sample : 05257-05MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 06 23:31:03 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 06 00:53:35 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WC-2MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.822	152	84667	20.000	ng		0.00
21) Naphthalene-d8	8.104	136	331240	20.000	ng	#	0.00
39) Acenaphthene-d10	9.863	164	166345	20.000	ng		0.00
64) Phenanthrene-d10	11.351	188	270586	20.000	ng		0.00
76) Chrysene-d12	14.009	240	171083	20.000	ng		0.00
86) Perylene-d12	15.498	264	163710	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.457	112	646016	119.900	ng		0.01
7) Phenol-d6	6.463	99	794287	118.319	ng		0.00
23) Nitrobenzene-d5	7.386	82	496314	90.324	ng		0.00
42) 2,4,6-Tribromophenol	10.657	330	225168	126.817	ng		0.00
45) 2-Fluorobiphenyl	9.186	172	942959	90.365	ng		0.00
79) Terphenyl-d14	12.951	244	829177	75.318	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.657	88	93427	39.821	ng		95
3) Pyridine	3.410	79	231170	36.098	ng		96
4) n-Nitrosodimethylamine	3.381	42	133658	49.919	ng		87
6) Aniline	6.486	93	284175	32.696	ng		99
8) 2-Chlorophenol	6.604	128	297626	51.668	ng		99
9) Benzaldehyde	6.369	77	60669	16.207	ng		97
10) Phenol	6.475	94	347216m	50.007	ng		
11) bis(2-Chloroethyl)ether	6.563	93	261829	48.168	ng		99
12) 1,3-Dichlorobenzene	6.763	146	309055	51.549	ng		96
13) 1,4-Dichlorobenzene	6.839	146	314092	52.276	ng		97
14) 1,2-Dichlorobenzene	6.992	146	295624	52.620	ng		97
15) Benzyl Alcohol	6.969	79	253448	53.246	ng		96
16) 2,2'-oxybis(1-Chloropr...	7.098	45	349086	46.657	ng		98
17) 2-Methylphenol	7.075	107	226680	46.387	ng		94
18) Hexachloroethane	7.333	117	112225	53.142	ng		91
19) n-Nitroso-di-n-propyla...	7.239	70	192459	50.176	ng		96
20) 3+4-Methylphenols	7.233	107	282481	47.405	ng		92
22) Acetophenone	7.233	105	395495	53.845	ng	#	89
24) Nitrobenzene	7.404	77	295166	53.105	ng		94
25) Isophorone	7.645	82	533408	51.420	ng		99
26) 2-Nitrophenol	7.722	139	151493	59.740	ng		98
27) 2,4-Dimethylphenol	7.757	122	220824	46.082	ng		94
28) bis(2-Chloroethoxy)met...	7.857	93	316437	49.786	ng		98
29) 2,4-Dichlorophenol	7.963	162	242840	53.755	ng		99
30) 1,2,4-Trichlorobenzene	8.045	180	266269	54.031	ng		100
31) Naphthalene	8.128	128	829216	51.913	ng		99
32) Benzoic acid	7.886	122	187786m	48.820	ng		
33) 4-Chloroaniline	8.169	127	82587	11.806	ng		97
34) Hexachlorobutadiene	8.239	225	158662	56.140	ng		98
35) Caprolactam	8.557	113	79036m	53.806	ng		
36) 4-Chloro-3-methylphenol	8.657	107	261185	55.071	ng		97
37) 2-Methylnaphthalene	8.816	142	523137	48.845	ng		99
38) 1-Methylnaphthalene	8.916	142	512441	51.414	ng		98
40) 1,2,4,5-Tetrachloroben...	8.980	216	260765	54.967	ng		99
41) Hexachlorocyclopentadiene	8.969	237	199732	78.806	ng		99
43) 2,4,6-Trichlorophenol	9.098	196	172249	55.687	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136163.D
Acq On : 06 Nov 2023 19:29
Operator : CG\JU
Sample : 05257-05MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 06 23:31:03 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 06 00:53:35 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WC-2MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.139	196	179316	50.045	ng		98
46) 1,1'-Biphenyl	9.286	154	683507	53.901	ng		98
47) 2-Chloronaphthalene	9.310	162	511533	54.720	ng		99
48) 2-Nitroaniline	9.404	65	151764	54.856	ng		98
49) Acenaphthylene	9.722	152	815374	55.911	ng		100
50) Dimethylphthalate	9.592	163	601010	54.775	ng		100
51) 2,6-Dinitrotoluene	9.651	165	132953	56.654	ng		98
52) Acenaphthene	9.898	154	477235m	51.477	ng		
53) 3-Nitroaniline	9.816	138	86926	31.745	ng		90
54) 2,4-Dinitrophenol	9.922	184	97817	77.216	ng	#	83
55) Dibenzofuran	10.069	168	709096	52.454	ng		94
56) 4-Nitrophenol	9.980	139	207272	101.195	ng	#	75
57) 2,4-Dinitrotoluene	10.057	165	169458	57.072	ng		95
58) Fluorene	10.416	166	538988	53.252	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.186	232	148158	52.010	ng		97
60) Diethylphthalate	10.292	149	581721	55.488	ng		99
61) 4-Chlorophenyl-phenyle...	10.410	204	267440	52.934	ng		98
62) 4-Nitroaniline	10.433	138	117034	44.386	ng		90
63) Azobenzene	10.569	77	516918	51.198	ng		97
65) 4,6-Dinitro-2-methylph...	10.463	198	65600	44.590	ng		96
66) n-Nitrosodiphenylamine	10.527	169	482464	59.107	ng		99
67) 4-Bromophenyl-phenylether	10.898	248	163941	57.789	ng	#	92
68) Hexachlorobenzene	10.963	284	180071	59.432	ng		98
69) Atrazine	11.063	200	161517	72.727	ng		98
70) Pentachlorophenol	11.157	266	191247	98.285	ng		99
71) Phenanthrene	11.380	178	764659	56.126	ng		99
72) Anthracene	11.433	178	744240	53.310	ng		99
73) Carbazole	11.586	167	618161	50.955	ng		99
74) Di-n-butylphthalate	11.927	149	797035	57.497	ng		99
75) Fluoranthene	12.574	202	744637	53.203	ng		96
77) Benzidine	12.698	184	290371	87.080	ng		100
78) Pyrene	12.804	202	750244	49.739	ng		99
80) Butylbenzylphthalate	13.433	149	273552	50.665	ng		98
81) Benzo(a)anthracene	13.998	228	634241	55.998	ng		99
82) 3,3'-Dichlorobenzidine	13.968	252	181551	50.222	ng	#	97
83) Chrysene	14.039	228	610200	54.705	ng		99
84) Bis(2-ethylhexyl)phtha...	13.998	149	345743	54.964	ng	#	96
85) Di-n-octyl phthalate	14.621	149	614219	65.181	ng		99
87) Indeno(1,2,3-cd)pyrene	17.015	276	442094	41.319	ng		95
88) Benzo(b)fluoranthene	15.062	252	639012	65.966	ng		99
89) Benzo(k)fluoranthene	15.098	252	511001m	53.314	ng		
90) Benzo(a)pyrene	15.439	252	484824	53.865	ng	#	98
91) Dibenzo(a,h)anthracene	17.039	278	365302	41.681	ng	#	96
92) Benzo(g,h,i)perylene	17.474	276	335081	34.451	ng		96

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

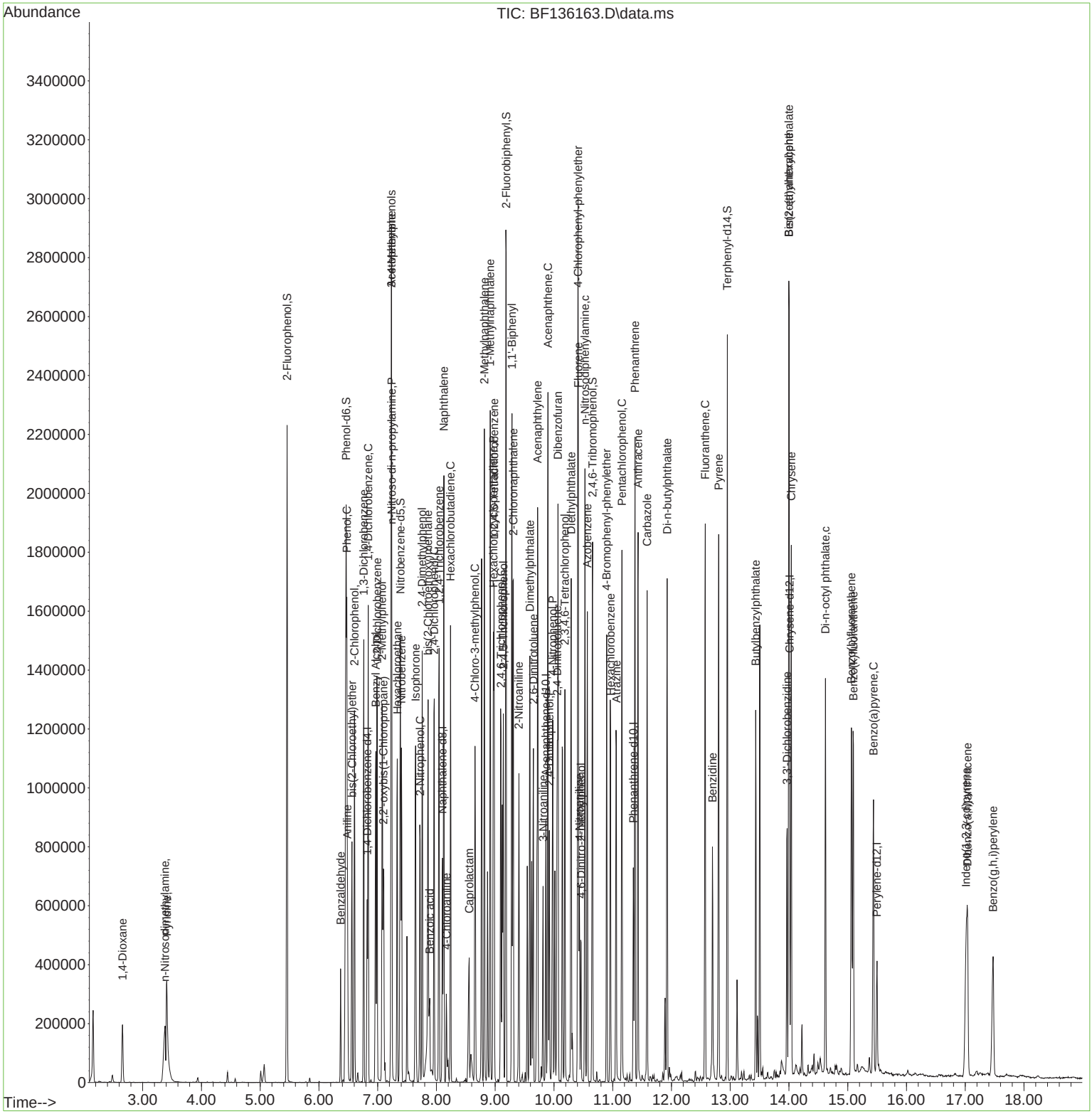
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136163.D
Acq On : 06 Nov 2023 19:29
Operator : CG\JU
Sample : 05257-05MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 06 23:31:03 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 06 00:53:35 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WC-2MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023



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Manual Integration Report

Sequence:	BF103023	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF136024.D	Phenol	yogesh	10/31/2023 4:26:33 AM	mohammad	10/31/2023 4:53:39 AM	Peak Integrated by Software
SSTDICC020	BF136026.D	Acenaphthene	yogesh	10/31/2023 4:26:35 AM	mohammad	10/31/2023 4:53:42 AM	Peak Integrated by Software
SSTDICC020	BF136026.D	Phenol	yogesh	10/31/2023 4:26:35 AM	mohammad	10/31/2023 4:53:42 AM	Peak Integrated by Software
SSTDICCC040	BF136027.D	Acenaphthene	yogesh	10/31/2023 4:26:37 AM	mohammad	10/31/2023 4:53:44 AM	Peak Integrated by Software
SSTDICCC040	BF136027.D	Benzoic acid	yogesh	10/31/2023 4:26:37 AM	mohammad	10/31/2023 4:53:44 AM	Peak Integrated by Software
SSTDICCC040	BF136027.D	Phenol	yogesh	10/31/2023 4:26:37 AM	mohammad	10/31/2023 4:53:44 AM	Peak Integrated by Software
SSTDICC050	BF136028.D	Acenaphthene	yogesh	10/31/2023 4:26:39 AM	mohammad	10/31/2023 4:53:47 AM	Peak Integrated by Software
SSTDICC050	BF136028.D	Benzoic acid	yogesh	10/31/2023 4:26:39 AM	mohammad	10/31/2023 4:53:47 AM	Peak Integrated by Software
SSTDICC050	BF136028.D	Phenol	yogesh	10/31/2023 4:26:39 AM	mohammad	10/31/2023 4:53:47 AM	Peak Integrated by Software
SSTDICC060	BF136029.D	Acenaphthene	yogesh	10/31/2023 4:26:40 AM	mohammad	10/31/2023 4:53:50 AM	Peak Integrated by Software
SSTDICC060	BF136029.D	Benzoic acid	yogesh	10/31/2023 4:26:40 AM	mohammad	10/31/2023 4:53:50 AM	Peak Integrated by Software
SSTDICC060	BF136029.D	Phenol	yogesh	10/31/2023 4:26:40 AM	mohammad	10/31/2023 4:53:50 AM	Peak Integrated by Software
SSTDICC080	BF136030.D	Acenaphthene	yogesh	10/31/2023 4:26:42 AM	mohammad	10/31/2023 4:53:53 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF103023	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC080	BF136030.D	Benzoic acid	yogesh	10/31/2023 4:26:42 AM	mohammad	10/31/2023 4:53:53 AM	Peak Integrated by Software
SSTDICC080	BF136030.D	Caprolactam	yogesh	10/31/2023 4:26:42 AM	mohammad	10/31/2023 4:53:53 AM	Peak Integrated by Software
SSTDICC080	BF136030.D	Phenol	yogesh	10/31/2023 4:26:42 AM	mohammad	10/31/2023 4:53:53 AM	Peak Integrated by Software
SSTDICV040	BF136031.D	Acenaphthene	yogesh	10/31/2023 4:26:46 AM	mohammad	10/31/2023 4:53:55 AM	Peak Integrated by Software
SSTDICV040	BF136031.D	Benzoic acid	yogesh	10/31/2023 4:26:46 AM	mohammad	10/31/2023 4:53:55 AM	Peak Integrated by Software
SSTDICV040	BF136031.D	Phenol	yogesh	10/31/2023 4:26:46 AM	mohammad	10/31/2023 4:53:55 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF110623	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF136149.D	Acenaphthene	yogesh	11/8/2023 12:35:36 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software
SSTDCCC040	BF136149.D	Benzoic acid	yogesh	11/8/2023 12:35:36 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software
SSTDCCC040	BF136149.D	Phenol	yogesh	11/8/2023 12:35:36 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software
O5257-05MS	BF136162.D	Benzo(a)pyrene	yogesh	11/8/2023 12:36:14 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software
O5257-05MS	BF136162.D	Caprolactam	yogesh	11/8/2023 12:36:14 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software
O5257-05MS	BF136162.D	Phenol	yogesh	11/8/2023 12:36:14 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software
O5257-05MSD	BF136163.D	Acenaphthene	yogesh	11/8/2023 12:36:15 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software
O5257-05MSD	BF136163.D	Benzo(k)fluoranthene	yogesh	11/8/2023 12:36:15 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software
O5257-05MSD	BF136163.D	Benzoic acid	yogesh	11/8/2023 12:36:15 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software
O5257-05MSD	BF136163.D	Caprolactam	yogesh	11/8/2023 12:36:15 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software
O5257-05MSD	BF136163.D	Phenol	yogesh	11/8/2023 12:36:15 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software
SSTDCCC040	BF136165.D	Acenaphthene	yogesh	11/8/2023 12:36:18 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software
SSTDCCC040	BF136165.D	Benzo(k)fluoranthene	yogesh	11/8/2023 12:36:18 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF110623	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF136165.D	Benzoic acid	yogesh	11/8/2023 12:36:18 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software
SSTDCCC040	BF136165.D	Phenol	yogesh	11/8/2023 12:36:18 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF110723	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF136169.D	Phenol	yogesh	11/9/2023 3:21:03 AM	mohammad	11/9/2023 3:24:19 AM	Peak Integrated by Software
SSTDICC010	BF136170.D	Benzo(b)fluoranthene	yogesh	11/9/2023 3:21:05 AM	mohammad	11/9/2023 3:24:19 AM	Peak Integrated by Software
SSTDICCC040	BF136172.D	Benzoic acid	yogesh	11/9/2023 3:21:07 AM	mohammad	11/9/2023 3:24:19 AM	Peak Integrated by Software
SSTDICC050	BF136173.D	Benzoic acid	yogesh	11/9/2023 3:21:08 AM	mohammad	11/9/2023 3:24:19 AM	Peak Integrated by Software
SSTDICC060	BF136174.D	Acenaphthene	yogesh	11/9/2023 3:21:10 AM	mohammad	11/9/2023 3:24:19 AM	Peak Integrated by Software
SSTDICC060	BF136174.D	Benzoic acid	yogesh	11/9/2023 3:21:10 AM	mohammad	11/9/2023 3:24:19 AM	Peak Integrated by Software
SSTDICC080	BF136175.D	Acenaphthene	yogesh	11/9/2023 3:21:12 AM	mohammad	11/9/2023 3:24:19 AM	Peak Integrated by Software
SSTDICC080	BF136175.D	Benzoic acid	yogesh	11/9/2023 3:21:12 AM	mohammad	11/9/2023 3:24:19 AM	Peak Integrated by Software
SSTDICV040	BF136176.D	Benzoic acid	yogesh	11/9/2023 3:21:13 AM	mohammad	11/9/2023 3:24:19 AM	Peak Integrated by Software
PB156921BS	BF136178.D	Acenaphthene	yogesh	11/9/2023 3:21:15 AM	mohammad	11/9/2023 3:24:19 AM	Peak Integrated by Software
PB156921BS	BF136178.D	Caprolactam	yogesh	11/9/2023 3:21:15 AM	mohammad	11/9/2023 3:24:19 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BM103023	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BM042489.D	Benzidine	yogesh	10/31/2023 4:28:41 AM	mohammad	10/31/2023 4:55:05 AM	Peak Integrated by Software
SSTDICC005	BM042489.D	Benzo(k)fluoranthene	yogesh	10/31/2023 4:28:41 AM	mohammad	10/31/2023 4:55:05 AM	Peak Integrated by Software
SSTDICC005	BM042489.D	Benzyl Alcohol	yogesh	10/31/2023 4:28:41 AM	mohammad	10/31/2023 4:55:05 AM	Peak Integrated by Software
SSTDICC010	BM042490.D	2,2"-oxybis(1-Chloropro pane)	yogesh	10/31/2023 4:28:42 AM	mohammad	10/31/2023 4:55:07 AM	Peak Integrated by Software
SSTDICC010	BM042490.D	2,4-Dimethylphenol	yogesh	10/31/2023 4:28:42 AM	mohammad	10/31/2023 4:55:07 AM	Peak Integrated by Software
SSTDICC010	BM042490.D	Benzidine	yogesh	10/31/2023 4:28:42 AM	mohammad	10/31/2023 4:55:07 AM	Peak Integrated by Software
SSTDICC010	BM042490.D	Benzoic acid	yogesh	10/31/2023 4:28:42 AM	mohammad	10/31/2023 4:55:07 AM	Peak Integrated by Software
SSTDICC010	BM042490.D	Benzyl Alcohol	yogesh	10/31/2023 4:28:42 AM	mohammad	10/31/2023 4:55:07 AM	Peak Integrated by Software
SSTDICC020	BM042491.D	2,2"-oxybis(1-Chloropro pane)	yogesh	10/31/2023 4:28:44 AM	mohammad	10/31/2023 4:55:10 AM	Peak Integrated by Software
SSTDICC020	BM042491.D	2,4-Dimethylphenol	yogesh	10/31/2023 4:28:44 AM	mohammad	10/31/2023 4:55:10 AM	Peak Integrated by Software
SSTDICC020	BM042491.D	Benzidine	yogesh	10/31/2023 4:28:44 AM	mohammad	10/31/2023 4:55:10 AM	Peak Integrated by Software
SSTDICC020	BM042491.D	Benzoic acid	yogesh	10/31/2023 4:28:44 AM	mohammad	10/31/2023 4:55:10 AM	Peak Integrated by Software
SSTDICC020	BM042491.D	Benzyl Alcohol	yogesh	10/31/2023 4:28:44 AM	mohammad	10/31/2023 4:55:10 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BM103023	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICCC040	BM042492.D	Benzyl Alcohol	yogesh	10/31/2023 4:28:46 AM	mohammad	10/31/2023 4:55:13 AM	Peak Integrated by Software
SSTDICC050	BM042493.D	2,2"-oxybis(1-Chloropropane)	yogesh	10/31/2023 4:28:48 AM	mohammad	10/31/2023 4:55:16 AM	Peak Integrated by Software
SSTDICC050	BM042493.D	Benzidine	yogesh	10/31/2023 4:28:48 AM	mohammad	10/31/2023 4:55:16 AM	Peak Integrated by Software
SSTDICC050	BM042493.D	Benzyl Alcohol	yogesh	10/31/2023 4:28:48 AM	mohammad	10/31/2023 4:55:16 AM	Peak Integrated by Software
SSTDICC060	BM042494.D	2,2"-oxybis(1-Chloropropane)	yogesh	10/31/2023 4:28:49 AM	mohammad	10/31/2023 4:55:18 AM	Peak Integrated by Software
SSTDICC060	BM042494.D	Benzyl Alcohol	yogesh	10/31/2023 4:28:49 AM	mohammad	10/31/2023 4:55:18 AM	Peak Integrated by Software
SSTDICC060	BM042494.D	Pyridine	yogesh	10/31/2023 4:28:49 AM	mohammad	10/31/2023 4:55:18 AM	Peak Integrated by Software
SSTDICC080	BM042495.D	2,2"-oxybis(1-Chloropropane)	yogesh	10/31/2023 4:28:51 AM	mohammad	10/31/2023 4:55:20 AM	Peak Integrated by Software
SSTDICC080	BM042495.D	Pyridine	yogesh	10/31/2023 4:28:51 AM	mohammad	10/31/2023 4:55:20 AM	Peak Integrated by Software
SSTDICV040	BM042496.D	2,2"-oxybis(1-Chloropropane)	yogesh	10/31/2023 4:28:52 AM	mohammad	10/31/2023 4:55:23 AM	Peak Integrated by Software
SSTDICV040	BM042496.D	2,4-Dimethylphenol	yogesh	10/31/2023 4:28:52 AM	mohammad	10/31/2023 4:55:23 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bm111023	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BM042685.D	2,2"-oxybis(1-Chloropropane)	yogesh	11/14/2023 4:39:05 PM	mohammad	11/16/2023 1:32:18 AM	Peak Integrated by Software

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF103023

Review By	yogesh	Review On	10/31/2023 4:29:34 AM		
Supervise By	mohammad	Supervise On	10/31/2023 4:54:30 AM		
SubDirectory	BF103023	HP Acquire Method	BNA_F	HP Processing Method	BF103023

STD. NAME	STD REF.#
Tune/Reschk	SP6271
Initial Calibration Stds	SP6228,SP6229,SP6230,SP6231,SP6232,SP6233,SP6234,SP6235,SP6236
CCC	SP6232
Internal Standard/PEM	S11507 10ul/1000ul sample
ICV/I.BLK	SP6324
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF136022.D	30 Oct 2023 11:02	CG\JU	Ok
2	SSTDICC2.5	BF136023.D	30 Oct 2023 12:02	CG\JU	Ok
3	SSTDICC005	BF136024.D	30 Oct 2023 12:32	CG\JU	Ok,M
4	SSTDICC010	BF136025.D	30 Oct 2023 13:02	CG\JU	Ok
5	SSTDICC020	BF136026.D	30 Oct 2023 13:33	CG\JU	Ok,M
6	SSTDICCC040	BF136027.D	30 Oct 2023 14:04	CG\JU	Ok,M
7	SSTDICC050	BF136028.D	30 Oct 2023 14:49	CG\JU	Ok,M
8	SSTDICC060	BF136029.D	30 Oct 2023 15:20	CG\JU	Ok,M
9	SSTDICC080	BF136030.D	30 Oct 2023 15:51	CG\JU	Ok,M
10	SSTDICV040	BF136031.D	30 Oct 2023 16:24	CG\JU	Ok,M
11	PB156520BL	BF136032.D	30 Oct 2023 17:26	CG\JU	Ok
12	PB156392BL	BF136033.D	30 Oct 2023 17:56	CG\JU	Ok
13	PB156520BS	BF136034.D	30 Oct 2023 18:27	CG\JU	Ok,M
14	O5027-01	BF136035.D	30 Oct 2023 19:01	CG\JU	Not Ok
15	O5090-01	BF136036.D	30 Oct 2023 19:32	CG\JU	Ok,M
16	O5062-01	BF136037.D	30 Oct 2023 20:02	CG\JU	Ok,M
17	O5073-01	BF136038.D	30 Oct 2023 20:33	CG\JU	Dilution
18	O5078-01	BF136039.D	30 Oct 2023 21:03	CG\JU	Ok,M
19	O4907-01RE	BF136040.D	30 Oct 2023 21:33	CG\JU	Confirms
20	O4704-02DL	BF136041.D	30 Oct 2023 22:04	CG\JU	Ok,M
21	O4704-04DL	BF136042.D	30 Oct 2023 22:34	CG\JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF110623

Review By	yogesh	Review On	11/6/2023 4:02:34 PM		
Supervise By	mohammad	Supervise On	11/8/2023 1:02:43 AM		
SubDirectory	BF110623	HP Acquire Method	BNA_F	HP Processing Method	BF103023

STD. NAME	STD REF.#
Tune/Reschk	SP6271
Initial Calibration Stds	SP6228,SP6229,SP6230,SP6231,SP6232,SP6233,SP6234,SP6235,SP6236
CCC	SP6232
Internal Standard/PEM	S11510 10ul/1000ul sample
ICV/I.BLK	SP6324
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF136148.D	06 Nov 2023 11:31	CG\JU	Ok
2	SSTDCCC040	BF136149.D	06 Nov 2023 12:01	CG\JU	Ok,M
3	PB156895BL	BF136150.D	06 Nov 2023 12:31	CG\JU	Ok
4	O5237-01	BF136151.D	06 Nov 2023 13:26	CG\JU	Ok,M
5	O5243-03	BF136152.D	06 Nov 2023 13:56	CG\JU	Ok
6	O5234-01	BF136153.D	06 Nov 2023 14:26	CG\JU	Ok
7	O5257-09	BF136154.D	06 Nov 2023 14:56	CG\JU	Ok
8	O5256-09	BF136155.D	06 Nov 2023 15:27	CG\JU	Ok,M
9	O5257-05	BF136156.D	06 Nov 2023 15:57	CG\JU	Ok,M
10	O5256-01	BF136157.D	06 Nov 2023 16:28	CG\JU	Ok,M
11	O5253-01	BF136158.D	06 Nov 2023 16:57	CG\JU	Ok,M
12	O5253-02	BF136159.D	06 Nov 2023 17:28	CG\JU	Dilution
13	O5256-05	BF136160.D	06 Nov 2023 17:59	CG\JU	Dilution
14	O5257-01	BF136161.D	06 Nov 2023 18:29	CG\JU	Dilution
15	O5257-05MS	BF136162.D	06 Nov 2023 18:59	CG\JU	Ok,M
16	O5257-05MSD	BF136163.D	06 Nov 2023 19:29	CG\JU	Ok,M
17	O5253-02DL	BF136164.D	06 Nov 2023 20:00	CG\JU	Ok,M
18	SSTDCCC040	BF136165.D	06 Nov 2023 21:01	CG\JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF110723

Review By	yogesh	Review On	11/7/2023 4:17:42 PM		
Supervise By	mohammad	Supervise On	11/9/2023 3:24:19 AM		
SubDirectory	BF110723	HP Acquire Method	BNA_F	HP Processing Method	BF110723

STD. NAME	STD REF.#
Tune/Reschk	SP6271
Initial Calibration Stds	SP6330,SP6331,SP6332,SP6333,SP6334,SP6335,SP6336,SP6337
CCC	SP6333
Internal Standard/PEM	S11510 10ul/1000ul sample
ICV/I.BLK	SP6324
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF136166.D	07 Nov 2023 09:28	CG\JU	Ok
2	SSTDCCC040	BF136167.D	07 Nov 2023 09:58	CG\JU	Not Ok
3	SSTDICC2.5	BF136168.D	07 Nov 2023 10:30	CG\JU	Ok
4	SSTDICC005	BF136169.D	07 Nov 2023 11:01	CG\JU	Ok,M
5	SSTDICC010	BF136170.D	07 Nov 2023 11:31	CG\JU	Ok,M
6	SSTDICC020	BF136171.D	07 Nov 2023 12:01	CG\JU	Ok
7	SSTDICCC040	BF136172.D	07 Nov 2023 12:31	CG\JU	Ok,M
8	SSTDICC050	BF136173.D	07 Nov 2023 13:02	CG\JU	Ok,M
9	SSTDICC060	BF136174.D	07 Nov 2023 13:33	CG\JU	Ok,M
10	SSTDICC080	BF136175.D	07 Nov 2023 14:03	CG\JU	Ok,M
11	SSTDICV040	BF136176.D	07 Nov 2023 15:17	CG\JU	Ok,M
12	PB156921BL	BF136177.D	07 Nov 2023 15:47	CG\JU	Ok
13	PB156921BS	BF136178.D	07 Nov 2023 16:18	CG\JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM103023

Review By	yogesh	Review On	10/31/2023 4:29:12 AM		
Supervise By	mohammad	Supervise On	10/31/2023 4:55:39 AM		
SubDirectory	BM103023	HP Acquire Method	BNA_M	HP Processing Method	BM103023

STD. NAME	STD REF.#
Tune/Reschk	SP6271
Initial Calibration Stds	SP6228,SP6229,SP6230,SP6231,SP6232,SP6233,SP6234,SP6235,SP6236
CCC	SP6232
Internal Standard/PEM	S11507 10ul/1000ul sample
ICV/I.BLK	SP6324
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM042487.D	30 Oct 2023 09:52	MA/JU	Ok
2	SSTDICC2.5	BM042488.D	30 Oct 2023 11:04	MA/JU	Ok
3	SSTDICC005	BM042489.D	30 Oct 2023 11:40	MA/JU	Ok,M
4	SSTDICC010	BM042490.D	30 Oct 2023 12:16	MA/JU	Ok,M
5	SSTDICC020	BM042491.D	30 Oct 2023 12:52	MA/JU	Ok,M
6	SSTDICCC040	BM042492.D	30 Oct 2023 13:29	MA/JU	Ok,M
7	SSTDICC050	BM042493.D	30 Oct 2023 14:05	MA/JU	Ok,M
8	SSTDICC060	BM042494.D	30 Oct 2023 14:41	MA/JU	Ok,M
9	SSTDICC080	BM042495.D	30 Oct 2023 15:18	MA/JU	Ok,M
10	SSTDICV040	BM042496.D	30 Oct 2023 16:23	MA/JU	Ok,M
11	PB156597TB	BM042497.D	30 Oct 2023 17:00	MA/JU	Ok
12	PB156526BS	BM042498.D	30 Oct 2023 17:36	MA/JU	Ok,M
13	PB156526BSD	BM042499.D	30 Oct 2023 18:13	MA/JU	Ok,M
14	PB156526BL	BM042500.D	30 Oct 2023 18:49	MA/JU	Ok
15	O4909-01RE	BM042501.D	30 Oct 2023 19:31	MA/JU	Confirms
16	O4958-02RE	BM042502.D	30 Oct 2023 20:07	MA/JU	Confirms
17	O5011-01DL	BM042503.D	30 Oct 2023 20:43	MA/JU	Ok

M : Manual Integration

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM111023

Review By	yogesh	Review On	11/10/2023 2:59:37 PM		
Supervise By	mohammad	Supervise On	11/16/2023 1:32:18 AM		
SubDirectory	BM111023	HP Acquire Method	BNA_M	HP Processing Method	BM103023

STD. NAME	STD REF.#
Tune/Reschk	SP6271
Initial Calibration Stds	SP6228,SP6229,SP6230,SP6231,SP6232,SP6233,SP6234,SP6235,SP6236
CCC	SP6232
Internal Standard/PEM	S11528 10ul/1000ul sample
ICV/I.BLK	SP6324
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM042684.D	10 Nov 2023 10:10	MA/JU	Ok
2	SSTDCCC040	BM042685.D	10 Nov 2023 11:22	MA/JU	Ok,M
3	PB156988BL	BM042686.D	10 Nov 2023 11:58	MA/JU	Not Ok
4	O5279-04	BM042687.D	10 Nov 2023 12:34	MA/JU	Ok
5	O5279-08	BM042688.D	10 Nov 2023 13:10	MA/JU	ReRun
6	O5295-04	BM042689.D	10 Nov 2023 13:46	MA/JU	ReRun
7	O5311-03	BM042690.D	10 Nov 2023 14:22	MA/JU	ReRun
8	O5280-02	BM042691.D	10 Nov 2023 14:58	MA/JU	ReRun
9	O5317-03	BM042692.D	10 Nov 2023 15:34	MA/JU	Dilution
10	O5279-01	BM042693.D	10 Nov 2023 16:09	MA/JU	Ok,M
11	O5279-05	BM042694.D	10 Nov 2023 16:46	MA/JU	Ok,M
12	O5317-01	BM042695.D	10 Nov 2023 17:22	MA/JU	Ok,M
13	O5292-01	BM042696.D	10 Nov 2023 17:58	MA/JU	Ok,M
14	O5291-01	BM042697.D	10 Nov 2023 18:34	MA/JU	Ok,M
15	O5252-01	BM042698.D	10 Nov 2023 19:10	MA/JU	Ok
16	O5253-03	BM042699.D	10 Nov 2023 19:46	MA/JU	Dilution
17	O5253-04	BM042700.D	10 Nov 2023 20:22	MA/JU	Dilution
18	O5257-01DL	BM042701.D	10 Nov 2023 20:58	MA/JU	Ok,M
19	O5256-05DL	BM042702.D	10 Nov 2023 21:35	MA/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF103023

Review By	yogesh	Review On	10/31/2023 4:29:34 AM		
Supervise By	mohammad	Supervise On	10/31/2023 4:54:30 AM		
SubDirectory	BF103023	HP Acquire Method	BNA_F	HP Processing Method	BF103023

STD. NAME	STD REF.#
Tune/Reschk	SP6271
Initial Calibration Stds	SP6228,SP6229,SP6230,SP6231,SP6232,SP6233,SP6234,SP6235,SP6236
CCC	SP6232
Internal Standard/PEM	S11507 10ul/1000ul sample
ICV/I.BLK	SP6324
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF136022.D	30 Oct 2023 11:02		CG\JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF136023.D	30 Oct 2023 12:02		CG\JU	Ok
3	SSTDICC005	SSTDICC005	BF136024.D	30 Oct 2023 12:32	Compound#32,54,65 removed from 5 ppm	CG\JU	Ok,M
4	SSTDICC010	SSTDICC010	BF136025.D	30 Oct 2023 13:02	The CAlibration is Good for Non-DOD and for 625.1.	CG\JU	Ok
5	SSTDICC020	SSTDICC020	BF136026.D	30 Oct 2023 13:33	Method is Good for DOD (Except Benzidine) and Good for 625.1.	CG\JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF136027.D	30 Oct 2023 14:04	Compound #32,54,65,92 Kept on LR	CG\JU	Ok,M
7	SSTDICC050	SSTDICC050	BF136028.D	30 Oct 2023 14:49		CG\JU	Ok,M
8	SSTDICC060	SSTDICC060	BF136029.D	30 Oct 2023 15:20		CG\JU	Ok,M
9	SSTDICC080	SSTDICC080	BF136030.D	30 Oct 2023 15:51		CG\JU	Ok,M
10	SSTDICV040	ICVBF103023	BF136031.D	30 Oct 2023 16:24		CG\JU	Ok,M
11	PB156520BL	PB156520BL	BF136032.D	30 Oct 2023 17:26		CG\JU	Ok
12	PB156392BL	PB156392BL	BF136033.D	30 Oct 2023 17:56		CG\JU	Ok
13	PB156520BS	PB156520BS	BF136034.D	30 Oct 2023 18:27		CG\JU	Ok,M
14	O5027-01	214	BF136035.D	30 Oct 2023 19:01	Internal standard not added	CG\JU	Not Ok
15	O5090-01	WC-1	BF136036.D	30 Oct 2023 19:32		CG\JU	Ok,M
16	O5062-01	NB-07-102523	BF136037.D	30 Oct 2023 20:02		CG\JU	Ok,M
17	O5073-01	OR-02-102523	BF136038.D	30 Oct 2023 20:33	Need Further 5X	CG\JU	Dilution

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF103023

Review By	yogesh	Review On	10/31/2023 4:29:34 AM		
Supervise By	mohammad	Supervise On	10/31/2023 4:54:30 AM		
SubDirectory	BF103023	HP Acquire Method	BNA_F	HP Processing Method	BF103023

STD. NAME	STD REF.#
Tune/Reschk	SP6271
Initial Calibration Stds	SP6228,SP6229,SP6230,SP6231,SP6232,SP6233,SP6234,SP6235,SP6236
CCC	SP6232
Internal Standard/PEM	S11507 10ul/1000ul sample
ICV/I.BLK	SP6324
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	O5078-01	EO-03-102323	BF136039.D	30 Oct 2023 21:03		CG\JU	Ok,M
19	O4907-01RE	OR-03-101623RE	BF136040.D	30 Oct 2023 21:33	Fax is already Given	CG\JU	Confirms
20	O4704-02DL	R-1(10-15)DL	BF136041.D	30 Oct 2023 22:04		CG\JU	Ok,M
21	O4704-04DL	R-3(10-15)DL	BF136042.D	30 Oct 2023 22:34		CG\JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF110623

Review By	yogesh	Review On	11/6/2023 4:02:34 PM		
Supervise By	mohammad	Supervise On	11/8/2023 1:02:43 AM		
SubDirectory	BF110623	HP Acquire Method	BNA_F	HP Processing Method	BF103023

STD. NAME	STD REF.#
Tune/Reschk	SP6271
Initial Calibration Stds	SP6228,SP6229,SP6230,SP6231,SP6232,SP6233,SP6234,SP6235,SP6236
CCC	SP6232
Internal Standard/PEM	S11510 10ul/1000ul sample
ICV/I.BLK	SP6324
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF136148.D	06 Nov 2023 11:31		CG\JU	Ok
2	SSTDCCC040	SSTDCCC040	BF136149.D	06 Nov 2023 12:01		CG\JU	Ok,M
3	PB156895BL	PB156895BL	BF136150.D	06 Nov 2023 12:31		CG\JU	Ok
4	O5237-01	111TH-ST-1	BF136151.D	06 Nov 2023 13:26		CG\JU	Ok,M
5	O5243-03	SB-11-AT-4.5-5.0	BF136152.D	06 Nov 2023 13:56		CG\JU	Ok
6	O5234-01	SP-A	BF136153.D	06 Nov 2023 14:26		CG\JU	Ok
7	O5257-09	WC-3	BF136154.D	06 Nov 2023 14:56		CG\JU	Ok
8	O5256-09	WC-10	BF136155.D	06 Nov 2023 15:27		CG\JU	Ok,M
9	O5257-05	WC-2	BF136156.D	06 Nov 2023 15:57		CG\JU	Ok,M
10	O5256-01	WC-1	BF136157.D	06 Nov 2023 16:28		CG\JU	Ok,M
11	O5253-01	L-1(65FT)(5-10)	BF136158.D	06 Nov 2023 16:57		CG\JU	Ok,M
12	O5253-02	L-6(0-5)	BF136159.D	06 Nov 2023 17:28	Need 10X	CG\JU	Dilution
13	O5256-05	WC-11	BF136160.D	06 Nov 2023 17:59	Need 2X	CG\JU	Dilution
14	O5257-01	WC-6	BF136161.D	06 Nov 2023 18:29	Need 2X	CG\JU	Dilution
15	O5257-05MS	WC-2MS	BF136162.D	06 Nov 2023 18:59		CG\JU	Ok,M
16	O5257-05MSD	WC-2MSD	BF136163.D	06 Nov 2023 19:29		CG\JU	Ok,M
17	O5253-02DL	L-6(0-5)DL	BF136164.D	06 Nov 2023 20:00		CG\JU	Ok,M
18	SSTDCCC040	SSTDCCC040EC	BF136165.D	06 Nov 2023 21:01		CG\JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF110723

Review By	yogesh	Review On	11/7/2023 4:17:42 PM		
Supervise By	mohammad	Supervise On	11/9/2023 3:24:19 AM		
SubDirectory	BF110723	HP Acquire Method	BNA_F	HP Processing Method	BF110723

STD. NAME	STD REF.#
Tune/Reschk	SP6271
Initial Calibration Stds	SP6330,SP6331,SP6332,SP6333,SP6334,SP6335,SP6336,SP6337
CCC	SP6333
Internal Standard/PEM	S11510 10ul/1000ul sample
ICV/I.BLK	SP6324
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF136166.D	07 Nov 2023 09:28		CG\JU	Ok
2	SSTDCCC040	SSTDCCC040	BF136167.D	07 Nov 2023 09:58	Need ICAL	CG\JU	Not Ok
3	SSTDICC2.5	SSTDICC2.5	BF136168.D	07 Nov 2023 10:30		CG\JU	Ok
4	SSTDICC005	SSTDICC005	BF136169.D	07 Nov 2023 11:01	Comopunds#32,54,65,77,85 removed from 5 ppm	CG\JU	Ok,M
5	SSTDICC010	SSTDICC010	BF136170.D	07 Nov 2023 11:31	Method is Good For DOD except compound#77	CG\JU	Ok,M
6	SSTDICC020	SSTDICC020	BF136171.D	07 Nov 2023 12:01	Compound #32,54,65 Kept on LR	CG\JU	Ok
7	SSTDICCC040	SSTDICCC040	BF136172.D	07 Nov 2023 12:31	Method is Good For DOD Except Com#77 and good for 625.1 Method	CG\JU	Ok,M
8	SSTDICC050	SSTDICC050	BF136173.D	07 Nov 2023 13:02		CG\JU	Ok,M
9	SSTDICC060	SSTDICC060	BF136174.D	07 Nov 2023 13:33		CG\JU	Ok,M
10	SSTDICC080	SSTDICC080	BF136175.D	07 Nov 2023 14:03		CG\JU	Ok,M
11	SSTDICV040	ICVBF110723	BF136176.D	07 Nov 2023 15:17		CG\JU	Ok,M
12	PB156921BL	PB156921BL	BF136177.D	07 Nov 2023 15:47		CG\JU	Ok
13	PB156921BS	PB156921BS	BF136178.D	07 Nov 2023 16:18		CG\JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM103023

Review By	yogesh	Review On	10/31/2023 4:29:12 AM		
Supervise By	mohammad	Supervise On	10/31/2023 4:55:39 AM		
SubDirectory	BM103023	HP Acquire Method	BNA_M	HP Processing Method	BM103023

STD. NAME	STD REF.#
Tune/Reschk	SP6271
Initial Calibration Stds	SP6228,SP6229,SP6230,SP6231,SP6232,SP6233,SP6234,SP6235,SP6236
CCC	SP6232
Internal Standard/PEM	S11507 10ul/1000ul sample
ICV/I.BLK	SP6324
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM042487.D	30 Oct 2023 09:52		MA/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BM042488.D	30 Oct 2023 11:04		MA/JU	Ok
3	SSTDICC005	SSTDICC005	BM042489.D	30 Oct 2023 11:40	Comopunds#32,35,41,42,54,56, 65,70 removed from 5 ppm	MA/JU	Ok,M
4	SSTDICC010	SSTDICC010	BM042490.D	30 Oct 2023 12:16		MA/JU	Ok,M
5	SSTDICC020	SSTDICC020	BM042491.D	30 Oct 2023 12:52	The Calibration is good for Methods 625.1, 8270 DOD & 8270 NON-DOD Except Benzidine as failed in ICV	MA/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BM042492.D	30 Oct 2023 13:29	Compounds#26,32,41,48,53,54, 56,57,62,65,91 kept on LR	MA/JU	Ok,M
7	SSTDICC050	SSTDICC050	BM042493.D	30 Oct 2023 14:05		MA/JU	Ok,M
8	SSTDICC060	SSTDICC060	BM042494.D	30 Oct 2023 14:41		MA/JU	Ok,M
9	SSTDICC080	SSTDICC080	BM042495.D	30 Oct 2023 15:18	Compounds#32,73 removed from 80 ppm	MA/JU	Ok,M
10	SSTDICV040	ICVBM103023	BM042496.D	30 Oct 2023 16:23		MA/JU	Ok,M
11	PB156597TB	PB156597TB	BM042497.D	30 Oct 2023 17:00		MA/JU	Ok
12	PB156526BS	PB156526BS	BM042498.D	30 Oct 2023 17:36		MA/JU	Ok,M
13	PB156526BSD	PB156526BSD	BM042499.D	30 Oct 2023 18:13		MA/JU	Ok,M
14	PB156526BL	PB156526BL	BM042500.D	30 Oct 2023 18:49		MA/JU	Ok
15	O4909-01RE	LCOL-12RE	BM042501.D	30 Oct 2023 19:31	Surrogate Fail	MA/JU	Confirms
16	O4958-02RE	EFF-WASTE-WATERR	BM042502.D	30 Oct 2023 20:07	Surrogate Fail	MA/JU	Confirms
17	O5011-01DL	RBR-200027DL	BM042503.D	30 Oct 2023 20:43		MA/JU	Ok

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM103023

Review By	yogesh	Review On	10/31/2023 4:29:12 AM		
Supervise By	mohammad	Supervise On	10/31/2023 4:55:39 AM		
SubDirectory	BM103023	HP Acquire Method	BNA_M	HP Processing Method	BM103023

STD. NAME	STD REF.#
Tune/Reschk	SP6271
Initial Calibration Stds	SP6228,SP6229,SP6230,SP6231,SP6232,SP6233,SP6234,SP6235,SP6236
CCC	SP6232
Internal Standard/PEM	S11507 10ul/1000ul sample
ICV/I.BLK	SP6324
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM111023

Review By	yogesh	Review On	11/10/2023 2:59:37 PM		
Supervise By	mohammad	Supervise On	11/16/2023 1:32:18 AM		
SubDirectory	BM111023	HP Acquire Method	BNA_M	HP Processing Method	BM103023

STD. NAME	STD REF.#
Tune/Reschk	SP6271
Initial Calibration Stds	SP6228,SP6229,SP6230,SP6231,SP6232,SP6233,SP6234,SP6235,SP6236
CCC	SP6232
Internal Standard/PEM	S11528 10ul/1000ul sample
ICV/I.BLK	SP6324
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM042684.D	10 Nov 2023 10:10		MA/JU	Ok
2	SSTDCCC040	SSTDCCC040	BM042685.D	10 Nov 2023 11:22	CCC failed high for comp. #04,15,19,34,41,42,61,67,68,77, 79	MA/JU	Ok,M
3	PB156988BL	PB156988BL	BM042686.D	10 Nov 2023 11:58	Surrogate Fail	MA/JU	Not Ok
4	O5279-04	TP-1	BM042687.D	10 Nov 2023 12:34		MA/JU	Ok
5	O5279-08	MH-1	BM042688.D	10 Nov 2023 13:10	Internal Standard Fail	MA/JU	ReRun
6	O5295-04	TP-2	BM042689.D	10 Nov 2023 13:46	Internal Standard Fail	MA/JU	ReRun
7	O5311-03	TP-1	BM042690.D	10 Nov 2023 14:22	Internal Standard Fail	MA/JU	ReRun
8	O5280-02	MH-1-GW	BM042691.D	10 Nov 2023 14:58	Internal Standard Fail	MA/JU	ReRun
9	O5317-03	RB-21148	BM042692.D	10 Nov 2023 15:34	Need 5X	MA/JU	Dilution
10	O5279-01	TP-1	BM042693.D	10 Nov 2023 16:09		MA/JU	Ok,M
11	O5279-05	MH-1	BM042694.D	10 Nov 2023 16:46		MA/JU	Ok,M
12	O5317-01	208	BM042695.D	10 Nov 2023 17:22		MA/JU	Ok,M
13	O5292-01	CORONA	BM042696.D	10 Nov 2023 17:58	Internal Standard Fail	MA/JU	Ok,M
14	O5291-01	QUEEN-PLAZA	BM042697.D	10 Nov 2023 18:34		MA/JU	Ok,M
15	O5252-01	WASTE	BM042698.D	10 Nov 2023 19:10		MA/JU	Ok
16	O5253-03	L-3(120FT)(0-5)	BM042699.D	10 Nov 2023 19:46	Need Further 10X	MA/JU	Dilution
17	O5253-04	L-3(195FT)(0-5)	BM042700.D	10 Nov 2023 20:22	Need Further 5X	MA/JU	Dilution
18	O5257-01DL	WC-6DL	BM042701.D	10 Nov 2023 20:58		MA/JU	Ok,M

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM111023

Review By	yogesh	Review On	11/10/2023 2:59:37 PM		
Supervise By	mohammad	Supervise On	11/16/2023 1:32:18 AM		
SubDirectory	BM111023	HP Acquire Method	BNA_M	HP Processing Method	BM103023

STD. NAME	STD REF.#
Tune/Reschk	SP6271
Initial Calibration Stds	SP6228,SP6229,SP6230,SP6231,SP6232,SP6233,SP6234,SP6235,SP6236
CCC	SP6232
Internal Standard/PEM	S11528 10ul/1000ul sample
ICV/I.BLK	SP6324
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	O5256-05DL	WC-11DL	BM042702.D	10 Nov 2023 21:35		MA/JU	Ok,M

M : Manual Integration

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EXTRACTION LOGPAGE

PB156921

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	N/A			**Extraction Start Date :**	11/06/2023
Matrix :	Solid			**Extraction Start Time :**	09:48
Weigh By:	RJ	**Extraction By:**	RJ	**Extraction End Date :**	11/06/2023
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	13:30
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	RJ
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	rajesh

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	SP6302
Surrogate	1.0ML	100/150 PPM	SP6274
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	EP2392
Baked Na2SO4	N/A	EP2405
Sand	N/A	E2865
Methylene Chloride	N/A	E3593
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
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:

1.5 ML Vial lot# 2210678. O5252,5253 Added in batch at 09:50.

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

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/6/23	RP (204-765)	JU/GC -
13:35	**Preparation Group**	**Analysis Group**

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EXTRACTION LOGPAGE

PrepBatch ID : PB156921

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 11/06/2023

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB156921BL	SBLK921	SVOC-TCL BNA -20	30.01	N/A	ritesh	RUPESH	1			U6-1
PB156921BS	SLCS921	SVOC-TCL BNA -20	30.03	N/A	ritesh	RUPESH	1			2
O5252-01	WASTE	SVOC-TCL BNA -20	30.05	N/A	ritesh	RUPESH	1	B		3
O5253-01	L-1(65FT)(5-10)	SVOC-TCL BNA -20	30.09	N/A	ritesh	RUPESH	1	E		4
O5253-02	L-6(0-5)	SVOC-TCL BNA -20	30.02	N/A	ritesh	RUPESH	1	E		5
O5253-03	L-3(120FT)(0-5)	SVOC-TCL BNA -20	30.07	N/A	ritesh	RUPESH	1	E		6
O5253-04	L-3(195FT)(0-5)	SVOC-TCL BNA -20	30.04	N/A	ritesh	RUPESH	1	E		U7-1
O5256-01	WC-1	SVOC-TCL BNA -20	50.05	N/A	ritesh	RUPESH	1	B		2
O5256-05	WC-11	SVOC-TCL BNA -20	50.03	N/A	ritesh	RUPESH	1	B		3
O5256-09	WC-10	SVOC-TCL BNA -20	50.07	N/A	ritesh	RUPESH	1	B		4
O5257-01	WC-6	SVOC-TCL BNA -20	50.09	N/A	ritesh	RUPESH	1	B		5
O5257-05	WC-2	SVOC-TCL BNA -20	50.03	N/A	ritesh	RUPESH	1	B		6
O5257-05MS	WC-2MS	SVOC-TCL BNA -20	50.08	N/A	ritesh	RUPESH	1	B		U1-1
O5257-05MSD	WC-2MSD	SVOC-TCL BNA -20	50.06	N/A	ritesh	RUPESH	1	B		2
O5257-09	WC-3	SVOC-TCL BNA -20	50.04	N/A	ritesh	RUPESH	1	B		3

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

11/6/23

175921
9:45

WORKLIST(Hardcopy Internal Chain)

WorkList Name : O5256S **WorkList ID :** 175304 **Department :** Extraction **Date :** 11-06-2023 08:43:52

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O5256-01	WC-1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L31	11/03/2023	8270E
O5256-05	WC-11	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L31	11/03/2023	8270E
O5256-09	WC-10	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L31	11/03/2023	8270E
O5257-01	WC-6	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L31	11/03/2023	8270E
O5257-05	WC-2	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L31	11/03/2023	8270E
O5257-09	WC-3	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L31	11/03/2023	8270E

Date/Time 11/6/23 9:45
Raw Sample Received by: RJ (Geo Lab)
Raw Sample Relinquished by: SM

Date/Time 11/6/23 10:05
Raw Sample Received by: SM
Raw Sample Relinquished by: RJ (Geo Lab)

WORKLIST(Hardcopy Internal Chain)

WorkList Name : p5252 **WorkList ID :** 175312 **Department :** Extraction **Date :** 11-06-2023 09:50:43

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O5252-01	WASTE	Solid	SVOC-TCL BNA -20	Cool 4 deg C	RMJE02	I31	11/03/2023	8270E
O5253-01	L-1(65FT)(5-10)	Solid	SVOC-TCL BNA -20	Cool 4 deg C	GEIC06	L21	11/02/2023	8270E
O5253-02	L-6(0-5)	Solid	SVOC-TCL BNA -20	Cool 4 deg C	GEIC06	L21	11/03/2023	8270E
O5253-03	L-3(120FT)(0-5)	Solid	SVOC-TCL BNA -20	Cool 4 deg C	GEIC06	L21	11/03/2023	8270E
O5253-04	L-3(195FT)(0-5)	Solid	SVOC-TCL BNA -20	Cool 4 deg C	GEIC06	L21	11/03/2023	8270E

Date/Time 11/6/23 9:50

Raw Sample Received by: RJ (Sol-Rich)

Raw Sample Relinquished by: SM

Date/Time 11/6/23 10:05

Raw Sample Received by: SM

Raw Sample Relinquished by: RJ (Sol-Rich)

CHEMTECH

284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	O5252	**OrderDate:**	11/3/2023 2:14:16 PM
Client:	RMJ Environomics, Inc.	**Project:**	245 Greenwood Ave
Contact:	Jonathan Pereira	**Location:**	I31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
O5252-01	**WASTE**	**SOIL**			**11/03/23**			**11/03/23**
			SVOC-TCL BNA -20	8270E		11/06/23	11/10/23	

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

Hit Summary Sheet
SW-846

SDG No.: O5252 **Order ID:** O5252

Client: RMJ Environomics, Inc. **Project ID:** 245 Greenwood Ave

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : WASTE								
O5252-01	WASTE	SOIL	4,4-DDE	0.00038	J	0.00020	0.0019	mg/Kg
O5252-01	WASTE	SOIL	4,4-DDT	0.00049	J	0.00023	0.0019	mg/Kg
O5252-01	WASTE	SOIL	alpha-Chlordane	0.00066	JP	0.00023	0.0019	mg/Kg
O5252-01	WASTE	SOIL	gamma-Chlordane	0.00039	J	0.00023	0.0019	mg/Kg
			Total Concentration:	**0.00192**				

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SAMPLE DATA

Raw Data: **PL086481.D**

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

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WASTE	SDG No.:	O5252
Lab Sample ID:	O5252-01	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	90.6 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL086481.D	1	11/06/23 09:10	11/06/23 17:38	PB156920

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.00026	U	0.00026	0.0019	mg/Kg
319-85-7	beta-BHC	0.00057	U	0.00057	0.0019	mg/Kg
319-86-8	delta-BHC	0.00045	U	0.00045	0.0019	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00024	U	0.00024	0.0019	mg/Kg
76-44-8	Heptachlor	0.00025	U	0.00025	0.0019	mg/Kg
309-00-2	Aldrin	0.00022	U	0.00022	0.0019	mg/Kg
1024-57-3	Heptachlor epoxide	0.00032	U	0.00032	0.0019	mg/Kg
959-98-8	Endosulfan I	0.00021	U	0.00021	0.0019	mg/Kg
60-57-1	Dieldrin	0.00020	U	0.00020	0.0019	mg/Kg
72-55-9	4,4-DDE	0.00038	J	0.00020	0.0019	mg/Kg
72-20-8	Endrin	0.00019	U	0.00019	0.0019	mg/Kg
33213-65-9	Endosulfan II	0.00024	U	0.00024	0.0019	mg/Kg
72-54-8	4,4-DDD	0.00023	U	0.00023	0.0019	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00020	U	0.00020	0.0019	mg/Kg
50-29-3	4,4-DDT	0.00049	J	0.00023	0.0019	mg/Kg
72-43-5	Methoxychlor	0.00028	U	0.00028	0.0019	mg/Kg
53494-70-5	Endrin ketone	0.00032	U	0.00032	0.0019	mg/Kg
7421-93-4	Endrin aldehyde	0.00032	U	0.00032	0.0019	mg/Kg
5103-71-9	alpha-Chlordane	0.00066	JP	0.00023	0.0019	mg/Kg
5103-74-2	gamma-Chlordane	0.00039	J	0.00023	0.0019	mg/Kg
8001-35-2	Toxaphene	0.0073	U	0.0073	0.036	mg/Kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	11.4		30 (12) - 150 (143)	57%	SPK: 20
877-09-8	Tetrachloro-m-xylene	9.81		30 (10) - 150 (159)	49%	SPK: 20

Raw Data: **PL086481.D**

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

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WASTE	SDG No.:	O5252
Lab Sample ID:	O5252-01	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	90.6 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL086481.D	1	11/06/23 09:10	11/06/23 17:38	PB156920

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

CHEMTECH

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QC SUMMARY

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

Surrogate Summary

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PL086340.D	PIBLK-PL086340.D	Decachlorobiphenyl	1	20	22.5	113		30 (27)	150 (142)
		Tetrachloro-m-xylene	1	20	21.4	107		30 (35)	150 (148)
		Decachlorobiphenyl	2	20	22.4	112		30 (27)	150 (142)
		Tetrachloro-m-xylene	2	20	21.4	107		30 (35)	150 (148)
I.BLK-PL086473.D	PIBLK-PL086473.D	Decachlorobiphenyl	1	20	22.2	111		30 (27)	150 (142)
		Tetrachloro-m-xylene	1	20	20.6	103		30 (35)	150 (148)
		Decachlorobiphenyl	2	20	21.1	105		30 (27)	150 (142)
		Tetrachloro-m-xylene	2	20	21.7	109		30 (35)	150 (148)
PB156920BL	PB156920BL	Decachlorobiphenyl	1	20	17.8	89		30 (12)	150 (143)
		Tetrachloro-m-xylene	1	20	15.8	79		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	17.8	89		30 (12)	150 (143)
		Tetrachloro-m-xylene	2	20	16.9	85		30 (10)	150 (159)
PB156920BS	PB156920BS	Decachlorobiphenyl	1	20	19.0	95		30 (12)	150 (143)
		Tetrachloro-m-xylene	1	20	17.2	86		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	19.1	95		30 (12)	150 (143)
		Tetrachloro-m-xylene	2	20	18.1	90		30 (10)	150 (159)
O5252-01	WASTE	Decachlorobiphenyl	1	20	10.7	53		30 (12)	150 (143)
		Tetrachloro-m-xylene	1	20	8.02	40		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	11.4	57		30 (12)	150 (143)
		Tetrachloro-m-xylene	2	20	9.81	49		30 (10)	150 (159)
I.BLK-PL086484.D	PIBLK-PL086484.D	Decachlorobiphenyl	1	20	22.3	111		30 (27)	150 (142)
		Tetrachloro-m-xylene	1	20	20.5	102		30 (35)	150 (148)
		Decachlorobiphenyl	2	20	22.9	114		30 (27)	150 (142)
		Tetrachloro-m-xylene	2	20	21.3	107		30 (35)	150 (148)
O5256-01MS	WC-1MS	Decachlorobiphenyl	1	20	16.2	81		30 (12)	150 (143)
		Tetrachloro-m-xylene	1	20	15.8	79		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	17.8	89		30 (12)	150 (143)
		Tetrachloro-m-xylene	2	20	18.1	90		30 (10)	150 (159)
O5256-01MSD	WC-1MSD	Decachlorobiphenyl	1	20	15.9	79		30 (12)	150 (143)
		Tetrachloro-m-xylene	1	20	16.4	82		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	17.8	89		30 (12)	150 (143)
		Tetrachloro-m-xylene	2	20	18.2	91		30 (10)	150 (159)
I.BLK-PL086493.D	PIBLK-PL086493.D	Decachlorobiphenyl	1	20	23.1	116		30 (27)	150 (142)
		Tetrachloro-m-xylene	1	20	21.6	108		30 (35)	150 (148)
		Decachlorobiphenyl	2	20	23.2	116		30 (27)	150 (142)
		Tetrachloro-m-xylene	2	20	21.9	109		30 (35)	150 (148)

( ) = LABORATORY INHOUSE LIMIT

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: 8081B **DataFile :** PL086489.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**WC-1MS**											
O5256-01MS	alpha-BHC	19.14	0	18.6	ug/kg	97				30 (45)	150 (135)	
	beta-BHC	19.14	0	18.8	ug/kg	98				30 (35)	150 (144)	
	delta-BHC	19.14	0	18.5	ug/kg	97				30 (38)	150 (140)	
	gamma-BHC (Lindane)	19.14	0	19.0	ug/kg	99				30 (49)	150 (134)	
	Heptachlor	19.14	0	18.8	ug/kg	98				30 (33)	150 (144)	
	Aldrin	19.14	0	20.2	ug/kg	106				30 (49)	150 (139)	
	Heptachlor epoxide	19.14	0	18.2	ug/kg	95				30 (51)	150 (129)	
	Endosulfan I	19.14	0	16.4	ug/kg	86				30 (45)	150 (138)	
	Dieldrin	19.14	0	21.2	ug/kg	111				30 (47)	150 (161)	
	4,4'-DDE	19.14	0	20.3	ug/kg	106				30 (55)	150 (136)	
	Endrin	19.14	0	18.3	ug/kg	96				30 (47)	150 (158)	
	Endosulfan II	19.14	0	18.7	ug/kg	98				30 (45)	150 (129)	
	4,4'-DDD	19.14	0	20.3	ug/kg	106				30 (65)	150 (145)	
	Endosulfan sulfate	19.14	0	18.3	ug/kg	96				30 (62)	150 (139)	
	4,4'-DDT	19.14	0	19.5	ug/kg	102				30 (28)	150 (159)	
	Methoxychlor	19.14	0	22.0	ug/kg	115				30 (33)	150 (144)	
	Endrin ketone	19.14	0	17.6	ug/kg	92				30 (60)	150 (129)	
	Endrin aldehyde	19.14	0	19.8	ug/kg	103				30 (49)	150 (146)	
	alpha-Chlordane	19.14	0	17.8	ug/kg	93				30 (42)	150 (175)	
	gamma-Chlordane	19.14	0	18.6	ug/kg	97				30 (44)	150 (175)	

( ) = LABORATORY INHOUSE LIMIT

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: 8081B **DataFile :** PL086490.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**WC-1MSD**											
O5256-01MSD	alpha-BHC	19.13	0	18.8	ug/kg	98		1		30 (45)	150 (135)	30 (20)
	beta-BHC	19.13	0	18.6	ug/kg	97		1		30 (35)	150 (144)	30 (20)
	delta-BHC	19.13	0	18.6	ug/kg	97		0		30 (38)	150 (140)	30 (20)
	gamma-BHC (Lindane)	19.13	0	19.1	ug/kg	100		1		30 (49)	150 (134)	30 (20)
	Heptachlor	19.13	0	19.0	ug/kg	99		1		30 (33)	150 (144)	30 (20)
	Aldrin	19.13	0	20.4	ug/kg	107		1		30 (49)	150 (139)	30 (20)
	Heptachlor epoxide	19.13	0	18.3	ug/kg	96		1		30 (51)	150 (129)	30 (20)
	Endosulfan I	19.13	0	16.7	ug/kg	87		1		30 (45)	150 (138)	30 (20)
	Dieldrin	19.13	0	21.3	ug/kg	111		0		30 (47)	150 (161)	30 (20)
	4,4'-DDE	19.13	0	20.4	ug/kg	107		1		30 (55)	150 (136)	30 (20)
	Endrin	19.13	0	18.4	ug/kg	96		0		30 (47)	150 (158)	30 (20)
	Endosulfan II	19.13	0	18.9	ug/kg	99		1		30 (45)	150 (129)	30 (20)
	4,4'-DDD	19.13	0	20.4	ug/kg	107		1		30 (65)	150 (145)	30 (20)
	Endosulfan sulfate	19.13	0	18.4	ug/kg	96		0		30 (62)	150 (139)	30 (20)
	4,4'-DDT	19.13	0	19.6	ug/kg	102		0		30 (28)	150 (159)	30 (20)
	Methoxychlor	19.13	0	22.2	ug/kg	116		1		30 (33)	150 (144)	30 (20)
	Endrin ketone	19.13	0	17.5	ug/kg	91		1		30 (60)	150 (129)	30 (20)
	Endrin aldehyde	19.13	0	20.0	ug/kg	105		2		30 (49)	150 (146)	30 (20)
	alpha-Chlordane	19.13	0	17.8	ug/kg	93		0		30 (42)	150 (175)	30 (20)
	gamma-Chlordane	19.13	0	18.6	ug/kg	97		0		30 (44)	150 (175)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: 8081B **Datafile :** PL086480.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB156920BS	alpha-BHC	16.67	16.5	ug/kg	99				40 (84)	140 (123)	
	beta-BHC	16.67	16.3	ug/kg	98				40 (82)	140 (123)	
	delta-BHC	16.67	16.6	ug/kg	100				40 (83)	140 (126)	
	gamma-BHC (Lindane)	16.67	16.4	ug/kg	98				40 (83)	140 (125)	
	Heptachlor	16.67	16.6	ug/kg	100				40 (83)	140 (122)	
	Aldrin	16.67	16.7	ug/kg	100				40 (82)	140 (124)	
	Heptachlor epoxide	16.67	16.6	ug/kg	100				40 (83)	140 (120)	
	Endosulfan I	16.67	15.6	ug/kg	94				40 (81)	140 (124)	
	Dieldrin	16.67	16.5	ug/kg	99				40 (85)	140 (121)	
	4,4'-DDE	16.67	17.9	ug/kg	107				40 (81)	140 (123)	
	Endrin	16.67	16.1	ug/kg	97				40 (76)	140 (130)	
	Endosulfan II	16.67	16.5	ug/kg	99				40 (80)	140 (125)	
	4,4'-DDD	16.67	18.2	ug/kg	109				40 (80)	140 (131)	
	Endosulfan sulfate	16.67	16.6	ug/kg	100				40 (81)	140 (122)	
	4,4'-DDT	16.67	17.3	ug/kg	104				40 (70)	140 (129)	
	Methoxychlor	16.67	16.6	ug/kg	100				40 (78)	140 (129)	
	Endrin ketone	16.67	16.8	ug/kg	101				40 (77)	140 (132)	
	Endrin aldehyde	16.67	18.2	ug/kg	109				40 (79)	140 (124)	
	alpha-Chlordane	16.67	16.1	ug/kg	97				40 (84)	140 (120)	
	gamma-Chlordane	16.67	16.7	ug/kg	100				40 (83)	140 (122)	

( ) = LABORATORY INHOUSE LIMIT

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

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PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB156920BL

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: O5252 SAS No.: O5252 SDG NO.: O5252

Lab Sample ID: PB156920BL Lab File ID: PL086479.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 11/06/2023

Date Analyzed (1): 11/06/2023 Date Analyzed (2): 11/06/2023

Time Analyzed (1): 17:11 Time Analyzed (2): 17:11

Instrument ID (1): ECD_L Instrument ID (2): ECD_L

GC Column (1): ZB-MR2 ID: 0.32 (mm) GC Column (2): ZB-MR1 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
PB156920BS	PB156920BS	PL086480.D	11/06/2023	11/06/2023
WASTE	O5252-01	PL086481.D	11/06/2023	11/06/2023
WC-1MS	O5256-01MS	PL086489.D	11/06/2023	11/06/2023
WC-1MSD	O5256-01MSD	PL086490.D	11/06/2023	11/06/2023

COMMENTS:

CHEMTECH

QC SAMPLE DATA

Raw Data: **PL086479.D**

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

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	PB156920BL	SDG No.:	O5252
Lab Sample ID:	PB156920BL	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL086479.D	1	11/06/23 09:10	11/06/23 17:11	PB156920

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.00024	U	0.00024	0.0017	mg/Kg
319-85-7	beta-BHC	0.00052	U	0.00052	0.0017	mg/Kg
319-86-8	delta-BHC	0.00041	U	0.00041	0.0017	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00022	U	0.00022	0.0017	mg/Kg
76-44-8	Heptachlor	0.00023	U	0.00023	0.0017	mg/Kg
309-00-2	Aldrin	0.00020	U	0.00020	0.0017	mg/Kg
1024-57-3	Heptachlor epoxide	0.00029	U	0.00029	0.0017	mg/Kg
959-98-8	Endosulfan I	0.00019	U	0.00019	0.0017	mg/Kg
60-57-1	Dieldrin	0.00018	U	0.00018	0.0017	mg/Kg
72-55-9	4,4-DDE	0.00018	U	0.00018	0.0017	mg/Kg
72-20-8	Endrin	0.00017	U	0.00017	0.0017	mg/Kg
33213-65-9	Endosulfan II	0.00022	U	0.00022	0.0017	mg/Kg
72-54-8	4,4-DDD	0.00021	U	0.00021	0.0017	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00018	U	0.00018	0.0017	mg/Kg
50-29-3	4,4-DDT	0.00021	U	0.00021	0.0017	mg/Kg
72-43-5	Methoxychlor	0.00025	U	0.00025	0.0017	mg/Kg
53494-70-5	Endrin ketone	0.00029	U	0.00029	0.0017	mg/Kg
7421-93-4	Endrin aldehyde	0.00029	U	0.00029	0.0017	mg/Kg
5103-71-9	alpha-Chlordane	0.00021	U	0.00021	0.0017	mg/Kg
5103-74-2	gamma-Chlordane	0.00021	U	0.00021	0.0017	mg/Kg
8001-35-2	Toxaphene	0.0066	U	0.0066	0.033	mg/Kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.8		30 (12) - 150 (143)	89%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.9		30 (10) - 150 (159)	85%	SPK: 20

Raw Data: **PL086479.D**

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Report of Analysis

Client:	RMJ Environomics, Inc.		Date Collected:		
Project:	245 Greenwood Ave		Date Received:		
Client Sample ID:	PB156920BL		SDG No.:	O5252	
Lab Sample ID:	PB156920BL		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	100	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL086479.D	1	11/06/23 09:10	11/06/23 17:11	PB156920

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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:	RMJ Environomics, Inc.	Date Collected:	11/01/23
Project:	245 Greenwood Ave	Date Received:	11/01/23
Client Sample ID:	PIBLK-PL086340.D	SDG No.:	O5252
Lab Sample ID:	I.BLK-PL086340.D	Matrix:	WATER
Analytical Method:	SFAM_PEST	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL086340.D	1		11/01/23	pl110123

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0000078	U	0.0000078	0.000050	mg/L
319-85-7	beta-BHC	0.000014	U	0.000014	0.000050	mg/L
319-86-8	delta-BHC	0.000012	U	0.000012	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.0000064	U	0.0000064	0.000050	mg/L
76-44-8	Heptachlor	0.0000073	U	0.0000073	0.000050	mg/L
309-00-2	Aldrin	0.0000071	U	0.0000071	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000010	U	0.000010	0.000050	mg/L
959-98-8	Endosulfan I	0.0000059	U	0.0000059	0.000050	mg/L
60-57-1	Dieldrin	0.0000054	U	0.0000054	0.000050	mg/L
72-55-9	4,4-DDE	0.0000059	U	0.0000059	0.000050	mg/L
72-20-8	Endrin	0.0000043	U	0.0000043	0.000050	mg/L
33213-65-9	Endosulfan II	0.0000076	U	0.0000076	0.000050	mg/L
72-54-8	4,4-DDD	0.0000084	U	0.0000084	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.0000051	U	0.0000051	0.000050	mg/L
50-29-3	4,4-DDT	0.0000065	U	0.0000065	0.000050	mg/L
72-43-5	Methoxychlor	0.0000066	U	0.0000066	0.000050	mg/L
53494-70-5	Endrin ketone	0.0000084	U	0.0000084	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.0000070	U	0.0000070	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.0000074	U	0.0000074	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.0000065	U	0.0000065	0.000050	mg/L
8001-35-2	Toxaphene	0.00018	U	0.00018	0.0010	mg/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.5		30 (27) - 150 (142)	113%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.4		30 (35) - 150 (148)	107%	SPK: 20

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/01/23
Project:	245 Greenwood Ave	Date Received:	11/01/23
Client Sample ID:	PIBLK-PL086340.D	SDG No.:	O5252
Lab Sample ID:	I.BLK-PL086340.D	Matrix:	WATER
Analytical Method:	SFAM_PEST	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL086340.D	1		11/01/23	pl110123

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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:	RMJ Environomics, Inc.	Date Collected:	11/06/23
Project:	245 Greenwood Ave	Date Received:	11/06/23
Client Sample ID:	PIBLK-PL086473.D	SDG No.:	O5252
Lab Sample ID:	I.BLK-PL086473.D	Matrix:	WATER
Analytical Method:	SFAM_PEST	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL086473.D	1		11/06/23	pl110623

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0000078	U	0.0000078	0.000050	mg/L
319-85-7	beta-BHC	0.000014	U	0.000014	0.000050	mg/L
319-86-8	delta-BHC	0.000012	U	0.000012	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.0000064	U	0.0000064	0.000050	mg/L
76-44-8	Heptachlor	0.0000073	U	0.0000073	0.000050	mg/L
309-00-2	Aldrin	0.0000071	U	0.0000071	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000010	U	0.000010	0.000050	mg/L
959-98-8	Endosulfan I	0.0000059	U	0.0000059	0.000050	mg/L
60-57-1	Dieldrin	0.0000054	U	0.0000054	0.000050	mg/L
72-55-9	4,4-DDE	0.0000059	U	0.0000059	0.000050	mg/L
72-20-8	Endrin	0.0000043	U	0.0000043	0.000050	mg/L
33213-65-9	Endosulfan II	0.0000076	U	0.0000076	0.000050	mg/L
72-54-8	4,4-DDD	0.0000084	U	0.0000084	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.0000051	U	0.0000051	0.000050	mg/L
50-29-3	4,4-DDT	0.0000065	U	0.0000065	0.000050	mg/L
72-43-5	Methoxychlor	0.0000066	U	0.0000066	0.000050	mg/L
53494-70-5	Endrin ketone	0.0000084	U	0.0000084	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.0000070	U	0.0000070	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.0000074	U	0.0000074	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.0000065	U	0.0000065	0.000050	mg/L
8001-35-2	Toxaphene	0.00018	U	0.00018	0.0010	mg/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.2		30 (27) - 150 (142)	111%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.7		30 (35) - 150 (148)	109%	SPK: 20

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/06/23
Project:	245 Greenwood Ave	Date Received:	11/06/23
Client Sample ID:	PIBLK-PL086473.D	SDG No.:	O5252
Lab Sample ID:	I.BLK-PL086473.D	Matrix:	WATER
Analytical Method:	SFAM_PEST	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL086473.D	1		11/06/23	pl110623

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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:	RMJ Environomics, Inc.	Date Collected:	11/06/23
Project:	245 Greenwood Ave	Date Received:	11/06/23
Client Sample ID:	PIBLK-PL086484.D	SDG No.:	O5252
Lab Sample ID:	I.BLK-PL086484.D	Matrix:	WATER
Analytical Method:	SFAM_PEST	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL086484.D	1		11/06/23	pl110623

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0000078	U	0.0000078	0.000050	mg/L
319-85-7	beta-BHC	0.000014	U	0.000014	0.000050	mg/L
319-86-8	delta-BHC	0.000012	U	0.000012	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.0000064	U	0.0000064	0.000050	mg/L
76-44-8	Heptachlor	0.0000073	U	0.0000073	0.000050	mg/L
309-00-2	Aldrin	0.0000071	U	0.0000071	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000010	U	0.000010	0.000050	mg/L
959-98-8	Endosulfan I	0.0000059	U	0.0000059	0.000050	mg/L
60-57-1	Dieldrin	0.0000054	U	0.0000054	0.000050	mg/L
72-55-9	4,4-DDE	0.0000059	U	0.0000059	0.000050	mg/L
72-20-8	Endrin	0.0000043	U	0.0000043	0.000050	mg/L
33213-65-9	Endosulfan II	0.0000076	U	0.0000076	0.000050	mg/L
72-54-8	4,4-DDD	0.0000084	U	0.0000084	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.0000051	U	0.0000051	0.000050	mg/L
50-29-3	4,4-DDT	0.0000065	U	0.0000065	0.000050	mg/L
72-43-5	Methoxychlor	0.0000066	U	0.0000066	0.000050	mg/L
53494-70-5	Endrin ketone	0.0000084	U	0.0000084	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.0000070	U	0.0000070	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.0000074	U	0.0000074	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.0000065	U	0.0000065	0.000050	mg/L
8001-35-2	Toxaphene	0.00018	U	0.00018	0.0010	mg/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.9		30 (27) - 150 (142)	114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.3		30 (35) - 150 (148)	107%	SPK: 20

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/06/23
Project:	245 Greenwood Ave	Date Received:	11/06/23
Client Sample ID:	PIBLK-PL086484.D	SDG No.:	O5252
Lab Sample ID:	I.BLK-PL086484.D	Matrix:	WATER
Analytical Method:	SFAM_PEST	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL086484.D	1		11/06/23	pl110623

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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:	RMJ Environomics, Inc.	Date Collected:	11/06/23
Project:	245 Greenwood Ave	Date Received:	11/06/23
Client Sample ID:	PIBLK-PL086493.D	SDG No.:	O5252
Lab Sample ID:	I.BLK-PL086493.D	Matrix:	WATER
Analytical Method:	SFAM_PEST	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL086493.D	1		11/06/23	pl110623

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0000078	U	0.0000078	0.000050	mg/L
319-85-7	beta-BHC	0.000014	U	0.000014	0.000050	mg/L
319-86-8	delta-BHC	0.000012	U	0.000012	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.0000064	U	0.0000064	0.000050	mg/L
76-44-8	Heptachlor	0.0000073	U	0.0000073	0.000050	mg/L
309-00-2	Aldrin	0.0000071	U	0.0000071	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000010	U	0.000010	0.000050	mg/L
959-98-8	Endosulfan I	0.0000059	U	0.0000059	0.000050	mg/L
60-57-1	Dieldrin	0.0000054	U	0.0000054	0.000050	mg/L
72-55-9	4,4-DDE	0.0000059	U	0.0000059	0.000050	mg/L
72-20-8	Endrin	0.0000043	U	0.0000043	0.000050	mg/L
33213-65-9	Endosulfan II	0.0000076	U	0.0000076	0.000050	mg/L
72-54-8	4,4-DDD	0.0000084	U	0.0000084	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.0000051	U	0.0000051	0.000050	mg/L
50-29-3	4,4-DDT	0.0000065	U	0.0000065	0.000050	mg/L
72-43-5	Methoxychlor	0.0000066	U	0.0000066	0.000050	mg/L
53494-70-5	Endrin ketone	0.0000084	U	0.0000084	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.0000070	U	0.0000070	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.0000074	U	0.0000074	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.0000065	U	0.0000065	0.000050	mg/L
8001-35-2	Toxaphene	0.00018	U	0.00018	0.0010	mg/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.2		30 (27) - 150 (142)	116%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.9		30 (35) - 150 (148)	109%	SPK: 20

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/06/23
Project:	245 Greenwood Ave	Date Received:	11/06/23
Client Sample ID:	PIBLK-PL086493.D	SDG No.:	O5252
Lab Sample ID:	I.BLK-PL086493.D	Matrix:	WATER
Analytical Method:	SFAM_PEST	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL086493.D	1		11/06/23	pl110623

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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: **PL086480.D**

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

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	PB156920BS	SDG No.:	O5252
Lab Sample ID:	PB156920BS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL086480.D	1	11/06/23 09:10	11/06/23 17:24	PB156920

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.017		0.00024	0.0017	mg/Kg
319-85-7	beta-BHC	0.016		0.00052	0.0017	mg/Kg
319-86-8	delta-BHC	0.017		0.00041	0.0017	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.016		0.00022	0.0017	mg/Kg
76-44-8	Heptachlor	0.017		0.00023	0.0017	mg/Kg
309-00-2	Aldrin	0.017		0.00020	0.0017	mg/Kg
1024-57-3	Heptachlor epoxide	0.017		0.00029	0.0017	mg/Kg
959-98-8	Endosulfan I	0.016		0.00019	0.0017	mg/Kg
60-57-1	Dieldrin	0.017		0.00018	0.0017	mg/Kg
72-55-9	4,4-DDE	0.018		0.00018	0.0017	mg/Kg
72-20-8	Endrin	0.016		0.00017	0.0017	mg/Kg
33213-65-9	Endosulfan II	0.017		0.00022	0.0017	mg/Kg
72-54-8	4,4-DDD	0.018		0.00021	0.0017	mg/Kg
1031-07-8	Endosulfan Sulfate	0.017		0.00018	0.0017	mg/Kg
50-29-3	4,4-DDT	0.017		0.00021	0.0017	mg/Kg
72-43-5	Methoxychlor	0.017		0.00025	0.0017	mg/Kg
53494-70-5	Endrin ketone	0.017		0.00029	0.0017	mg/Kg
7421-93-4	Endrin aldehyde	0.018		0.00029	0.0017	mg/Kg
5103-71-9	alpha-Chlordane	0.016		0.00021	0.0017	mg/Kg
5103-74-2	gamma-Chlordane	0.017		0.00021	0.0017	mg/Kg
8001-35-2	Toxaphene	0.0066	U	0.0066	0.033	mg/Kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.1		30 (12) - 150 (143)	95%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.1		30 (10) - 150 (159)	90%	SPK: 20

Raw Data: **PL086480.D**

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

Report of Analysis

Client:	RMJ Environomics, Inc.		Date Collected:		
Project:	245 Greenwood Ave		Date Received:		
Client Sample ID:	PB156920BS		SDG No.:	O5252	
Lab Sample ID:	PB156920BS		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	100	Decanted:
Sample Wt/Vol:	30	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL086480.D	1	11/06/23 09:10	11/06/23 17:24	PB156920

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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: **PL086489.D**

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

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WC-1MS	SDG No.:	O5252
Lab Sample ID:	O5256-01MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	87 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL086489.D	1	11/06/23 09:10	11/06/23 19:57	PB156920

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.019		0.00028	0.0020	mg/Kg
319-85-7	beta-BHC	0.019		0.00060	0.0020	mg/Kg
319-86-8	delta-BHC	0.019		0.00047	0.0020	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.019		0.00025	0.0020	mg/Kg
76-44-8	Heptachlor	0.019		0.00026	0.0020	mg/Kg
309-00-2	Aldrin	0.020		0.00023	0.0020	mg/Kg
1024-57-3	Heptachlor epoxide	0.018		0.00033	0.0020	mg/Kg
959-98-8	Endosulfan I	0.016		0.00022	0.0020	mg/Kg
60-57-1	Dieldrin	0.021		0.00021	0.0020	mg/Kg
72-55-9	4,4-DDE	0.020		0.00021	0.0020	mg/Kg
72-20-8	Endrin	0.018		0.00020	0.0020	mg/Kg
33213-65-9	Endosulfan II	0.019		0.00025	0.0020	mg/Kg
72-54-8	4,4-DDD	0.020		0.00024	0.0020	mg/Kg
1031-07-8	Endosulfan Sulfate	0.018		0.00021	0.0020	mg/Kg
50-29-3	4,4-DDT	0.020		0.00024	0.0020	mg/Kg
72-43-5	Methoxychlor	0.022		0.00029	0.0020	mg/Kg
53494-70-5	Endrin ketone	0.018		0.00033	0.0020	mg/Kg
7421-93-4	Endrin aldehyde	0.020		0.00033	0.0020	mg/Kg
5103-71-9	alpha-Chlordane	0.018		0.00024	0.0020	mg/Kg
5103-74-2	gamma-Chlordane	0.019		0.00024	0.0020	mg/Kg
8001-35-2	Toxaphene	0.0076	U	0.0076	0.038	mg/Kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.8		30 (12) - 150 (143)	89%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.1		30 (10) - 150 (159)	90%	SPK: 20

Raw Data: **PL086489.D**

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

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WC-1MS	SDG No.:	O5252
Lab Sample ID:	O5256-01MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	87 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL086489.D	1	11/06/23 09:10	11/06/23 19:57	PB156920

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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: **PL086490.D**

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

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WC-1MSD	SDG No.:	O5252
Lab Sample ID:	O5256-01MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	87 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL086490.D	1	11/06/23 09:10	11/06/23 20:11	PB156920

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.019		0.00028	0.0020	mg/Kg
319-85-7	beta-BHC	0.019		0.00060	0.0020	mg/Kg
319-86-8	delta-BHC	0.019		0.00047	0.0020	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.019		0.00025	0.0020	mg/Kg
76-44-8	Heptachlor	0.019		0.00026	0.0020	mg/Kg
309-00-2	Aldrin	0.020		0.00023	0.0020	mg/Kg
1024-57-3	Heptachlor epoxide	0.018		0.00033	0.0020	mg/Kg
959-98-8	Endosulfan I	0.017		0.00022	0.0020	mg/Kg
60-57-1	Dieldrin	0.021		0.00021	0.0020	mg/Kg
72-55-9	4,4-DDE	0.020		0.00021	0.0020	mg/Kg
72-20-8	Endrin	0.018		0.00020	0.0020	mg/Kg
33213-65-9	Endosulfan II	0.019		0.00025	0.0020	mg/Kg
72-54-8	4,4-DDD	0.020		0.00024	0.0020	mg/Kg
1031-07-8	Endosulfan Sulfate	0.018		0.00021	0.0020	mg/Kg
50-29-3	4,4-DDT	0.020		0.00024	0.0020	mg/Kg
72-43-5	Methoxychlor	0.022		0.00029	0.0020	mg/Kg
53494-70-5	Endrin ketone	0.018		0.00033	0.0020	mg/Kg
7421-93-4	Endrin aldehyde	0.020		0.00033	0.0020	mg/Kg
5103-71-9	alpha-Chlordane	0.018		0.00024	0.0020	mg/Kg
5103-74-2	gamma-Chlordane	0.019		0.00024	0.0020	mg/Kg
8001-35-2	Toxaphene	0.0076	U	0.0076	0.038	mg/Kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.8		30 (12) - 150 (143)	89%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.2		30 (10) - 150 (159)	91%	SPK: 20

Raw Data: **PL086490.D**

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

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WC-1MSD	SDG No.:	O5252
Lab Sample ID:	O5256-01MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	87 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL086490.D	1	11/06/23 09:10	11/06/23 20:11	PB156920

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

CHEMTECH

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CALIBRATION SUMMARY

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

Instrument ID: ECD_L **Calibration Date(s):** 11/01/2023 11/01/2023

Calibration Times: 08:49 09:45

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 100 = PL086343.D RT 075 = PL086344.D

RT 050 = PL086345.D RT 025 = PL086346.D RT 005 = PL086347.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	6.54	6.54	6.54	6.53	6.53	6.53	6.43	6.63
4,4'-DDE	6.02	6.02	6.02	6.02	6.02	6.02	5.92	6.12
4,4'-DDT	6.85	6.85	6.85	6.85	6.85	6.85	6.75	6.95
Aldrin	5.07	5.07	5.07	5.07	5.07	5.07	4.97	5.17
alpha-BHC	3.81	3.81	3.81	3.81	3.81	3.81	3.71	3.91
alpha-Chlordane	5.83	5.83	5.83	5.83	5.83	5.83	5.73	5.93
beta-BHC	4.34	4.34	4.34	4.34	4.34	4.34	4.24	4.44
Decachlorobiphenyl	8.86	8.86	8.86	8.85	8.85	8.85	8.75	8.95
delta-BHC	4.59	4.59	4.59	4.59	4.58	4.58	4.48	4.68
Dieldrin	6.16	6.16	6.16	6.16	6.16	6.16	6.06	6.26
Endosulfan I	5.88	5.88	5.88	5.88	5.88	5.88	5.78	5.98
Endosulfan II	6.61	6.61	6.61	6.61	6.61	6.61	6.51	6.71
Endosulfan sulfate	6.98	6.98	6.98	6.98	6.98	6.98	6.88	7.08
Endrin	6.39	6.39	6.39	6.38	6.39	6.38	6.28	6.48
Endrin aldehyde	6.74	6.74	6.74	6.74	6.74	6.74	6.64	6.84
Endrin ketone	7.46	7.46	7.46	7.46	7.46	7.46	7.36	7.56
gamma-BHC (Lindane)	4.14	4.14	4.14	4.14	4.14	4.14	4.04	4.24
gamma-Chlordane	5.75	5.75	5.75	5.75	5.75	5.75	5.65	5.85
Heptachlor	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Heptachlor epoxide	5.50	5.50	5.50	5.50	5.49	5.49	5.39	5.59
Methoxychlor	7.34	7.34	7.34	7.34	7.34	7.34	7.24	7.44
Tetrachloro-m-xylene	3.35	3.35	3.35	3.35	3.35	3.35	3.25	3.45

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

Instrument ID: ECD_L **Calibration Date(s):** 11/01/2023 11/01/2023

Calibration Times: 08:49 09:45

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

LAB FILE ID: RT 100 = PL086343.D RT 075 = PL086344.D

RT 050 = PL086345.D RT 025 = PL086346.D RT 005 = PL086347.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	5.63	5.63	5.63	5.63	5.63	5.63	5.53	5.73
4,4'-DDE	5.08	5.08	5.08	5.08	5.08	5.08	4.98	5.18
4,4'-DDT	5.88	5.88	5.88	5.88	5.88	5.88	5.78	5.98
Aldrin	4.06	4.06	4.06	4.06	4.06	4.06	3.96	4.16
alpha-BHC	3.12	3.12	3.12	3.12	3.12	3.12	3.02	3.22
alpha-Chlordane	4.88	4.88	4.88	4.88	4.88	4.88	4.78	4.98
beta-BHC	3.75	3.75	3.75	3.75	3.75	3.75	3.65	3.85
Decachlorobiphenyl	7.77	7.77	7.77	7.77	7.77	7.77	7.67	7.87
delta-BHC	3.97	3.97	3.97	3.97	3.97	3.97	3.87	4.07
Dieldrin	5.20	5.20	5.20	5.20	5.19	5.19	5.09	5.29
Endosulfan I	4.93	4.93	4.93	4.93	4.93	4.93	4.83	5.03
Endosulfan II	5.77	5.77	5.77	5.77	5.77	5.77	5.67	5.87
Endosulfan sulfate	6.17	6.17	6.17	6.17	6.17	6.17	6.07	6.27
Endrin	5.47	5.47	5.47	5.47	5.47	5.47	5.37	5.57
Endrin aldehyde	5.95	5.95	5.95	5.95	5.95	5.95	5.85	6.05
Endrin ketone	6.67	6.67	6.67	6.67	6.67	6.67	6.57	6.77
gamma-BHC (Lindane)	3.44	3.44	3.44	3.44	3.44	3.44	3.34	3.54
gamma-Chlordane	4.81	4.81	4.81	4.81	4.81	4.81	4.71	4.91
Heptachlor	3.78	3.78	3.78	3.78	3.78	3.78	3.68	3.88
Heptachlor epoxide	4.56	4.56	4.56	4.56	4.56	4.56	4.46	4.66
Methoxychlor	6.47	6.47	6.47	6.47	6.47	6.47	6.37	6.57
Tetrachloro-m-xylene	2.62	2.62	2.62	2.62	2.62	2.62	2.52	2.72

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

Instrument ID: ECD_L **Calibration Date(s):** 11/01/2023 11/01/2023

Calibration Times: 08:49 09:45

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 100 =** PL086343.D **CF 075 =** PL086344.D

CF 050 = PL086345.D **CF 025 =** PL086346.D **CF 005 =** PL086347.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	2536800000	2375800000	2348500000	2305270000	2292640000	2371800000	4
4,4'-DDE	3419430000	3206160000	3165660000	3063980000	3012760000	3173600000	5
4,4'-DDT	2810840000	2633750000	2582620000	2546230000	2471160000	2608920000	5
Aldrin	4693660000	4481820000	4445710000	4313380000	4208690000	4428650000	4
alpha-BHC	5098960000	4840660000	4758070000	4526940000	4375690000	4720060000	6
alpha-Chlordane	4071150000	3918190000	3936280000	3926450000	4050290000	3980470000	2
beta-BHC	1889560000	1843730000	1881930000	1939840000	2306760000	1972360000	10
Decachlorobiphenyl	2561610000	2489210000	2559090000	2703410000	2910680000	2644800000	6
delta-BHC	4733550000	4470120000	4415460000	4347470000	3848140000	4362940000	7
Dieldrin	4050770000	3855420000	3838790000	3752690000	3726570000	3844850000	3
Endosulfan I	3740310000	3611870000	3638700000	3635880000	3752640000	3675880000	2
Endosulfan II	3279340000	3153560000	3159820000	3184450000	3325560000	3220540000	2
Endosulfan sulfate	3114770000	2989670000	3018610000	3060780000	3256030000	3087970000	3
Endrin	3500270000	3330200000	3328190000	3273040000	3259440000	3338230000	3
Endrin aldehyde	2401500000	2316660000	2384920000	2451330000	2615990000	2434080000	5
Endrin ketone	3301270000	3162180000	3173390000	3163240000	3156780000	3191370000	2
gamma-BHC (Lindane)	4877100000	4655760000	4601670000	4437000000	4210870000	4556480000	5
gamma-Chlordane	4102170000	3924400000	3926610000	3885660000	4000190000	3967800000	2
Heptachlor	4555740000	4365980000	4364780000	4278900000	4228490000	4358780000	3
Heptachlor epoxide	4009350000	3881350000	3902700000	3813940000	3730890000	3867640000	3
Methoxychlor	1405280000	1341730000	1358890000	1393300000	1435820000	1387010000	3
Tetrachloro-m-xylene	3225080000	3138040000	3170050000	3165040000	3169430000	3173530000	1

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

Instrument ID: ECD_L **Calibration Date(s):** 11/01/2023 11/01/2023

Calibration Times: 08:49 09:45

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

LAB FILE ID: **CF 100 =** PL086343.D **CF 075 =** PL086344.D

CF 050 = PL086345.D **CF 025 =** PL086346.D **CF 005 =** PL086347.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	903323000	840415000	820449000	787086000	721129000	814480000	8
4,4'-DDE	1113380000	1033130000	1001080000	942174000	844459000	986844000	10
4,4'-DDT	1043240000	974223000	948589000	916365000	831305000	942744000	8
Aldrin	1388220000	1316350000	1294600000	1231850000	1140680000	1274340000	7
alpha-BHC	1463140000	1373920000	1337770000	1240180000	1073740000	1297750000	11
alpha-Chlordane	1287550000	1232820000	1230420000	1221480000	1273780000	1249210000	2
beta-BHC	570275000	554260000	566592000	580371000	598121000	573924000	3
Decachlorobiphenyl	1088150000	1069090000	1107260000	1181150000	1289550000	1147040000	8
delta-BHC	1420290000	1334870000	1296090000	1208430000	1060540000	1264040000	11
Dieldrin	1299040000	1227510000	1206390000	1159500000	1078420000	1194170000	7
Endosulfan I	1190270000	1148920000	1145780000	1166390000	1282730000	1186820000	5
Endosulfan II	1129900000	1084090000	1078990000	1068670000	1027850000	1077900000	3
Endosulfan sulfate	1082970000	1038030000	1043370000	1051370000	1055660000	1054280000	2
Endrin	1191130000	1125500000	1112620000	1071200000	1009210000	1101930000	6
Endrin aldehyde	838637000	807409000	830666000	848832000	890954000	843300000	4
Endrin ketone	1310110000	1256240000	1256690000	1240670000	1172200000	1247180000	4
gamma-BHC (Lindane)	1437950000	1358590000	1338050000	1273460000	1159760000	1313560000	8
gamma-Chlordane	1269900000	1207300000	1193560000	1159610000	1086520000	1183380000	6
Heptachlor	1369310000	1312980000	1302170000	1272790000	1229190000	1297290000	4
Heptachlor epoxide	1252340000	1197130000	1197180000	1178310000	1152700000	1195530000	3
Methoxychlor	582971000	564565000	575331000	595605000	603203000	584335000	3
Tetrachloro-m-xylene	978600000	943239000	957220000	947507000	933379000	951989000	2

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

Instrument ID: ECD_L **Date(s) Analyzed:** 11/01/2023 11/01/2023

GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	6.05	5.95	6.15	24773700
		2	6.46	6.36	6.56	20193000
		3	6.97	6.87	7.07	65365100
		4	7.06	6.96	7.16	39592500
		5	7.75	7.65	7.85	46260500

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

Instrument ID: ECD_L **Date(s) Analyzed:** 11/01/2023 11/01/2023

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	5.17	5.07	5.27	5774410
		2	5.52	5.42	5.62	6851300
		3	6.44	6.34	6.54	26432000
		4	6.57	6.47	6.67	36861600
		5	6.88	6.78	6.98	25089800

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CALIBRATION VERIFICATION SUMMARY

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

Continuing Calib Date: 11/06/2023 **Initial Calibration Date(s):** 11/01/2023 11/01/2023

Continuing Calib Time: 15:59 **Initial Calibration Time(s):** 08:49 09:45

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.85	8.86	8.76	8.96	0.01
Tetrachloro-m-xylene	3.35	3.35	3.25	3.45	0.00
alpha-BHC	3.81	3.81	3.71	3.91	0.00
beta-BHC	4.34	4.34	4.24	4.44	0.00
delta-BHC	4.59	4.59	4.49	4.69	0.00
gamma-BHC (Lindane)	4.14	4.14	4.04	4.24	0.00
Heptachlor	4.73	4.73	4.63	4.83	0.00
Aldrin	5.07	5.07	4.97	5.17	0.00
Heptachlor epoxide	5.50	5.50	5.40	5.60	0.00
Endosulfan I	5.88	5.88	5.78	5.98	0.00
Dieldrin	6.16	6.16	6.06	6.26	0.00
4,4'-DDE	6.02	6.02	5.92	6.12	0.00
Endrin	6.39	6.39	6.29	6.49	0.00
Endosulfan II	6.61	6.61	6.51	6.71	0.00
4,4'-DDD	6.54	6.54	6.44	6.64	0.01
Endosulfan sulfate	6.98	6.98	6.88	7.08	0.01
4,4'-DDT	6.85	6.85	6.75	6.95	0.00
Methoxychlor	7.34	7.34	7.24	7.44	0.00
Endrin ketone	7.46	7.46	7.36	7.56	0.00
Endrin aldehyde	6.74	6.74	6.64	6.84	0.00
alpha-Chlordane	5.83	5.83	5.73	5.93	0.00
gamma-Chlordane	5.75	5.75	5.65	5.85	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

Continuing Calib Date: 11/06/2023 **Initial Calibration Date(s):** 11/01/2023 11/01/2023

Continuing Calib Time: 15:59 **Initial Calibration Time(s):** 08:49 09:45

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.77	7.77	7.67	7.87	0.00
Tetrachloro-m-xylene	2.62	2.62	2.52	2.72	0.00
alpha-BHC	3.12	3.12	3.02	3.22	0.00
beta-BHC	3.75	3.75	3.65	3.85	0.00
delta-BHC	3.97	3.97	3.87	4.07	0.00
gamma-BHC (Lindane)	3.44	3.44	3.34	3.54	0.00
Heptachlor	3.78	3.78	3.68	3.88	0.00
Aldrin	4.06	4.06	3.96	4.16	0.00
Heptachlor epoxide	4.56	4.56	4.46	4.66	0.00
Endosulfan I	4.93	4.93	4.83	5.03	0.00
Dieldrin	5.20	5.20	5.10	5.30	0.00
4,4'-DDE	5.08	5.08	4.98	5.18	0.00
Endrin	5.47	5.47	5.37	5.57	0.00
Endosulfan II	5.77	5.77	5.67	5.87	0.00
4,4'-DDD	5.63	5.63	5.53	5.73	0.00
Endosulfan sulfate	6.17	6.17	6.07	6.27	0.00
4,4'-DDT	5.88	5.88	5.78	5.98	0.00
Methoxychlor	6.47	6.47	6.37	6.57	0.00
Endrin ketone	6.67	6.67	6.57	6.77	0.00
Endrin aldehyde	5.95	5.95	5.85	6.05	0.00
alpha-Chlordane	4.88	4.88	4.78	4.98	0.00
gamma-Chlordane	4.81	4.81	4.71	4.91	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 11/01/2023 11/01/2023

Client Sample No.: CCAL01 **Date Analyzed:** 11/06/2023

Lab Sample No.: PSTDCCC050 **Data File :** PL086474.D **Time Analyzed:** 15:59

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.535	6.435	6.635	51.670	50.000	3.3
4,4'-DDE	6.016	5.916	6.116	50.560	50.000	1.1
4,4'-DDT	6.850	6.750	6.950	50.630	50.000	1.3
Aldrin	5.066	4.965	5.165	47.920	50.000	-4.2
alpha-BHC	3.808	3.707	3.907	48.680	50.000	-2.6
alpha-Chlordane	5.833	5.732	5.932	46.040	50.000	-7.9
beta-BHC	4.343	4.242	4.442	45.550	50.000	-8.9
Decachlorobiphenyl	8.854	8.755	8.955	48.770	50.000	-2.5
delta-BHC	4.586	4.485	4.685	47.130	50.000	-5.7
Dieldrin	6.156	6.056	6.256	45.720	50.000	-8.6
Endosulfan I	5.879	5.779	5.979	46.470	50.000	-7.1
Endosulfan II	6.608	6.508	6.708	47.280	50.000	-5.4
Endosulfan sulfate	6.975	6.875	7.075	45.650	50.000	-8.7
Endrin	6.385	6.285	6.485	45.980	50.000	-8.0
Endrin aldehyde	6.739	6.639	6.839	45.540	50.000	-8.9
Endrin ketone	7.457	7.357	7.557	47.260	50.000	-5.5
gamma-BHC (Lindane)	4.139	4.039	4.239	47.780	50.000	-4.4
gamma-Chlordane	5.753	5.653	5.853	45.850	50.000	-8.3
Heptachlor	4.726	4.626	4.826	48.200	50.000	-3.6
Heptachlor epoxide	5.496	5.395	5.595	46.970	50.000	-6.1
Methoxychlor	7.336	7.236	7.436	51.240	50.000	2.5
Tetrachloro-m-xylene	3.354	3.253	3.453	48.440	50.000	-3.1

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CALIBRATION VERIFICATION SUMMARY

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 11/01/2023 11/01/2023

Client Sample No.: CCAL01 **Date Analyzed:** 11/06/2023

Lab Sample No.: PSTDCCC050 **Data File :** PL086474.D **Time Analyzed:** 15:59

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.632	5.532	5.732	53.780	50.000	7.6
4,4'-DDE	5.076	4.976	5.176	53.510	50.000	7.0
4,4'-DDT	5.882	5.783	5.983	52.520	50.000	5.0
Aldrin	4.057	3.957	4.157	51.390	50.000	2.8
alpha-BHC	3.117	3.017	3.217	51.930	50.000	3.9
alpha-Chlordane	4.876	4.777	4.977	48.390	50.000	-3.2
beta-BHC	3.746	3.646	3.846	50.510	50.000	1.0
Decachlorobiphenyl	7.769	7.670	7.870	46.260	50.000	-7.5
delta-BHC	3.971	3.872	4.072	51.190	50.000	2.4
Dieldrin	5.195	5.095	5.295	50.250	50.000	0.5
Endosulfan I	4.929	4.829	5.029	47.220	50.000	-5.6
Endosulfan II	5.766	5.666	5.866	49.250	50.000	-1.5
Endosulfan sulfate	6.171	6.072	6.272	50.430	50.000	0.9
Endrin	5.468	5.368	5.568	48.370	50.000	-3.3
Endrin aldehyde	5.947	5.848	6.048	50.430	50.000	0.9
Endrin ketone	6.674	6.574	6.774	48.910	50.000	-2.2
gamma-BHC (Lindane)	3.444	3.344	3.544	51.130	50.000	2.3
gamma-Chlordane	4.813	4.713	4.913	49.900	50.000	-0.2
Heptachlor	3.780	3.680	3.880	51.200	50.000	2.4
Heptachlor epoxide	4.561	4.462	4.662	49.660	50.000	-0.7
Methoxychlor	6.467	6.367	6.567	51.210	50.000	2.4
Tetrachloro-m-xylene	2.618	2.518	2.718	50.750	50.000	1.5

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CALIBRATION VERIFICATION SUMMARY

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

Continuing Calib Date: 11/06/2023 **Initial Calibration Date(s):** 11/01/2023 11/01/2023

Continuing Calib Time: 18:49 **Initial Calibration Time(s):** 08:49 09:45

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.86	8.86	8.76	8.96	0.01
Tetrachloro-m-xylene	3.35	3.35	3.25	3.45	0.00
alpha-BHC	3.81	3.81	3.71	3.91	0.00
beta-BHC	4.34	4.34	4.24	4.44	0.00
delta-BHC	4.59	4.59	4.49	4.69	0.00
gamma-BHC (Lindane)	4.14	4.14	4.04	4.24	0.00
Heptachlor	4.73	4.73	4.63	4.83	0.00
Aldrin	5.07	5.07	4.97	5.17	0.00
Heptachlor epoxide	5.50	5.50	5.40	5.60	0.00
Endosulfan I	5.88	5.88	5.78	5.98	0.00
Dieldrin	6.16	6.16	6.06	6.26	0.00
4,4'-DDE	6.02	6.02	5.92	6.12	0.00
Endrin	6.39	6.39	6.29	6.49	0.00
Endosulfan II	6.61	6.61	6.51	6.71	0.00
4,4'-DDD	6.54	6.54	6.44	6.64	0.01
Endosulfan sulfate	6.98	6.98	6.88	7.08	0.01
4,4'-DDT	6.85	6.85	6.75	6.95	0.00
Methoxychlor	7.34	7.34	7.24	7.44	0.00
Endrin ketone	7.46	7.46	7.36	7.56	0.00
Endrin aldehyde	6.74	6.74	6.64	6.84	0.00
alpha-Chlordane	5.83	5.83	5.73	5.93	0.00
gamma-Chlordane	5.75	5.75	5.65	5.85	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

Continuing Calib Date: 11/06/2023 **Initial Calibration Date(s):** 11/01/2023 11/01/2023

Continuing Calib Time: 18:49 **Initial Calibration Time(s):** 08:49 09:45

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.77	7.77	7.67	7.87	0.00
Tetrachloro-m-xylene	2.62	2.62	2.52	2.72	0.00
alpha-BHC	3.12	3.12	3.02	3.22	0.00
beta-BHC	3.75	3.75	3.65	3.85	0.00
delta-BHC	3.97	3.97	3.87	4.07	0.00
gamma-BHC (Lindane)	3.44	3.44	3.34	3.54	0.00
Heptachlor	3.78	3.78	3.68	3.88	0.00
Aldrin	4.06	4.06	3.96	4.16	0.00
Heptachlor epoxide	4.56	4.56	4.46	4.66	0.00
Endosulfan I	4.93	4.93	4.83	5.03	0.00
Dieldrin	5.19	5.20	5.10	5.30	0.01
4,4'-DDE	5.08	5.08	4.98	5.18	0.00
Endrin	5.47	5.47	5.37	5.57	0.00
Endosulfan II	5.77	5.77	5.67	5.87	0.00
4,4'-DDD	5.63	5.63	5.53	5.73	0.00
Endosulfan sulfate	6.17	6.17	6.07	6.27	0.00
4,4'-DDT	5.88	5.88	5.78	5.98	0.00
Methoxychlor	6.47	6.47	6.37	6.57	0.00
Endrin ketone	6.67	6.67	6.57	6.77	0.00
Endrin aldehyde	5.95	5.95	5.85	6.05	0.00
alpha-Chlordane	4.88	4.88	4.78	4.98	0.00
gamma-Chlordane	4.81	4.81	4.71	4.91	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 11/01/2023 11/01/2023

Client Sample No.: CCAL02 **Date Analyzed:** 11/06/2023

Lab Sample No.: PSTDCCC050 **Data File :** PL086485.D **Time Analyzed:** 18:49

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.535	6.435	6.635	54.100	50.000	8.2
4,4'-DDE	6.016	5.916	6.116	51.670	50.000	3.3
4,4'-DDT	6.851	6.750	6.950	51.550	50.000	3.1
Aldrin	5.066	4.965	5.165	48.560	50.000	-2.9
alpha-BHC	3.807	3.707	3.907	49.170	50.000	-1.7
alpha-Chlordane	5.832	5.732	5.932	47.700	50.000	-4.6
beta-BHC	4.342	4.242	4.442	46.940	50.000	-6.1
Decachlorobiphenyl	8.855	8.755	8.955	49.550	50.000	-0.9
delta-BHC	4.585	4.485	4.685	49.290	50.000	-1.4
Dieldrin	6.157	6.056	6.256	47.670	50.000	-4.7
Endosulfan I	5.880	5.779	5.979	47.680	50.000	-4.6
Endosulfan II	6.608	6.508	6.708	49.110	50.000	-1.8
Endosulfan sulfate	6.975	6.875	7.075	48.440	50.000	-3.1
Endrin	6.385	6.285	6.485	47.190	50.000	-5.6
Endrin aldehyde	6.739	6.639	6.839	49.430	50.000	-1.1
Endrin ketone	7.457	7.357	7.557	49.520	50.000	-1.0
gamma-BHC (Lindane)	4.139	4.039	4.239	49.580	50.000	-0.8
gamma-Chlordane	5.753	5.653	5.853	48.140	50.000	-3.7
Heptachlor	4.726	4.626	4.826	49.440	50.000	-1.1
Heptachlor epoxide	5.496	5.395	5.595	48.040	50.000	-3.9
Methoxychlor	7.336	7.236	7.436	52.710	50.000	5.4
Tetrachloro-m-xylene	3.353	3.253	3.453	48.660	50.000	-2.7

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CALIBRATION VERIFICATION SUMMARY

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 11/01/2023 11/01/2023

Client Sample No.: CCAL02 **Date Analyzed:** 11/06/2023

Lab Sample No.: PSTDCCC050 **Data File :** PL086485.D **Time Analyzed:** 18:49

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.632	5.532	5.732	57.180	50.000	14.4
4,4'-DDE	5.076	4.976	5.176	55.690	50.000	11.4
4,4'-DDT	5.883	5.783	5.983	54.530	50.000	9.1
Aldrin	4.056	3.957	4.157	52.250	50.000	4.5
alpha-BHC	3.116	3.017	3.217	52.560	50.000	5.1
alpha-Chlordane	4.876	4.777	4.977	50.190	50.000	0.4
beta-BHC	3.746	3.646	3.846	51.830	50.000	3.7
Decachlorobiphenyl	7.768	7.670	7.870	50.230	50.000	0.5
delta-BHC	3.970	3.872	4.072	52.960	50.000	5.9
Dieldrin	5.194	5.095	5.295	51.770	50.000	3.5
Endosulfan I	4.928	4.829	5.029	48.710	50.000	-2.6
Endosulfan II	5.766	5.666	5.866	51.990	50.000	4.0
Endosulfan sulfate	6.172	6.072	6.272	52.400	50.000	4.8
Endrin	5.468	5.368	5.568	49.680	50.000	-0.6
Endrin aldehyde	5.948	5.848	6.048	53.400	50.000	6.8
Endrin ketone	6.673	6.574	6.774	52.570	50.000	5.1
gamma-BHC (Lindane)	3.443	3.344	3.544	51.610	50.000	3.2
gamma-Chlordane	4.812	4.713	4.913	51.870	50.000	3.7
Heptachlor	3.779	3.680	3.880	51.590	50.000	3.2
Heptachlor epoxide	4.561	4.462	4.662	51.330	50.000	2.7
Methoxychlor	6.466	6.367	6.567	53.610	50.000	7.2
Tetrachloro-m-xylene	2.618	2.518	2.718	51.290	50.000	2.6

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CALIBRATION VERIFICATION SUMMARY

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

Continuing Calib Date: 11/06/2023 **Initial Calibration Date(s):** 11/01/2023 11/01/2023

Continuing Calib Time: 21:20 **Initial Calibration Time(s):** 08:49 09:45

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.85	8.86	8.76	8.96	0.01
Tetrachloro-m-xylene	3.35	3.35	3.25	3.45	0.00
alpha-BHC	3.81	3.81	3.71	3.91	0.00
beta-BHC	4.34	4.34	4.24	4.44	0.00
delta-BHC	4.58	4.59	4.49	4.69	0.01
gamma-BHC (Lindane)	4.14	4.14	4.04	4.24	0.00
Heptachlor	4.73	4.73	4.63	4.83	0.01
Aldrin	5.06	5.07	4.97	5.17	0.01
Heptachlor epoxide	5.50	5.50	5.40	5.60	0.01
Endosulfan I	5.88	5.88	5.78	5.98	0.00
Dieldrin	6.16	6.16	6.06	6.26	0.00
4,4'-DDE	6.02	6.02	5.92	6.12	0.01
Endrin	6.38	6.39	6.29	6.49	0.01
Endosulfan II	6.61	6.61	6.51	6.71	0.00
4,4'-DDD	6.54	6.54	6.44	6.64	0.01
Endosulfan sulfate	6.97	6.98	6.88	7.08	0.01
4,4'-DDT	6.85	6.85	6.75	6.95	0.00
Methoxychlor	7.34	7.34	7.24	7.44	0.00
Endrin ketone	7.46	7.46	7.36	7.56	0.00
Endrin aldehyde	6.74	6.74	6.64	6.84	0.00
alpha-Chlordane	5.83	5.83	5.73	5.93	0.00
gamma-Chlordane	5.75	5.75	5.65	5.85	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

Continuing Calib Date: 11/06/2023 **Initial Calibration Date(s):** 11/01/2023 11/01/2023

Continuing Calib Time: 21:20 **Initial Calibration Time(s):** 08:49 09:45

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.77	7.77	7.67	7.87	0.00
Tetrachloro-m-xylene	2.62	2.62	2.52	2.72	0.00
alpha-BHC	3.12	3.12	3.02	3.22	0.00
beta-BHC	3.75	3.75	3.65	3.85	0.01
delta-BHC	3.97	3.97	3.87	4.07	0.00
gamma-BHC (Lindane)	3.44	3.44	3.34	3.54	0.00
Heptachlor	3.78	3.78	3.68	3.88	0.00
Aldrin	4.06	4.06	3.96	4.16	0.00
Heptachlor epoxide	4.56	4.56	4.46	4.66	0.00
Endosulfan I	4.93	4.93	4.83	5.03	0.00
Dieldrin	5.19	5.20	5.10	5.30	0.01
4,4'-DDE	5.08	5.08	4.98	5.18	0.01
Endrin	5.47	5.47	5.37	5.57	0.00
Endosulfan II	5.77	5.77	5.67	5.87	0.00
4,4'-DDD	5.63	5.63	5.53	5.73	0.00
Endosulfan sulfate	6.17	6.17	6.07	6.27	0.00
4,4'-DDT	5.88	5.88	5.78	5.98	0.00
Methoxychlor	6.47	6.47	6.37	6.57	0.00
Endrin ketone	6.67	6.67	6.57	6.77	0.00
Endrin aldehyde	5.95	5.95	5.85	6.05	0.00
alpha-Chlordane	4.88	4.88	4.78	4.98	0.00
gamma-Chlordane	4.81	4.81	4.71	4.91	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 11/01/2023 11/01/2023

Client Sample No.: CCAL03 **Date Analyzed:** 11/06/2023

Lab Sample No.: PSTDCCC050 **Data File :** PL086495.D **Time Analyzed:** 21:20

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.535	6.435	6.635	55.970	50.000	11.9
4,4'-DDE	6.015	5.916	6.116	53.360	50.000	6.7
4,4'-DDT	6.849	6.750	6.950	51.640	50.000	3.3
Aldrin	5.064	4.965	5.165	49.950	50.000	-0.1
alpha-BHC	3.806	3.707	3.907	50.180	50.000	0.4
alpha-Chlordane	5.831	5.732	5.932	48.700	50.000	-2.6
beta-BHC	4.341	4.242	4.442	47.970	50.000	-4.1
Decachlorobiphenyl	8.853	8.755	8.955	49.420	50.000	-1.2
delta-BHC	4.584	4.485	4.685	50.450	50.000	0.9
Dieldrin	6.155	6.056	6.256	48.920	50.000	-2.2
Endosulfan I	5.878	5.779	5.979	48.600	50.000	-2.8
Endosulfan II	6.606	6.508	6.708	49.760	50.000	-0.5
Endosulfan sulfate	6.974	6.875	7.075	48.710	50.000	-2.6
Endrin	6.384	6.285	6.485	46.270	50.000	-7.5
Endrin aldehyde	6.738	6.639	6.839	50.040	50.000	0.1
Endrin ketone	7.456	7.357	7.557	49.880	50.000	-0.2
gamma-BHC (Lindane)	4.138	4.039	4.239	50.120	50.000	0.2
gamma-Chlordane	5.751	5.653	5.853	49.160	50.000	-1.7
Heptachlor	4.725	4.626	4.826	50.660	50.000	1.3
Heptachlor epoxide	5.495	5.395	5.595	49.080	50.000	-1.8
Methoxychlor	7.335	7.236	7.436	51.700	50.000	3.4
Tetrachloro-m-xylene	3.353	3.253	3.453	49.860	50.000	-0.3

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CALIBRATION VERIFICATION SUMMARY

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 11/01/2023 11/01/2023

Client Sample No.: CCAL03 **Date Analyzed:** 11/06/2023

Lab Sample No.: PSTDCCC050 **Data File :** PL086495.D **Time Analyzed:** 21:20

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.631	5.532	5.732	57.470	50.000	14.9
4,4'-DDE	5.075	4.976	5.176	55.750	50.000	11.5
4,4'-DDT	5.881	5.783	5.983	53.700	50.000	7.4
Aldrin	4.056	3.957	4.157	52.050	50.000	4.1
alpha-BHC	3.116	3.017	3.217	52.400	50.000	4.8
alpha-Chlordane	4.875	4.777	4.977	49.920	50.000	-0.2
beta-BHC	3.745	3.646	3.846	51.500	50.000	3.0
Decachlorobiphenyl	7.769	7.670	7.870	50.490	50.000	1.0
delta-BHC	3.971	3.872	4.072	52.710	50.000	5.4
Dieldrin	5.194	5.095	5.295	51.560	50.000	3.1
Endosulfan I	4.928	4.829	5.029	48.360	50.000	-3.3
Endosulfan II	5.766	5.666	5.866	51.740	50.000	3.5
Endosulfan sulfate	6.171	6.072	6.272	52.360	50.000	4.7
Endrin	5.467	5.368	5.568	48.970	50.000	-2.1
Endrin aldehyde	5.947	5.848	6.048	53.840	50.000	7.7
Endrin ketone	6.673	6.574	6.774	53.220	50.000	6.4
gamma-BHC (Lindane)	3.443	3.344	3.544	51.600	50.000	3.2
gamma-Chlordane	4.812	4.713	4.913	51.780	50.000	3.6
Heptachlor	3.779	3.680	3.880	51.440	50.000	2.9
Heptachlor epoxide	4.560	4.462	4.662	51.120	50.000	2.2
Methoxychlor	6.466	6.367	6.567	52.740	50.000	5.5
Tetrachloro-m-xylene	2.619	2.518	2.718	51.070	50.000	2.1

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/01/2023 11/01/2023

Client Sample No. (PEM): PEM - PL086341.D **Date Analyzed:** 11/01/2023

Lab Sample No.(PEM): PEM **Time Analyzed:** 08:22

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.854	8.750	8.950	19.390	20.000	-3.1
Tetrachloro-m-xylene	3.353	3.300	3.400	18.330	20.000	-8.4
alpha-BHC	3.806	3.760	3.860	8.650	10.000	-13.5
beta-BHC	4.342	4.290	4.390	10.130	10.000	1.3
gamma-BHC (Lindane)	4.138	4.090	4.190	8.710	10.000	-12.9
Endrin	6.384	6.310	6.450	43.770	50.000	-12.5
4,4'-DDT	6.850	6.780	6.920	101.640	100.000	1.6
Methoxychlor	7.334	7.260	7.400	244.660	250.000	-2.1

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/01/2023 11/01/2023

Client Sample No. (PEM): PEM - PL086341.D **Date Analyzed:** 11/01/2023

Lab Sample No.(PEM): PEM **Time Analyzed:** 08:22

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.770	7.670	7.870	19.620	20.000	-1.9
Tetrachloro-m-xylene	2.618	2.570	2.670	18.100	20.000	-9.5
alpha-BHC	3.116	3.070	3.170	8.370	10.000	-16.3
beta-BHC	3.746	3.700	3.800	10.310	10.000	3.1
gamma-BHC (Lindane)	3.444	3.390	3.490	8.270	10.000	-17.3
Endrin	5.468	5.400	5.540	45.530	50.000	-8.9
4,4'-DDT	5.883	5.810	5.950	107.030	100.000	7.0
Methoxychlor	6.468	6.400	6.540	237.590	250.000	-5.0

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/01/2023 11/01/2023

Client Sample No. (PEM): PEM - PL086461.D **Date Analyzed:** 11/06/2023

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:57

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.853	8.750	8.950	17.190	20.000	-14.1
Tetrachloro-m-xylene	3.352	3.300	3.400	15.900	20.000	-20.5
alpha-BHC	3.806	3.760	3.860	7.580	10.000	-24.2
beta-BHC	4.342	4.290	4.390	8.370	10.000	-16.3
gamma-BHC (Lindane)	4.138	4.090	4.190	7.590	10.000	-24.1
Endrin	6.384	6.310	6.450	38.440	50.000	-23.1
4,4'-DDT	6.849	6.780	6.920	89.810	100.000	-10.2
Methoxychlor	7.335	7.260	7.410	220.960	250.000	-11.6

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/01/2023 11/01/2023

Client Sample No. (PEM): PEM - PL086461.D **Date Analyzed:** 11/06/2023

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:57

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.769	7.670	7.870	18.110	20.000	-9.5
Tetrachloro-m-xylene	2.618	2.570	2.670	16.520	20.000	-17.4
alpha-BHC	3.116	3.070	3.170	7.590	10.000	-24.1
beta-BHC	3.744	3.690	3.790	9.330	10.000	-6.7
gamma-BHC (Lindane)	3.443	3.390	3.490	7.390	10.000	-26.1
Endrin	5.468	5.400	5.540	38.460	50.000	-23.1
4,4'-DDT	5.882	5.810	5.950	96.410	100.000	-3.6
Methoxychlor	6.466	6.400	6.540	221.440	250.000	-11.4

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Analytical Sequence

Client: RMJ Environomics, Inc. **SDG No.:** O5252

Project: 245 Greenwood Ave **Instrument ID:** ECD_L

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 11/01/2023 11/01/2023

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	11/01/2023	08:08	PL086340.D	8.86	3.35
PEM	PEM	11/01/2023	08:22	PL086341.D	8.85	3.35
RESCHK	RESCHK	11/01/2023	08:36	PL086342.D	8.86	3.35
PSTDICC100	PSTDICC100	11/01/2023	08:49	PL086343.D	8.86	3.35
PSTDICC075	PSTDICC075	11/01/2023	09:03	PL086344.D	8.86	3.35
PSTDICC050	PSTDICC050	11/01/2023	09:17	PL086345.D	8.86	3.35
PSTDICC025	PSTDICC025	11/01/2023	09:31	PL086346.D	8.85	3.35
PSTDICC005	PSTDICC005	11/01/2023	09:45	PL086347.D	8.85	3.35
PCHLORICC500	PCHLORICC500	11/01/2023	10:26	PL086350.D	8.86	3.35
PTOXICC500	PTOXICC500	11/01/2023	11:35	PL086355.D	8.85	3.35
PEM	PEM	11/06/2023	09:57	PL086461.D	8.85	3.35
I.BLK	I.BLK	11/06/2023	15:45	PL086473.D	8.85	3.35
PSTDCCC050	PSTDCCC050	11/06/2023	15:59	PL086474.D	8.85	3.35
PB156920BL	PB156920BL	11/06/2023	17:11	PL086479.D	8.86	3.36
PB156920BS	PB156920BS	11/06/2023	17:24	PL086480.D	8.85	3.35
WASTE	O5252-01	11/06/2023	17:38	PL086481.D	8.85	3.35
I.BLK	I.BLK	11/06/2023	18:35	PL086484.D	8.87	3.36
PSTDCCC050	PSTDCCC050	11/06/2023	18:49	PL086485.D	8.86	3.35
WC-1MS	O5256-01MS	11/06/2023	19:57	PL086489.D	8.85	3.35
WC-1MSD	O5256-01MSD	11/06/2023	20:11	PL086490.D	8.85	3.35
I.BLK	I.BLK	11/06/2023	20:53	PL086493.D	8.85	3.35
PSTDCCC050	PSTDCCC050	11/06/2023	21:20	PL086495.D	8.85	3.35

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Analytical Sequence

Client: RMJ Environomics, Inc. **SDG No.:** O5252

Project: 245 Greenwood Ave **Instrument ID:** ECD_L

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 11/01/2023 11/01/2023

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	11/01/2023	08:08	PL086340.D	7.77	2.62
PEM	PEM	11/01/2023	08:22	PL086341.D	7.77	2.62
RESCHK	RESCHK	11/01/2023	08:36	PL086342.D	7.77	2.62
PSTDICC100	PSTDICC100	11/01/2023	08:49	PL086343.D	7.77	2.62
PSTDICC075	PSTDICC075	11/01/2023	09:03	PL086344.D	7.77	2.62
PSTDICC050	PSTDICC050	11/01/2023	09:17	PL086345.D	7.77	2.62
PSTDICC025	PSTDICC025	11/01/2023	09:31	PL086346.D	7.77	2.62
PSTDICC005	PSTDICC005	11/01/2023	09:45	PL086347.D	7.77	2.62
PCHLORICC500	PCHLORICC500	11/01/2023	10:26	PL086350.D	7.77	2.62
PTOXICC500	PTOXICC500	11/01/2023	11:35	PL086355.D	7.77	2.62
PEM	PEM	11/06/2023	09:57	PL086461.D	7.77	2.62
I.BLK	I.BLK	11/06/2023	15:45	PL086473.D	7.77	2.62
PSTDCCC050	PSTDCCC050	11/06/2023	15:59	PL086474.D	7.77	2.62
PB156920BL	PB156920BL	11/06/2023	17:11	PL086479.D	7.77	2.62
PB156920BS	PB156920BS	11/06/2023	17:24	PL086480.D	7.77	2.62
WASTE	O5252-01	11/06/2023	17:38	PL086481.D	7.77	2.62
I.BLK	I.BLK	11/06/2023	18:35	PL086484.D	7.77	2.62
PSTDCCC050	PSTDCCC050	11/06/2023	18:49	PL086485.D	7.77	2.62
WC-1MS	O5256-01MS	11/06/2023	19:57	PL086489.D	7.77	2.62
WC-1MSD	O5256-01MSD	11/06/2023	20:11	PL086490.D	7.77	2.62
I.BLK	I.BLK	11/06/2023	20:53	PL086493.D	7.77	2.62
PSTDCCC050	PSTDCCC050	11/06/2023	21:20	PL086495.D	7.77	2.62

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB156920BS

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

Lab Sample ID: PB156920BS **Date(s) Analyzed:** 11/06/2023 11/06/2023

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.61	6.56	6.66	15.7	5
	2	5.77	5.72	5.82	16.5	
4,4'-DDD	1	6.53	6.48	6.58	17.5	3.9
	2	5.63	5.58	5.68	18.2	
4,4'-DDT	1	6.85	6.80	6.90	16.7	3.5
	2	5.88	5.83	5.93	17.3	
Endrin aldehyde	1	6.74	6.69	6.79	16.8	8
	2	5.95	5.90	6.00	18.2	
Endosulfan sulfate	1	6.97	6.92	7.02	15.2	8.8
	2	6.17	6.12	6.22	16.6	
Methoxychlor	1	7.34	7.29	7.39	16.3	1.8
	2	6.47	6.42	6.52	16.6	
Endrin ketone	1	7.46	7.41	7.51	15.5	8
	2	6.67	6.62	6.72	16.8	
alpha-BHC	1	3.81	3.76	3.86	15.2	8.2
	2	3.12	3.07	3.17	16.5	
gamma-BHC (Lindane)	1	4.14	4.09	4.19	15.2	7.6
	2	3.44	3.39	3.49	16.4	
Heptachlor	1	4.73	4.68	4.78	15.6	6.2
	2	3.78	3.73	3.83	16.6	
Aldrin	1	5.07	5.02	5.12	15.2	9.4
	2	4.06	4.01	4.11	16.7	
beta-BHC	1	4.34	4.29	4.39	14.6	11
	2	3.75	3.70	3.80	16.3	
delta-BHC	1	4.58	4.53	4.63	15.2	8.8
	2	3.97	3.92	4.02	16.6	
Heptachlor epoxide	1	5.50	5.45	5.55	15.2	8.8
	2	4.56	4.51	4.61	16.6	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB156920BS

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

Lab Sample ID: PB156920BS **Date(s) Analyzed:** 11/06/2023 11/06/2023

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan I	1	5.88	5.83	5.93	15.1	3.3
	2	4.93	4.88	4.98	15.6	
gamma-Chlordane	1	5.75	5.70	5.80	15.2	9.4
	2	4.81	4.76	4.86	16.7	
alpha-Chlordane	1	5.83	5.78	5.88	15.0	7.1
	2	4.88	4.83	4.93	16.1	
4,4'-DDE	1	6.02	5.97	6.07	16.4	8.7
	2	5.08	5.03	5.13	17.9	
Dieldrin	1	6.16	6.11	6.21	15.1	8.9
	2	5.19	5.14	5.24	16.5	
Endrin	1	6.38	6.33	6.43	14.6	9.8
	2	5.47	5.42	5.52	16.1	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WASTE

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

Lab Sample ID: O5252-01 **Date(s) Analyzed:** 11/06/2023 11/06/2023

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDT	1	6.85	6.80	6.90	0.49	16.1
	2	5.88	5.83	5.93	0.42	
alpha-Chlordane	1	5.83	5.78	5.88	0.66	69.7
	2	4.87	4.82	4.92	0.32	
4,4'-DDE	1	6.01	5.96	6.06	0.38	0
	2	5.07	5.02	5.12	0.38	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-1MS

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

Lab Sample ID: O5256-01MS **Date(s) Analyzed:** 11/06/2023 11/06/2023

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.54	6.49	6.59	20.1	1
	2	5.63	5.58	5.68	20.3	
4,4'-DDE	1	6.02	5.97	6.07	17.7	13.7
	2	5.08	5.03	5.13	20.3	
Endosulfan II	1	6.61	6.56	6.66	16.8	10.7
	2	5.77	5.72	5.82	18.7	
4,4'-DDT	1	6.85	6.80	6.90	19.0	2.6
	2	5.88	5.83	5.93	19.5	
Endrin aldehyde	1	6.74	6.69	6.79	17.7	11.2
	2	5.95	5.90	6.00	19.8	
Endosulfan sulfate	1	6.97	6.92	7.02	16.6	9.7
	2	6.17	6.12	6.22	18.3	
Methoxychlor	1	7.34	7.29	7.39	20.4	7.5
	2	6.47	6.42	6.52	22.0	
Endrin ketone	1	7.46	7.41	7.51	17.6	0
	2	6.67	6.62	6.72	17.6	
alpha-BHC	1	3.81	3.76	3.86	17.5	6.1
	2	3.12	3.07	3.17	18.6	
gamma-BHC (Lindane)	1	4.14	4.09	4.19	18.3	3.8
	2	3.44	3.39	3.49	19.0	
Heptachlor	1	4.73	4.68	4.78	17.9	4.9
	2	3.78	3.73	3.83	18.8	
Aldrin	1	5.07	5.02	5.12	17.6	13.8
	2	4.06	4.01	4.11	20.2	
beta-BHC	1	4.34	4.29	4.39	18.8	2.2
	2	3.75	3.70	3.80	18.4	
delta-BHC	1	4.59	4.54	4.64	17.8	3.9
	2	3.97	3.92	4.02	18.5	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-1MS

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

Lab Sample ID: O5256-01MS **Date(s) Analyzed:** 11/06/2023 11/06/2023

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Heptachlor epoxide	1	5.50	5.45	5.55	16.7	8.6
	2	4.56	4.51	4.61	18.2	
Endosulfan I	1	5.88	5.83	5.93	16.4	6.9
	2	4.93	4.88	4.98	15.3	
gamma-Chlordane	1	5.75	5.70	5.80	18.6	0.5
	2	4.81	4.76	4.86	18.5	
alpha-Chlordane	1	5.83	5.78	5.88	17.8	0.6
	2	4.88	4.83	4.93	17.7	
Dieldrin	1	6.16	6.11	6.21	17.4	19.7
	2	5.19	5.14	5.24	21.2	
Endrin	1	6.38	6.33	6.43	16.1	12.8
	2	5.47	5.42	5.52	18.3	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-1MSD

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

Lab Sample ID: O5256-01MSD **Date(s) Analyzed:** 11/06/2023 11/06/2023

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
delta-BHC	1	4.59	4.54	4.64	17.5	6.1
	2	3.97	3.92	4.02	18.6	
Heptachlor epoxide	1	5.50	5.45	5.55	16.8	8.5
	2	4.56	4.51	4.61	18.3	
Endosulfan I	1	5.88	5.83	5.93	16.7	6.8
	2	4.93	4.88	4.98	15.6	
gamma-Chlordane	1	5.75	5.70	5.80	18.4	1.1
	2	4.81	4.76	4.86	18.6	
alpha-Chlordane	1	5.83	5.78	5.88	17.8	0
	2	4.88	4.83	4.93	17.8	
4,4'-DDE	1	6.02	5.97	6.07	17.6	14.7
	2	5.08	5.03	5.13	20.4	
Dieldrin	1	6.16	6.11	6.21	17.0	22.5
	2	5.19	5.14	5.24	21.3	
Endrin	1	6.39	6.34	6.44	16.2	12.7
	2	5.47	5.42	5.52	18.4	
Endosulfan II	1	6.61	6.56	6.66	16.8	11.8
	2	5.77	5.72	5.82	18.9	
4,4'-DDD	1	6.54	6.49	6.59	20.0	2
	2	5.63	5.58	5.68	20.4	
4,4'-DDT	1	6.85	6.80	6.90	19.2	2.1
	2	5.88	5.83	5.93	19.6	
Endrin aldehyde	1	6.74	6.69	6.79	17.9	11.1
	2	5.95	5.90	6.00	20.0	
Endosulfan sulfate	1	6.98	6.93	7.03	16.6	10.3
	2	6.17	6.12	6.22	18.4	
Methoxychlor	1	7.34	7.29	7.39	20.7	7
	2	6.47	6.42	6.52	22.2	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-1MSD

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

Lab Sample ID: O5256-01MSD **Date(s) Analyzed:** 11/06/2023 11/06/2023

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endrin ketone	1	7.46	7.41	7.51	17.5	0
	2	6.67	6.62	6.72	17.5	
alpha-BHC	1	3.81	3.76	3.86	18.1	3.8
	2	3.12	3.07	3.17	18.8	
gamma-BHC (Lindane)	1	4.14	4.09	4.19	18.6	2.7
	2	3.44	3.39	3.49	19.1	
Heptachlor	1	4.73	4.68	4.78	17.7	7.1
	2	3.78	3.73	3.83	19.0	
Aldrin	1	5.07	5.02	5.12	17.7	14.2
	2	4.06	4.01	4.11	20.4	
beta-BHC	1	4.34	4.29	4.39	17.2	7.8
	2	3.75	3.70	3.80	18.6	

CHEMTECH

SAMPLE RAW DATA

Sample Results: **PL086481.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110623\
Data File : PL086481.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2023 17:38
Operator : AR\AJ
Sample : 05252-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
WASTE

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/07/2023
Supervised By :Ankita Jodhani 11/07/2023

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 20:39:48 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL110123.M
Quant Title : GC Extractables
QLast Update : Thu Nov 02 05:32:51 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.352	2.618	25449714	9343024	8.019	9.814
28)	SA Decachlor...	8.852	7.768	28193581	13043532	10.660	11.371
	Target Compounds						
10)	B gamma-Chl...	5.753	4.809	4173892	407557	1.052	0.344m#
11)	B alpha-Chl...	5.834	4.874	7168240	1084847	1.801m	0.868m#
12)	B 4,4'-DDE	6.014	5.073	3312607	1028898	1.044	1.043m
17)	MA 4,4'-DDT	6.848	5.878	3497845	1073394	1.341	1.139m

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

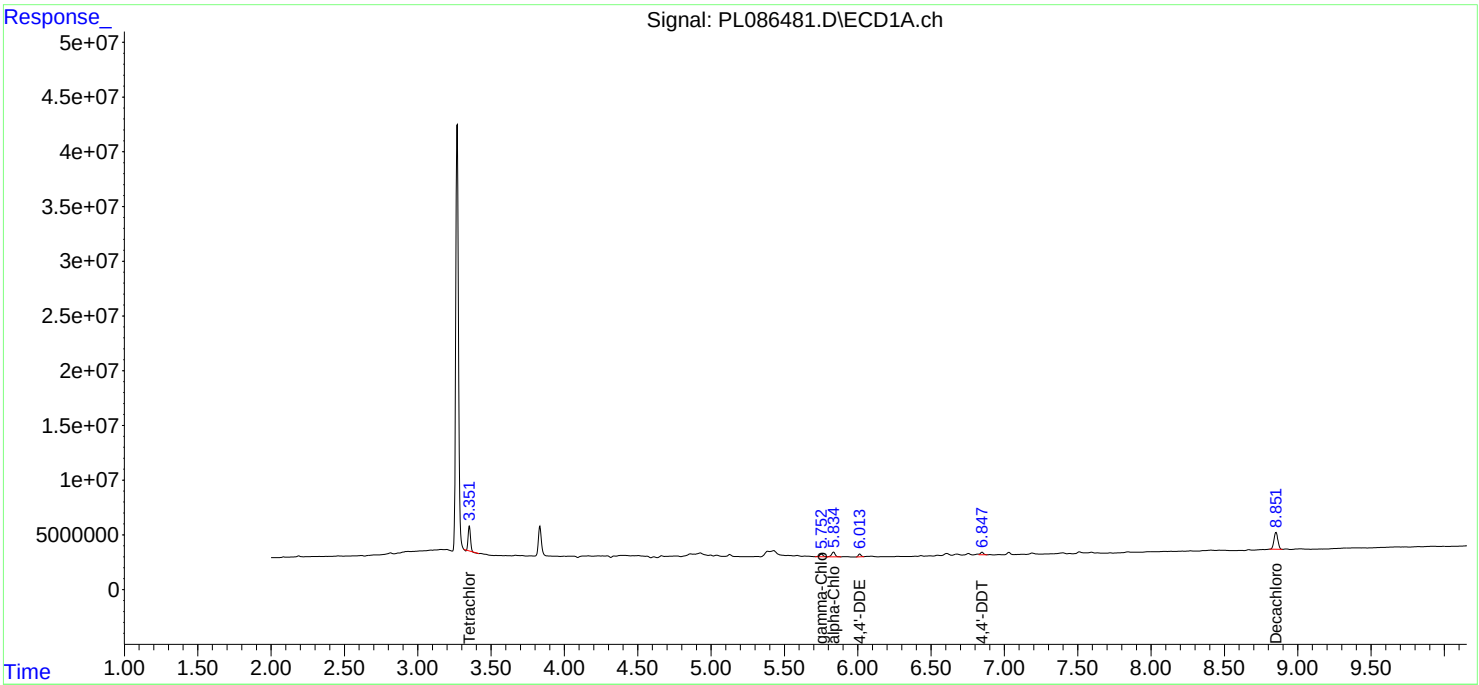
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110623\
Data File : PL086481.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2023 17:38
Operator : AR\AJ
Sample : 05252-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

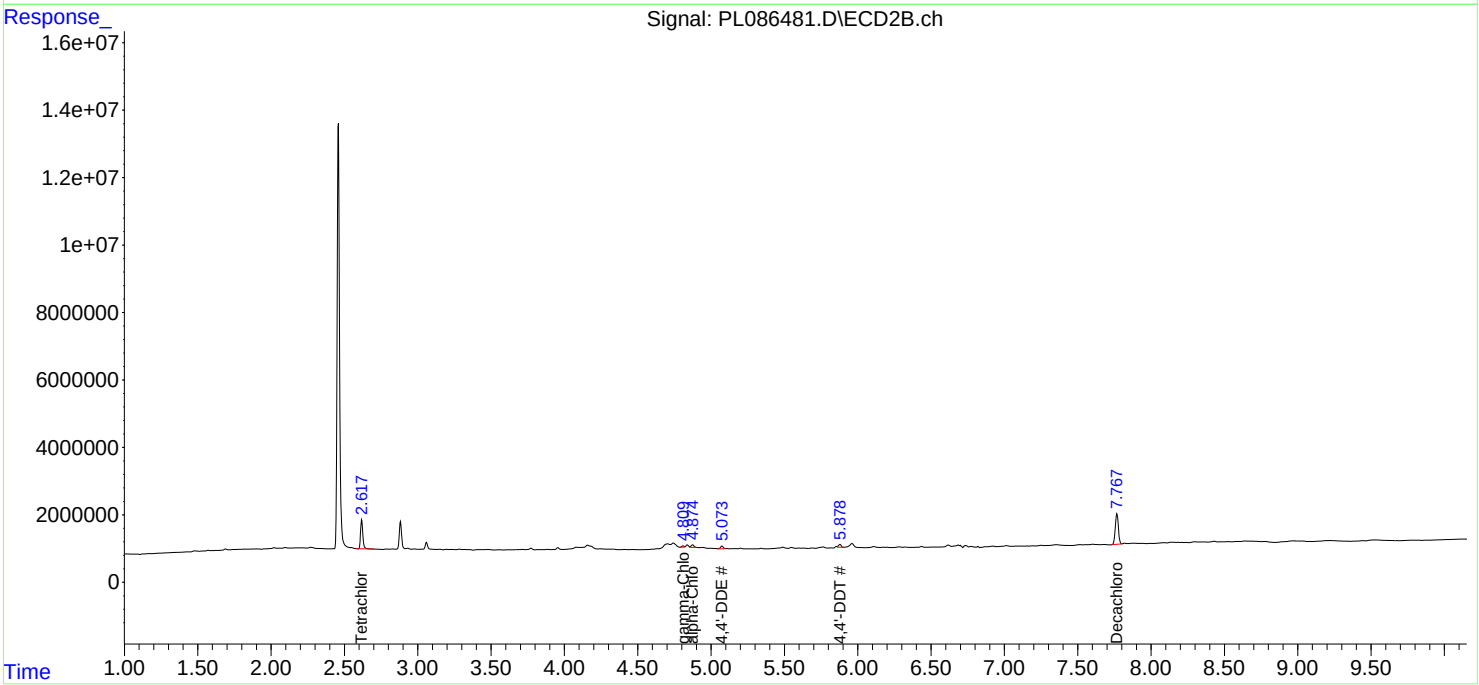
Instrument :
ECD_L
ClientSampleId :
WASTE

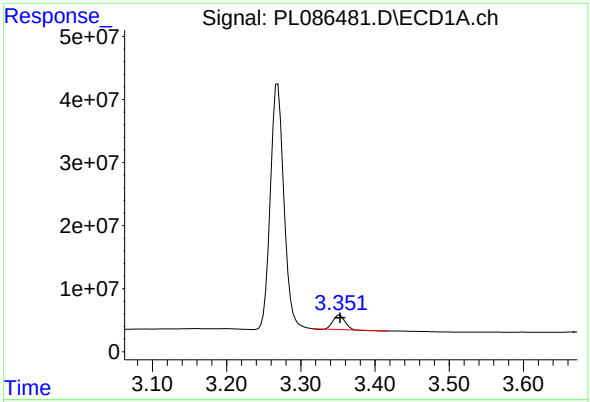
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 11/07/2023
Supervised By :Ankita Jodhani 11/07/2023

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 20:39:48 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL110123.M
Quant Title : GC Extractables
QLast Update : Thu Nov 02 05:32:51 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm







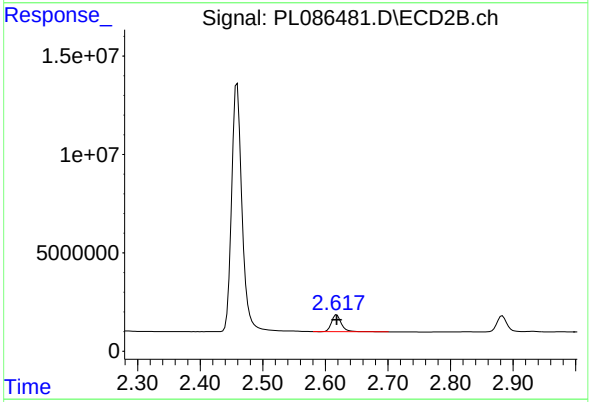
#1 Tetrachloro-m-xylene

R.T.: 3.352 min
Delta R.T.: 0.000 min
Response: 25449714
Conc: 8.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
WASTE

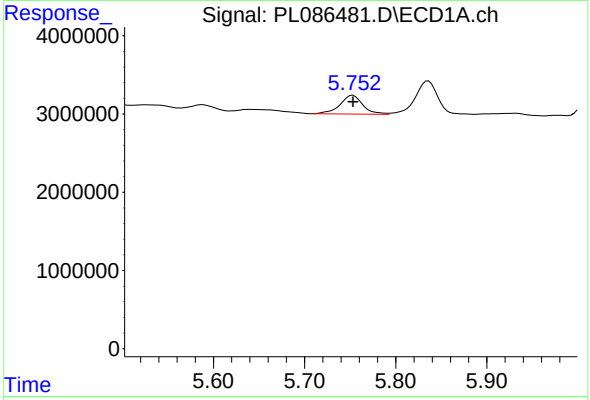
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/07/2023
Supervised By :Ankita Jodhani 11/07/2023



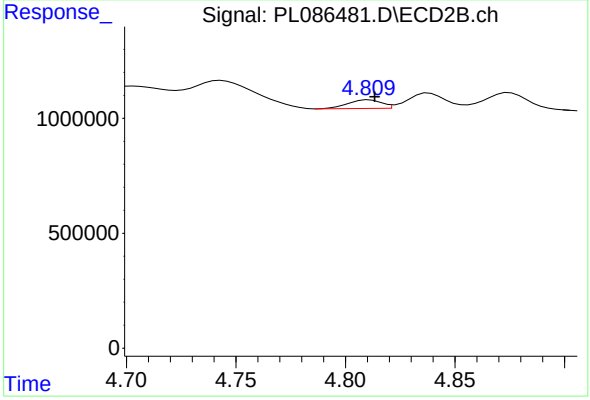
#1 Tetrachloro-m-xylene

R.T.: 2.618 min
Delta R.T.: 0.000 min
Response: 9343024
Conc: 9.81 ng/ml



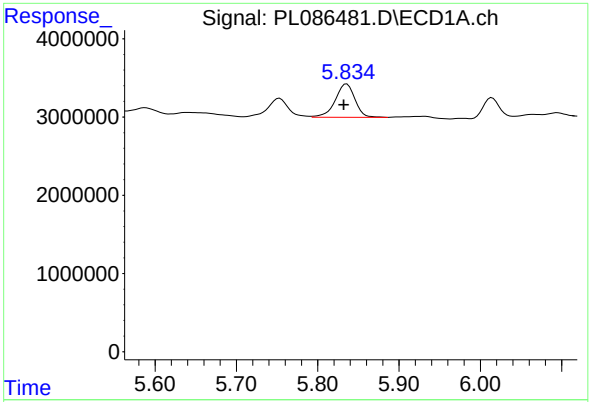
#10 gamma-Chlordane

R.T.: 5.753 min
Delta R.T.: 0.000 min
Response: 4173892
Conc: 1.05 ng/ml



#10 gamma-Chlordane

R.T.: 4.809 min
Delta R.T.: -0.004 min
Response: 407557
Conc: 0.34 ng/ml m



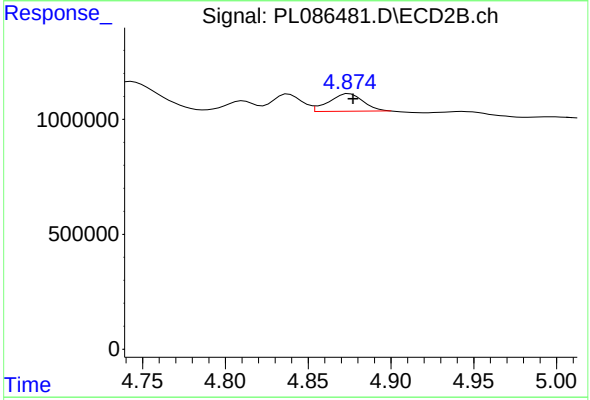
#11 alpha-Chlordane

R.T.: 5.834 min
Delta R.T.: 0.002 min
Response: 7168240
Conc: 1.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
WASTE

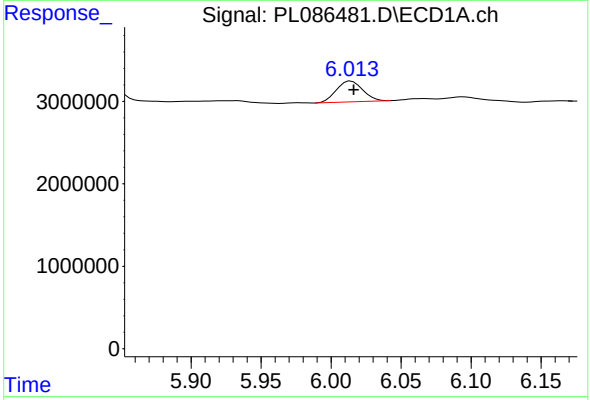
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/07/2023
Supervised By :Ankita Jodhani 11/07/2023



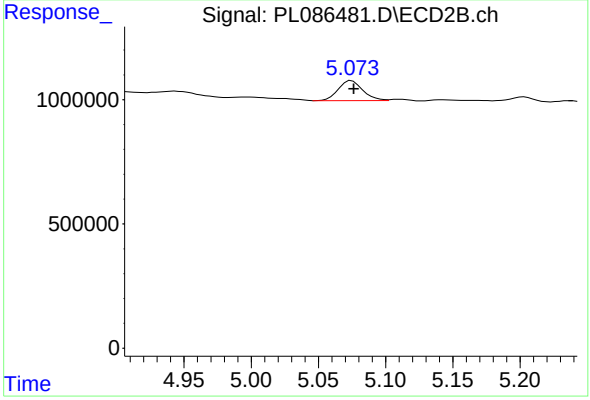
#11 alpha-Chlordane

R.T.: 4.874 min
Delta R.T.: -0.004 min
Response: 1084847
Conc: 0.87 ng/ml m



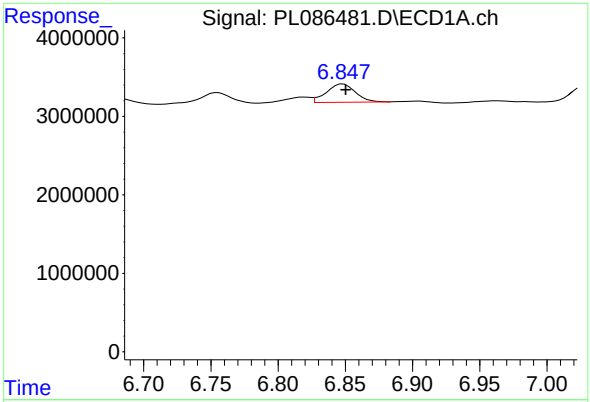
#12 4,4'-DDE

R.T.: 6.014 min
Delta R.T.: -0.002 min
Response: 3312607
Conc: 1.04 ng/ml



#12 4,4'-DDE

R.T.: 5.073 min
Delta R.T.: -0.003 min
Response: 1028898
Conc: 1.04 ng/ml m



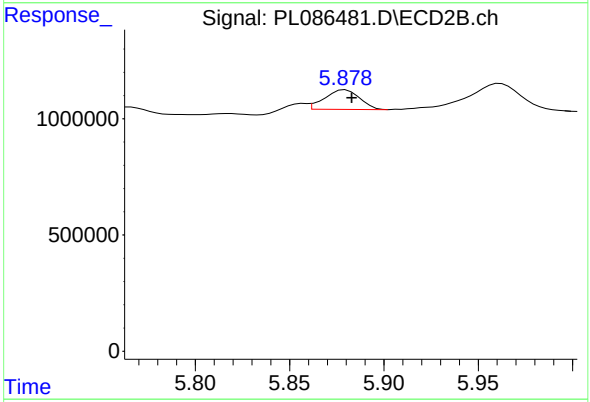
#17 4,4'-DDT

R.T.: 6.848 min
Delta R.T.: -0.002 min
Response: 3497845
Conc: 1.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
WASTE

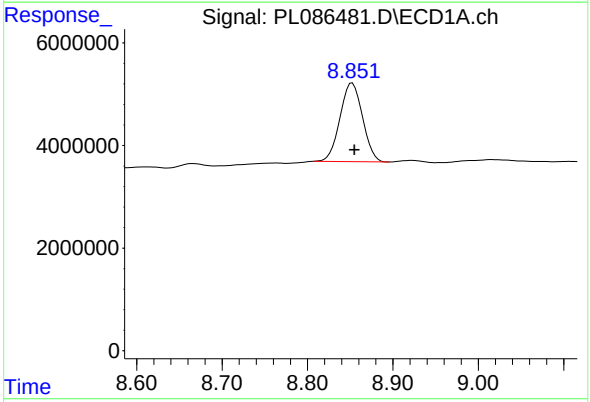
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/07/2023
Supervised By :Ankita Jodhani 11/07/2023



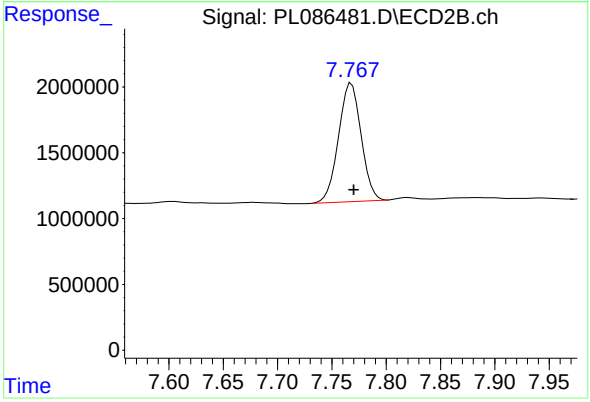
#17 4,4'-DDT

R.T.: 5.878 min
Delta R.T.: -0.005 min
Response: 1073394
Conc: 1.14 ng/ml m



#28 Decachlorobiphenyl

R.T.: 8.852 min
Delta R.T.: -0.003 min
Response: 28193581
Conc: 10.66 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.768 min
Delta R.T.: -0.002 min
Response: 13043532
Conc: 11.37 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110623\
Data File : PL086479.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2023 17:11
Operator : AR\AJ
Sample : PB156920BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB156920BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 20:37:09 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL110123.M
Quant Title : GC Extractables
QLast Update : Thu Nov 02 05:32:51 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.357	2.619	50139744	16120053	15.799	16.933
28)	SA Decachlor...	8.858	7.770	47132989	20385632	17.821	17.772
	Target Compounds						

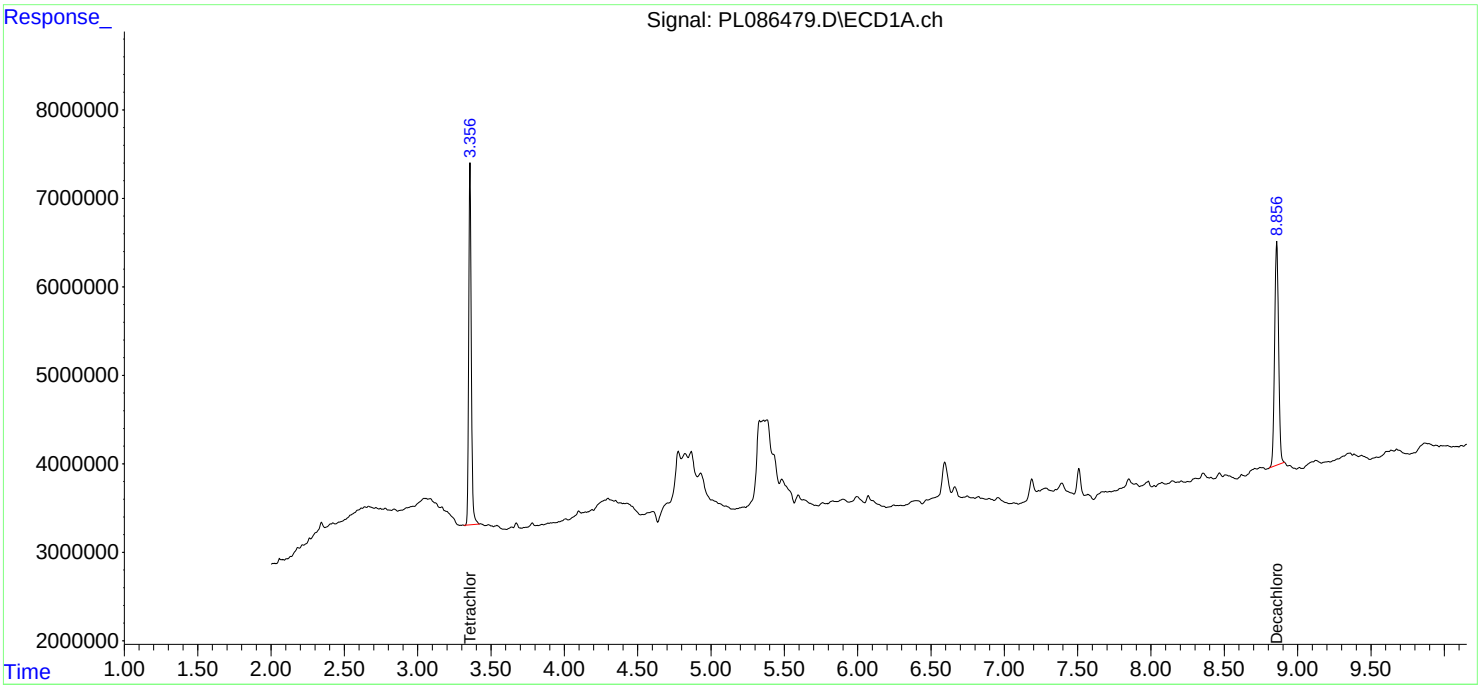
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

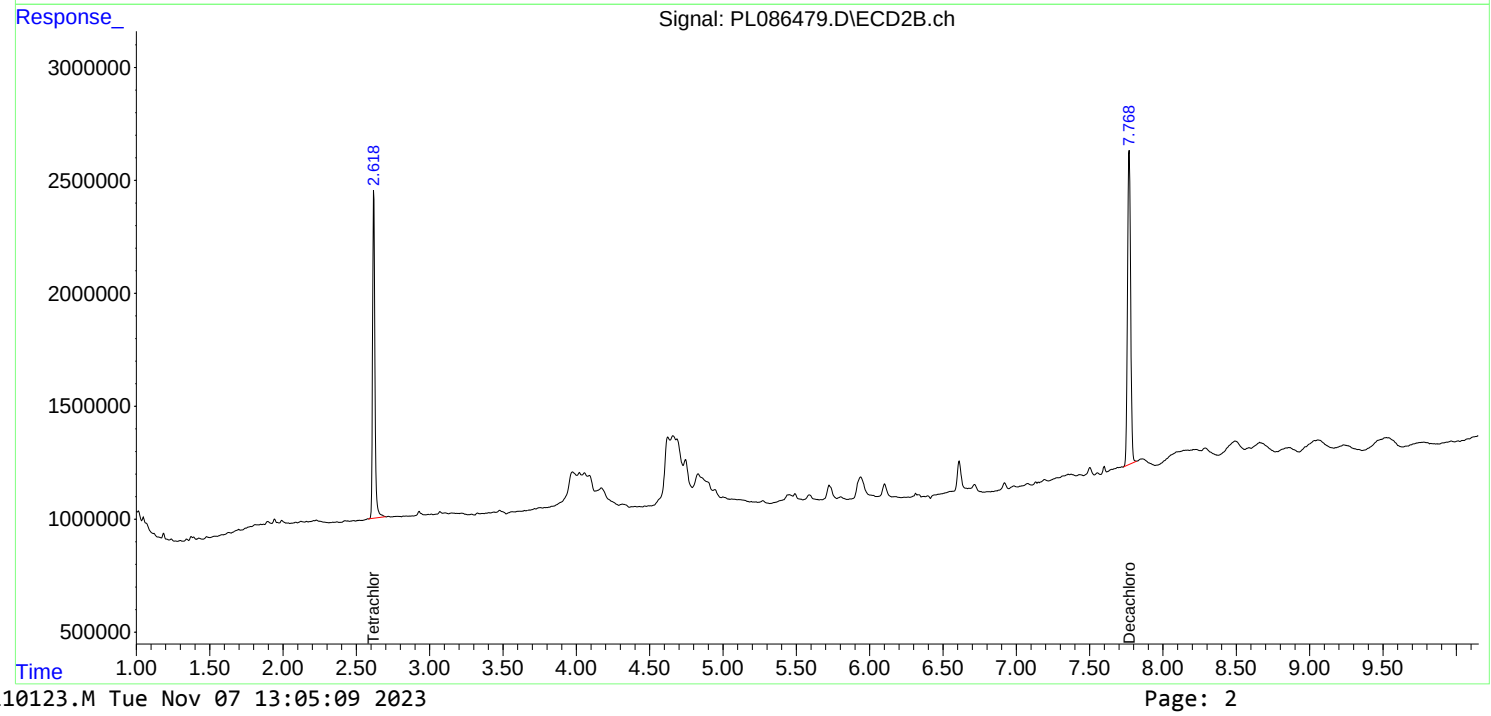
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110623\
Data File : PL086479.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2023 17:11
Operator : AR\AJ
Sample : PB156920BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

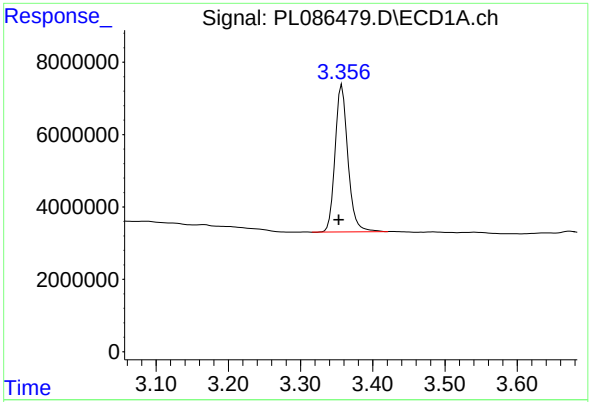
Instrument :
ECD_L
ClientSampleId :
PB156920BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 20:37:09 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL110123.M
Quant Title : GC Extractables
QLast Update : Thu Nov 02 05:32:51 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm



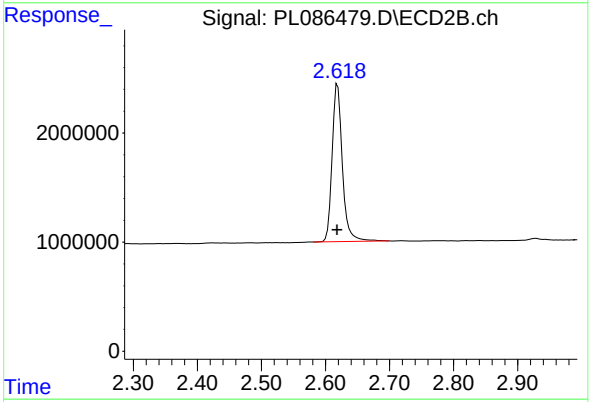




#1 Tetrachloro-m-xylene

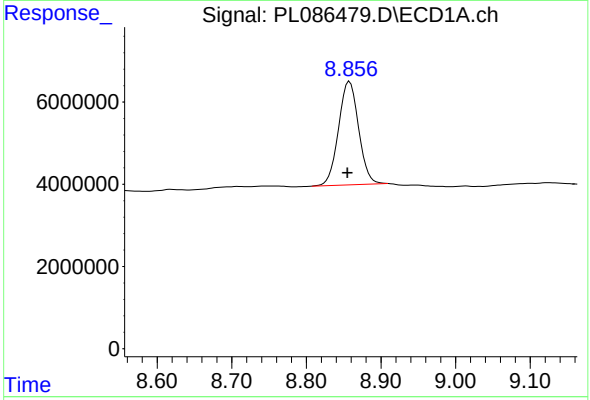
R.T.: 3.357 min
Delta R.T.: 0.004 min
Response: 50139744
Conc: 15.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB156920BL



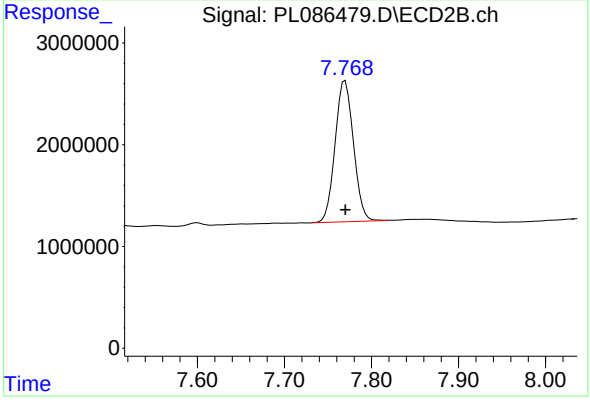
#1 Tetrachloro-m-xylene

R.T.: 2.619 min
Delta R.T.: 0.000 min
Response: 16120053
Conc: 16.93 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.858 min
Delta R.T.: 0.003 min
Response: 47132989
Conc: 17.82 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.770 min
Delta R.T.: 0.000 min
Response: 20385632
Conc: 17.77 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110623\
Data File : PL086480.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2023 17:24
Operator : AR\AJ
Sample : PB156920BS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB156920BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 20:38:31 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL110123.M
Quant Title : GC Extractables
QLast Update : Thu Nov 02 05:32:51 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.353	2.619	54581795	17225986	17.199	18.095
28) SA	Decachlor...	8.853	7.768	50226853	21847883	18.991	19.047
	Target Compounds						
2) A	alpha-BHC	3.807	3.117	215.7E6	64392245	45.700	49.618
3) MA	gamma-BHC...	4.138	3.444	208.1E6	64539483	45.675	49.133
4) MA	Heptachlor	4.725	3.780	204.0E6	64532887	46.794	49.745
5) MB	Aldrin	5.065	4.056	202.5E6	63815317	45.715	50.077
6) B	beta-BHC	4.342	3.746	86101173	28019697	43.654	48.821
7) B	delta-BHC	4.584	3.971	198.7E6	63081607	45.545	49.905
8) B	Heptachlo...	5.495	4.561	176.4E6	59389114	45.600	49.676
9) A	Endosulfan I	5.879	4.928	166.0E6	55709705	45.148	46.940
10) B	gamma-Chl...	5.752	4.812	180.4E6	59203272	45.460	50.029
11) B	alpha-Chl...	5.832	4.876	179.0E6	60379414	44.976	48.334
12) B	4,4'-DDE	6.015	5.075	156.1E6	53052940	49.186	53.760
13) MA	Dieldrin	6.155	5.194	173.9E6	59265565	45.242	49.629
14) MA	Endrin	6.384	5.468	146.1E6	53085323	43.752	48.175
15) B	Endosulfa...	6.607	5.765	151.2E6	53227090	46.956	49.380
16) A	4,4'-DDD	6.534	5.632	124.2E6	44574532	52.345	54.728
17) MA	4,4'-DDT	6.849	5.882	130.9E6	48968524	50.160	51.943
18) B	Endrin al...	6.738	5.947	122.4E6	46093380	50.269	54.658
19) B	Endosulfa...	6.974	6.171	141.3E6	52489739	45.743	49.787
20) A	Methoxychlor	7.336	6.466	67851508	29137565	48.919	49.864
21) B	Endrin ke...	7.457	6.673	148.2E6	62709595	46.435	50.281
22)	Mirex	7.929	6.849	136.7E6	60351234	50.108	52.752

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

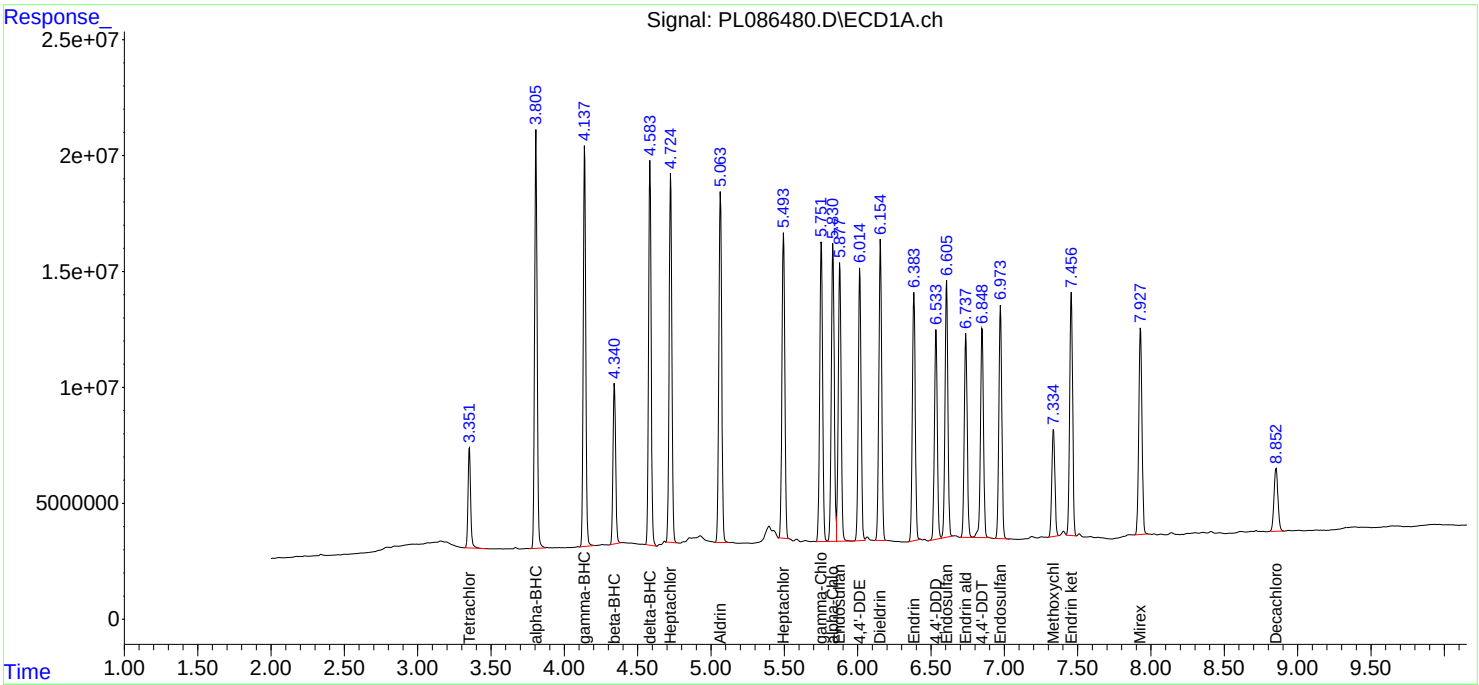
Sample Results: **PL086480.D**

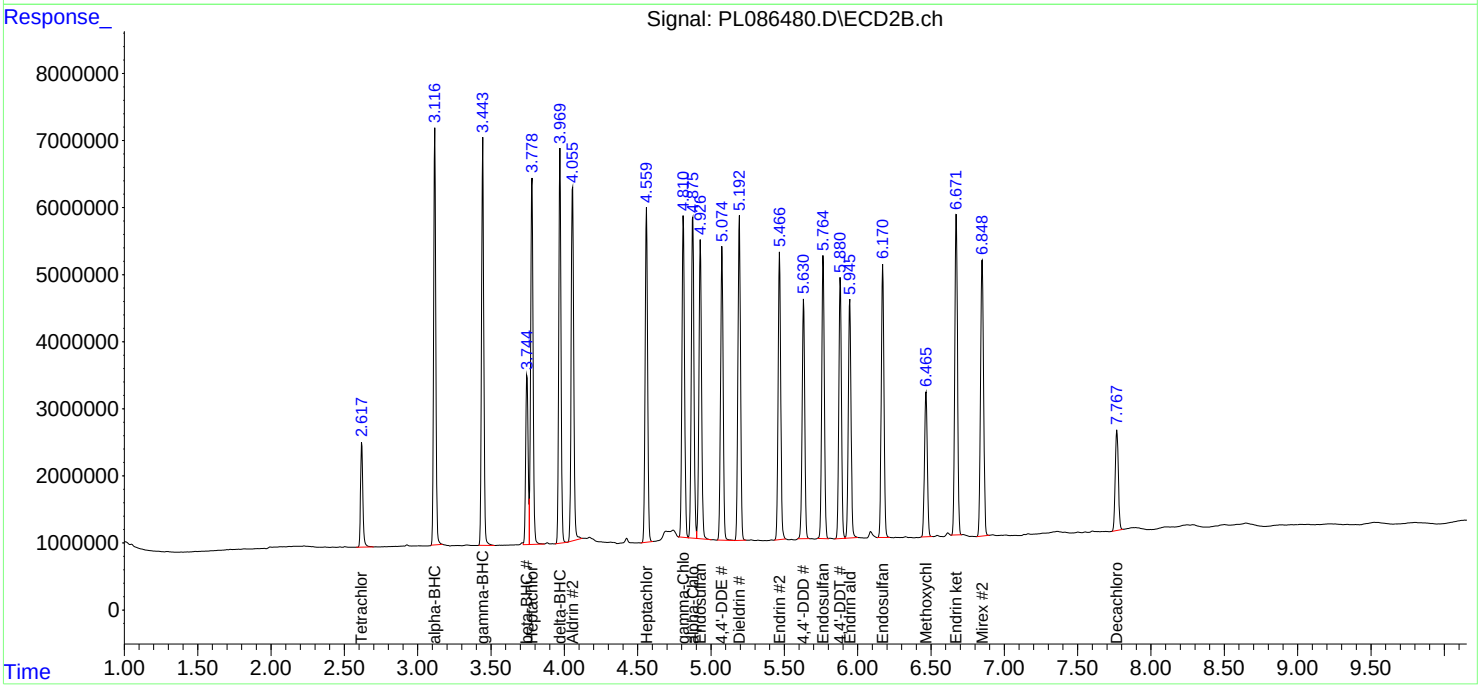
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110623\
Data File : PL086480.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2023 17:24
Operator : AR\AJ
Sample : PB156920BS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB156920BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 20:38:31 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL110123.M
Quant Title : GC Extractables
QLast Update : Thu Nov 02 05:32:51 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110623\
Data File : PL086489.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2023 19:57
Operator : AR\AJ
Sample : 05256-01MS
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
WC-1MS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/07/2023
Supervised By :Ankita Jodhani 11/07/2023

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 20:47:53 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL110123.M
Quant Title : GC Extractables
QLast Update : Thu Nov 02 05:32:51 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.353	2.619	50069536	17217110	15.777	18.085
28)	SA Decachlor...	8.853	7.768	42952667	20396205	16.240	17.782
	Target Compounds						
2)	A alpha-BHC	3.807	3.117	215.5E6	63106563	45.659	48.628
3)	MA gamma-BHC...	4.139	3.444	217.6E6	65084155	47.746	49.548
4)	MA Heptachlor	4.725	3.780	204.3E6	63803322	46.872	49.182
5)	MB Aldrin	5.065	4.056	203.7E6	67354179	45.993	52.854
6)	B beta-BHC	4.342	3.746	96854636	27600252	49.106	48.090
7)	B delta-BHC	4.585	3.971	202.4E6	61012527	46.386	48.268
8)	B Heptachlo...	5.495	4.561	169.1E6	56802476	43.730	47.512
9)	A Endosulfan I	5.878	4.928	157.3E6	47537249	42.797m	40.054m
10)	B gamma-Chl...	5.752	4.812	192.5E6	57252378	48.508	48.380
11)	B alpha-Chl...	5.831	4.876	184.6E6	57863348	46.379	46.320
12)	B 4,4'-DDE	6.015	5.075	147.1E6	52237815	46.359	52.934
13)	MA Dieldrin	6.155	5.193	174.4E6	66066686	45.358	55.324m
14)	MA Endrin	6.384	5.468	140.7E6	52766782	42.148	47.886
15)	B Endosulfa...	6.607	5.766	141.5E6	52799560	43.937	48.984
16)	A 4,4'-DDD	6.535	5.631	124.2E6	43130737	52.385	52.955
17)	MA 4,4'-DDT	6.849	5.882	129.8E6	48044477	49.758	50.962
18)	B Endrin al...	6.738	5.947	112.9E6	43619293	46.370	51.725
19)	B Endosulfa...	6.974	6.172	133.5E6	50479187	43.240	47.880
20)	A Methoxychlor	7.335	6.467	73954004	33645552	53.319	57.579
21)	B Endrin ke...	7.456	6.672	146.5E6	57316711	45.898	45.957m
22)	Mirex	7.929	6.850	129.6E6	54222893	47.503	47.395

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

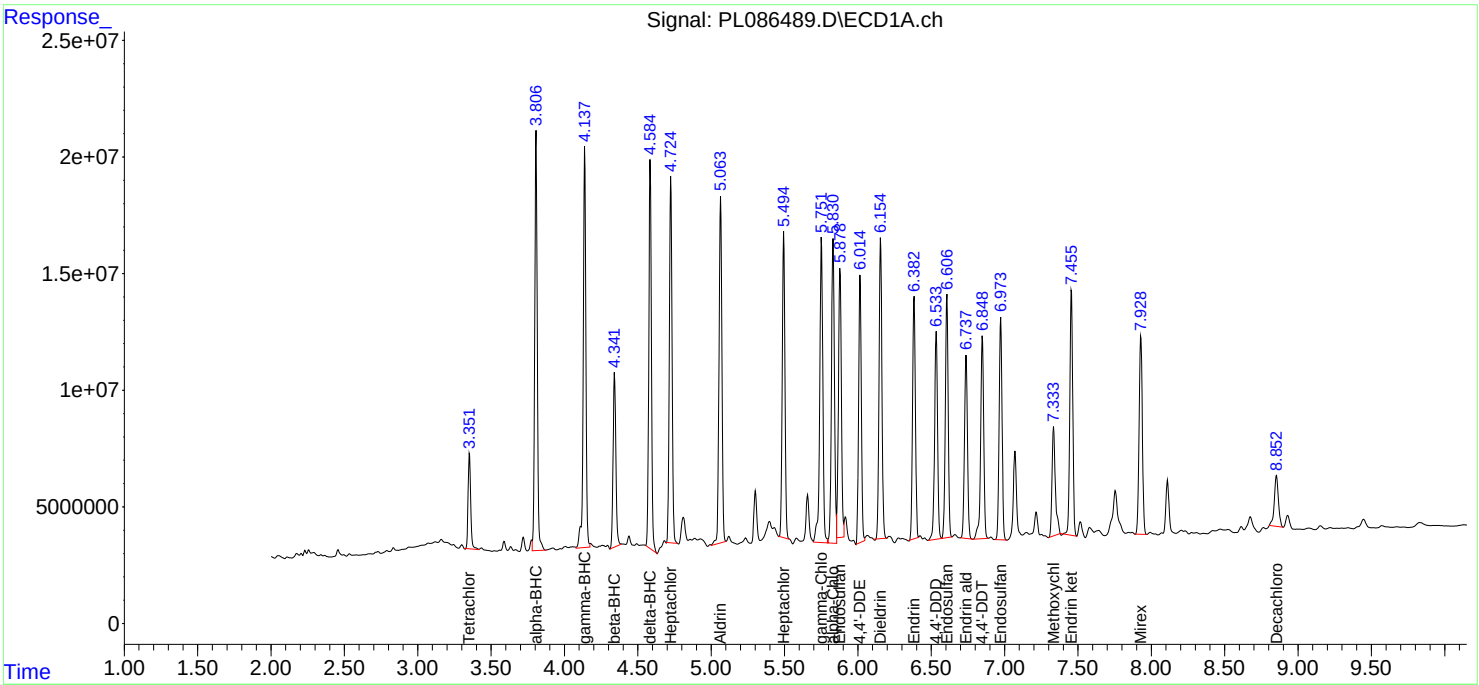
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110623\
Data File : PL086489.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2023 19:57
Operator : AR\AJ
Sample : 05256-01MS
Misc :
ALS Vial : 27 Sample Multiplier: 1

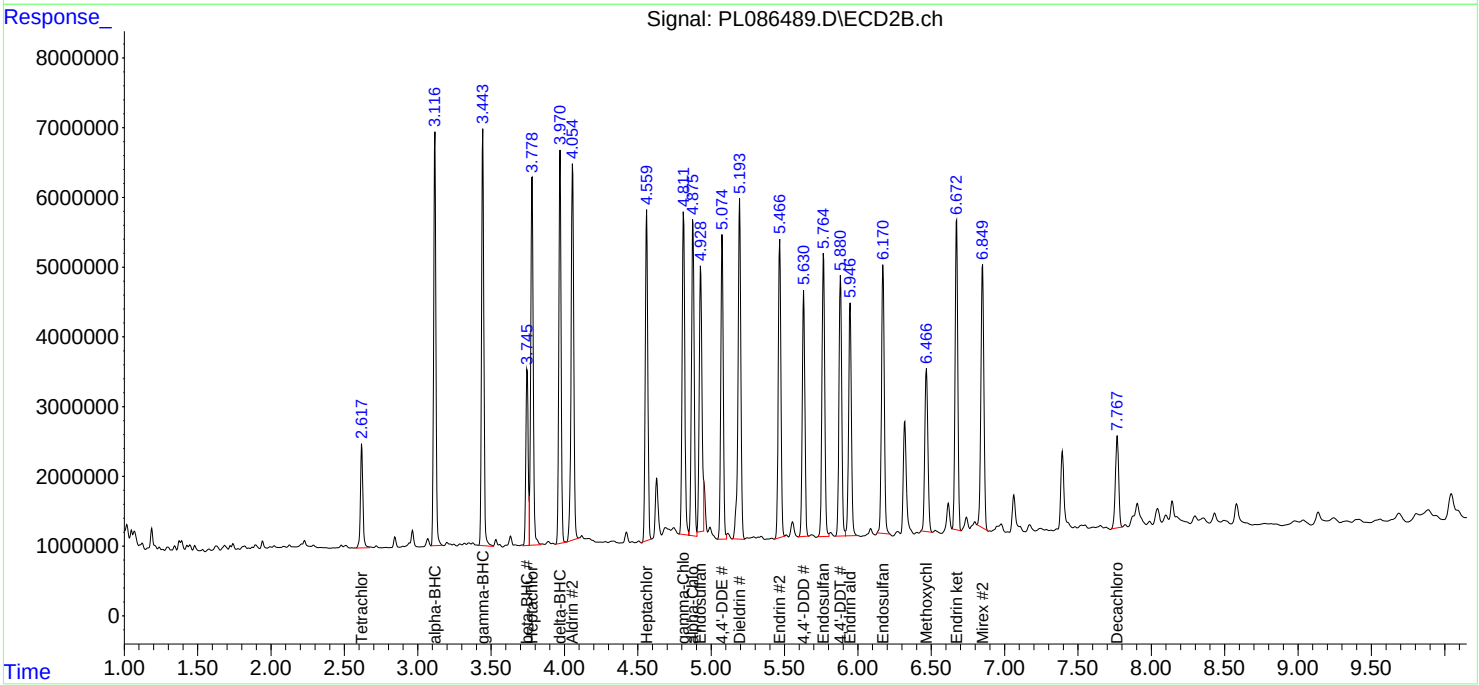
Instrument :
ECD_L
ClientSampleId :
WC-1MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 11/07/2023
Supervised By :Ankita Jodhani 11/07/2023

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 20:47:53 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL110123.M
Quant Title : GC Extractables
QLast Update : Thu Nov 02 05:32:51 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110623\
Data File : PL086490.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2023 20:11
Operator : AR\AJ
Sample : 05256-01MSD
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
WC-1MSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 11/07/2023
Supervised By :Ankita Jodhani 11/07/2023

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 04:32:37 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL110123.M
Quant Title : GC Extractables
QLast Update : Thu Nov 02 05:32:51 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.352	2.619	52073448	17293465	16.409	18.166
28)	SA Decachlor...	8.854	7.768	42062358	20361162	15.904	17.751
	Target Compounds						
2)	A alpha-BHC	3.806	3.117	223.9E6	63694270	47.425	49.081
3)	MA gamma-BHC...	4.138	3.444	221.6E6	65486926	48.634	49.854
4)	MA Heptachlor	4.725	3.780	201.5E6	64387921	46.232	49.633
5)	MB Aldrin	5.065	4.056	204.8E6	67812663	46.247	53.214
6)	B beta-BHC	4.341	3.746	88924803	27861093	45.085	48.545
7)	B delta-BHC	4.585	3.971	199.9E6	61620659	45.816	48.749
8)	B Heptachlo...	5.495	4.560	170.1E6	57199151	43.976	47.844
9)	A Endosulfan I	5.877	4.927	160.8E6	48285291	43.737m	40.685m
10)	B gamma-Chl...	5.752	4.812	190.9E6	57506379	48.110	48.595
11)	B alpha-Chl...	5.832	4.876	185.7E6	58184052	46.660	46.577
12)	B 4,4'-DDE	6.016	5.075	145.8E6	52586149	45.949	53.287
13)	MA Dieldrin	6.156	5.193	170.5E6	66439442	44.343	55.636m#
14)	MA Endrin	6.385	5.468	141.8E6	53019273	42.479	48.115
15)	B Endosulfa...	6.608	5.766	141.2E6	53294328	43.829	49.443
16)	A 4,4'-DDD	6.535	5.631	124.2E6	43490831	52.362	53.397
17)	MA 4,4'-DDT	6.850	5.882	131.3E6	48373010	50.317	51.311
18)	B Endrin al...	6.738	5.947	113.8E6	44021251	46.734	52.201
19)	B Endosulfa...	6.975	6.171	134.0E6	50743439	43.405	48.131
20)	A Methoxychlor	7.336	6.468	75098475	33890034	54.144	57.998
21)	B Endrin ke...	7.457	6.673	146.1E6	57002969	45.772	45.705
22)	Mirex	7.929	6.850	133.6E6	54570079	48.969	47.699

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

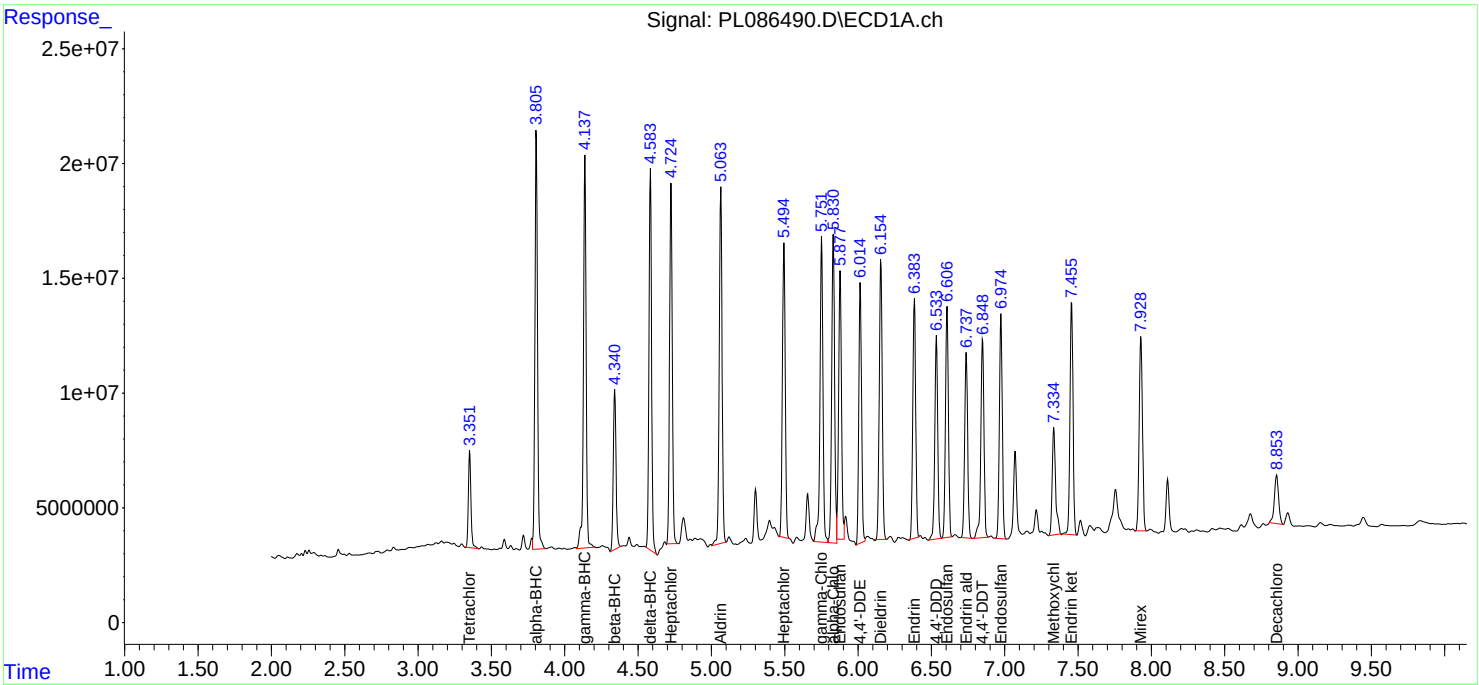
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110623\
Data File : PL086490.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2023 20:11
Operator : AR\AJ
Sample : 05256-01MSD
Misc :
ALS Vial : 28 Sample Multiplier: 1

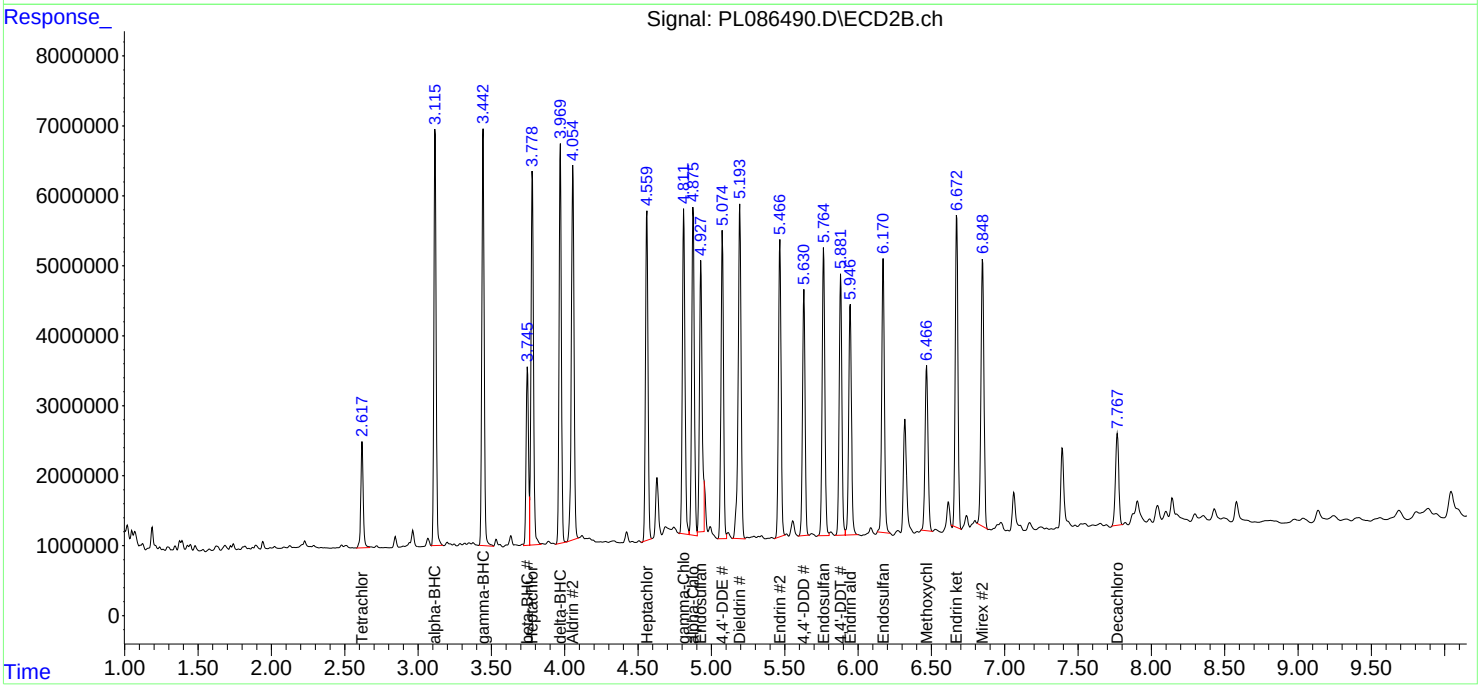
Instrument :
ECD_L
ClientSampleId :
WC-1MSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 11/07/2023
Supervised By :Ankita Jodhani 11/07/2023

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 04:32:37 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL110123.M
Quant Title : GC Extractables
QLast Update : Thu Nov 02 05:32:51 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm





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

Manual Integration Report

Sequence:	pl110123	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL086341.D	Methoxychlor	Abdul	11/2/2023 10:43:07 AM	mohammad	11/2/2023 5:01:53	Peak Integrated by Software
PSTDICC005	PL086347.D	delta-BHC	Abdul	11/2/2023 10:42:26 AM	mohammad	11/2/2023 5:01:56	Peak Integrated by Software
PSTDICC005	PL086347.D	Endosulfan I #2	Abdul	11/2/2023 10:42:26 AM	mohammad	11/2/2023 5:01:56	Peak Integrated by Software
PSTDICC005	PL086347.D	Heptachlor epoxide	Abdul	11/2/2023 10:42:26 AM	mohammad	11/2/2023 5:01:56	Peak Integrated by Software
PEM	PL086362.D	4,4"-DDE #2	Abdul	11/2/2023 10:42:29 AM	mohammad	11/2/2023 5:02:00	Peak Integrated by Software
PEM	PL086362.D	Endrin ketone	Abdul	11/2/2023 10:42:29 AM	mohammad	11/2/2023 5:02:00	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PL110623	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL086461.D	4,4"-DDD	Abdul	11/7/2023 11:48:59 AM	Ankita	11/7/2023 12:11:30	Peak Integrated by Software
PEM	PL086461.D	4,4"-DDD #2	Abdul	11/7/2023 11:48:59 AM	Ankita	11/7/2023 12:11:30	Peak Integrated by Software
PEM	PL086461.D	4,4"-DDE	Abdul	11/7/2023 11:48:59 AM	Ankita	11/7/2023 12:11:30	Peak Integrated by Software
PEM	PL086461.D	4,4"-DDE #2	Abdul	11/7/2023 11:48:59 AM	Ankita	11/7/2023 12:11:30	Peak Integrated by Software
PEM	PL086461.D	beta-BHC #2	Abdul	11/7/2023 11:48:59 AM	Ankita	11/7/2023 12:11:30	Peak Integrated by Software
PEM	PL086461.D	Endrin ketone	Abdul	11/7/2023 11:48:59 AM	Ankita	11/7/2023 12:11:30	Peak Integrated by Software
PSTDCCC050	PL086462.D	4,4"-DDD	Abdul	11/7/2023 11:49:04 AM	Ankita	11/7/2023 12:11:35	Peak Integrated by Software
O5252-01	PL086481.D	4,4"-DDE #2	Abdul	11/7/2023 11:49:35 AM	Ankita	11/7/2023 12:11:54	Peak Integrated by Software
O5252-01	PL086481.D	4,4"-DDT #2	Abdul	11/7/2023 11:49:35 AM	Ankita	11/7/2023 12:11:54	Peak Integrated by Software
O5252-01	PL086481.D	alpha-Chlordane	Abdul	11/7/2023 11:49:35 AM	Ankita	11/7/2023 12:11:54	Peak Integrated by Software
O5252-01	PL086481.D	alpha-Chlordane #2	Abdul	11/7/2023 11:49:35 AM	Ankita	11/7/2023 12:11:54	Peak Integrated by Software
O5252-01	PL086481.D	gamma-Chlordane #2	Abdul	11/7/2023 11:49:35 AM	Ankita	11/7/2023 12:11:54	Peak Integrated by Software
O5256-01MS	PL086489.D	Dieldrin #2	Abdul	11/7/2023 11:49:49 AM	Ankita	11/7/2023 12:12:03	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL110623	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
O5256-01MS	PL086489.D	Endosulfan I	Abdul	11/7/2023 11:49:49 AM	Ankita	11/7/2023 12:12:03	Peak Integrated by Software
O5256-01MS	PL086489.D	Endosulfan I #2	Abdul	11/7/2023 11:49:49 AM	Ankita	11/7/2023 12:12:03	Peak Integrated by Software
O5256-01MS	PL086489.D	Endrin ketone #2	Abdul	11/7/2023 11:49:49 AM	Ankita	11/7/2023 12:12:03	Peak Integrated by Software
O5256-01MSD	PL086490.D	Dieldrin #2	Abdul	11/7/2023 11:49:53 AM	Ankita	11/7/2023 12:12:05	Peak Integrated by Software
O5256-01MSD	PL086490.D	Endosulfan I	Abdul	11/7/2023 11:49:53 AM	Ankita	11/7/2023 12:12:05	Peak Integrated by Software
O5256-01MSD	PL086490.D	Endosulfan I #2	Abdul	11/7/2023 11:49:53 AM	Ankita	11/7/2023 12:12:05	Peak Integrated by Software
PEM	PL086494.D	4,4"-DDE #2	Abdul	11/7/2023 11:50:04 AM	Ankita	11/7/2023 12:12:13	Peak Integrated by Software
PEM	PL086494.D	beta-BHC #2	Abdul	11/7/2023 11:50:04 AM	Ankita	11/7/2023 12:12:13	Peak Integrated by Software
PEM	PL086494.D	Endrin ketone #2	Abdul	11/7/2023 11:50:04 AM	Ankita	11/7/2023 12:12:13	Peak Integrated by Software
PEM	PL086494.D	gamma-BHC (Lindane) #2	Abdul	11/7/2023 11:50:04 AM	Ankita	11/7/2023 12:12:13	Peak Integrated by Software

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL110123

Review By	Abdul	Review On	11/2/2023 10:43:47 AM		
Supervise By	mohammad	Supervise On	11/2/2023 5:02:31 PM		
SubDirectory	PL110123	HP Acquire Method		HP Processing Method	pl110123 8081

STD. NAME	STD REF.#
Tune/Reschk	PP22265,PP22520
Initial Calibration Stds	PP22276,PP22278,PP22279,PP22283,PP22284,PP22285,PP22286,PP22287,PP22288,PP22289,PP22290,PP22292,PP22293,PP22294,PP22295,PP22296,PP22297,PP22299
CCC	PP22279,PP22288,PP22295
Internal Standard/PEM	
ICV/I.BLK	PP22285,PP22292,PP22299
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL086339.D	01 Nov 2023 07:54	AR\AJ	Ok
2	I.BLK	PL086340.D	01 Nov 2023 08:08	AR\AJ	Ok
3	PEM	PL086341.D	01 Nov 2023 08:22	AR\AJ	Ok,M
4	RESCHK	PL086342.D	01 Nov 2023 08:36	AR\AJ	Ok
5	PSTDICC100	PL086343.D	01 Nov 2023 08:49	AR\AJ	Ok
6	PSTDICC075	PL086344.D	01 Nov 2023 09:03	AR\AJ	Ok
7	PSTDICC050	PL086345.D	01 Nov 2023 09:17	AR\AJ	Ok
8	PSTDICC025	PL086346.D	01 Nov 2023 09:31	AR\AJ	Ok
9	PSTDICC005	PL086347.D	01 Nov 2023 09:45	AR\AJ	Ok,M
10	PCHLORICC1000	PL086348.D	01 Nov 2023 09:58	AR\AJ	Ok
11	PCHLORICC750	PL086349.D	01 Nov 2023 10:12	AR\AJ	Ok
12	PCHLORICC500	PL086350.D	01 Nov 2023 10:26	AR\AJ	Ok
13	PCHLORICC250	PL086351.D	01 Nov 2023 10:40	AR\AJ	Ok
14	PCHLORICC050	PL086352.D	01 Nov 2023 10:54	AR\AJ	Ok
15	PTOXICC1000	PL086353.D	01 Nov 2023 11:07	AR\AJ	Ok
16	PTOXICC750	PL086354.D	01 Nov 2023 11:21	AR\AJ	Ok
17	PTOXICC500	PL086355.D	01 Nov 2023 11:35	AR\AJ	Ok
18	PTOXICC250	PL086356.D	01 Nov 2023 11:49	AR\AJ	Ok
19	PTOXICC100	PL086357.D	01 Nov 2023 12:03	AR\AJ	Ok
20	PSTDICV050	PL086358.D	01 Nov 2023 12:16	AR\AJ	Ok
21	PCHLORICV500	PL086359.D	01 Nov 2023 12:30	AR\AJ	Ok
22	PTOXICV500	PL086360.D	01 Nov 2023 12:44	AR\AJ	Ok
23	I.BLK	PL086361.D	01 Nov 2023 12:58	AR\AJ	Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL110123

Review By	Abdul	Review On	11/2/2023 10:43:47 AM		
Supervise By	mohammad	Supervise On	11/2/2023 5:02:31 PM		
SubDirectory	PL110123	HP Acquire Method		HP Processing Method	pl110123 8081

STD. NAME	STD REF.#
Tune/Reschk	PP22265,PP22520
Initial Calibration Stds	PP22276,PP22278,PP22279,PP22283,PP22284,PP22285,PP22286,PP22287,PP22288,PP22289,PP22290,PP22292,PP22293,PP22294,PP22295,PP22296,PP22297,PP22299
CCC	PP22279,PP22288,PP22295
Internal Standard/PEM	
ICV/I.BLK	PP22285,PP22292,PP22299
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

24	PEM	PL086362.D	01 Nov 2023 13:12	AR\AJ	Ok,M
25	PSTDCCC050	PL086363.D	01 Nov 2023 13:25	AR\AJ	Ok
26	PB156793BL	PL086364.D	01 Nov 2023 14:36	AR\AJ	Ok
27	O5164-01	PL086365.D	01 Nov 2023 14:50	AR\AJ	Dilution
28	O5164-01DL	PL086366.D	01 Nov 2023 15:04	AR\AJ	Ok,M
29	PB156732BL	PL086367.D	01 Nov 2023 15:17	AR\AJ	Ok
30	O5040-03	PL086368.D	01 Nov 2023 15:31	AR\AJ	ReRun
31	O5040-03RE	PL086369.D	01 Nov 2023 15:45	AR\AJ	Confirms
32	O5164-01MS	PL086370.D	01 Nov 2023 15:59	AR\AJ	Ok,M
33	O5164-01MSD	PL086371.D	01 Nov 2023 16:12	AR\AJ	Ok,M
34	I.BLK	PL086372.D	01 Nov 2023 16:26	AR\AJ	Ok
35	PSTDCCC050	PL086373.D	01 Nov 2023 16:40	AR\AJ	Ok
36	PB156823BL	PL086374.D	01 Nov 2023 16:54	AR\AJ	Ok
37	PB156823BS	PL086375.D	01 Nov 2023 17:08	AR\AJ	Ok
38	O5170-01	PL086376.D	01 Nov 2023 17:21	AR\AJ	Ok
39	O5171-01	PL086377.D	01 Nov 2023 17:35	AR\AJ	Ok
40	O5172-01	PL086378.D	01 Nov 2023 17:49	AR\AJ	Ok,M
41	O5197-01	PL086379.D	01 Nov 2023 18:03	AR\AJ	Ok,M
42	O5197-01MS	PL086380.D	01 Nov 2023 18:17	AR\AJ	Ok
43	O5197-01MSD	PL086381.D	01 Nov 2023 18:30	AR\AJ	Ok
44	I.BLK	PL086382.D	01 Nov 2023 18:44	AR\AJ	Ok
45	PSTDCCC050	PL086383.D	01 Nov 2023 18:58	AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL110623

Review By	Abdul	Review On	11/7/2023 11:54:07 AM		
Supervise By	Ankita	Supervise On	11/7/2023 12:12:36 PM		
SubDirectory	PL110623	HP Acquire Method		HP Processing Method	pl110123 8081

STD. NAME	STD REF.#
Tune/Reschk	PP22265,PP22520
Initial Calibration Stds	PP22276,PP22278,PP22279,PP22283,PP22284,PP22285,PP22286,PP22287,PP22288,PP22289,PP22290,PP22292,PP22293,PP22294,PP22295,PP22296,PP22297,PP22299
CCC	PP22279,PP22288,PP22295
Internal Standard/PEM	
ICV/I.BLK	PP22285,PP22292,PP22299
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL086459.D	06 Nov 2023 09:30	AR\AJ	Ok
2	I.BLK	PL086460.D	06 Nov 2023 09:43	AR\AJ	Ok
3	PEM	PL086461.D	06 Nov 2023 09:57	AR\AJ	Ok,M
4	PSTDCCC050	PL086462.D	06 Nov 2023 10:30	AR\AJ	Ok,M
5	O5228-01	PL086463.D	06 Nov 2023 11:32	AR\AJ	Ok
6	PB156873BL	PL086464.D	06 Nov 2023 11:46	AR\AJ	Ok
7	PB156873BS	PL086465.D	06 Nov 2023 12:00	AR\AJ	Ok
8	O5214-02	PL086466.D	06 Nov 2023 12:20	AR\AJ	Dilution
9	O5214-02DL	PL086467.D	06 Nov 2023 12:34	AR\AJ	Ok,M
10	O5047-20	PL086468.D	06 Nov 2023 12:52	AR\AJ	Dilution
11	O5047-20DL	PL086469.D	06 Nov 2023 14:34	AR\AJ	Dilution
12	O5047-20DL2	PL086470.D	06 Nov 2023 14:54	AR\AJ	Ok,M
13	O5229-01	PL086471.D	06 Nov 2023 15:18	AR\AJ	Ok
14	O5234-01	PL086472.D	06 Nov 2023 15:32	AR\AJ	Ok
15	I.BLK	PL086473.D	06 Nov 2023 15:45	AR\AJ	Ok
16	PSTDCCC050	PL086474.D	06 Nov 2023 15:59	AR\AJ	Ok
17	O5234-03	PL086475.D	06 Nov 2023 16:13	AR\AJ	Ok
18	O5234-03MS	PL086476.D	06 Nov 2023 16:27	AR\AJ	Ok,M
19	O5234-03MSD	PL086477.D	06 Nov 2023 16:41	AR\AJ	Ok,M
20	O5237-01	PL086478.D	06 Nov 2023 16:54	AR\AJ	Ok
21	PB156920BL	PL086479.D	06 Nov 2023 17:11	AR\AJ	Ok
22	PB156920BS	PL086480.D	06 Nov 2023 17:24	AR\AJ	Ok
23	O5252-01	PL086481.D	06 Nov 2023 17:38	AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL110623

Review By	Abdul	Review On	11/7/2023 11:54:07 AM		
Supervise By	Ankita	Supervise On	11/7/2023 12:12:36 PM		
SubDirectory	PL110623	HP Acquire Method		HP Processing Method	pl110123 8081

STD. NAME	STD REF.#
Tune/Reschk	PP22265,PP22520
Initial Calibration Stds	PP22276,PP22278,PP22279,PP22283,PP22284,PP22285,PP22286,PP22287,PP22288,PP22289,PP22290,PP22292,PP22293,PP22294,PP22295,PP22296,PP22297,PP22299
CCC	PP22279,PP22288,PP22295
Internal Standard/PEM	
ICV/I.BLK	PP22285,PP22292,PP22299
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

24	O5253-01	PL086482.D	06 Nov 2023 17:52	AR\AJ	Ok,M
25	O5253-02	PL086483.D	06 Nov 2023 18:06	AR\AJ	Ok,M
26	I.BLK	PL086484.D	06 Nov 2023 18:35	AR\AJ	Ok
27	PSTDCCC050	PL086485.D	06 Nov 2023 18:49	AR\AJ	Ok
28	O5253-03	PL086486.D	06 Nov 2023 19:16	AR\AJ	Ok
29	O5253-04	PL086487.D	06 Nov 2023 19:30	AR\AJ	Ok
30	O5256-01	PL086488.D	06 Nov 2023 19:44	AR\AJ	Ok,M
31	O5256-01MS	PL086489.D	06 Nov 2023 19:57	AR\AJ	Ok,M
32	O5256-01MSD	PL086490.D	06 Nov 2023 20:11	AR\AJ	Ok,M
33	O5256-05	PL086491.D	06 Nov 2023 20:25	AR\AJ	Ok,M
34	O5256-09	PL086492.D	06 Nov 2023 20:39	AR\AJ	Ok,M
35	I.BLK	PL086493.D	06 Nov 2023 20:53	AR\AJ	Ok
36	PEM	PL086494.D	06 Nov 2023 21:06	AR\AJ	Ok,M
37	PSTDCCC050	PL086495.D	06 Nov 2023 21:20	AR\AJ	Ok
38	O5257-01	PL086496.D	06 Nov 2023 21:48	AR\AJ	Ok,M
39	O5257-05	PL086497.D	06 Nov 2023 22:01	AR\AJ	Ok,M
40	O5257-09	PL086498.D	06 Nov 2023 22:15	AR\AJ	Ok
41	PB156896BL	PL086499.D	06 Nov 2023 22:29	AR\AJ	Ok
42	PB156896BS	PL086500.D	06 Nov 2023 22:43	AR\AJ	Ok
43	PB156896BSD	PL086501.D	06 Nov 2023 22:57	AR\AJ	Ok
44	O5095-01	PL086502.D	06 Nov 2023 23:10	AR\AJ	Ok,M
45	I.BLK	PL086503.D	06 Nov 2023 23:24	AR\AJ	Ok
46	PSTDCCC050	PL086504.D	06 Nov 2023 23:38	AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL110123

Review By	Abdul	Review On	11/2/2023 10:43:47 AM		
Supervise By	mohammad	Supervise On	11/2/2023 5:02:31 PM		
SubDirectory	PL110123	HP Acquire Method		HP Processing Method	pl110123 8081

STD. NAME	STD REF.#
Tune/Reschk	PP22265,PP22520
Initial Calibration Stds	PP22276,PP22278,PP22279,PP22283,PP22284,PP22285,PP22286,PP22287,PP22288,PP22289,PP22290,PP22292,PP22293,PP22294,PP22295,PP22296,PP22297,PP22299
CCC	PP22279,PP22288,PP22295
Internal Standard/PEM	
ICV/I.BLK	PP22285,PP22292,PP22299
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL086339.D	01 Nov 2023 07:54		AR\AJ	Ok
2	I.BLK	I.BLK	PL086340.D	01 Nov 2023 08:08		AR\AJ	Ok
3	PEM	PEM	PL086341.D	01 Nov 2023 08:22		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL086342.D	01 Nov 2023 08:36		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PL086343.D	01 Nov 2023 08:49		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL086344.D	01 Nov 2023 09:03		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PL086345.D	01 Nov 2023 09:17		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL086346.D	01 Nov 2023 09:31		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PL086347.D	01 Nov 2023 09:45		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL086348.D	01 Nov 2023 09:58		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL086349.D	01 Nov 2023 10:12		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL086350.D	01 Nov 2023 10:26		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL086351.D	01 Nov 2023 10:40		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL086352.D	01 Nov 2023 10:54		AR\AJ	Ok
15	PTOXICC1000	PTOXICC1000	PL086353.D	01 Nov 2023 11:07		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL086354.D	01 Nov 2023 11:21		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL086355.D	01 Nov 2023 11:35		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL086356.D	01 Nov 2023 11:49		AR\AJ	Ok
19	PTOXICC100	PTOXICC100	PL086357.D	01 Nov 2023 12:03		AR\AJ	Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL110123

Review By	Abdul	Review On	11/2/2023 10:43:47 AM		
Supervise By	mohammad	Supervise On	11/2/2023 5:02:31 PM		
SubDirectory	PL110123	HP Acquire Method		HP Processing Method	pl110123 8081

STD. NAME	STD REF.#
Tune/Reschk	PP22265,PP22520
Initial Calibration Stds	PP22276,PP22278,PP22279,PP22283,PP22284,PP22285,PP22286,PP22287,PP22288,PP22289,PP22290,PP22292,PP22293,PP22294,PP22295,PP22296,PP22297,PP22299
CCC	PP22279,PP22288,PP22295
Internal Standard/PEM	
ICV/I.BLK	PP22285,PP22292,PP22299
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

20	PSTDICV050	ICVPL110123	PL086358.D	01 Nov 2023 12:16		AR\AJ	Ok
21	PCHLORICV500	ICVPL110123	PL086359.D	01 Nov 2023 12:30		AR\AJ	Ok
22	PTOXICV500	ICVPL110123	PL086360.D	01 Nov 2023 12:44		AR\AJ	Ok
23	I.BLK	I.BLK	PL086361.D	01 Nov 2023 12:58		AR\AJ	Ok
24	PEM	PEM	PL086362.D	01 Nov 2023 13:12		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PL086363.D	01 Nov 2023 13:25		AR\AJ	Ok
26	PB156793BL	PB156793BL	PL086364.D	01 Nov 2023 14:36		AR\AJ	Ok
27	O5164-01	ETGI-352	PL086365.D	01 Nov 2023 14:50	Need 5x	AR\AJ	Dilution
28	O5164-01DL	ETGI-352DL	PL086366.D	01 Nov 2023 15:04		AR\AJ	Ok,M
29	PB156732BL	PB156732BL	PL086367.D	01 Nov 2023 15:17		AR\AJ	Ok
30	O5040-03	EB-2	PL086368.D	01 Nov 2023 15:31	DCB low in both column	AR\AJ	ReRun
31	O5040-03RE	EB-2RE	PL086369.D	01 Nov 2023 15:45	DCB low in both column	AR\AJ	Confirms
32	O5164-01MS	ETGI-352MS	PL086370.D	01 Nov 2023 15:59	Comp 5,9,10,15 having high reecovery	AR\AJ	Ok,M
33	O5164-01MSD	ETGI-352MSD	PL086371.D	01 Nov 2023 16:12	Comp 5,9,10,15 having high reecovery	AR\AJ	Ok,M
34	I.BLK	I.BLK	PL086372.D	01 Nov 2023 16:26		AR\AJ	Ok
35	PSTDCCC050	PSTDCCC050	PL086373.D	01 Nov 2023 16:40		AR\AJ	Ok
36	PB156823BL	PB156823BL	PL086374.D	01 Nov 2023 16:54		AR\AJ	Ok
37	PB156823BS	PB156823BS	PL086375.D	01 Nov 2023 17:08		AR\AJ	Ok
38	O5170-01	OK-02-103123	PL086376.D	01 Nov 2023 17:21		AR\AJ	Ok
39	O5171-01	TR-05-103123	PL086377.D	01 Nov 2023 17:35	Typo O5171-01	AR\AJ	Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL110123

Review By	Abdul	Review On	11/2/2023 10:43:47 AM		
Supervise By	mohammad	Supervise On	11/2/2023 5:02:31 PM		
SubDirectory	PL110123	HP Acquire Method		HP Processing Method	pl110123 8081

STD. NAME	STD REF.#
Tune/Reschk	PP22265,PP22520
Initial Calibration Stds	PP22276,PP22278,PP22279,PP22283,PP22284,PP22285,PP22286,PP22287,PP22288,PP22289,PP22290,PP22292,PP22293,PP22294,PP22295,PP22296,PP22297,PP22299
CCC	PP22279,PP22288,PP22295
Internal Standard/PEM	
ICV/I.BLK	PP22285,PP22292,PP22299
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

40	O5172-01	AU-05-103123	PL086378.D	01 Nov 2023 17:49		AR\AJ	Ok,M
41	O5197-01	SCF	PL086379.D	01 Nov 2023 18:03		AR\AJ	Ok,M
42	O5197-01MS	SCFMS	PL086380.D	01 Nov 2023 18:17		AR\AJ	Ok
43	O5197-01MSD	SCFMSD	PL086381.D	01 Nov 2023 18:30		AR\AJ	Ok
44	I.BLK	I.BLK	PL086382.D	01 Nov 2023 18:44		AR\AJ	Ok
45	PSTDCCC050	PSTDCCC050	PL086383.D	01 Nov 2023 18:58		AR\AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL110623

Review By	Abdul	Review On	11/7/2023 11:54:07 AM		
Supervise By	Ankita	Supervise On	11/7/2023 12:12:36 PM		
SubDirectory	PL110623	HP Acquire Method		HP Processing Method	pl110123 8081

STD. NAME	STD REF.#
Tune/Reschk	PP22265,PP22520
Initial Calibration Stds	PP22276,PP22278,PP22279,PP22283,PP22284,PP22285,PP22286,PP22287,PP22288,PP22289,PP22290,PP22292,PP22293,PP22294,PP22295,PP22296,PP22297,PP22299
CCC	PP22279,PP22288,PP22295
Internal Standard/PEM	
ICV/I.BLK	PP22285,PP22292,PP22299
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL086459.D	06 Nov 2023 09:30		AR\AJ	Ok
2	I.BLK	I.BLK	PL086460.D	06 Nov 2023 09:43		AR\AJ	Ok
3	PEM	PEM	PL086461.D	06 Nov 2023 09:57		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL086462.D	06 Nov 2023 10:30		AR\AJ	Ok,M
5	O5228-01	CHRT-26882	PL086463.D	06 Nov 2023 11:32		AR\AJ	Ok
6	PB156873BL	PB156873BL	PL086464.D	06 Nov 2023 11:46		AR\AJ	Ok
7	PB156873BS	PB156873BS	PL086465.D	06 Nov 2023 12:00		AR\AJ	Ok
8	O5214-02	VNJ-211	PL086466.D	06 Nov 2023 12:20	TCMX high in 2nd column & Need 100X	AR\AJ	Dilution
9	O5214-02DL	VNJ-211DL	PL086467.D	06 Nov 2023 12:34		AR\AJ	Ok,M
10	O5047-20	PT-PEST-SOIL	PL086468.D	06 Nov 2023 12:52	TCMX high in 1st column, need dilution	AR\AJ	Dilution
11	O5047-20DL	PT-PEST-SOILDL	PL086469.D	06 Nov 2023 14:34	need 12x	AR\AJ	Dilution
12	O5047-20DL2	PT-PEST-SOILDL2	PL086470.D	06 Nov 2023 14:54	pls compare dl comp # 6,7,9,10,15	AR\AJ	Ok,M
13	O5229-01	HR-1-110223	PL086471.D	06 Nov 2023 15:18		AR\AJ	Ok
14	O5234-01	SP-A	PL086472.D	06 Nov 2023 15:32		AR\AJ	Ok
15	I.BLK	I.BLK	PL086473.D	06 Nov 2023 15:45		AR\AJ	Ok
16	PSTDCCC050	PSTDCCC050	PL086474.D	06 Nov 2023 15:59		AR\AJ	Ok
17	O5234-03	SP-B	PL086475.D	06 Nov 2023 16:13		AR\AJ	Ok
18	O5234-03MS	SP-BMS	PL086476.D	06 Nov 2023 16:27		AR\AJ	Ok,M

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

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL110623

Review By	Abdul	Review On	11/7/2023 11:54:07 AM		
Supervise By	Ankita	Supervise On	11/7/2023 12:12:36 PM		
SubDirectory	PL110623	HP Acquire Method		HP Processing Method	pl110123 8081

STD. NAME	STD REF.#
Tune/Reschk	PP22265,PP22520
Initial Calibration Stds	PP22276,PP22278,PP22279,PP22283,PP22284,PP22285,PP22286,PP22287,PP22288,PP22289,PP22290,PP22292,PP22293,PP22294,PP22295,PP22296,PP22297,PP22299
CCC	PP22279,PP22288,PP22295
Internal Standard/PEM	
ICV/I.BLK	PP22285,PP22292,PP22299
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	O5234-03MSD	SP-BMSD	PL086477.D	06 Nov 2023 16:41		AR\AJ	Ok,M
20	O5237-01	11TH-ST-1	PL086478.D	06 Nov 2023 16:54		AR\AJ	Ok
21	PB156920BL	PB156920BL	PL086479.D	06 Nov 2023 17:11		AR\AJ	Ok
22	PB156920BS	PB156920BS	PL086480.D	06 Nov 2023 17:24		AR\AJ	Ok
23	O5252-01	WASTE	PL086481.D	06 Nov 2023 17:38		AR\AJ	Ok,M
24	O5253-01	L-1(65FT)(5-10)	PL086482.D	06 Nov 2023 17:52		AR\AJ	Ok,M
25	O5253-02	L-6(0-5)	PL086483.D	06 Nov 2023 18:06		AR\AJ	Ok,M
26	I.BLK	I.BLK	PL086484.D	06 Nov 2023 18:35		AR\AJ	Ok
27	PSTDCCC050	PSTDCCC050	PL086485.D	06 Nov 2023 18:49		AR\AJ	Ok
28	O5253-03	L-3(120FT)(0-5)	PL086486.D	06 Nov 2023 19:16		AR\AJ	Ok
29	O5253-04	L-3(195FT)(0-5)	PL086487.D	06 Nov 2023 19:30		AR\AJ	Ok
30	O5256-01	WC-1	PL086488.D	06 Nov 2023 19:44		AR\AJ	Ok,M
31	O5256-01MS	WC-1MS	PL086489.D	06 Nov 2023 19:57		AR\AJ	Ok,M
32	O5256-01MSD	WC-1MSD	PL086490.D	06 Nov 2023 20:11		AR\AJ	Ok,M
33	O5256-05	WC-11	PL086491.D	06 Nov 2023 20:25		AR\AJ	Ok,M
34	O5256-09	WC-10	PL086492.D	06 Nov 2023 20:39		AR\AJ	Ok,M
35	I.BLK	I.BLK	PL086493.D	06 Nov 2023 20:53		AR\AJ	Ok
36	PEM	PEM	PL086494.D	06 Nov 2023 21:06		AR\AJ	Ok,M
37	PSTDCCC050	PSTDCCC050	PL086495.D	06 Nov 2023 21:20		AR\AJ	Ok
38	O5257-01	WC-6	PL086496.D	06 Nov 2023 21:48		AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL110623

Review By	Abdul	Review On	11/7/2023 11:54:07 AM		
Supervise By	Ankita	Supervise On	11/7/2023 12:12:36 PM		
SubDirectory	PL110623	HP Acquire Method		HP Processing Method	pl110123 8081

STD. NAME	STD REF.#
Tune/Reschk	PP22265,PP22520
Initial Calibration Stds	PP22276,PP22278,PP22279,PP22283,PP22284,PP22285,PP22286,PP22287,PP22288,PP22289,PP22290,PP22292,PP22293,PP22294,PP22295,PP22296,PP22297,PP22299
CCC	PP22279,PP22288,PP22295
Internal Standard/PEM	
ICV/I.BLK	PP22285,PP22292,PP22299
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

39	O5257-05	WC-2	PL086497.D	06 Nov 2023 22:01		AR\AJ	Ok,M
40	O5257-09	WC-3	PL086498.D	06 Nov 2023 22:15		AR\AJ	Ok
41	PB156896BL	PB156896BL	PL086499.D	06 Nov 2023 22:29		AR\AJ	Ok
42	PB156896BS	PB156896BS	PL086500.D	06 Nov 2023 22:43		AR\AJ	Ok
43	PB156896BSD	PB156896BSD	PL086501.D	06 Nov 2023 22:57		AR\AJ	Ok
44	O5095-01	F07367	PL086502.D	06 Nov 2023 23:10	clean up performed	AR\AJ	Ok,M
45	I.BLK	I.BLK	PL086503.D	06 Nov 2023 23:24		AR\AJ	Ok
46	PSTDCCC050	PSTDCCC050	PL086504.D	06 Nov 2023 23:38		AR\AJ	Ok

M : Manual Integration

CHEMTECH

EXTRACTION LOGPAGE

PB156920

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	Florisil			**Extraction Start Date :**	11/06/2023
Matrix :	Solid			**Extraction Start Time :**	09:10
Weigh By:	RJ	**Extraction By:**	RJ	**Extraction End Date :**	11/06/2023
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	12:50
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	RS
pH Strip Lot#:	N/A	**Hood ID:**	N/A	**Supervisor By :**	rajesh

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	PP22482
Surrogate	1.0ML	200 PPB	PP22594
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	EP2393
Baked Na2SO4	N/A	EP2405
Sand	N/A	E2865
Hexane	N/A	E3591
Florisil	N/A	E3531
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
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:

40 ML Vial lot# 03-40 BTS721. O5252,5253 Added in batch at 09:50.

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

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/6/23	RP (Ext. Lab)	AJ 1107 Lab Tech
12:55	**Preparation Group**	**Analysis Group**

CHEMTECH

EXTRACTION LOGPAGE

PrepBatch ID : PB156920

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 11/06/2023

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB156920BL	PBLK920	Pesticide-TCL	30.03	N/A	ritesh	RUPESH	10			U1-1
PB156920BS	PLCS920	Pesticide-TCL	30.00	N/A	ritesh	RUPESH	10			2
O5252-01	WASTE	Pesticide-TCL	30.07	N/A	ritesh	RUPESH	10	B		3
O5253-01	L-1(65FT)(5-10)	Pesticide-TCL	30.10	N/A	ritesh	RUPESH	10	E		4
O5253-02	L-6(0-5)	Pesticide-TCL	30.01	N/A	ritesh	RUPESH	10	E		5
O5253-03	L-3(120FT)(0-5)	Pesticide-TCL	30.03	N/A	ritesh	RUPESH	10	E		6
O5253-04	L-3(195FT)(0-5)	Pesticide-TCL	30.05	N/A	ritesh	RUPESH	10	E		U3-1
O5256-01	WC-1	Pesticide-TCL	30.09	N/A	ritesh	RUPESH	10	B		2
O5256-01MS	WC-1MS	Pesticide-TCL	30.03	N/A	ritesh	RUPESH	10	B		3
O5256-01MSD	WC-1MSD	Pesticide-TCL	30.05	N/A	ritesh	RUPESH	10	B		4
O5256-05	WC-11	Pesticide-TCL	30.01	N/A	ritesh	RUPESH	10	B		5
O5256-09	WC-10	Pesticide-TCL	30.03	N/A	ritesh	RUPESH	10	B		6
O5257-01	WC-6	Pesticide-TCL	30.08	N/A	ritesh	RUPESH	10	B		U5-1
O5257-05	WC-2	Pesticide-TCL	30.05	N/A	ritesh	RUPESH	10	B		2
O5257-09	WC-3	Pesticide-TCL	30.10	N/A	ritesh	RUPESH	10	B		3

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

11/6/23

per

WORKLIST(Hardcopy Internal Chain)

WorkList Name : O5253 **WorkList ID :** 175313 **Department :** Extraction **Date :** 11-06-2023 09:50:44

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O5252-01	WASTE	Solid	PCB	Cool 4 deg C	RMJE02	I31	11/03/2023	8082A
O5252-01	WASTE	Solid	Pesticide-TCL	Cool 4 deg C	RMJE02	I31	11/03/2023	8081B
O5253-01	L-1(65FT)(5-10)	Solid	PCB	Cool 4 deg C	GEIC06	L21	11/02/2023	8082A
O5253-01	L-1(65FT)(5-10)	Solid	Pesticide-TCL	Cool 4 deg C	GEIC06	L21	11/02/2023	8081B
O5253-02	L-6(0-5)	Solid	PCB	Cool 4 deg C	GEIC06	L21	11/03/2023	8082A
O5253-02	L-6(0-5)	Solid	Pesticide-TCL	Cool 4 deg C	GEIC06	L21	11/03/2023	8081B
O5253-03	L-3(120FT)(0-5)	Solid	PCB	Cool 4 deg C	GEIC06	L21	11/03/2023	8082A
O5253-03	L-3(120FT)(0-5)	Solid	Pesticide-TCL	Cool 4 deg C	GEIC06	L21	11/03/2023	8081B
O5253-04	L-3(195FT)(0-5)	Solid	PCB	Cool 4 deg C	GEIC06	L21	11/03/2023	8082A
O5253-04	L-3(195FT)(0-5)	Solid	Pesticide-TCL	Cool 4 deg C	GEIC06	L21	11/03/2023	8081B

Date/Time 11/6/23 9:20

Raw Sample Received by: RJ (Set Lab)

Raw Sample Relinquished by: GM

Date/Time 11/6/23 10:05

Raw Sample Received by: GM

Raw Sample Relinquished by: RJ (Set-Lab)

1,5692O
9:10

WORKLIST(Hardcopy Internal Chain)

WorkList Name : O5257 **WorkList ID :** 175303 **Department :** Extraction **Date :** 11-06-2023 08:42:41

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O5256-01	WC-1	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L31	11/03/2023	8081B
O5256-05	WC-11	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L31	11/03/2023	8081B
O5256-09	WC-10	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L31	11/03/2023	8081B
O5257-01	WC-6	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L31	11/03/2023	8081B
O5257-05	WC-2	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L31	11/03/2023	8081B
O5257-09	WC-3	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L31	11/03/2023	8081B

Date/Time 11/6/23 9:05
Raw Sample Received by: RJ Eberlay
Raw Sample Relinquished by: SM

Date/Time 11/6/23 9:30
Raw Sample Received by: SM
Raw Sample Relinquished by: RJ Eberlay

CHEMTECH

284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	O5252	**OrderDate:**	11/3/2023 2:14:16 PM
Client:	RMJ Environomics, Inc.	**Project:**	245 Greenwood Ave
Contact:	Jonathan Pereira	**Location:**	I31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
O5252-01	**WASTE**	**SOIL**			**11/03/23**			**11/03/23**
			PCB	8082A		11/06/23	11/06/23	
			Pesticide-TCL	8081B		11/06/23	11/06/23	
			EPH	NJEPH		11/07/23	11/08/23	

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: O5252 **Order ID:** O5252

Client: RMJ Environomics, Inc. **Project ID:** 245 Greenwood Ave

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :								

Total Concentration: 0.000

A B C D E F G H I J K L

CHEMTECH

A
B
C
D
E
F
G
H
I
J
K
L

SAMPLE DATA

Raw Data: **PP061447.D**

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

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WASTE	SDG No.:	O5252
Lab Sample ID:	O5252-01	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	90.6 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP061447.D	1	11/06/23 09:10	11/06/23 14:00	PB156919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	0.0039	U	0.0039	0.019	mg/Kg
11104-28-2	Aroclor-1221	0.0065	U	0.0065	0.019	mg/Kg
11141-16-5	Aroclor-1232	0.0050	U	0.0050	0.019	mg/Kg
53469-21-9	Aroclor-1242	0.0034	U	0.0034	0.019	mg/Kg
12672-29-6	Aroclor-1248	0.0031	U	0.0031	0.019	mg/Kg
11097-69-1	Aroclor-1254	0.0041	U	0.0041	0.019	mg/Kg
37324-23-5	Aroclor-1262	0.0030	U	0.0030	0.019	mg/Kg
11100-14-4	Aroclor-1268	0.0036	U	0.0036	0.019	mg/Kg
11096-82-5	Aroclor-1260	0.0037	U	0.0037	0.019	mg/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.3		30 (40) - 150 (162)	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.7		30 (32) - 150 (175)	88%	SPK: 20

Comments:

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

CHEMTECH

A
B
C
D
E
F
G
H
I
J
K
L

QC SUMMARY

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

Surrogate Summary

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PO098875.D	PIBLK-PO098875.D	Tetrachloro-m-xylene	1	20	17.4	87		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	18.1	91		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	17.0	85		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	18.7	94		70 (60)	130 (140)
I.BLK-PO099452.D	PIBLK-PO099452.D	Tetrachloro-m-xylene	1	20	19.2	96		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	23.8	119		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	18.9	94		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	21.0	105		70 (60)	130 (140)
O5255-02MS	P001-WC01-01MS	Tetrachloro-m-xylene	1	20	9.06	45		30 (40)	150 (162)
		Decachlorobiphenyl	1	20	30.7	154	*	30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	12.5	63		30 (40)	150 (162)
		Decachlorobiphenyl	2	20	22.1	110		30 (32)	150 (175)
O5255-03MSD	P001-WC01-01MSD	Tetrachloro-m-xylene	1	20	8.04	40		30 (40)	150 (162)
		Decachlorobiphenyl	1	20	28.9	145		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	12.8	64		30 (40)	150 (162)
		Decachlorobiphenyl	2	20	22.1	110		30 (32)	150 (175)
I.BLK-PO099464.D	PIBLK-PO099464.D	Tetrachloro-m-xylene	1	20	18.0	90		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	21.2	106		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	18.6	93		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	18.8	94		70 (60)	130 (140)
I.BLK-PP061281.D	PIBLK-PP061281.D	Tetrachloro-m-xylene	1	20	23.1	116		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	24.4	122		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	24.6	123		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	24.4	122		70 (60)	130 (140)
I.BLK-PP061444.D	PIBLK-PP061444.D	Tetrachloro-m-xylene	1	20	26.7	133	*	70 (60)	130 (140)
		Decachlorobiphenyl	1	20	23.9	120		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	27.7	139	*	70 (60)	130 (140)
		Decachlorobiphenyl	2	20	22.6	113		70 (60)	130 (140)
PB156919BL	PB156919BL	Tetrachloro-m-xylene	1	20	21.9	110		30 (40)	150 (162)
		Decachlorobiphenyl	1	20	20.3	101		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	23.3	116		30 (40)	150 (162)
		Decachlorobiphenyl	2	20	19.6	98		30 (32)	150 (175)
PB156919BS	PB156919BS	Tetrachloro-m-xylene	1	20	23.2	116		30 (40)	150 (162)
		Decachlorobiphenyl	1	20	21.2	106		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	23.1	116		30 (40)	150 (162)
		Decachlorobiphenyl	2	20	20.4	102		30 (32)	150 (175)
O5252-01	WASTE	Tetrachloro-m-xylene	1	20	19.1	95		30 (40)	150 (162)
		Decachlorobiphenyl	1	20	17.7	88		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	20.3	101		30 (40)	150 (162)
		Decachlorobiphenyl	2	20	16.5	82		30 (32)	150 (175)
I.BLK-PP061459.D	PIBLK-PP061459.D	Tetrachloro-m-xylene	1	20	18.2	91		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	17.7	89		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	19.8	99		70 (60)	130 (140)

( ) = LABORATORY INHOUSE LIMIT

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

Surrogate Summary

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PP061459.D	PIBLK-PP061459.D	Decachlorobiphenyl	2	20	15.9	80		70 (60)	130 (140)

( ) = LABORATORY INHOUSE LIMIT

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: 8082A **DataFile :** PO099457.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**P001-WC01-01MS**											
O5255-02MS	AR1016	582.8	0	1300	ug/kg	223	*			40 (55)	140 (146)	
	AR1260	582.8	42000	4600	ug/kg	-6417	*			40 (33)	140 (175)	

( ) = LABORATORY INHOUSE LIMIT

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: 8082A **DataFile :** PO099458.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**P001-WC01-01MSD**											
O5255-03MSD	AR1016	581.6	0	1300	ug/kg	224	*	0		40 (55)	140 (146)	30 (20)
	AR1260	581.6	42000	4400	ug/kg	-6465	*	1		40 (33)	140 (175)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: 8082A **Datafile :** PP061446.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB156919BS	AR1016	166.6	176	ug/kg	106				40 (71)	140 (120)	
	AR1260	166.6	157	ug/kg	94				40 (65)	140 (130)	

( ) = LABORATORY INHOUSE LIMIT

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB156919BL

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: O5252 SAS No.: O5252 SDG NO.: O5252

Lab Sample ID: PB156919BL Lab File ID: PP061445.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 11/06/2023

Date Analyzed (1): 11/06/2023 Date Analyzed (2): 11/06/2023

Time Analyzed (1): 13:28 Time Analyzed (2): 13:28

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
P001-WC01-01MS	O5255-02MS	PO099457.D	11/07/2023	11/07/2023
P001-WC01-01MSD	O5255-03MSD	PO099458.D	11/07/2023	11/07/2023
PB156919BS	PB156919BS	PP061446.D	11/06/2023	11/06/2023
WASTE	O5252-01	PP061447.D	11/06/2023	11/06/2023

COMMENTS:

CHEMTECH

QC SAMPLE DATA

Raw Data: **PP061445.D**

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

Report of Analysis

Client:	RMJ Environomics, Inc.		Date Collected:		
Project:	245 Greenwood Ave		Date Received:		
Client Sample ID:	PB156919BL		SDG No.:	O5252	
Lab Sample ID:	PB156919BL		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.03 Units:	g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP061445.D	1	11/06/23 09:10	11/06/23 13:28	PB156919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	0.0036	U	0.0036	0.017	mg/Kg
11104-28-2	Aroclor-1221	0.0059	U	0.0059	0.017	mg/Kg
11141-16-5	Aroclor-1232	0.0045	U	0.0045	0.017	mg/Kg
53469-21-9	Aroclor-1242	0.0031	U	0.0031	0.017	mg/Kg
12672-29-6	Aroclor-1248	0.0028	U	0.0028	0.017	mg/Kg
11097-69-1	Aroclor-1254	0.0038	U	0.0038	0.017	mg/Kg
37324-23-5	Aroclor-1262	0.0027	U	0.0027	0.017	mg/Kg
11100-14-4	Aroclor-1268	0.0033	U	0.0033	0.017	mg/Kg
11096-82-5	Aroclor-1260	0.0033	U	0.0033	0.017	mg/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.3		30 (40) - 150 (162)	116%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.3		30 (32) - 150 (175)	101%	SPK: 20

Comments:

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:	RMJ Environomics, Inc.	Date Collected:	10/24/23
Project:	245 Greenwood Ave	Date Received:	10/24/23
Client Sample ID:	PIBLK-PO098875.D	SDG No.:	O5252
Lab Sample ID:	I.BLK-PO098875.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO098875.D	1		10/24/23	PO102423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.00015	U	0.00015	0.00050	mg/L
11104-28-2	Aroclor-1221	0.00022	U	0.00022	0.00050	mg/L
11141-16-5	Aroclor-1232	0.00018	U	0.00018	0.00050	mg/L
53469-21-9	Aroclor-1242	0.00018	U	0.00018	0.00050	mg/L
12672-29-6	Aroclor-1248	0.00015	U	0.00015	0.00050	mg/L
11097-69-1	Aroclor-1254	0.00015	U	0.00015	0.00050	mg/L
11096-82-5	Aroclor-1260	0.00016	U	0.00016	0.00050	mg/L
37324-23-5	Aroclor-1262	0.00016	U	0.00016	0.00050	mg/L
11100-14-4	Aroclor-1268	0.00013	U	0.00013	0.00050	mg/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.0		70 (60) - 130 (140)	85%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.1		70 (60) - 130 (140)	91%	SPK: 20

Comments:

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:	RMJ Environomics, Inc.	Date Collected:	11/07/23
Project:	245 Greenwood Ave	Date Received:	11/07/23
Client Sample ID:	PIBLK-PO099452.D	SDG No.:	O5252
Lab Sample ID:	I.BLK-PO099452.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO099452.D	1		11/07/23	PO110723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.00015	U	0.00015	0.00050	mg/L
11104-28-2	Aroclor-1221	0.00022	U	0.00022	0.00050	mg/L
11141-16-5	Aroclor-1232	0.00018	U	0.00018	0.00050	mg/L
53469-21-9	Aroclor-1242	0.00018	U	0.00018	0.00050	mg/L
12672-29-6	Aroclor-1248	0.00015	U	0.00015	0.00050	mg/L
11097-69-1	Aroclor-1254	0.00015	U	0.00015	0.00050	mg/L
11096-82-5	Aroclor-1260	0.00016	U	0.00016	0.00050	mg/L
37324-23-5	Aroclor-1262	0.00016	U	0.00016	0.00050	mg/L
11100-14-4	Aroclor-1268	0.00013	U	0.00013	0.00050	mg/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.9		70 (60) - 130 (140)	94%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.0		70 (60) - 130 (140)	105%	SPK: 20

Comments:

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:	RMJ Environomics, Inc.	Date Collected:	11/07/23
Project:	245 Greenwood Ave	Date Received:	11/07/23
Client Sample ID:	PIBLK-PO099464.D	SDG No.:	O5252
Lab Sample ID:	I.BLK-PO099464.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO099464.D	1		11/07/23	PO110723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.00015	U	0.00015	0.00050	mg/L
11104-28-2	Aroclor-1221	0.00022	U	0.00022	0.00050	mg/L
11141-16-5	Aroclor-1232	0.00018	U	0.00018	0.00050	mg/L
53469-21-9	Aroclor-1242	0.00018	U	0.00018	0.00050	mg/L
12672-29-6	Aroclor-1248	0.00015	U	0.00015	0.00050	mg/L
11097-69-1	Aroclor-1254	0.00015	U	0.00015	0.00050	mg/L
11096-82-5	Aroclor-1260	0.00016	U	0.00016	0.00050	mg/L
37324-23-5	Aroclor-1262	0.00016	U	0.00016	0.00050	mg/L
11100-14-4	Aroclor-1268	0.00013	U	0.00013	0.00050	mg/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.0		70 (60) - 130 (140)	90%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.8		70 (60) - 130 (140)	94%	SPK: 20

Comments:

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:	RMJ Environomics, Inc.	Date Collected:	10/27/23
Project:	245 Greenwood Ave	Date Received:	10/27/23
Client Sample ID:	PIBLK-PP061281.D	SDG No.:	O5252
Lab Sample ID:	I.BLK-PP061281.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP061281.D	1		10/27/23	PP102723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.00015	U	0.00015	0.00050	mg/L
11104-28-2	Aroclor-1221	0.00022	U	0.00022	0.00050	mg/L
11141-16-5	Aroclor-1232	0.00018	U	0.00018	0.00050	mg/L
53469-21-9	Aroclor-1242	0.00018	U	0.00018	0.00050	mg/L
12672-29-6	Aroclor-1248	0.00015	U	0.00015	0.00050	mg/L
11097-69-1	Aroclor-1254	0.00015	U	0.00015	0.00050	mg/L
11096-82-5	Aroclor-1260	0.00016	U	0.00016	0.00050	mg/L
37324-23-5	Aroclor-1262	0.00016	U	0.00016	0.00050	mg/L
11100-14-4	Aroclor-1268	0.00013	U	0.00013	0.00050	mg/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.1		70 (60) - 130 (140)	116%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.4		70 (60) - 130 (140)	122%	SPK: 20

Comments:

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:	RMJ Environomics, Inc.	Date Collected:	11/06/23
Project:	245 Greenwood Ave	Date Received:	11/06/23
Client Sample ID:	PIBLK-PP061444.D	SDG No.:	O5252
Lab Sample ID:	I.BLK-PP061444.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP061444.D	1		11/06/23	PP110623

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.00015	U	0.00015	0.00050	mg/L
11104-28-2	Aroclor-1221	0.00022	U	0.00022	0.00050	mg/L
11141-16-5	Aroclor-1232	0.00018	U	0.00018	0.00050	mg/L
53469-21-9	Aroclor-1242	0.00018	U	0.00018	0.00050	mg/L
12672-29-6	Aroclor-1248	0.00015	U	0.00015	0.00050	mg/L
11097-69-1	Aroclor-1254	0.00015	U	0.00015	0.00050	mg/L
11096-82-5	Aroclor-1260	0.00016	U	0.00016	0.00050	mg/L
37324-23-5	Aroclor-1262	0.00016	U	0.00016	0.00050	mg/L
11100-14-4	Aroclor-1268	0.00013	U	0.00013	0.00050	mg/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	26.7	*	70 (60) - 130 (140)	133%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.6		70 (60) - 130 (140)	113%	SPK: 20

Comments:

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

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

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/06/23
Project:	245 Greenwood Ave	Date Received:	11/06/23
Client Sample ID:	PIBLK-PP061459.D	SDG No.:	O5252
Lab Sample ID:	I.BLK-PP061459.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP061459.D	1		11/06/23	PP110623

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.00015	U	0.00015	0.00050	mg/L
11104-28-2	Aroclor-1221	0.00022	U	0.00022	0.00050	mg/L
11141-16-5	Aroclor-1232	0.00018	U	0.00018	0.00050	mg/L
53469-21-9	Aroclor-1242	0.00018	U	0.00018	0.00050	mg/L
12672-29-6	Aroclor-1248	0.00015	U	0.00015	0.00050	mg/L
11097-69-1	Aroclor-1254	0.00015	U	0.00015	0.00050	mg/L
11096-82-5	Aroclor-1260	0.00016	U	0.00016	0.00050	mg/L
37324-23-5	Aroclor-1262	0.00016	U	0.00016	0.00050	mg/L
11100-14-4	Aroclor-1268	0.00013	U	0.00013	0.00050	mg/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.2		70 (60) - 130 (140)	91%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.9		70 (60) - 130 (140)	80%	SPK: 20

Comments:

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: **PP061446.D**

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Report of Analysis

Client:	RMJ Environomics, Inc.		Date Collected:		
Project:	245 Greenwood Ave		Date Received:		
Client Sample ID:	PB156919BS		SDG No.:	O5252	
Lab Sample ID:	PB156919BS		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.01 Units:	g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP061446.D	1	11/06/23 09:10	11/06/23 13:44	PB156919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	0.18		0.0036	0.017	mg/Kg
11104-28-2	Aroclor-1221	0.0059	U	0.0059	0.017	mg/Kg
11141-16-5	Aroclor-1232	0.0045	U	0.0045	0.017	mg/Kg
53469-21-9	Aroclor-1242	0.0031	U	0.0031	0.017	mg/Kg
12672-29-6	Aroclor-1248	0.0028	U	0.0028	0.017	mg/Kg
11097-69-1	Aroclor-1254	0.0038	U	0.0038	0.017	mg/Kg
37324-23-5	Aroclor-1262	0.0027	U	0.0027	0.017	mg/Kg
11100-14-4	Aroclor-1268	0.0033	U	0.0033	0.017	mg/Kg
11096-82-5	Aroclor-1260	0.16		0.0033	0.017	mg/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.2		30 (40) - 150 (162)	116%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.2		30 (32) - 150 (175)	106%	SPK: 20

Comments:

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: **PO099457.D**

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

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	P001-WC01-01MS	SDG No.:	O5252
Lab Sample ID:	O5255-02MS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	85.2 Decanted:
Sample Wt/Vol:	10.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO099457.D	1	11/06/23 09:10	11/07/23 11:01	PB156919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	1.30	E	0.013	0.059	mg/Kg
11104-28-2	Aroclor-1221	0.021	U	0.021	0.059	mg/Kg
11141-16-5	Aroclor-1232	0.016	U	0.016	0.059	mg/Kg
53469-21-9	Aroclor-1242	0.011	U	0.011	0.059	mg/Kg
12672-29-6	Aroclor-1248	0.0099	U	0.0099	0.059	mg/Kg
11097-69-1	Aroclor-1254	3.80	EP	0.013	0.059	mg/Kg
37324-23-5	Aroclor-1262	0.0095	U	0.0095	0.059	mg/Kg
11100-14-4	Aroclor-1268	0.012	U	0.012	0.059	mg/Kg
11096-82-5	Aroclor-1260	4.60	EP	0.012	0.059	mg/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	12.5		30 (40) - 150 (162)	63%	SPK: 20
2051-24-3	Decachlorobiphenyl	30.7	*	30 (32) - 150 (175)	154%	SPK: 20

Comments:

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: **PO099458.D**

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	P001-WC01-01MSD	SDG No.:	O5252
Lab Sample ID:	O5255-03MSD	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	85.2 Decanted:
Sample Wt/Vol:	10.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO099458.D	1	11/06/23 09:10	11/07/23 11:18	PB156919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	1.30	E	0.013	0.059	mg/Kg
11104-28-2	Aroclor-1221	0.021	U	0.021	0.059	mg/Kg
11141-16-5	Aroclor-1232	0.016	U	0.016	0.059	mg/Kg
53469-21-9	Aroclor-1242	0.011	U	0.011	0.059	mg/Kg
12672-29-6	Aroclor-1248	0.0098	U	0.0098	0.059	mg/Kg
11097-69-1	Aroclor-1254	3.70	EP	0.013	0.059	mg/Kg
37324-23-5	Aroclor-1262	0.0095	U	0.0095	0.059	mg/Kg
11100-14-4	Aroclor-1268	0.012	U	0.012	0.059	mg/Kg
11096-82-5	Aroclor-1260	4.40	EP	0.012	0.059	mg/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	12.8		30 (40) - 150 (162)	64%	SPK: 20
2051-24-3	Decachlorobiphenyl	28.9		30 (32) - 150 (175)	145%	SPK: 20

Comments:

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

CHEMTECH

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CALIBRATION SUMMARY

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

Instrument ID: ECD_O **Calibration Date(s):** 10/24/2023 10/25/2023

Calibration Times: 21:19 04:56

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

LAB FILE ID: RT 1000 = PO098876.D RT 750 = PO098877.D

RT 500 = PO098878.D RT 250 = PO098879.D RT 050 = PO098880.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.65	5.65	5.65	5.65	5.65	5.65	5.55	5.75
Aroclor-1016-2	(2)	5.67	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1016-3	(3)	5.74	5.74	5.74	5.74	5.74	5.74	5.64	5.84
Aroclor-1016-4	(4)	5.84	5.84	5.83	5.83	5.83	5.83	5.73	5.93
Aroclor-1016-5	(5)	6.13	6.13	6.13	6.13	6.13	6.13	6.03	6.23
Aroclor-1260-1	(1)	7.26	7.26	7.26	7.26	7.26	7.26	7.16	7.36
Aroclor-1260-2	(2)	7.52	7.52	7.52	7.52	7.52	7.52	7.42	7.62
Aroclor-1260-3	(3)	7.88	7.88	7.88	7.88	7.88	7.88	7.78	7.98
Aroclor-1260-4	(4)	8.10	8.11	8.10	8.10	8.10	8.10	8.00	8.20
Aroclor-1260-5	(5)	8.43	8.43	8.43	8.43	8.43	8.43	8.33	8.53
Decachlorobiphenyl		10.28	10.28	10.28	10.28	10.28	10.28	10.18	10.38
Tetrachloro-m-xylene		4.48	4.48	4.48	4.48	4.48	4.48	4.38	4.58
Aroclor-1242-1	(1)	5.65	5.65	5.65	5.65	5.65	5.65	5.55	5.75
Aroclor-1242-2	(2)	5.67	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1242-3	(3)	5.74	5.74	5.74	5.74	5.74	5.74	5.64	5.84
Aroclor-1242-4	(4)	5.83	5.83	5.83	5.83	5.83	5.83	5.73	5.93
Aroclor-1242-5	(5)	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
Decachlorobiphenyl		10.28	10.28	10.28	10.28	10.28	10.28	10.18	10.38
Tetrachloro-m-xylene		4.48	4.48	4.48	4.48	4.48	4.48	4.38	4.58
Aroclor-1248-1	(1)	5.65	5.65	5.65	5.65	5.65	5.65	5.55	5.75
Aroclor-1248-2	(2)	5.93	5.93	5.93	5.93	5.93	5.93	5.83	6.03
Aroclor-1248-3	(3)	6.13	6.13	6.13	6.13	6.13	6.13	6.03	6.23
Aroclor-1248-4	(4)	6.54	6.54	6.53	6.53	6.53	6.53	6.43	6.63
Aroclor-1248-5	(5)	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
Decachlorobiphenyl		10.28	10.28	10.28	10.28	10.28	10.28	10.18	10.38
Tetrachloro-m-xylene		4.48	4.48	4.48	4.48	4.48	4.48	4.38	4.58
Aroclor-1254-1	(1)	6.51	6.51	6.51	6.51	6.51	6.51	6.41	6.61
Aroclor-1254-2	(2)	6.73	6.73	6.73	6.73	6.73	6.73	6.63	6.83
Aroclor-1254-3	(3)	7.10	7.09	7.09	7.09	7.09	7.09	6.99	7.19
Aroclor-1254-4	(4)	7.38	7.38	7.38	7.38	7.38	7.38	7.28	7.48
Aroclor-1254-5	(5)	7.80	7.80	7.80	7.80	7.80	7.80	7.70	7.90
Decachlorobiphenyl		10.28	10.28	10.28	10.28	10.28	10.28	10.18	10.38
Tetrachloro-m-xylene		4.48	4.48	4.48	4.48	4.48	4.48	4.38	4.58
Aroclor-1268-1	(1)	8.74	8.74	8.74	8.74	8.74	8.74	8.64	8.84
Aroclor-1268-2	(2)	8.84	8.84	8.84	8.84	8.84	8.84	8.74	8.94
Aroclor-1268-3	(3)	9.07	9.07	9.07	9.07	9.07	9.07	8.97	9.17
Aroclor-1268-4	(4)	9.51	9.51	9.51	9.51	9.51	9.51	9.41	9.61
Aroclor-1268-5	(5)	9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.28	10.28	10.28	10.28	10.28	10.28	10.18	10.38
Tetrachloro-m-xylene	4.48	4.48	4.48	4.48	4.48	4.48	4.38	4.58

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

Instrument ID: ECD_O **Calibration Date(s):** 10/24/2023 10/25/2023

Calibration Times: 21:19 04:56

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PO098876.D RT 750 = PO098877.D

RT 500 = PO098878.D RT 250 = PO098879.D RT 050 = PO098880.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.71	4.71	4.71	4.71	4.71	4.71	4.61	4.81
Aroclor-1016-2	(2)	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Aroclor-1016-3	(3)	4.91	4.91	4.91	4.91	4.91	4.91	4.81	5.01
Aroclor-1016-4	(4)	4.95	4.95	4.95	4.95	4.95	4.95	4.85	5.05
Aroclor-1016-5	(5)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1260-1	(1)	6.20	6.19	6.20	6.19	6.19	6.19	6.09	6.29
Aroclor-1260-2	(2)	6.38	6.38	6.38	6.38	6.38	6.38	6.28	6.48
Aroclor-1260-3	(3)	6.54	6.54	6.54	6.54	6.54	6.54	6.44	6.64
Aroclor-1260-4	(4)	7.01	7.01	7.01	7.01	7.01	7.01	6.91	7.11
Aroclor-1260-5	(5)	7.25	7.25	7.25	7.25	7.25	7.25	7.15	7.35
Decachlorobiphenyl		8.63	8.63	8.63	8.63	8.63	8.63	8.53	8.73
Tetrachloro-m-xylene		3.63	3.63	3.63	3.63	3.63	3.63	3.53	3.73
Aroclor-1242-1	(1)	4.71	4.71	4.71	4.71	4.71	4.71	4.61	4.81
Aroclor-1242-2	(2)	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Aroclor-1242-3	(3)	4.91	4.91	4.91	4.91	4.91	4.91	4.81	5.01
Aroclor-1242-4	(4)	4.99	4.99	4.99	4.99	4.99	4.99	4.89	5.09
Aroclor-1242-5	(5)	5.51	5.51	5.51	5.51	5.51	5.51	5.41	5.61
Decachlorobiphenyl		8.63	8.63	8.63	8.63	8.63	8.63	8.53	8.73
Tetrachloro-m-xylene		3.63	3.63	3.63	3.63	3.63	3.63	3.53	3.73
Aroclor-1248-1	(1)	4.71	4.71	4.71	4.71	4.71	4.71	4.61	4.81
Aroclor-1248-2	(2)	4.95	4.95	4.95	4.95	4.95	4.95	4.85	5.05
Aroclor-1248-3	(3)	4.99	4.99	4.99	4.99	4.99	4.99	4.89	5.09
Aroclor-1248-4	(4)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1248-5	(5)	5.55	5.55	5.55	5.55	5.55	5.55	5.45	5.65
Decachlorobiphenyl		8.63	8.63	8.63	8.63	8.63	8.63	8.53	8.73
Tetrachloro-m-xylene		3.63	3.63	3.63	3.63	3.63	3.63	3.53	3.73
Aroclor-1254-1	(1)	5.51	5.51	5.51	5.51	5.51	5.51	5.41	5.61
Aroclor-1254-2	(2)	5.66	5.66	5.66	5.66	5.66	5.66	5.56	5.76
Aroclor-1254-3	(3)	6.06	6.06	6.06	6.06	6.06	6.06	5.96	6.16
Aroclor-1254-4	(4)	6.29	6.29	6.29	6.29	6.29	6.29	6.19	6.39
Aroclor-1254-5	(5)	6.71	6.71	6.71	6.71	6.71	6.71	6.61	6.81
Decachlorobiphenyl		8.63	8.63	8.63	8.63	8.63	8.63	8.53	8.73
Tetrachloro-m-xylene		3.63	3.63	3.63	3.63	3.63	3.63	3.53	3.73
Aroclor-1268-1	(1)	7.53	7.53	7.53	7.53	7.53	7.53	7.43	7.63
Aroclor-1268-2	(2)	7.60	7.60	7.60	7.60	7.60	7.60	7.50	7.70
Aroclor-1268-3	(3)	7.80	7.80	7.80	7.80	7.80	7.80	7.70	7.90
Aroclor-1268-4	(4)	8.09	8.09	8.09	8.09	8.09	8.09	7.99	8.19
Aroclor-1268-5	(5)	8.38	8.38	8.38	8.38	8.38	8.38	8.28	8.48

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.63	8.63	8.63	8.63	8.63	8.63	8.53	8.73
Tetrachloro-m-xylene	3.63	3.63	3.63	3.63	3.63	3.63	3.53	3.73

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

Instrument ID: ECD_O **Calibration Date(s):** 10/24/2023 10/25/2023

Calibration Times: 21:19 04:56

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

LAB FILE ID: **CF 1000 =** PO098876.D **CF 750 =** PO098877.D

CF 500 = PO098878.D **CF 250 =** PO098879.D **CF 050 =** PO098880.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	49989028	52385553	55533822	59660416	57762880	55066340	7
Aroclor-1016-2	(2)	75287793	78136929	82145748	89947288	87931560	82689864	8
Aroclor-1016-3	(3)	47790640	49770840	52709266	55573040	51517080	51472173	6
Aroclor-1016-4	(4)	37181612	38653064	40933136	43845508	42603700	40643404	7
Aroclor-1016-5	(5)	39306982	41166875	43645748	46212632	41883400	42443127	6
Aroclor-1260-1	(1)	66021049	68641383	73335746	77991056	72315880	71661023	6
Aroclor-1260-2	(2)	71661854	74664931	78950758	85466964	83739600	78896821	7
Aroclor-1260-3	(3)	51485935	53851253	56122134	60003164	51602020	54612901	7
Aroclor-1260-4	(4)	59353646	61504485	64814452	68471968	59139200	62656750	6
Aroclor-1260-5	(5)	99124661	102285561	107421222	113030340	113216240	107015605	6
Decachlorobiphenyl		1060572420	1094172680	1149512640	1213102040	1146991200	1132870196	5
Tetrachloro-m-xylene		1863340870	1912555627	1987468500	2115545120	2000783600	1975938743	5
Aroclor-1242-1	(1)	41078299	40908460	43865588	46206632	44402180	43292232	5
Aroclor-1242-2	(2)	60714759	61098743	64536650	67340748	66545640	64047308	5
Aroclor-1242-3	(3)	39156362	39208737	41327592	42933812	38501920	40225685	5
Aroclor-1242-4	(4)	30357802	30557131	32085682	32918340	30545440	31292879	4
Aroclor-1242-5	(5)	29994844	30148920	31886564	33781628	28431080	30848607	7
Decachlorobiphenyl		1109812630	1114322200	1166545740	1204337240	1169126400	1152828842	3
Tetrachloro-m-xylene		2019994980	1991865973	2074410900	2134638120	1996394800	2043460955	3
Aroclor-1248-1	(1)	31777457	32523332	34676906	36206032	34679620	33972669	5
Aroclor-1248-2	(2)	49826889	50941409	54053908	57659484	49184720	52333282	7
Aroclor-1248-3	(3)	53623277	54462804	58147036	62246604	56408860	56977716	6
Aroclor-1248-4	(4)	50520624	52159307	55248342	58449360	56280540	54531635	6
Aroclor-1248-5	(5)	52013973	53440915	56603118	60721060	61251400	56806093	7
Decachlorobiphenyl		1086054700	1133076453	1184626040	1217746600	1105316800	1145364119	5
Tetrachloro-m-xylene		1955781080	1958748773	2036476980	2133825680	1982762600	2013519023	4
Aroclor-1254-1	(1)	59581679	63484724	66791772	70124004	69152820	65827000	7
Aroclor-1254-2	(2)	86700398	91673145	96400834	102499040	104069740	96268631	8
Aroclor-1254-3	(3)	83174823	87463687	90998546	95666728	89611540	89383065	5
Aroclor-1254-4	(4)	52127999	54872905	56652914	58665100	51598600	54783504	5
Aroclor-1254-5	(5)	63529137	66377123	69292832	71831604	65643400	67334819	5
Decachlorobiphenyl		1101048720	1154628773	1203587880	1245974320	1143081800	1169664299	5
Tetrachloro-m-xylene		1961547050	2030923560	2079762860	2161116360	2046820200	2056034006	4
Aroclor-1268-1	(1)	167101689	168103977	176338924	182865516	166815900	172245201	4

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	152357600	152774039	161189372	166770536	150879360	156794181	4
Aroclor-1268-3	(3)	135168451	136245995	143482964	148903648	137259660	140212144	4
Aroclor-1268-4	(4)	50291800	50665288	51647154	51581952	46538040	50144847	4
Aroclor-1268-5	(5)	404967365	403507273	422479914	423919200	391224200	409219590	3
Decachlorobiphenyl		1977497130	1984309573	2107507040	2162051280	2016902400	2049653485	4
Tetrachloro-m-xylene		2050076990	2059501507	2132696220	2200566000	1973434200	2083254983	4

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

Instrument ID: ECD_O **Calibration Date(s):** 10/24/2023 10/25/2023

Calibration Times: 21:19 04:56

GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID: **CF 1000 =** PO098876.D **CF 750 =** PO098877.D

CF 500 = PO098878.D **CF 250 =** PO098879.D **CF 050 =** PO098880.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	20848038	21476807	22653938	24421520	22569440	22393949	6
Aroclor-1016-2	(2)	29250389	30344203	31825358	34249576	30613680	31256641	6
Aroclor-1016-3	(3)	16140423	16801440	17580246	18205404	15936420	16932787	6
Aroclor-1016-4	(4)	13652710	14278405	15075286	15692716	13589580	14457739	6
Aroclor-1016-5	(5)	17595249	18357624	19383002	20297968	17775520	18681873	6
Aroclor-1260-1	(1)	32308121	33522716	35551462	38257024	36737720	35275409	7
Aroclor-1260-2	(2)	36729811	38142455	40451776	43264848	41843480	40086474	7
Aroclor-1260-3	(3)	35297806	36316081	38407302	40987364	38055840	37812879	6
Aroclor-1260-4	(4)	26937141	28012183	29600570	31260480	28672080	28896491	6
Aroclor-1260-5	(5)	56808823	58366176	60970486	64172044	60580720	60179650	5
Decachlorobiphenyl		495673770	516316707	540354260	576360680	553957000	536532483	6
Tetrachloro-m-xylene		689344340	701672453	724360560	762877760	720136000	719678223	4
Aroclor-1242-1	(1)	16576295	16975355	18027342	19019524	17250880	17569879	6
Aroclor-1242-2	(2)	23139688	23564864	24743812	25770584	23949760	24233742	4
Aroclor-1242-3	(3)	12830905	13112524	13651562	13557640	10950800	12820686	9
Aroclor-1242-4	(4)	13643193	13996931	14663506	14851920	13228180	14076746	5
Aroclor-1242-5	(5)	16076536	16427908	17207214	17648900	16195360	16711184	4
Decachlorobiphenyl		513404210	527070400	554094260	582361480	556529600	546691990	5
Tetrachloro-m-xylene		740657730	739800120	760391120	779292320	697594800	743547218	4
Aroclor-1248-1	(1)	12987284	13321796	14351546	15042508	13596740	13859975	6
Aroclor-1248-2	(2)	18816893	19317827	20746338	21987348	18449520	19863585	7
Aroclor-1248-3	(3)	19817774	20340991	21795184	22828792	19485020	20853552	7
Aroclor-1248-4	(4)	23267143	23894836	25736506	27167504	22851480	24583494	7
Aroclor-1248-5	(5)	20395130	21186776	22402772	23389864	21217480	21718404	5
Decachlorobiphenyl		509468510	526411933	553538980	591531280	551145600	546419261	6
Tetrachloro-m-xylene		717577670	715218520	745353940	769827640	691694400	727934434	4
Aroclor-1254-1	(1)	32900286	34580232	36230922	38690160	34765120	35433344	6
Aroclor-1254-2	(2)	29506119	31052004	32605276	34997640	31761000	31984408	6
Aroclor-1254-3	(3)	45712845	47892805	49844328	52721580	48265840	48887480	5
Aroclor-1254-4	(4)	24932607	26216301	27379304	28386360	24119540	26206822	7
Aroclor-1254-5	(5)	40119812	41800708	43737752	45233344	39882320	42154787	5
Decachlorobiphenyl		509186070	537151387	561755500	593508280	549796600	550279567	6
Tetrachloro-m-xylene		721062620	744080280	761641260	781873040	698599000	741451240	4
Aroclor-1268-1	(1)	85641137	85884300	89390656	93476344	91584500	89195387	4

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	76443943	76462275	79666976	83196872	79014740	78956961	4
Aroclor-1268-3	(3)	67068705	67662444	71100866	74335272	71854060	70404269	4
Aroclor-1268-4	(4)	26181713	27002827	28751574	29305536	26552960	27558922	5
Aroclor-1268-5	(5)	188411785	187030196	193925200	195546924	188233120	190629445	2
Decachlorobiphenyl		914662130	923009707	972442520	1015662840	995312200	964217879	5
Tetrachloro-m-xylene		751895500	760576613	783867520	799012040	707317600	760533855	5

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

Instrument ID: ECD_O **Date(s) Analyzed:** 10/24/2023 10/25/2023

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	4.69	4.59	4.79	24828200
		2	4.77	4.67	4.87	18499300
		3	4.85	4.75	4.95	54176600
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.85	4.75	4.95	45747600
		2	5.38	5.28	5.48	23614400
		3	5.67	5.57	5.77	39492200
		4	5.83	5.73	5.93	19078900
		5	5.92	5.82	6.02	16658200
Aroclor-1262	500	1	7.88	7.78	7.98	90511600
		2	8.43	8.33	8.53	133307000
		3	8.75	8.65	8.85	98336000
		4	8.84	8.74	8.94	80110000
		5	9.51	9.41	9.61	43940800

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

Instrument ID: ECD_O **Date(s) Analyzed:** 10/24/2023 10/25/2023

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	3.84	3.74	3.94	9289900
		2	3.93	3.83	4.03	6483720
		3	4.01	3.91	4.11	20227200
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.01	3.91	4.11	17141600
		2	4.73	4.63	4.83	15320000
		3	4.91	4.81	5.01	8001480
		4	4.99	4.89	5.09	7693780
		5	5.16	5.06	5.26	8505580
Aroclor-1262	500	1	6.75	6.65	6.85	46921000
		2	7.01	6.91	7.11	41517000
		3	7.53	7.43	7.63	31946800
		4	7.60	7.50	7.70	54979000
		5	8.09	7.99	8.19	25114200

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

Instrument ID: ECD_P **Calibration Date(s):** 10/27/2023 10/27/2023

Calibration Times: 11:03 18:24

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

LAB FILE ID: RT 1000 = PP061282.D RT 750 = PP061283.D

RT 500 = PP061284.D RT 250 = PP061285.D RT 050 = PP061286.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.76	5.75	5.75	5.75	5.75	5.75	5.65	5.85
Aroclor-1016-2	(2)	5.78	5.78	5.78	5.78	5.78	5.78	5.68	5.88
Aroclor-1016-3	(3)	5.84	5.84	5.84	5.84	5.84	5.84	5.74	5.94
Aroclor-1016-4	(4)	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Aroclor-1016-5	(5)	6.24	6.24	6.24	6.24	6.24	6.24	6.14	6.34
Aroclor-1260-1	(1)	7.39	7.38	7.38	7.38	7.39	7.38	7.28	7.48
Aroclor-1260-2	(2)	7.64	7.64	7.64	7.64	7.64	7.64	7.54	7.74
Aroclor-1260-3	(3)	8.01	8.01	8.01	8.01	8.01	8.01	7.91	8.11
Aroclor-1260-4	(4)	8.24	8.24	8.24	8.24	8.24	8.24	8.14	8.34
Aroclor-1260-5	(5)	8.58	8.58	8.58	8.58	8.58	8.58	8.48	8.68
Decachlorobiphenyl		10.54	10.54	10.54	10.54	10.54	10.54	10.44	10.64
Tetrachloro-m-xylene		4.56	4.56	4.56	4.56	4.56	4.56	4.46	4.66
Aroclor-1242-1	(1)	5.76	5.76	5.76	5.75	5.75	5.76	5.66	5.86
Aroclor-1242-2	(2)	5.78	5.78	5.78	5.78	5.78	5.78	5.68	5.88
Aroclor-1242-3	(3)	5.84	5.84	5.84	5.84	5.84	5.84	5.74	5.94
Aroclor-1242-4	(4)	5.94	5.94	5.94	5.94	5.95	5.94	5.84	6.04
Aroclor-1242-5	(5)	6.69	6.69	6.69	6.69	6.69	6.69	6.59	6.79
Decachlorobiphenyl		10.55	10.55	10.54	10.54	10.54	10.54	10.44	10.64
Tetrachloro-m-xylene		4.56	4.56	4.56	4.56	4.56	4.56	4.46	4.66
Aroclor-1248-1	(1)	5.75	5.75	5.75	5.75	5.75	5.75	5.65	5.85
Aroclor-1248-2	(2)	6.03	6.03	6.03	6.03	6.03	6.03	5.93	6.13
Aroclor-1248-3	(3)	6.24	6.24	6.24	6.24	6.24	6.24	6.14	6.34
Aroclor-1248-4	(4)	6.65	6.65	6.65	6.65	6.65	6.65	6.55	6.75
Aroclor-1248-5	(5)	6.69	6.69	6.69	6.69	6.69	6.69	6.59	6.79
Decachlorobiphenyl		10.53	10.53	10.54	10.54	10.54	10.54	10.44	10.64
Tetrachloro-m-xylene		4.56	4.56	4.56	4.56	4.56	4.56	4.46	4.66
Aroclor-1254-1	(1)	6.62	6.62	6.62	6.62	6.62	6.62	6.52	6.72
Aroclor-1254-2	(2)	6.84	6.84	6.84	6.84	6.84	6.84	6.74	6.94
Aroclor-1254-3	(3)	7.21	7.21	7.21	7.21	7.21	7.21	7.11	7.31
Aroclor-1254-4	(4)	7.50	7.50	7.50	7.50	7.50	7.50	7.40	7.60
Aroclor-1254-5	(5)	7.92	7.92	7.93	7.92	7.93	7.93	7.83	8.03
Decachlorobiphenyl		10.53	10.53	10.53	10.53	10.53	10.53	10.43	10.63
Tetrachloro-m-xylene		4.56	4.56	4.56	4.56	4.56	4.56	4.46	4.66
Aroclor-1268-1	(1)	8.90	8.90	8.90	8.90	8.90	8.90	8.80	9.00
Aroclor-1268-2	(2)	9.00	9.00	9.01	9.00	9.00	9.00	8.90	9.10
Aroclor-1268-3	(3)	9.25	9.25	9.25	9.25	9.25	9.25	9.15	9.35
Aroclor-1268-4	(4)	9.71	9.71	9.71	9.71	9.71	9.71	9.61	9.81
Aroclor-1268-5	(5)	10.16	10.16	10.16	10.16	10.16	10.16	10.06	10.26

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.53	10.53	10.53	10.52	10.53	10.53	10.43	10.63
Tetrachloro-m-xylene	4.56	4.56	4.56	4.56	4.56	4.56	4.46	4.66

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

Instrument ID: ECD_P **Calibration Date(s):** 10/27/2023 10/27/2023

Calibration Times: 11:03 18:24

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PP061282.D RT 750 = PP061283.D

RT 500 = PP061284.D RT 250 = PP061285.D RT 050 = PP061286.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.80	4.80	4.79	4.80	4.80	4.80	4.70	4.90
Aroclor-1016-2	(2)	4.82	4.81	4.81	4.81	4.82	4.81	4.71	4.91
Aroclor-1016-3	(3)	4.99	4.99	4.99	4.99	4.99	4.99	4.89	5.09
Aroclor-1016-4	(4)	5.04	5.04	5.03	5.04	5.04	5.04	4.94	5.14
Aroclor-1016-5	(5)	5.25	5.25	5.25	5.25	5.25	5.25	5.15	5.35
Aroclor-1260-1	(1)	6.30	6.29	6.29	6.29	6.29	6.29	6.19	6.39
Aroclor-1260-2	(2)	6.48	6.48	6.48	6.48	6.48	6.48	6.38	6.58
Aroclor-1260-3	(3)	6.64	6.64	6.64	6.64	6.64	6.64	6.54	6.74
Aroclor-1260-4	(4)	7.11	7.11	7.11	7.11	7.11	7.11	7.01	7.21
Aroclor-1260-5	(5)	7.36	7.36	7.35	7.36	7.36	7.36	7.26	7.46
Decachlorobiphenyl		8.77	8.77	8.76	8.77	8.77	8.77	8.67	8.87
Tetrachloro-m-xylene		3.70	3.70	3.69	3.70	3.69	3.70	3.60	3.80
Aroclor-1242-1	(1)	4.80	4.80	4.80	4.79	4.80	4.80	4.70	4.90
Aroclor-1242-2	(2)	4.82	4.82	4.82	4.81	4.81	4.82	4.72	4.92
Aroclor-1242-3	(3)	5.00	5.00	4.99	4.99	4.99	4.99	4.89	5.09
Aroclor-1242-4	(4)	5.08	5.08	5.08	5.08	5.08	5.08	4.98	5.18
Aroclor-1242-5	(5)	5.61	5.61	5.61	5.61	5.60	5.61	5.51	5.71
Decachlorobiphenyl		8.77	8.77	8.77	8.77	8.77	8.77	8.67	8.87
Tetrachloro-m-xylene		3.70	3.70	3.70	3.69	3.69	3.70	3.60	3.80
Aroclor-1248-1	(1)	4.79	4.79	4.79	4.79	4.79	4.79	4.69	4.89
Aroclor-1248-2	(2)	5.03	5.03	5.03	5.03	5.03	5.03	4.93	5.13
Aroclor-1248-3	(3)	5.07	5.07	5.07	5.07	5.07	5.07	4.97	5.17
Aroclor-1248-4	(4)	5.25	5.25	5.25	5.25	5.25	5.25	5.15	5.35
Aroclor-1248-5	(5)	5.64	5.64	5.64	5.64	5.64	5.64	5.54	5.74
Decachlorobiphenyl		8.76	8.76	8.76	8.76	8.76	8.76	8.66	8.86
Tetrachloro-m-xylene		3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79
Aroclor-1254-1	(1)	5.60	5.60	5.60	5.60	5.60	5.60	5.50	5.70
Aroclor-1254-2	(2)	5.75	5.75	5.75	5.75	5.75	5.75	5.65	5.85
Aroclor-1254-3	(3)	6.16	6.16	6.16	6.16	6.16	6.16	6.06	6.26
Aroclor-1254-4	(4)	6.39	6.39	6.39	6.39	6.39	6.39	6.29	6.49
Aroclor-1254-5	(5)	6.81	6.81	6.81	6.81	6.81	6.81	6.71	6.91
Decachlorobiphenyl		8.76	8.76	8.76	8.76	8.76	8.76	8.66	8.86
Tetrachloro-m-xylene		3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79
Aroclor-1268-1	(1)	7.64	7.64	7.64	7.63	7.64	7.64	7.54	7.74
Aroclor-1268-2	(2)	7.70	7.70	7.70	7.70	7.70	7.70	7.60	7.80
Aroclor-1268-3	(3)	7.91	7.91	7.91	7.91	7.91	7.91	7.81	8.01
Aroclor-1268-4	(4)	8.20	8.20	8.20	8.20	8.20	8.20	8.10	8.30
Aroclor-1268-5	(5)	8.50	8.50	8.50	8.50	8.50	8.50	8.40	8.60

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.76	8.76	8.76	8.76	8.76	8.76	8.66	8.86
Tetrachloro-m-xylene	3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

Instrument ID: ECD_P **Calibration Date(s):** 10/27/2023 10/27/2023

Calibration Times: 11:03 18:24

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

LAB FILE ID: **CF 1000 =** PP061282.D **CF 750 =** PP061283.D

CF 500 = PP061284.D **CF 250 =** PP061285.D **CF 050 =** PP061286.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	78212042	80599441	82345390	85900384	79836180	81378687	4
Aroclor-1016-2	(2)	112738073	115759573	117214098	122870952	112849440	116286427	4
Aroclor-1016-3	(3)	66929599	69456631	71505478	75738668	69952460	70716567	5
Aroclor-1016-4	(4)	56430833	58267451	59377670	62235268	55546060	58371456	5
Aroclor-1016-5	(5)	56065561	57882228	59419624	63142916	50537700	57409606	8
Aroclor-1260-1	(1)	106895618	111835625	114705618	116472508	112558560	112493586	3
Aroclor-1260-2	(2)	122420456	132806607	127805390	133319552	130501920	129370785	3
Aroclor-1260-3	(3)	82507793	84599167	86033322	90169708	81343860	84930770	4
Aroclor-1260-4	(4)	100877736	102233352	103139216	107842560	91306780	101079929	6
Aroclor-1260-5	(5)	194869646	195495073	196035092	204433776	177577520	193682221	5
Decachlorobiphenyl		1820417660	1875964747	1930434440	1999223120	1802472200	1885702433	4
Tetrachloro-m-xylene		2497120520	2532236027	2540128700	2552616640	2228791600	2470178697	6
Aroclor-1242-1	(1)	61622664	63864001	67188154	68775468	65631380	65416333	4
Aroclor-1242-2	(2)	89744740	90679724	94334560	96701964	91879800	92668158	3
Aroclor-1242-3	(3)	53408719	54880752	57988284	60694636	58413060	57077090	5
Aroclor-1242-4	(4)	45020195	46199180	47975954	50261328	53610200	48613371	7
Aroclor-1242-5	(5)	47011944	47404843	53236068	56077268	54899000	51725825	8
Decachlorobiphenyl		1839270080	1887092453	1956533620	2107791640	1819629200	1922063399	6
Tetrachloro-m-xylene		2553118200	2572437587	2624758880	2575120960	2260575600	2517202245	6
Aroclor-1248-1	(1)	46243226	47429747	48711456	52312148	49305880	48800491	5
Aroclor-1248-2	(2)	69204046	81420103	73405360	77844828	74918200	75358507	6
Aroclor-1248-3	(3)	86824624	77722397	82869124	91408960	78161780	83397377	7
Aroclor-1248-4	(4)	84558978	86071039	87331762	91419268	91379860	88152181	4
Aroclor-1248-5	(5)	80381233	84287171	84328208	88006696	86964680	84793598	3
Decachlorobiphenyl		1831534510	1884543733	1944245920	2023416160	1795257200	1895799505	5
Tetrachloro-m-xylene		2518302300	2539263760	2553682340	2544192920	2216329600	2474354184	6
Aroclor-1254-1	(1)	84105683	85678899	88539880	93811412	90685000	88564175	4
Aroclor-1254-2	(2)	127682058	129532649	133715058	140889096	135066660	133377104	4
Aroclor-1254-3	(3)	133404615	134856289	138449996	145700524	139104140	138303113	3
Aroclor-1254-4	(4)	96657916	97545587	100163340	103597628	99776880	99548270	3
Aroclor-1254-5	(5)	107758992	109650001	111657242	115050528	106144480	110052249	3
Decachlorobiphenyl		1822009320	1862834467	1932988380	1993334480	1825600400	1887353409	4
Tetrachloro-m-xylene		2513561060	2512639507	2516482200	2518049880	2219551600	2456056849	5
Aroclor-1268-1	(1)	279207059	286889505	290053208	305041564	270678380	286373943	4

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	252281607	260394632	262178256	268470024	264231340	261511172	2
Aroclor-1268-3	(3)	219517461	224159525	228773188	256713848	209376220	227708048	8
Aroclor-1268-4	(4)	90772553	94759200	94449238	95073488	77575100	90525916	8
Aroclor-1268-5	(5)	706187367	719283455	716389008	717941248	626059020	697172020	6
Decachlorobiphenyl		3292683380	3391751373	3448222860	3528415320	3198387400	3371892067	4
Tetrachloro-m-xylene		2594293810	2596516147	2589988480	2569823760	2225175400	2515159519	6

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

Instrument ID: ECD_P **Calibration Date(s):** 10/27/2023 10/27/2023

Calibration Times: 11:03 18:24

GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID: **CF 1000 =** PP061282.D **CF 750 =** PP061283.D

CF 500 = PP061284.D **CF 250 =** PP061285.D **CF 050 =** PP061286.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	47373123	49756297	51930892	56389552	53322120	51754397	7
Aroclor-1016-2	(2)	66157042	68423064	70627548	76676240	71742480	70725275	6
Aroclor-1016-3	(3)	36514114	38197968	39736858	43383244	39426320	39451701	6
Aroclor-1016-4	(4)	28642383	30161093	31893236	34823616	31762160	31456498	7
Aroclor-1016-5	(5)	38058242	40005372	41884950	45689092	44553920	42038315	7
Aroclor-1260-1	(1)	75438383	78348136	81384016	87534872	84115880	81364257	6
Aroclor-1260-2	(2)	90551189	93754113	97074824	104583668	101688060	97530371	6
Aroclor-1260-3	(3)	88554614	91419453	93870458	99327400	89572220	92548829	5
Aroclor-1260-4	(4)	69680008	71898749	74308478	78651592	72082360	73324237	5
Aroclor-1260-5	(5)	167571915	170778617	173359878	177807488	164288960	170761372	3
Decachlorobiphenyl		1449798320	1491008213	1544181900	1633803200	1559674400	1535693207	5
Tetrachloro-m-xylene		1424685800	1468786707	1502244920	1569298800	1507431400	1494489525	4
Aroclor-1242-1	(1)	38370066	40266172	42863770	46169652	43738540	42281640	7
Aroclor-1242-2	(2)	53117583	54674537	57981020	61324776	57154640	56850511	6
Aroclor-1242-3	(3)	29705737	30928000	33140354	34677848	32021780	32094744	6
Aroclor-1242-4	(4)	29339715	30759728	33121464	35075396	32515900	32162441	7
Aroclor-1242-5	(5)	37074981	38594979	40943788	43605840	38253980	39694714	7
Decachlorobiphenyl		1471560590	1512039093	1574142240	1648015320	1596536400	1560458729	4
Tetrachloro-m-xylene		1511268670	1546260533	1611797520	1683130840	1571683400	1584828193	4
Aroclor-1248-1	(1)	28479766	29330216	31595402	34246856	31732540	31076956	7
Aroclor-1248-2	(2)	39884082	41054504	44283276	48404588	44476220	43620534	8
Aroclor-1248-3	(3)	42268470	44209283	46816228	51158368	47927500	46475970	7
Aroclor-1248-4	(4)	50503493	53663392	55776212	60994740	57676320	55722831	7
Aroclor-1248-5	(5)	48980599	51366895	53337064	57551132	48924480	52032034	7
Decachlorobiphenyl		1468206370	1512922813	1564203620	1651978120	1572834400	1554029065	4
Tetrachloro-m-xylene		1503436440	1535689387	1582353960	1642607280	1532395200	1559296453	3
Aroclor-1254-1	(1)	73316784	75064320	78626170	84540628	82468800	78803340	6
Aroclor-1254-2	(2)	64581135	66308883	69739678	75376380	73204660	69842147	6
Aroclor-1254-3	(3)	107956886	109548401	113905660	120657136	115173080	113448233	4
Aroclor-1254-4	(4)	66660088	67677848	70456186	73775768	68942540	69502486	4
Aroclor-1254-5	(5)	102633978	104587725	108012454	113421788	100393380	105809865	5
Decachlorobiphenyl		1451200210	1482403520	1546469200	1623113560	1567126400	1534062578	4
Tetrachloro-m-xylene		1504120480	1520942947	1557432600	1623244920	1483629600	1537874109	4
Aroclor-1268-1	(1)	226076215	231120203	238074380	240999504	227944660	232842992	3

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	205665168	211143027	213586122	216459164	202459100	209862516	3
Aroclor-1268-3	(3)	178819425	183142883	186168288	189780000	180783000	183738719	2
Aroclor-1268-4	(4)	75061045	78289523	79335110	81472752	72339880	77299662	5
Aroclor-1268-5	(5)	566053014	583421776	581357630	582385348	523227400	567289034	5
Decachlorobiphenyl		2587410300	2669302800	2730759560	2771468760	2713579200	2694504124	3
Tetrachloro-m-xylene		1545188140	1569057653	1601012320	1665571560	1522153200	1580596575	4

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

Instrument ID: ECD_P **Date(s) Analyzed:** 10/27/2023 10/27/2023

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	4.77	4.67	4.87	29703200
		2	4.86	4.76	4.96	22270200
		3	4.94	4.84	5.04	64794200
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.94	4.84	5.04	53374800
		2	5.48	5.38	5.58	29585800
		3	5.78	5.68	5.88	49855000
		4	5.94	5.84	6.04	25223800
		5	6.03	5.93	6.13	21595600
Aroclor-1262	500	1	8.00	7.90	8.10	132969000
		2	8.57	8.47	8.67	233718000
		3	8.91	8.81	9.01	158763000
		4	9.00	8.90	9.10	120474000
		5	9.71	9.61	9.81	81305800

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

Instrument ID: ECD_P **Date(s) Analyzed:** 10/27/2023 10/27/2023

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	3.91	3.81	4.01	19554000
		2	4.00	3.90	4.10	14240100
		3	4.07	3.97	4.17	40591000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.08	3.98	4.18	33768400
		2	4.81	4.71	4.91	31960400
		3	4.99	4.89	5.09	17632500
		4	5.08	4.98	5.18	15943500
		5	5.25	5.15	5.35	18055600
Aroclor-1262	500	1	6.90	6.80	7.00	45072600
		2	7.11	7.01	7.21	100097000
		3	7.64	7.54	7.74	79584600
		4	7.70	7.60	7.80	144475000
		5	8.20	8.10	8.30	69121800

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CALIBRATION VERIFICATION SUMMARY

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

Continuing Calib Date: 11/07/2023 **Initial Calibration Date(s):** 10/24/2023 10/25/2023

Continuing Calib Time: 09:20 **Initial Calibration Time(s):** 21:19 04:56

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)	5.64	5.65	5.55	5.75	0.01
Aroclor-1016-2	(2)	5.67	5.67	5.57	5.77	0.01
Aroclor-1016-3	(3)	5.73	5.74	5.64	5.84	0.01
Aroclor-1016-4	(4)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-5	(5)	6.12	6.13	6.03	6.23	0.01
Aroclor-1260-1	(1)	7.25	7.26	7.16	7.36	0.01
Aroclor-1260-2	(2)	7.51	7.52	7.42	7.62	0.01
Aroclor-1260-3	(3)	7.87	7.88	7.78	7.98	0.01
Aroclor-1260-4	(4)	8.10	8.10	8.00	8.20	0.00
Aroclor-1260-5	(5)	8.42	8.43	8.33	8.53	0.01
Tetrachloro-m-xylene		4.47	4.48	4.38	4.58	0.01
Decachlorobiphenyl		10.27	10.28	10.18	10.38	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

Continuing Calib Date: 11/07/2023 **Initial Calibration Date(s):** 10/24/2023 10/25/2023

Continuing Calib Time: 09:20 **Initial Calibration Time(s):** 21:19 04:56

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)	4.70	4.71	4.61	4.81	0.01
Aroclor-1016-2	(2)	4.72	4.73	4.63	4.83	0.01
Aroclor-1016-3	(3)	4.90	4.91	4.81	5.01	0.01
Aroclor-1016-4	(4)	4.94	4.95	4.85	5.05	0.01
Aroclor-1016-5	(5)	5.15	5.16	5.06	5.26	0.01
Aroclor-1260-1	(1)	6.18	6.20	6.10	6.30	0.02
Aroclor-1260-2	(2)	6.37	6.38	6.28	6.48	0.01
Aroclor-1260-3	(3)	6.52	6.54	6.44	6.64	0.02
Aroclor-1260-4	(4)	7.00	7.01	6.91	7.11	0.01
Aroclor-1260-5	(5)	7.24	7.25	7.15	7.35	0.01
Tetrachloro-m-xylene		3.62	3.63	3.53	3.73	0.01
Decachlorobiphenyl		8.62	8.63	8.53	8.73	0.02

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CALIBRATION VERIFICATION SUMMARY

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/24/2023 10/24/2023

Client Sample No.: CCAL01 **Date Analyzed:** 11/07/2023

Lab Sample No.: AR1660CCC500 **Data File :** PO099451.D **Time Analyzed:** 09:20

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.643	5.550	5.750	457.780	500.000	-8.4
Aroclor-1016-2	5.665	5.574	5.774	455.560	500.000	-8.9
Aroclor-1016-3	5.728	5.635	5.835	462.180	500.000	-7.6
Aroclor-1016-4	5.826	5.734	5.934	466.240	500.000	-6.8
Aroclor-1016-5	6.122	6.030	6.230	444.680	500.000	-11.1
Aroclor-1260-1	7.252	7.160	7.360	448.120	500.000	-10.4
Aroclor-1260-2	7.510	7.417	7.617	467.890	500.000	-6.4
Aroclor-1260-3	7.870	7.777	7.977	466.020	500.000	-6.8
Aroclor-1260-4	8.097	8.004	8.204	472.330	500.000	-5.5
Aroclor-1260-5	8.421	8.329	8.529	501.630	500.000	0.3
Decachlorobiphenyl	10.268	10.181	10.381	51.480	50.000	3.0
Tetrachloro-m-xylene	4.469	4.377	4.577	43.000	50.000	-14.0

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CALIBRATION VERIFICATION SUMMARY

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/24/2023 10/24/2023

Client Sample No.: CCAL01 **Date Analyzed:** 11/07/2023

Lab Sample No.: AR1660CCC500 **Data File :** PO099451.D **Time Analyzed:** 09:20

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.701	4.613	4.813	459.150	500.000	-8.2
Aroclor-1016-2	4.720	4.631	4.831	468.650	500.000	-6.3
Aroclor-1016-3	4.896	4.807	5.007	460.170	500.000	-8.0
Aroclor-1016-4	4.938	4.849	5.049	442.230	500.000	-11.6
Aroclor-1016-5	5.151	5.062	5.262	446.690	500.000	-10.7
Aroclor-1260-1	6.183	6.095	6.295	445.860	500.000	-10.8
Aroclor-1260-2	6.372	6.283	6.483	459.510	500.000	-8.1
Aroclor-1260-3	6.524	6.436	6.636	453.910	500.000	-9.2
Aroclor-1260-4	6.996	6.907	7.107	450.830	500.000	-9.8
Aroclor-1260-5	7.238	7.150	7.350	464.260	500.000	-7.1
Decachlorobiphenyl	8.615	8.530	8.730	42.970	50.000	-14.1
Tetrachloro-m-xylene	3.622	3.531	3.731	44.680	50.000	-10.6

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CALIBRATION VERIFICATION SUMMARY

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

Continuing Calib Date: 11/07/2023 **Initial Calibration Date(s):** 10/24/2023 10/25/2023

Continuing Calib Time: 13:17 **Initial Calibration Time(s):** 21:19 04:56

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)	5.64	5.65	5.55	5.75	0.01
Aroclor-1016-2	(2)	5.67	5.67	5.57	5.77	0.01
Aroclor-1016-3	(3)	5.73	5.74	5.64	5.84	0.01
Aroclor-1016-4	(4)	5.82	5.83	5.73	5.93	0.01
Aroclor-1016-5	(5)	6.12	6.13	6.03	6.23	0.01
Aroclor-1260-1	(1)	7.25	7.26	7.16	7.36	0.01
Aroclor-1260-2	(2)	7.51	7.52	7.42	7.62	0.01
Aroclor-1260-3	(3)	7.87	7.88	7.78	7.98	0.01
Aroclor-1260-4	(4)	8.09	8.10	8.00	8.20	0.01
Aroclor-1260-5	(5)	8.42	8.43	8.33	8.53	0.01
Tetrachloro-m-xylene		4.47	4.48	4.38	4.58	0.01
Decachlorobiphenyl		10.27	10.28	10.18	10.38	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

Continuing Calib Date: 11/07/2023 **Initial Calibration Date(s):** 10/24/2023 10/25/2023

Continuing Calib Time: 13:17 **Initial Calibration Time(s):** 21:19 04:56

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)	4.70	4.71	4.61	4.81	0.01
Aroclor-1016-2	(2)	4.72	4.73	4.63	4.83	0.01
Aroclor-1016-3	(3)	4.90	4.91	4.81	5.01	0.01
Aroclor-1016-4	(4)	4.94	4.95	4.85	5.05	0.01
Aroclor-1016-5	(5)	5.15	5.16	5.06	5.26	0.01
Aroclor-1260-1	(1)	6.18	6.20	6.10	6.30	0.02
Aroclor-1260-2	(2)	6.37	6.38	6.28	6.48	0.01
Aroclor-1260-3	(3)	6.53	6.54	6.44	6.64	0.01
Aroclor-1260-4	(4)	7.00	7.01	6.91	7.11	0.01
Aroclor-1260-5	(5)	7.24	7.25	7.15	7.35	0.01
Tetrachloro-m-xylene		3.62	3.63	3.53	3.73	0.01
Decachlorobiphenyl		8.62	8.63	8.53	8.73	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/24/2023 10/24/2023

Client Sample No.: CCAL02 **Date Analyzed:** 11/07/2023

Lab Sample No.: AR1660CCC500 **Data File :** PO099463.D **Time Analyzed:** 13:17

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.642	5.550	5.750	452.020	500.000	-9.6
Aroclor-1016-2	5.665	5.574	5.774	434.890	500.000	-13.0
Aroclor-1016-3	5.726	5.635	5.835	444.140	500.000	-11.2
Aroclor-1016-4	5.824	5.734	5.934	444.900	500.000	-11.0
Aroclor-1016-5	6.121	6.030	6.230	428.830	500.000	-14.2
Aroclor-1260-1	7.251	7.160	7.360	426.000	500.000	-14.8
Aroclor-1260-2	7.508	7.417	7.617	443.460	500.000	-11.3
Aroclor-1260-3	7.868	7.777	7.977	430.760	500.000	-13.8
Aroclor-1260-4	8.094	8.004	8.204	450.950	500.000	-9.8
Aroclor-1260-5	8.419	8.329	8.529	483.230	500.000	-3.4
Decachlorobiphenyl	10.267	10.181	10.381	48.820	50.000	-2.4
Tetrachloro-m-xylene	4.469	4.377	4.577	42.520	50.000	-15.0

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CALIBRATION VERIFICATION SUMMARY

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/24/2023 10/24/2023

Client Sample No.: CCAL02 **Date Analyzed:** 11/07/2023

Lab Sample No.: AR1660CCC500 **Data File :** PO099463.D **Time Analyzed:** 13:17

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.703	4.613	4.813	474.980	500.000	-5.0
Aroclor-1016-2	4.722	4.631	4.831	494.090	500.000	-1.2
Aroclor-1016-3	4.897	4.807	5.007	485.470	500.000	-2.9
Aroclor-1016-4	4.939	4.849	5.049	457.010	500.000	-8.6
Aroclor-1016-5	5.152	5.062	5.262	467.430	500.000	-6.5
Aroclor-1260-1	6.184	6.095	6.295	441.960	500.000	-11.6
Aroclor-1260-2	6.372	6.283	6.483	458.070	500.000	-8.4
Aroclor-1260-3	6.525	6.436	6.636	443.170	500.000	-11.4
Aroclor-1260-4	6.996	6.907	7.107	435.620	500.000	-12.9
Aroclor-1260-5	7.239	7.150	7.350	454.500	500.000	-9.1
Decachlorobiphenyl	8.616	8.530	8.730	41.900	50.000	-16.2
Tetrachloro-m-xylene	3.624	3.531	3.731	45.450	50.000	-9.1

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CALIBRATION VERIFICATION SUMMARY

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

Continuing Calib Date: 11/06/2023 **Initial Calibration Date(s):** 10/27/2023 10/27/2023

Continuing Calib Time: 10:05 **Initial Calibration Time(s):** 11:03 18:24

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)	5.76	5.75	5.65	5.85	-0.01
Aroclor-1016-2	(2)	5.78	5.78	5.68	5.88	0.00
Aroclor-1016-3	(3)	5.84	5.84	5.74	5.94	0.00
Aroclor-1016-4	(4)	5.94	5.94	5.84	6.04	0.00
Aroclor-1016-5	(5)	6.24	6.24	6.14	6.34	0.00
Aroclor-1260-1	(1)	7.39	7.38	7.28	7.48	-0.01
Aroclor-1260-2	(2)	7.65	7.64	7.54	7.74	-0.01
Aroclor-1260-3	(3)	8.01	8.01	7.91	8.11	0.00
Aroclor-1260-4	(4)	8.24	8.24	8.14	8.34	0.00
Aroclor-1260-5	(5)	8.58	8.58	8.48	8.68	0.00
Tetrachloro-m-xylene		4.57	4.56	4.46	4.66	-0.01
Decachlorobiphenyl		10.55	10.54	10.44	10.64	-0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

Continuing Calib Date: 11/06/2023 **Initial Calibration Date(s):** 10/27/2023 10/27/2023

Continuing Calib Time: 10:05 **Initial Calibration Time(s):** 11:03 18:24

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)	4.80	4.79	4.69	4.89	-0.01
Aroclor-1016-2	(2)	4.82	4.81	4.71	4.91	-0.01
Aroclor-1016-3	(3)	4.99	4.99	4.89	5.09	0.00
Aroclor-1016-4	(4)	5.04	5.03	4.93	5.13	-0.01
Aroclor-1016-5	(5)	5.25	5.25	5.15	5.35	0.00
Aroclor-1260-1	(1)	6.30	6.29	6.19	6.39	-0.01
Aroclor-1260-2	(2)	6.48	6.48	6.38	6.58	0.00
Aroclor-1260-3	(3)	6.64	6.64	6.54	6.74	0.00
Aroclor-1260-4	(4)	7.11	7.11	7.01	7.21	0.00
Aroclor-1260-5	(5)	7.36	7.35	7.25	7.45	-0.01
Tetrachloro-m-xylene		3.70	3.69	3.59	3.79	-0.01
Decachlorobiphenyl		8.77	8.76	8.66	8.86	-0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/27/2023 10/27/2023

Client Sample No.: CCAL03 **Date Analyzed:** 11/06/2023

Lab Sample No.: AR1660CCC500 **Data File :** PP061440.D **Time Analyzed:** 10:05

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.758	5.652	5.852	533.060	500.000	6.6
Aroclor-1016-2	5.781	5.676	5.876	533.840	500.000	6.8
Aroclor-1016-3	5.844	5.739	5.939	529.500	500.000	5.9
Aroclor-1016-4	5.944	5.839	6.039	532.720	500.000	6.5
Aroclor-1016-5	6.244	6.139	6.339	547.570	500.000	9.5
Aroclor-1260-1	7.386	7.282	7.482	449.250	500.000	-10.2
Aroclor-1260-2	7.646	7.541	7.741	464.630	500.000	-7.1
Aroclor-1260-3	8.011	7.905	8.105	487.930	500.000	-2.4
Aroclor-1260-4	8.244	8.139	8.339	493.070	500.000	-1.4
Aroclor-1260-5	8.584	8.477	8.677	487.980	500.000	-2.4
Decachlorobiphenyl	10.547	10.436	10.636	46.450	50.000	-7.1
Tetrachloro-m-xylene	4.565	4.459	4.659	55.170	50.000	10.3

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CALIBRATION VERIFICATION SUMMARY

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/27/2023 10/27/2023

Client Sample No.: CCAL03 **Date Analyzed:** 11/06/2023

Lab Sample No.: AR1660CCC500 **Data File :** PP061440.D **Time Analyzed:** 10:05

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.797	4.694	4.894	515.070	500.000	3.0
Aroclor-1016-2	4.816	4.712	4.912	523.530	500.000	4.7
Aroclor-1016-3	4.994	4.890	5.090	524.040	500.000	4.8
Aroclor-1016-4	5.037	4.933	5.133	522.060	500.000	4.4
Aroclor-1016-5	5.252	5.148	5.348	511.460	500.000	2.3
Aroclor-1260-1	6.295	6.191	6.391	498.100	500.000	-0.4
Aroclor-1260-2	6.484	6.380	6.580	489.450	500.000	-2.1
Aroclor-1260-3	6.639	6.535	6.735	498.710	500.000	-0.3
Aroclor-1260-4	7.114	7.011	7.211	473.150	500.000	-5.4
Aroclor-1260-5	7.357	7.253	7.453	469.160	500.000	-6.2
Decachlorobiphenyl	8.769	8.664	8.864	42.330	50.000	-15.3
Tetrachloro-m-xylene	3.698	3.594	3.794	53.660	50.000	7.3

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CALIBRATION VERIFICATION SUMMARY

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

Continuing Calib Date: 11/06/2023 **Initial Calibration Date(s):** 10/27/2023 10/27/2023

Continuing Calib Time: 16:11 **Initial Calibration Time(s):** 11:03 18:24

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)	5.76	5.75	5.65	5.85	-0.01
Aroclor-1016-2	(2)	5.79	5.78	5.68	5.88	-0.01
Aroclor-1016-3	(3)	5.85	5.84	5.74	5.94	-0.01
Aroclor-1016-4	(4)	5.95	5.94	5.84	6.04	-0.01
Aroclor-1016-5	(5)	6.25	6.24	6.14	6.34	-0.01
Aroclor-1260-1	(1)	7.39	7.38	7.28	7.48	-0.01
Aroclor-1260-2	(2)	7.65	7.64	7.54	7.74	-0.01
Aroclor-1260-3	(3)	8.02	8.01	7.91	8.11	-0.01
Aroclor-1260-4	(4)	8.25	8.24	8.14	8.34	-0.01
Aroclor-1260-5	(5)	8.59	8.58	8.48	8.68	-0.01
Tetrachloro-m-xylene		4.57	4.56	4.46	4.66	-0.01
Decachlorobiphenyl		10.56	10.54	10.44	10.64	-0.02

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CALIBRATION VERIFICATION SUMMARY

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

Continuing Calib Date: 11/06/2023 **Initial Calibration Date(s):** 10/27/2023 10/27/2023

Continuing Calib Time: 16:11 **Initial Calibration Time(s):** 11:03 18:24

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)	4.80	4.79	4.69	4.89	-0.01
Aroclor-1016-2	(2)	4.82	4.81	4.71	4.91	-0.01
Aroclor-1016-3	(3)	5.00	4.99	4.89	5.09	-0.01
Aroclor-1016-4	(4)	5.04	5.03	4.93	5.13	-0.01
Aroclor-1016-5	(5)	5.26	5.25	5.15	5.35	-0.01
Aroclor-1260-1	(1)	6.30	6.29	6.19	6.39	-0.01
Aroclor-1260-2	(2)	6.49	6.48	6.38	6.58	-0.01
Aroclor-1260-3	(3)	6.65	6.64	6.54	6.74	-0.01
Aroclor-1260-4	(4)	7.12	7.11	7.01	7.21	-0.01
Aroclor-1260-5	(5)	7.36	7.35	7.25	7.45	-0.01
Tetrachloro-m-xylene		3.70	3.69	3.59	3.79	-0.01
Decachlorobiphenyl		8.78	8.76	8.66	8.86	-0.02

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CALIBRATION VERIFICATION SUMMARY

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/27/2023 10/27/2023

Client Sample No.: CCAL04 **Date Analyzed:** 11/06/2023

Lab Sample No.: AR1660CCC500 **Data File :** PP061455.D **Time Analyzed:** 16:11

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.763	5.652	5.852	523.540	500.000	4.7
Aroclor-1016-2	5.786	5.676	5.876	519.710	500.000	3.9
Aroclor-1016-3	5.849	5.739	5.939	511.240	500.000	2.2
Aroclor-1016-4	5.950	5.839	6.039	526.170	500.000	5.2
Aroclor-1016-5	6.250	6.139	6.339	533.090	500.000	6.6
Aroclor-1260-1	7.393	7.282	7.482	463.530	500.000	-7.3
Aroclor-1260-2	7.652	7.541	7.741	447.410	500.000	-10.5
Aroclor-1260-3	8.016	7.905	8.105	426.220	500.000	-14.8
Aroclor-1260-4	8.251	8.139	8.339	437.170	500.000	-12.6
Aroclor-1260-5	8.590	8.477	8.677	453.000	500.000	-9.4
Decachlorobiphenyl	10.560	10.436	10.636	44.990	50.000	-10.0
Tetrachloro-m-xylene	4.570	4.459	4.659	53.280	50.000	6.6

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CALIBRATION VERIFICATION SUMMARY

Contract: RMJE02

Lab Code: CHEM **Case No.:** O5252 **SAS No.:** O5252 **SDG NO.:** O5252

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/27/2023 10/27/2023

Client Sample No.: CCAL04 **Date Analyzed:** 11/06/2023

Lab Sample No.: AR1660CCC500 **Data File :** PP061455.D **Time Analyzed:** 16:11

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.803	4.694	4.894	520.420	500.000	4.1
Aroclor-1016-2	4.822	4.712	4.912	517.580	500.000	3.5
Aroclor-1016-3	5.000	4.890	5.090	524.980	500.000	5.0
Aroclor-1016-4	5.043	4.933	5.133	518.120	500.000	3.6
Aroclor-1016-5	5.258	5.148	5.348	507.640	500.000	1.5
Aroclor-1260-1	6.301	6.191	6.391	484.470	500.000	-3.1
Aroclor-1260-2	6.491	6.380	6.580	471.760	500.000	-5.6
Aroclor-1260-3	6.646	6.535	6.735	482.340	500.000	-3.5
Aroclor-1260-4	7.121	7.011	7.211	466.430	500.000	-6.7
Aroclor-1260-5	7.364	7.253	7.453	456.170	500.000	-8.8
Decachlorobiphenyl	8.778	8.664	8.864	40.720	50.000	-18.6
Tetrachloro-m-xylene	3.703	3.594	3.794	53.730	50.000	7.5

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Analytical Sequence

Client: RMJ Environomics, Inc. **SDG No.:** O5252

Project: 245 Greenwood Ave **Instrument ID:** ECD_O

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/24/2023 10/24/2023

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	10/24/2023	21:01	PO098875.D	10.28	4.48
AR1660ICC1000	AR1660ICC1000	10/24/2023	21:19	PO098876.D	10.28	4.48
AR1660ICC750	AR1660ICC750	10/24/2023	21:36	PO098877.D	10.28	4.48
AR1660ICC500	AR1660ICC500	10/24/2023	21:53	PO098878.D	10.28	4.48
AR1660ICC250	AR1660ICC250	10/24/2023	22:09	PO098879.D	10.28	4.48
AR1660ICC050	AR1660ICC050	10/24/2023	22:27	PO098880.D	10.28	4.48
AR1221ICC500	AR1221ICC500	10/24/2023	22:43	PO098881.D	10.28	4.48
AR1232ICC500	AR1232ICC500	10/24/2023	23:00	PO098882.D	10.28	4.48
AR1242ICC1000	AR1242ICC1000	10/24/2023	23:17	PO098883.D	10.28	4.48
AR1242ICC750	AR1242ICC750	10/24/2023	23:34	PO098884.D	10.28	4.48
AR1242ICC500	AR1242ICC500	10/24/2023	23:51	PO098885.D	10.28	4.48
AR1242ICC250	AR1242ICC250	10/25/2023	00:08	PO098886.D	10.28	4.48
AR1242ICC050	AR1242ICC050	10/25/2023	00:25	PO098887.D	10.28	4.48
AR1248ICC1000	AR1248ICC1000	10/25/2023	00:42	PO098888.D	10.28	4.48
AR1248ICC750	AR1248ICC750	10/25/2023	00:59	PO098889.D	10.28	4.48
AR1248ICC500	AR1248ICC500	10/25/2023	01:16	PO098890.D	10.28	4.48
AR1248ICC250	AR1248ICC250	10/25/2023	01:33	PO098891.D	10.28	4.48
AR1248ICC050	AR1248ICC050	10/25/2023	01:50	PO098892.D	10.28	4.48
AR1254ICC1000	AR1254ICC1000	10/25/2023	02:07	PO098893.D	10.28	4.48
AR1254ICC750	AR1254ICC750	10/25/2023	02:24	PO098894.D	10.28	4.48
AR1254ICC500	AR1254ICC500	10/25/2023	02:41	PO098895.D	10.28	4.48
AR1254ICC250	AR1254ICC250	10/25/2023	02:58	PO098896.D	10.28	4.48
AR1254ICC050	AR1254ICC050	10/25/2023	03:15	PO098897.D	10.28	4.48
AR1262ICC500	AR1262ICC500	10/25/2023	03:32	PO098898.D	10.28	4.48
AR1268ICC1000	AR1268ICC1000	10/25/2023	03:49	PO098899.D	10.28	4.48
AR1268ICC750	AR1268ICC750	10/25/2023	04:06	PO098900.D	10.28	4.48
AR1268ICC500	AR1268ICC500	10/25/2023	04:22	PO098901.D	10.28	4.48
AR1268ICC250	AR1268ICC250	10/25/2023	04:39	PO098902.D	10.28	4.48
AR1268ICC050	AR1268ICC050	10/25/2023	04:56	PO098903.D	10.28	4.48
AR1660CCC500	AR1660CCC500	11/07/2023	09:20	PO099451.D	10.27	4.47
I.BLK	I.BLK	11/07/2023	09:36	PO099452.D	10.26	4.47
P001-WC01-01MS	O5255-02MS	11/07/2023	11:01	PO099457.D	10.26	4.47
P001-WC01-01MSD	O5255-03MSD	11/07/2023	11:18	PO099458.D	10.27	4.47
AR1660CCC500	AR1660CCC500	11/07/2023	13:17	PO099463.D	10.27	4.47
I.BLK	I.BLK	11/07/2023	13:34	PO099464.D	10.27	4.47
I.BLK	I.BLK	10/27/2023	10:47	PP061281.D	10.54	4.56
AR1660ICC1000	AR1660ICC1000	10/27/2023	11:03	PP061282.D	10.54	4.56
AR1660ICC750	AR1660ICC750	10/27/2023	11:20	PP061283.D	10.54	4.56
AR1660ICC500	AR1660ICC500	10/27/2023	11:36	PP061284.D	10.54	4.56
AR1660ICC250	AR1660ICC250	10/27/2023	11:52	PP061285.D	10.54	4.56
AR1660ICC050	AR1660ICC050	10/27/2023	12:08	PP061286.D	10.54	4.56
AR1221ICC500	AR1221ICC500	10/27/2023	12:25	PP061287.D	10.53	4.56
AR1232ICC500	AR1232ICC500	10/27/2023	12:41	PP061288.D	10.54	4.56
AR1242ICC1000	AR1242ICC1000	10/27/2023	12:57	PP061289.D	10.55	4.56
AR1242ICC750	AR1242ICC750	10/27/2023	13:13	PP061290.D	10.55	4.56

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Analytical Sequence

AR1242ICC500	AR1242ICC500	10/27/2023	13:30	PP061291.D	10.54	4.56
AR1242ICC250	AR1242ICC250	10/27/2023	13:46	PP061292.D	10.54	4.56
AR1242ICC050	AR1242ICC050	10/27/2023	14:02	PP061293.D	10.54	4.56
AR1248ICC1000	AR1248ICC1000	10/27/2023	14:19	PP061294.D	10.53	4.56
AR1248ICC750	AR1248ICC750	10/27/2023	14:35	PP061295.D	10.53	4.56
AR1248ICC500	AR1248ICC500	10/27/2023	14:51	PP061296.D	10.54	4.56
AR1248ICC250	AR1248ICC250	10/27/2023	15:08	PP061297.D	10.54	4.56
AR1248ICC050	AR1248ICC050	10/27/2023	15:24	PP061298.D	10.54	4.56
AR1254ICC1000	AR1254ICC1000	10/27/2023	15:40	PP061299.D	10.53	4.56
AR1254ICC750	AR1254ICC750	10/27/2023	15:57	PP061300.D	10.53	4.56
AR1254ICC500	AR1254ICC500	10/27/2023	16:13	PP061301.D	10.53	4.56
AR1254ICC250	AR1254ICC250	10/27/2023	16:30	PP061302.D	10.53	4.56
AR1254ICC050	AR1254ICC050	10/27/2023	16:46	PP061303.D	10.53	4.56
AR1262ICC500	AR1262ICC500	10/27/2023	17:02	PP061304.D	10.53	4.56
AR1268ICC1000	AR1268ICC1000	10/27/2023	17:19	PP061305.D	10.53	4.56
AR1268ICC750	AR1268ICC750	10/27/2023	17:35	PP061306.D	10.53	4.56
AR1268ICC500	AR1268ICC500	10/27/2023	17:51	PP061307.D	10.53	4.56
AR1268ICC250	AR1268ICC250	10/27/2023	18:08	PP061308.D	10.52	4.56
AR1268ICC050	AR1268ICC050	10/27/2023	18:24	PP061309.D	10.53	4.56
AR1660CCC500	AR1660CCC500	11/06/2023	10:05	PP061440.D	10.55	4.57
I.BLK	I.BLK	11/06/2023	11:17	PP061444.D	10.56	4.57
PB156919BL	PB156919BL	11/06/2023	13:28	PP061445.D	10.56	4.57
PB156919BS	PB156919BS	11/06/2023	13:44	PP061446.D	10.55	4.57
WASTE	O5252-01	11/06/2023	14:00	PP061447.D	10.55	4.57
AR1660CCC500	AR1660CCC500	11/06/2023	16:11	PP061455.D	10.56	4.57
I.BLK	I.BLK	11/06/2023	17:17	PP061459.D	10.56	4.57

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Analytical Sequence

Client: RMJ Environomics, Inc. **SDG No.:** O5252

Project: 245 Greenwood Ave **Instrument ID:** ECD_O

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/24/2023 10/24/2023

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	10/24/2023	21:01	PO098875.D	8.63	3.63
AR1660ICC1000	AR1660ICC1000	10/24/2023	21:19	PO098876.D	8.63	3.63
AR1660ICC750	AR1660ICC750	10/24/2023	21:36	PO098877.D	8.63	3.63
AR1660ICC500	AR1660ICC500	10/24/2023	21:53	PO098878.D	8.63	3.63
AR1660ICC250	AR1660ICC250	10/24/2023	22:09	PO098879.D	8.63	3.63
AR1660ICC050	AR1660ICC050	10/24/2023	22:27	PO098880.D	8.63	3.63
AR1221ICC500	AR1221ICC500	10/24/2023	22:43	PO098881.D	8.63	3.63
AR1232ICC500	AR1232ICC500	10/24/2023	23:00	PO098882.D	8.63	3.63
AR1242ICC1000	AR1242ICC1000	10/24/2023	23:17	PO098883.D	8.63	3.63
AR1242ICC750	AR1242ICC750	10/24/2023	23:34	PO098884.D	8.63	3.63
AR1242ICC500	AR1242ICC500	10/24/2023	23:51	PO098885.D	8.63	3.63
AR1242ICC250	AR1242ICC250	10/25/2023	00:08	PO098886.D	8.63	3.63
AR1242ICC050	AR1242ICC050	10/25/2023	00:25	PO098887.D	8.63	3.63
AR1248ICC1000	AR1248ICC1000	10/25/2023	00:42	PO098888.D	8.63	3.63
AR1248ICC750	AR1248ICC750	10/25/2023	00:59	PO098889.D	8.63	3.63
AR1248ICC500	AR1248ICC500	10/25/2023	01:16	PO098890.D	8.63	3.63
AR1248ICC250	AR1248ICC250	10/25/2023	01:33	PO098891.D	8.63	3.63
AR1248ICC050	AR1248ICC050	10/25/2023	01:50	PO098892.D	8.63	3.63
AR1254ICC1000	AR1254ICC1000	10/25/2023	02:07	PO098893.D	8.63	3.63
AR1254ICC750	AR1254ICC750	10/25/2023	02:24	PO098894.D	8.63	3.63
AR1254ICC500	AR1254ICC500	10/25/2023	02:41	PO098895.D	8.63	3.63
AR1254ICC250	AR1254ICC250	10/25/2023	02:58	PO098896.D	8.63	3.63
AR1254ICC050	AR1254ICC050	10/25/2023	03:15	PO098897.D	8.63	3.63
AR1262ICC500	AR1262ICC500	10/25/2023	03:32	PO098898.D	8.63	3.63
AR1268ICC1000	AR1268ICC1000	10/25/2023	03:49	PO098899.D	8.63	3.63
AR1268ICC750	AR1268ICC750	10/25/2023	04:06	PO098900.D	8.63	3.63
AR1268ICC500	AR1268ICC500	10/25/2023	04:22	PO098901.D	8.63	3.63
AR1268ICC250	AR1268ICC250	10/25/2023	04:39	PO098902.D	8.63	3.63
AR1268ICC050	AR1268ICC050	10/25/2023	04:56	PO098903.D	8.63	3.63
AR1660CCC500	AR1660CCC500	11/07/2023	09:20	PO099451.D	8.62	3.62
I.BLK	I.BLK	11/07/2023	09:36	PO099452.D	8.61	3.62
P001-WC01-01MS	O5255-02MS	11/07/2023	11:01	PO099457.D	8.62	3.63
P001-WC01-01MSD	O5255-03MSD	11/07/2023	11:18	PO099458.D	8.62	3.63
AR1660CCC500	AR1660CCC500	11/07/2023	13:17	PO099463.D	8.62	3.62
I.BLK	I.BLK	11/07/2023	13:34	PO099464.D	8.62	3.62
I.BLK	I.BLK	10/27/2023	10:47	PP061281.D	8.77	3.70
AR1660ICC1000	AR1660ICC1000	10/27/2023	11:03	PP061282.D	8.77	3.70
AR1660ICC750	AR1660ICC750	10/27/2023	11:20	PP061283.D	8.77	3.70
AR1660ICC500	AR1660ICC500	10/27/2023	11:36	PP061284.D	8.76	3.69
AR1660ICC250	AR1660ICC250	10/27/2023	11:52	PP061285.D	8.77	3.70
AR1660ICC050	AR1660ICC050	10/27/2023	12:08	PP061286.D	8.77	3.69
AR1221ICC500	AR1221ICC500	10/27/2023	12:25	PP061287.D	8.77	3.69
AR1232ICC500	AR1232ICC500	10/27/2023	12:41	PP061288.D	8.77	3.70
AR1242ICC1000	AR1242ICC1000	10/27/2023	12:57	PP061289.D	8.77	3.70
AR1242ICC750	AR1242ICC750	10/27/2023	13:13	PP061290.D	8.77	3.70

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Analytical Sequence

AR1242ICC500	AR1242ICC500	10/27/2023	13:30	PP061291.D	8.77	3.70
AR1242ICC250	AR1242ICC250	10/27/2023	13:46	PP061292.D	8.77	3.69
AR1242ICC050	AR1242ICC050	10/27/2023	14:02	PP061293.D	8.77	3.69
AR1248ICC1000	AR1248ICC1000	10/27/2023	14:19	PP061294.D	8.76	3.69
AR1248ICC750	AR1248ICC750	10/27/2023	14:35	PP061295.D	8.76	3.69
AR1248ICC500	AR1248ICC500	10/27/2023	14:51	PP061296.D	8.76	3.69
AR1248ICC250	AR1248ICC250	10/27/2023	15:08	PP061297.D	8.76	3.69
AR1248ICC050	AR1248ICC050	10/27/2023	15:24	PP061298.D	8.76	3.69
AR1254ICC1000	AR1254ICC1000	10/27/2023	15:40	PP061299.D	8.76	3.69
AR1254ICC750	AR1254ICC750	10/27/2023	15:57	PP061300.D	8.76	3.69
AR1254ICC500	AR1254ICC500	10/27/2023	16:13	PP061301.D	8.76	3.69
AR1254ICC250	AR1254ICC250	10/27/2023	16:30	PP061302.D	8.76	3.69
AR1254ICC050	AR1254ICC050	10/27/2023	16:46	PP061303.D	8.76	3.69
AR1262ICC500	AR1262ICC500	10/27/2023	17:02	PP061304.D	8.76	3.69
AR1268ICC1000	AR1268ICC1000	10/27/2023	17:19	PP061305.D	8.76	3.69
AR1268ICC750	AR1268ICC750	10/27/2023	17:35	PP061306.D	8.76	3.69
AR1268ICC500	AR1268ICC500	10/27/2023	17:51	PP061307.D	8.76	3.69
AR1268ICC250	AR1268ICC250	10/27/2023	18:08	PP061308.D	8.76	3.69
AR1268ICC050	AR1268ICC050	10/27/2023	18:24	PP061309.D	8.76	3.69
AR1660CCC500	AR1660CCC500	11/06/2023	10:05	PP061440.D	8.77	3.70
I.BLK	I.BLK	11/06/2023	11:17	PP061444.D	8.77	3.70
PB156919BL	PB156919BL	11/06/2023	13:28	PP061445.D	8.77	3.70
PB156919BS	PB156919BS	11/06/2023	13:44	PP061446.D	8.77	3.70
WASTE	O5252-01	11/06/2023	14:00	PP061447.D	8.77	3.70
AR1660CCC500	AR1660CCC500	11/06/2023	16:11	PP061455.D	8.78	3.70
I.BLK	I.BLK	11/06/2023	17:17	PP061459.D	8.78	3.70

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.: P001-WC01-01MS

Contract: RMJE02

Lab Code: CHEM Case No.: 05252 SAS No.: 05252 SDG NO.: 05252

Lab Sample ID: 05255-02MS Date(s) Analyzed: 11/07/2023 11/07/2023

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 PO099457.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.641	5.591	5.691	1200		
	2	5.665	5.615	5.715	985		
	3	5.727	5.677	5.777	1030		
COLUMN 1	4	5.827	5.777	5.877	800		
	5	6.122	6.072	6.172	1730	1200	
	1	4.705	4.655	4.755	827		
	2	4.723	4.673	4.773	941		
	3	4.901	4.851	4.951	1090		
	4	4.942	4.892	4.992	2310		
COLUMN 2	5	5.153	5.103	5.203	1540	1300	8
Aroclor-1254	1	6.501	6.451	6.551	2530		
	2	6.722	6.672	6.772	3290		
	3	7.091	7.041	7.141	4200		
COLUMN 1	4	7.373	7.323	7.423	2690		
	5	7.792	7.742	7.842	6180	3800	
	1	5.506	5.456	5.556	2160		
	2	5.658	5.608	5.708	2420		
	3	6.058	6.008	6.108	1920		
	4	6.284	6.234	6.334	2010		
COLUMN 2	5	6.7	6.65	6.75	5140	2700	33.85

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IDENTIFICATION SUMMARY

FOR MULTICOMPONENT ANALYTES

Aroclor-1260	1	7.251	7.201	7.301	3010		
	2	7.502	7.452	7.552	9670		
	3	7.868	7.818	7.918	2670		
COLUMN 1	4	8.095	8.045	8.145	3860		
	5	8.419	8.369	8.469	3590	4600	
	1	6.185	6.135	6.235	2870		
	2	6.373	6.323	6.423	2850		
	3	6.526	6.476	6.576	2810		
	4	6.997	6.947	7.047	1880		
COLUMN 2	5	7.24	7.19	7.29	2610	2600	55.56

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
P001-WC01-01MSD

Contract: RMJE02

Lab Code: CHEM Case No.: 05252 SAS No.: 05252 SDG NO.: 05252

Lab Sample ID: 05255-03MSD Date(s) Analyzed: 11/07/2023 11/07/2023

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 PO099458.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.64	5.59	5.69	1190		
	2	5.664	5.614	5.714	1030		
	3	5.728	5.678	5.778	1400		
COLUMN 1	4	5.826	5.776	5.876	773		
	5	6.121	6.071	6.171	1710	1200	
	1	4.704	4.654	4.754	761		
	2	4.722	4.672	4.772	860		
	3	4.9	4.85	4.95	1090		
COLUMN 2	4	4.942	4.892	4.992	2290		
	5	5.153	5.103	5.203	1540	1300	8
Aroclor-1254	1	6.5	6.45	6.55	2450		
	2	6.721	6.671	6.771	3210		
	3	7.09	7.04	7.14	4060		
COLUMN 1	4	7.372	7.322	7.422	2590		
	5	7.791	7.741	7.841	5990	3700	
	1	5.505	5.455	5.555	2150		
	2	5.657	5.607	5.707	2400		
	3	6.056	6.006	6.106	1900		
COLUMN 2	4	6.283	6.233	6.333	2150		
	5	6.699	6.649	6.749	5060	2700	31.25
Aroclor-1260	1	7.251	7.201	7.301	2930		
	2	7.502	7.452	7.552	9390		
	3	7.868	7.818	7.918	2590		
COLUMN 1	4	8.095	8.045	8.145	3730		
	5	8.419	8.369	8.469	3520	4400	
	1	6.184	6.134	6.234	2910		
	2	6.373	6.323	6.423	2830		
	3	6.525	6.475	6.575	2760		
COLUMN 2	4	6.997	6.947	7.047	1840		
	5	7.24	7.19	7.29	2530	2600	51.43

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.: PB156919BS

Contract: RMJE02

Lab Code: CHEM Case No.: 05252 SAS No.: 05252 SDG NO.: 05252

Lab Sample ID: PB156919BS Date(s) Analyzed: 11/06/2023 11/06/2023

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 PP061446.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.758	5.708	5.808	176		
	2	5.782	5.732	5.832	175		
	3	5.845	5.795	5.895	175		
COLUMN 1	4	5.945	5.895	5.995	176		
	5	6.244	6.194	6.294	180	176	
	1	4.797	4.747	4.847	170		
	2	4.816	4.766	4.866	169		
	3	4.994	4.944	5.044	170		
	4	5.037	4.987	5.087	170		
COLUMN 2	5	5.252	5.202	5.302	165	169	4.06
Aroclor-1260	1	7.387	7.337	7.437	157		
	2	7.647	7.597	7.697	154		
	3	8.011	7.961	8.061	149		
COLUMN 1	4	8.246	8.196	8.296	155		
	5	8.585	8.535	8.635	155	154	
	1	6.295	6.245	6.345	161		
	2	6.485	6.435	6.535	157		
	3	6.639	6.589	6.689	161		
	4	7.115	7.065	7.165	154		
COLUMN 2	5	7.358	7.308	7.408	150	157	1.93

CHEMTECH

SAMPLE RAW DATA

Sample Results: **PP061447.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110623\
Data File : PP061447.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2023 14:00
Operator : YP\AJ
Sample : 05252-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
WASTE

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/07/2023
Supervised By :Ankita Jodhani 11/07/2023

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 23:10:50 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102723.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 27 18:44:48 2023
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...	4.567	3.700	47143685	30302445	19.085	20.276
2)	SA Decachlor...	10.554	8.773	33331342	25303591	17.676m	16.477m
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110623\
Data File : PP061447.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2023 14:00
Operator : YP\AJ
Sample : 05252-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

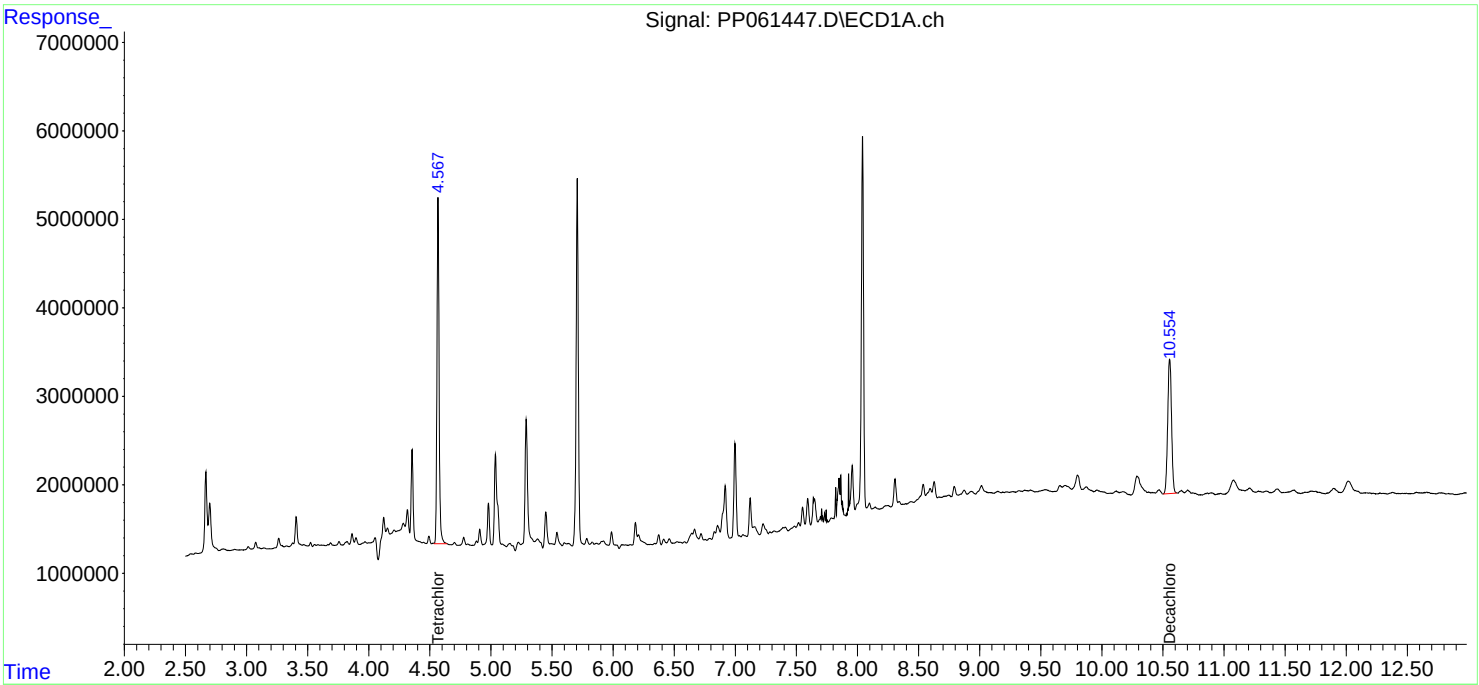
Instrument :
ECD_P
ClientSampleId :
WASTE

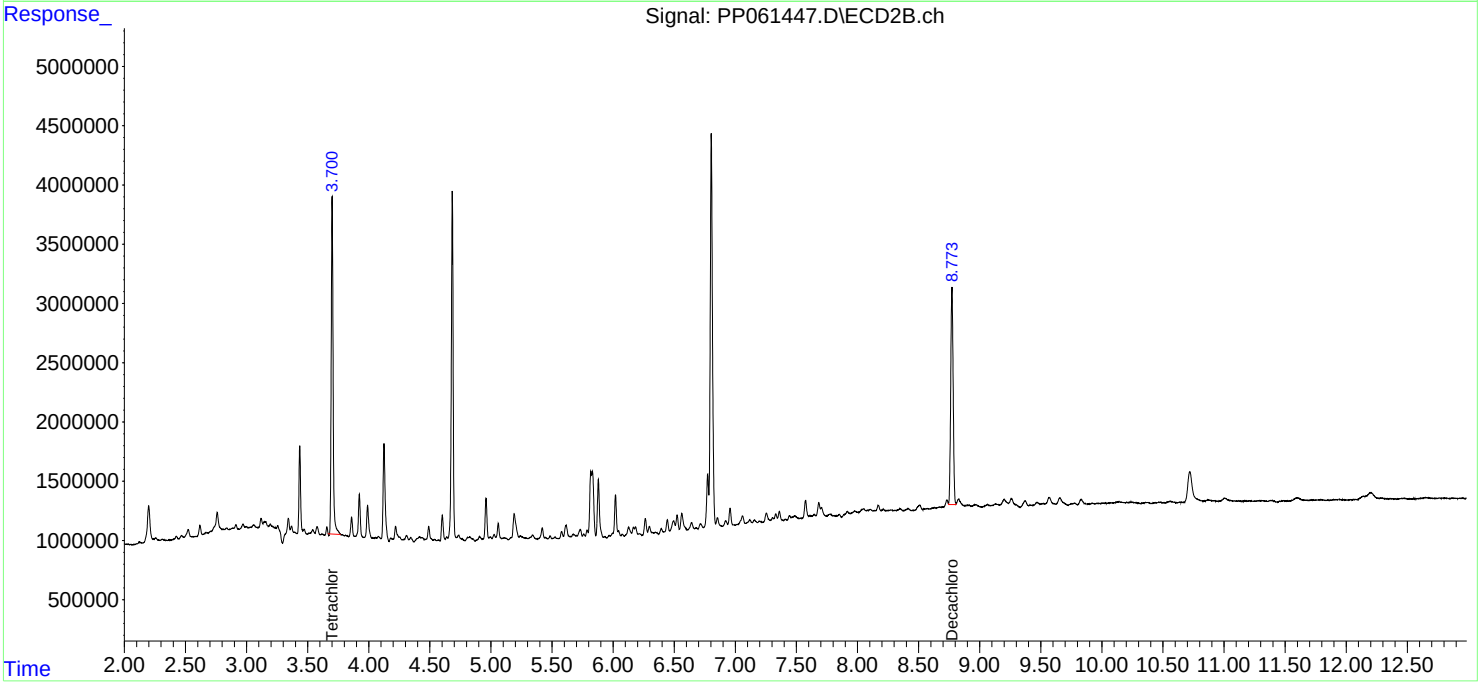
Manual Integrations APPROVED

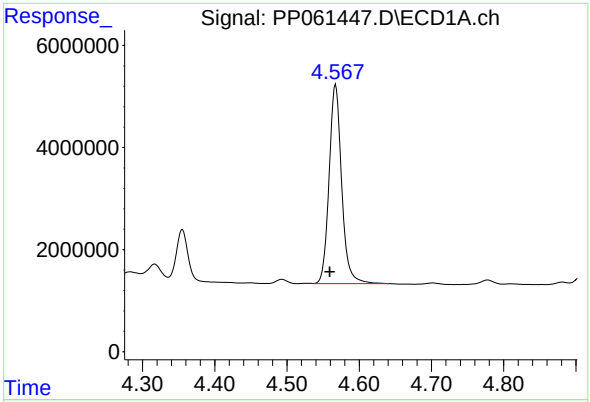
Reviewed By :Yogesh Patel 11/07/2023
Supervised By :Ankita Jodhani 11/07/2023

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 23:10:50 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102723.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 27 18:44:48 2023
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







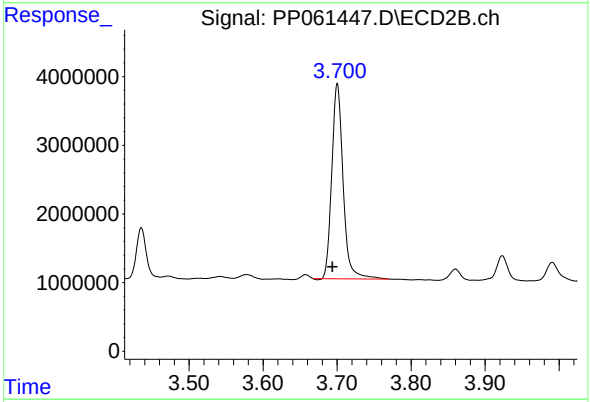
#1 Tetrachloro-m-xylene

R.T.: 4.567 min
Delta R.T.: 0.008 min
Response: 47143685
Conc: 19.09 ng/ml

Instrument :
ECD_P
ClientSampleId :
WASTE

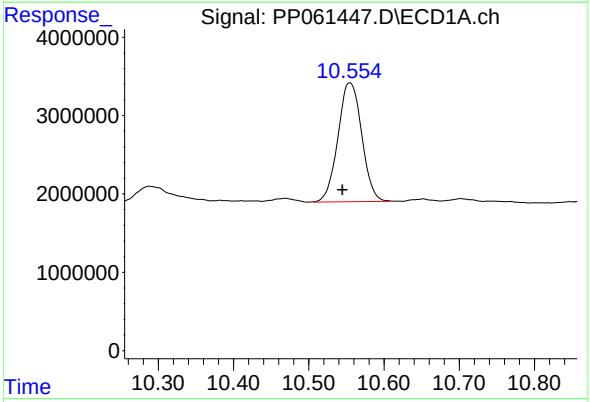
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/07/2023
Supervised By :Ankita Jodhani 11/07/2023



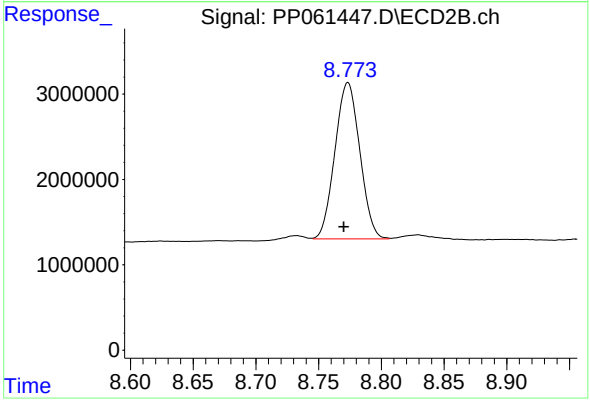
#1 Tetrachloro-m-xylene

R.T.: 3.700 min
Delta R.T.: 0.007 min
Response: 30302445
Conc: 20.28 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.554 min
Delta R.T.: 0.009 min
Response: 33331342
Conc: 17.68 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.773 min
Delta R.T.: 0.003 min
Response: 25303591
Conc: 16.48 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110623\
Data File : PP061445.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2023 13:28
Operator : YP\AJ
Sample : PB156919BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB156919BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 23:10:06 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102723.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 27 18:44:48 2023
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...	4.567	3.699	54190472	34769054	21.938	23.265
2)	SA Decachlor...	10.555	8.771	38198843	30023400	20.257	19.550
	Target Compounds						

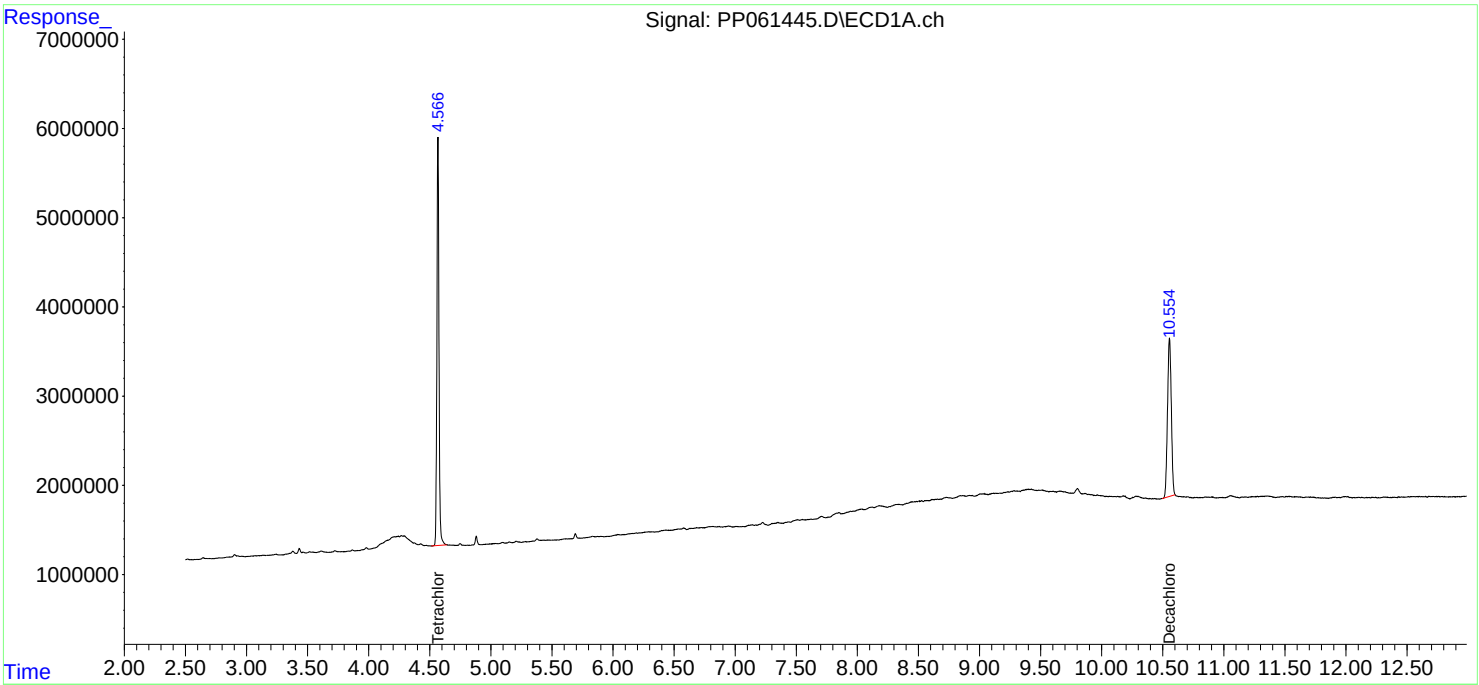
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

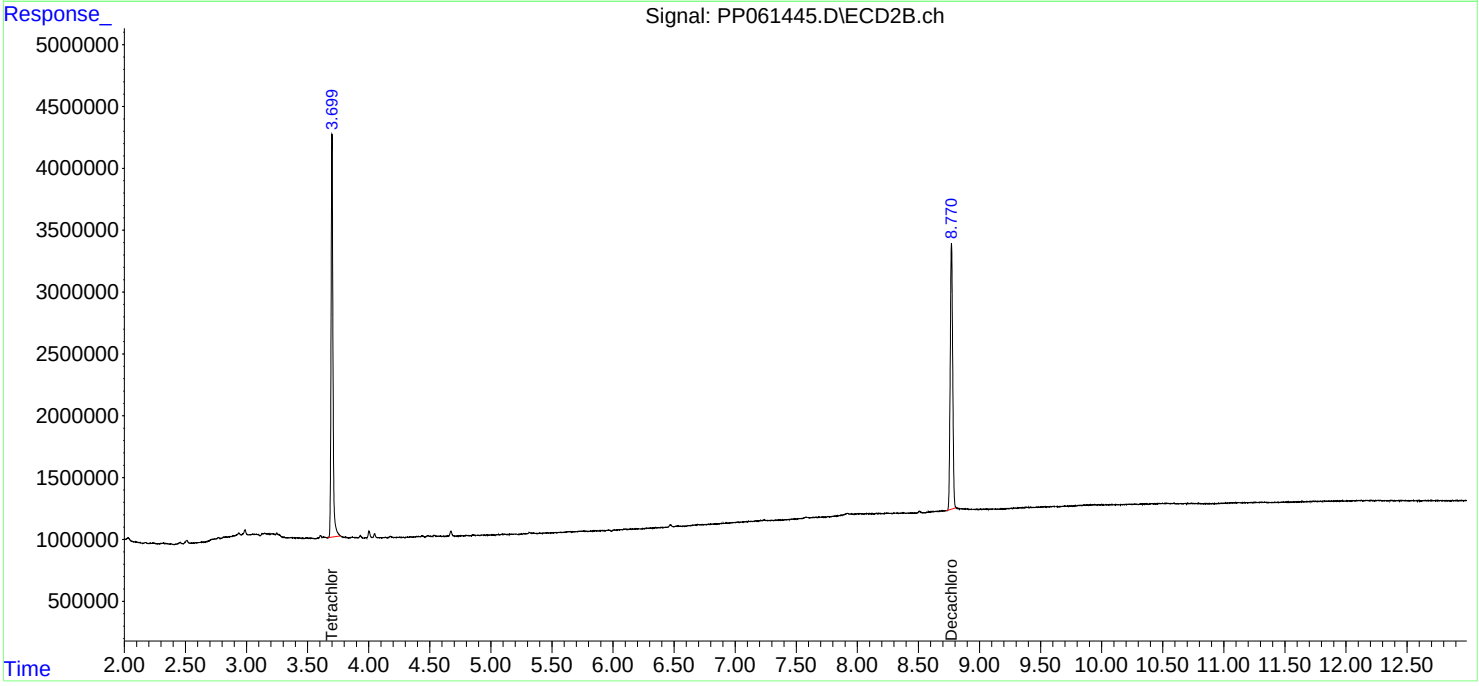
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110623\
Data File : PP061445.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2023 13:28
Operator : YP\AJ
Sample : PB156919BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

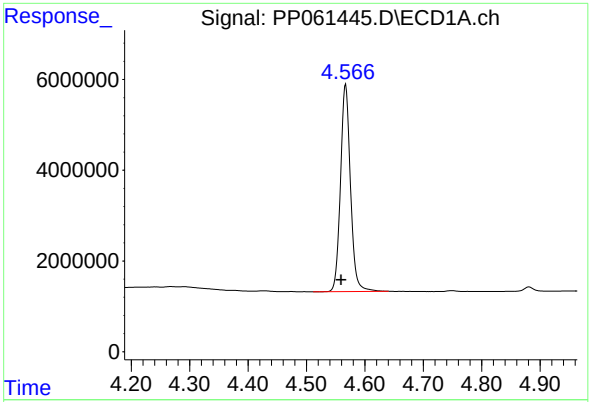
Instrument :
ECD_P
ClientSampleId :
PB156919BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 23:10:06 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102723.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 27 18:44:48 2023
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



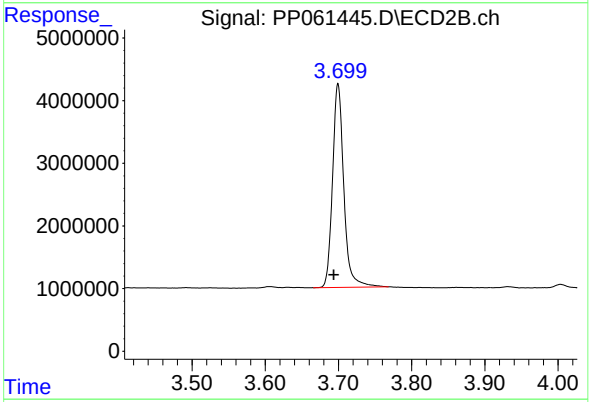




#1 Tetrachloro-m-xylene

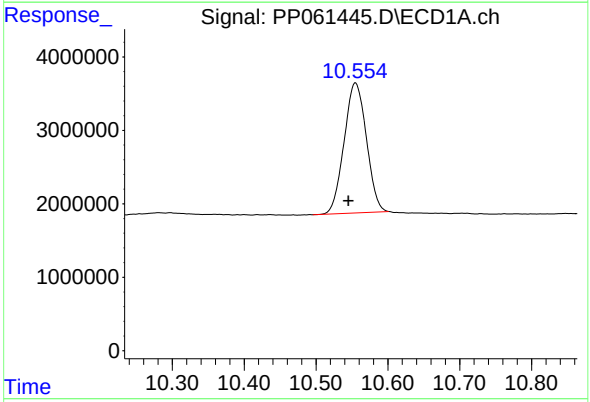
R.T.: 4.567 min
Delta R.T.: 0.008 min
Response: 54190472
Conc: 21.94 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB156919BL



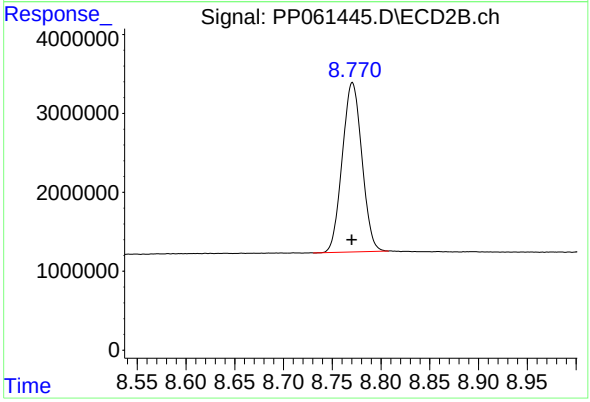
#1 Tetrachloro-m-xylene

R.T.: 3.699 min
Delta R.T.: 0.006 min
Response: 34769054
Conc: 23.26 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.555 min
Delta R.T.: 0.010 min
Response: 38198843
Conc: 20.26 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.771 min
Delta R.T.: 0.000 min
Response: 30023400
Conc: 19.55 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110623\
Data File : PP061446.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2023 13:44
Operator : YP\AJ
Sample : PB156919BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB156919BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 23:10:23 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102723.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 27 18:44:48 2023
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...	4.565	3.699	57209883	34576619	23.160	23.136
2)	SA Decachlor...	10.552	8.770	39941832	31251123	21.181	20.350
	Target Compounds						
3)	L1 AR-1016-1	5.758	4.797	43045469	26390275	528.953	509.914
4)	L1 AR-1016-2	5.782	4.816	60955588	35802023	524.185	506.213
5)	L1 AR-1016-3	5.845	4.994	37172873	20069591	525.660	508.713
6)	L1 AR-1016-4	5.945	5.037	30781916	16008200	527.345	508.900
7)	L1 AR-1016-5	6.244	5.252	30928262	20809697	538.730	495.017
31)	L7 AR-1260-1	7.387	6.295	52919083	39417774	470.419	484.461
32)	L7 AR-1260-2	7.647	6.485	59600011	46039062	460.691	472.048
33)	L7 AR-1260-3	8.011	6.639	38099261	44754469	448.592	483.577
34)	L7 AR-1260-4	8.246	7.115	47032046	33856036	465.296	461.730
35)	L7 AR-1260-5	8.585	7.358	90177204	76968273	465.594	450.736

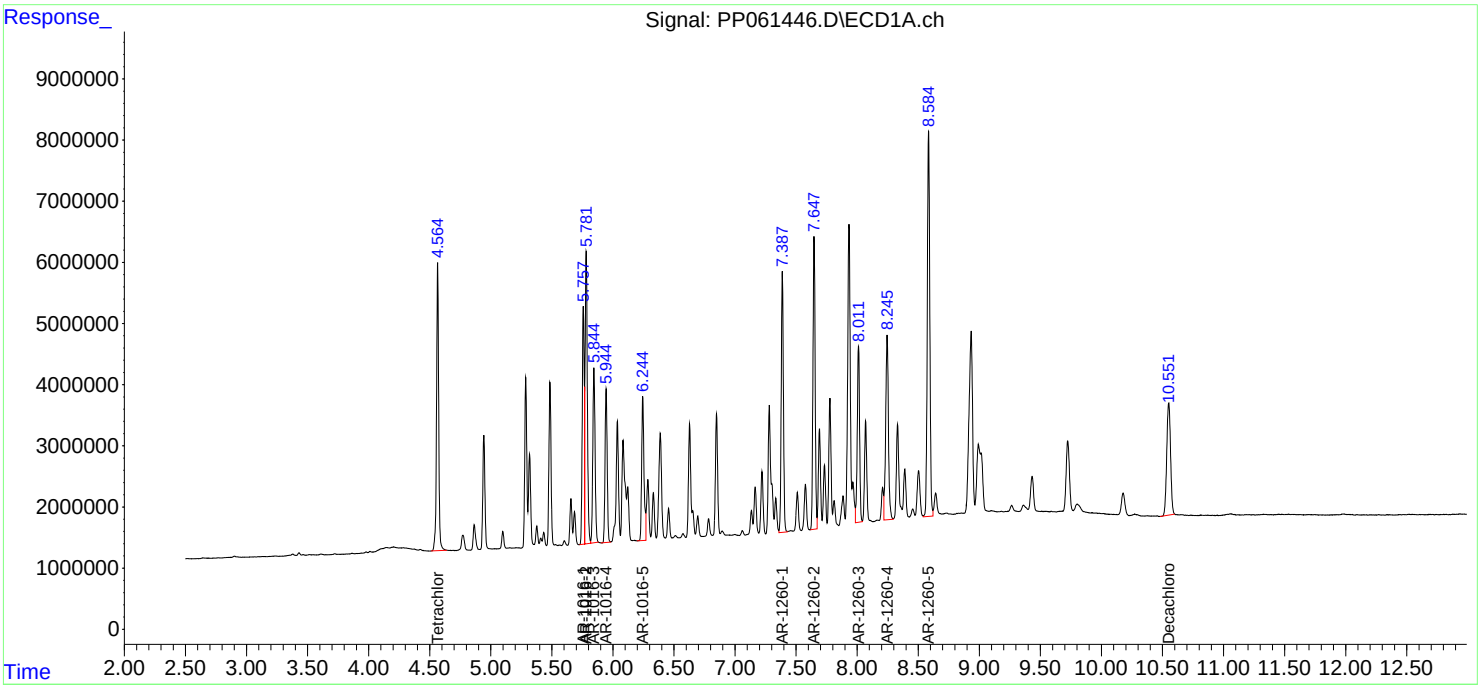
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

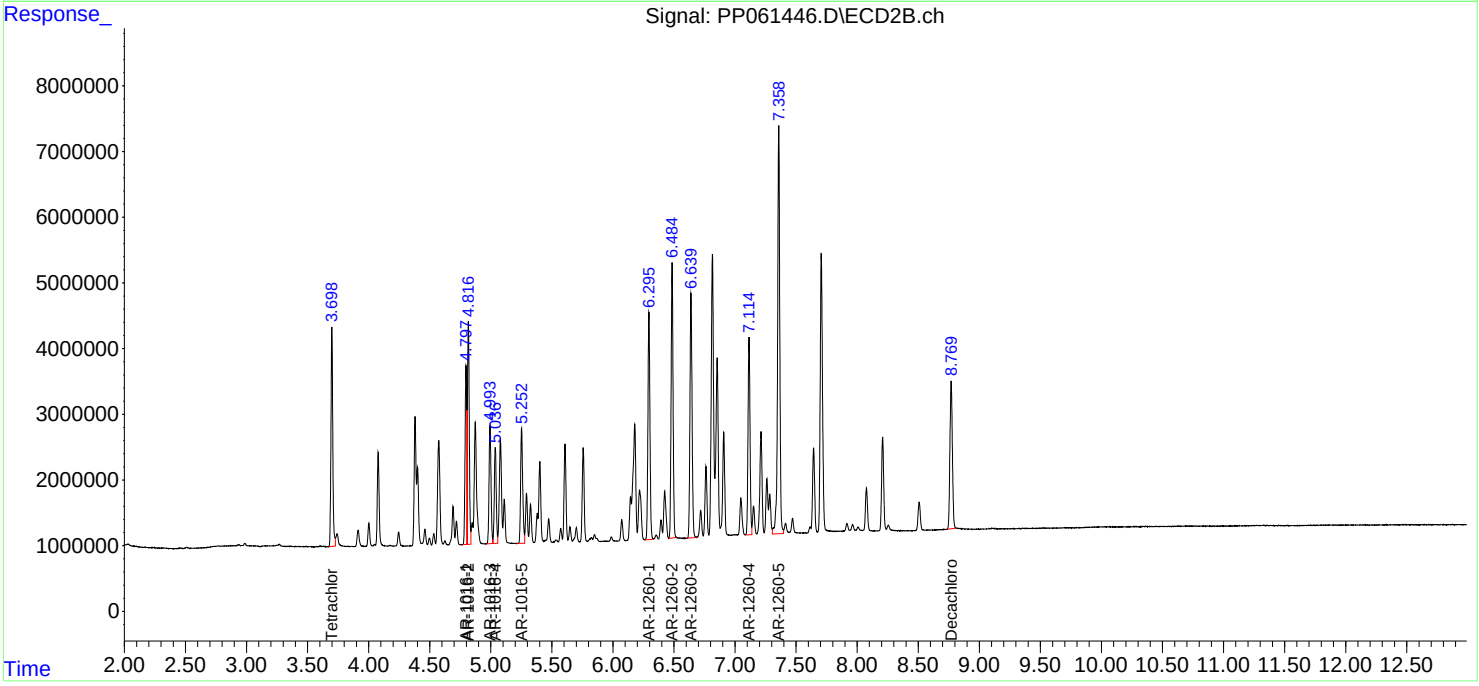
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP110623\
Data File : PP061446.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2023 13:44
Operator : YP\AJ
Sample : PB156919BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB156919BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 23:10:23 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102723.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 27 18:44:48 2023
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\PO110723\
Data File : PO099457.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2023 11:01
Operator : YP/AJ
Sample : 05255-02MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
P001-WC01-01MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/08/2023
Supervised By :Ankita Jodhani 11/08/2023

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 22:05:24 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO102523.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 25 06:04:36 2023
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...	4.469	3.628	17905310	9016724	9.062m	12.529	#
2)	SA Decachlor...	10.264	8.618	34820399	11845444	30.736	22.078	#
	Target Compounds							
3)	L1 AR-1016-1	5.641	4.705	56889728	15880863	1033.113	709.159m	#
4)	L1 AR-1016-2	5.665	4.723	69902282	25232869	845.355	807.280m	
5)	L1 AR-1016-3	5.727	4.901	45705208	15823852	887.960	934.510	
6)	L1 AR-1016-4	5.827	4.942	27892326	28697347	686.269	1984.912	#
7)	L1 AR-1016-5	6.122	5.153	63033186	24756790	1485.121	1325.177	
26)	L6 AR-1254-1	6.501	5.506	142.9E6	65598644	2170.916	1851.325	
27)	L6 AR-1254-2	6.722	5.658	271.8E6	66297296	2823.174	2072.801	#
28)	L6 AR-1254-3	7.091	6.058	322.0E6	80430862	3602.025	1645.224	#
29)	L6 AR-1254-4	7.373	6.284	126.4E6	45189427	2307.704	1724.338	#
30)	L6 AR-1254-5	7.792	6.700	356.8E6	185.9E6	5298.578	4411.099	
31)	L7 AR-1260-1	7.251	6.185	184.8E6	86864625	2579.139	2462.470	
32)	L7 AR-1260-2	7.502	6.373	654.4E6	98005720	8294.793	2444.858	#
33)	L7 AR-1260-3	7.868	6.526	125.1E6	91314000	2290.497	2414.892	
34)	L7 AR-1260-4	8.095	6.997	207.6E6	46606675	3313.476	1612.884	#
35)	L7 AR-1260-5	8.419	7.240	329.5E6	134.6E6	3078.558	2236.882	#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110723\
Data File : PO099457.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2023 11:01
Operator : YP/AJ
Sample : 05255-02MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

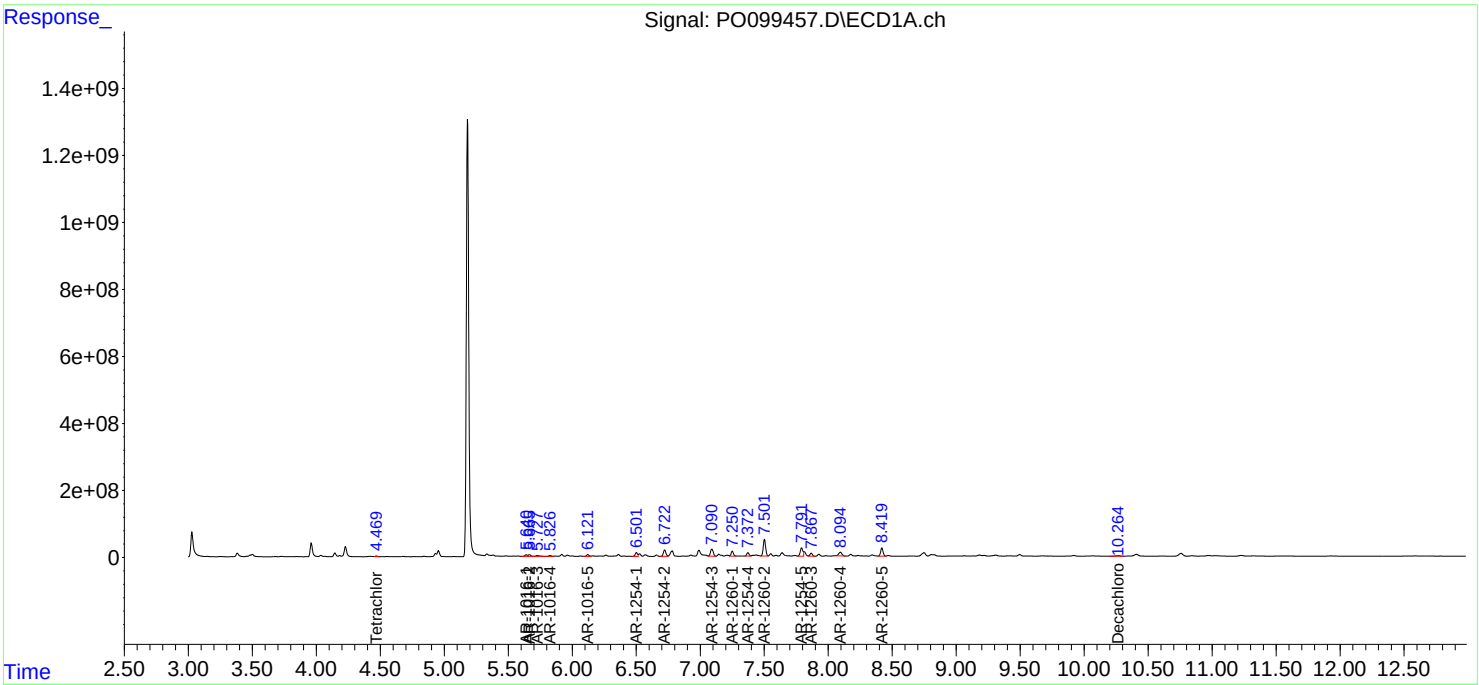
Instrument :
ECD_O
ClientSampleId :
P001-WC01-01MS

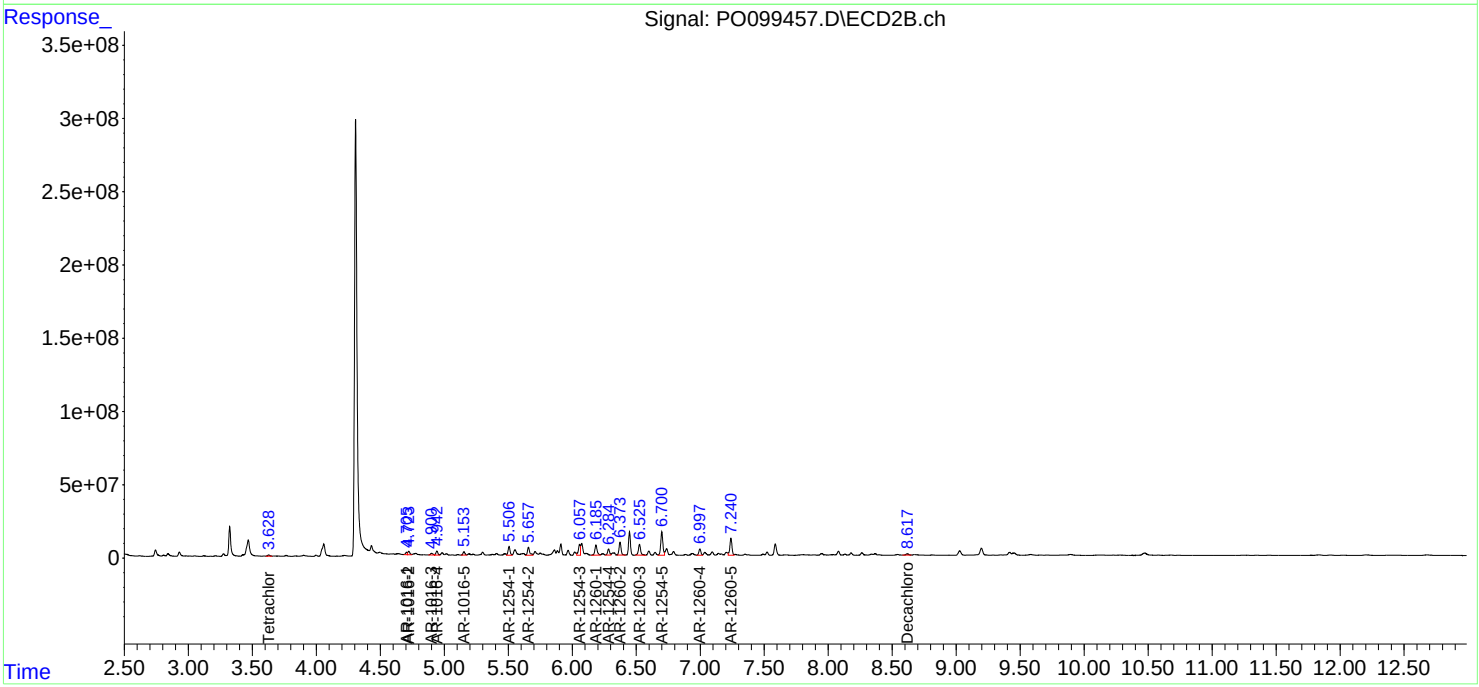
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/08/2023
Supervised By :Ankita Jodhani 11/08/2023

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 22:05:24 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO102523.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 25 06:04:36 2023
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\PO110723\
Data File : PO099458.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2023 11:18
Operator : YP/AJ
Sample : 05255-03MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
P001-WC01-01MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/08/2023
Supervised By :Ankita Jodhani 11/08/2023

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 22:05:41 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO102523.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 25 06:04:36 2023
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...	4.468	3.627	15891137	9189959	8.042m	12.770 #
2)	SA Decachlor...	10.265	8.617	32749704	11854376	28.909	22.094
	Target Compounds						
3)	L1 AR-1016-1	5.640	4.704	56522808	14658007	1026.449	654.552m#
4)	L1 AR-1016-2	5.664	4.722	73390628	23113821	887.541	739.485m
5)	L1 AR-1016-3	5.728	4.900	61947360	15878819	1203.512	937.756
6)	L1 AR-1016-4	5.826	4.942	26995124	28514014	664.194	1972.232 #
7)	L1 AR-1016-5	6.121	5.153	62494957	24676186	1472.440	1320.863
26)	L6 AR-1254-1	6.500	5.505	138.9E6	65571921	2109.575	1850.571
27)	L6 AR-1254-2	6.721	5.657	265.3E6	65864653	2755.658	2059.274 #
28)	L6 AR-1254-3	7.090	6.056	312.0E6	79663257	3490.045	1629.523 #
29)	L6 AR-1254-4	7.372	6.283	121.8E6	48486711	2223.514	1850.156
30)	L6 AR-1254-5	7.791	6.699	346.7E6	183.5E6	5148.360m	4352.745
31)	L7 AR-1260-1	7.251	6.184	180.8E6	88135478	2522.914	2498.496
32)	L7 AR-1260-2	7.502	6.373	636.9E6	97398254	8072.140	2429.704 #
33)	L7 AR-1260-3	7.868	6.525	121.7E6	89656316	2227.726	2371.052
34)	L7 AR-1260-4	8.095	6.997	201.1E6	45689296	3210.220	1581.137 #
35)	L7 AR-1260-5	8.419	7.240	323.5E6	131.0E6	3023.028	2176.731 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110723\
Data File : PO099458.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2023 11:18
Operator : YP/AJ
Sample : 05255-03MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

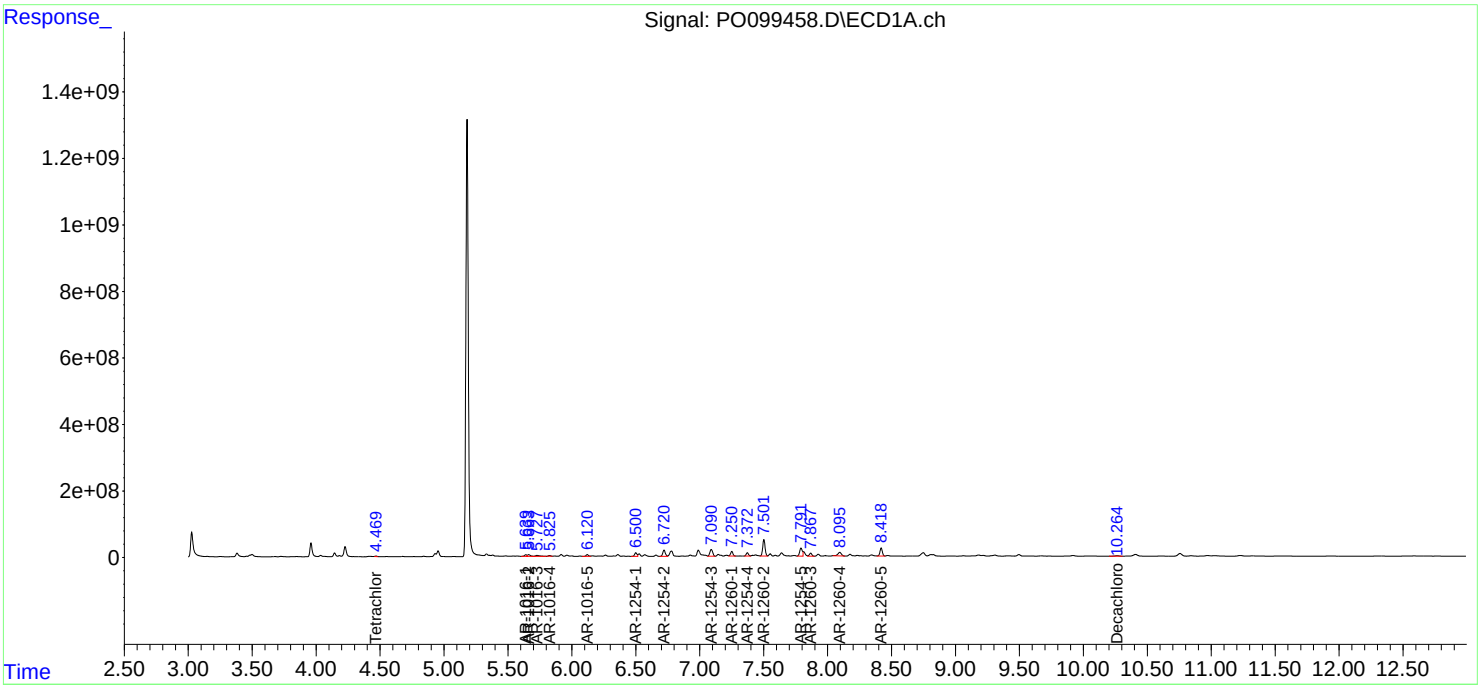
Instrument :
ECD_O
ClientSampleId :
P001-WC01-01MSD

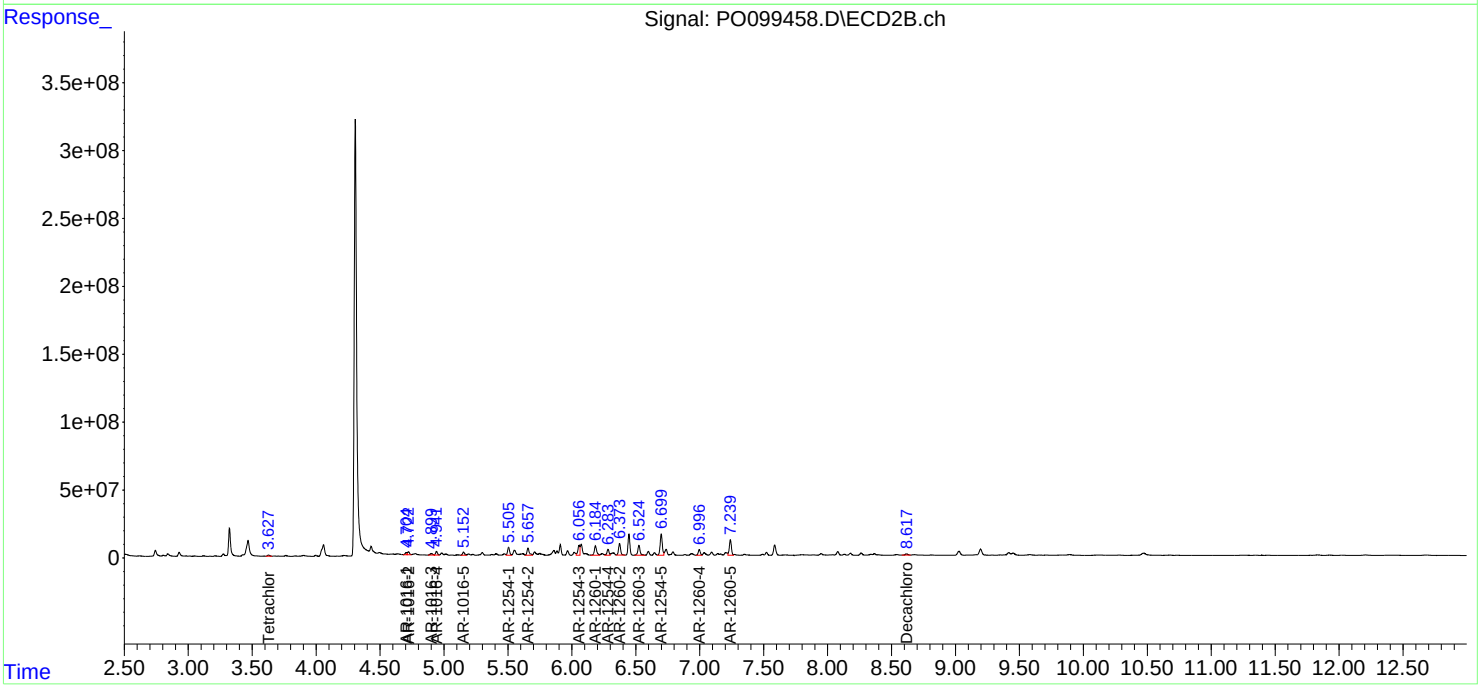
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/08/2023
Supervised By :Ankita Jodhani 11/08/2023

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 22:05:41 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO102523.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 25 06:04:36 2023
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





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

Manual Integration Report

Sequence:	PO102423	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PO098880.D	AR-1260-4	yogesh	10/25/2023 8:19:42 AM	Ankita	10/25/2023 9:25:08	Peak Integrated by Software
AR1242ICC050	PO098887.D	AR-1242-5	yogesh	10/25/2023 8:19:43 AM	Ankita	10/25/2023 9:25:10	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PO110723	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PO099451.D	AR-1016-1 #2	yogesh	11/8/2023 9:12:35 AM	Ankita	11/8/2023 11:43:51	Peak Integrated by Software
AR1660CCC500	PO099451.D	AR-1016-4	yogesh	11/8/2023 9:12:35 AM	Ankita	11/8/2023 11:43:51	Peak Integrated by Software
AR1660CCC500	PO099451.D	Tetrachloro-m-xylene #2	yogesh	11/8/2023 9:12:35 AM	Ankita	11/8/2023 11:43:51	Peak Integrated by Software
I.BLK	PO099452.D	Tetrachloro-m-xylene #2	yogesh	11/8/2023 9:12:37 AM	Ankita	11/8/2023 11:43:53	Peak Integrated by Software
O5255-02MS	PO099457.D	AR-1016-1 #2	yogesh	11/8/2023 9:12:47 AM	Ankita	11/8/2023 11:44:08	Peak Integrated by Software
O5255-02MS	PO099457.D	AR-1016-2 #2	yogesh	11/8/2023 9:12:47 AM	Ankita	11/8/2023 11:44:08	Peak Integrated by Software
O5255-02MS	PO099457.D	Tetrachloro-m-xylene	yogesh	11/8/2023 9:12:47 AM	Ankita	11/8/2023 11:44:08	Peak Integrated by Software
O5255-03MSD	PO099458.D	AR-1016-1 #2	yogesh	11/8/2023 9:12:49 AM	Ankita	11/8/2023 11:44:10	Peak Integrated by Software
O5255-03MSD	PO099458.D	AR-1016-2 #2	yogesh	11/8/2023 9:12:49 AM	Ankita	11/8/2023 11:44:10	Peak Integrated by Software
O5255-03MSD	PO099458.D	AR-1254-5	yogesh	11/8/2023 9:12:49 AM	Ankita	11/8/2023 11:44:10	Peak Integrated by Software
O5255-03MSD	PO099458.D	Tetrachloro-m-xylene	yogesh	11/8/2023 9:12:49 AM	Ankita	11/8/2023 11:44:10	Peak Integrated by Software
AR1660CCC500	PO099463.D	AR-1016-1 #2	yogesh	11/8/2023 9:12:57 AM	Ankita	11/8/2023 11:44:18	Peak Integrated by Software
AR1660CCC500	PO099463.D	AR-1016-4	yogesh	11/8/2023 9:12:57 AM	Ankita	11/8/2023 11:44:18	Peak Integrated by Software

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Manual Integration Report

Sequence:	PO110723	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PO099463.D	Tetrachloro-m-xylene #2	yogesh	11/8/2023 9:12:57 AM	Ankita	11/8/2023 11:44:18	Peak Integrated by Software
AR1660CCC500	PO099485.D	AR-1016-1	yogesh	11/8/2023 9:14:17 AM	Ankita	11/8/2023 11:45:43	Peak Integrated by Software
AR1660CCC500	PO099485.D	AR-1016-1 #2	yogesh	11/8/2023 9:14:17 AM	Ankita	11/8/2023 11:45:43	Peak Integrated by Software
AR1660CCC500	PO099485.D	AR-1016-4	yogesh	11/8/2023 9:14:17 AM	Ankita	11/8/2023 11:45:43	Peak Integrated by Software
AR1660CCC500	PO099485.D	AR-1016-5 #2	yogesh	11/8/2023 9:14:17 AM	Ankita	11/8/2023 11:45:43	Peak Integrated by Software
AR1660CCC500	PO099485.D	Tetrachloro-m-xylene #2	yogesh	11/8/2023 9:14:17 AM	Ankita	11/8/2023 11:45:43	Peak Integrated by Software
I.BLK	PO099486.D	Tetrachloro-m-xylene #2	yogesh	11/8/2023 9:14:19 AM	Ankita	11/8/2023 11:45:45	Peak Integrated by Software
AR1660CCC500	PO099507.D	AR-1016-1	yogesh	11/8/2023 9:15:04 AM	Ankita	11/8/2023 11:47:22	Peak Integrated by Software
AR1660CCC500	PO099507.D	AR-1016-1 #2	yogesh	11/8/2023 9:15:04 AM	Ankita	11/8/2023 11:47:22	Peak Integrated by Software
AR1660CCC500	PO099507.D	AR-1016-4	yogesh	11/8/2023 9:15:04 AM	Ankita	11/8/2023 11:47:22	Peak Integrated by Software
AR1660CCC500	PO099507.D	AR-1016-5 #2	yogesh	11/8/2023 9:15:04 AM	Ankita	11/8/2023 11:47:22	Peak Integrated by Software
AR1660CCC500	PO099507.D	AR-1260-4	yogesh	11/8/2023 9:15:04 AM	Ankita	11/8/2023 11:47:22	Peak Integrated by Software
AR1660CCC500	PO099507.D	Tetrachloro-m-xylene #2	yogesh	11/8/2023 9:15:04 AM	Ankita	11/8/2023 11:47:22	Peak Integrated by Software

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Manual Integration Report

Sequence:	PO110723	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
I.BLK	PO099508.D	Tetrachloro-m-xylene #2	yogesh	11/8/2023 9:15:06 AM	Ankita	11/8/2023 11:47:24	Peak Integrated by Software
AR1660CCC500	PO099526.D	AR-1016-1 #2	yogesh	11/8/2023 11:39:20 AM	Ankita	11/8/2023 11:48:03	Peak Integrated by Software
AR1660CCC500	PO099526.D	Tetrachloro-m-xylene #2	yogesh	11/8/2023 11:39:20 AM	Ankita	11/8/2023 11:48:03	Peak Integrated by Software
I.BLK	PO099527.D	Tetrachloro-m-xylene #2	yogesh	11/8/2023 11:39:22 AM	Ankita	11/8/2023 11:48:05	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP102723	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PP061286.D	Tetrachloro-m-xylene #2	yogesh	10/30/2023 8:41:24 AM	mohammad	10/30/2023 3:43:36	Peak Integrated by Software
AR1242ICC250	PP061292.D	Tetrachloro-m-xylene #2	yogesh	10/30/2023 8:41:26 AM	mohammad	10/30/2023 3:43:39	Peak Integrated by Software
AR1242ICC050	PP061293.D	AR-1242-4	yogesh	10/30/2023 8:41:27 AM	mohammad	10/30/2023 3:43:41	Peak Integrated by Software
AR1242ICC050	PP061293.D	Tetrachloro-m-xylene #2	yogesh	10/30/2023 8:41:27 AM	mohammad	10/30/2023 3:43:41	Peak Integrated by Software
AR1248ICC050	PP061298.D	AR-1248-4 #2	yogesh	10/30/2023 8:41:29 AM	mohammad	10/30/2023 3:43:44	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP110623	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
I.BLK	PP061444.D	Decachlorobiphenyl	yogesh	11/7/2023 1:53:00 PM	Ankita	11/7/2023 2:08:01	Peak Integrated by Software
I.BLK	PP061444.D	Tetrachloro-m-xylene #2	yogesh	11/7/2023 1:53:00 PM	Ankita	11/7/2023 2:08:01	Peak Integrated by Software
O5252-01	PP061447.D	Decachlorobiphenyl	yogesh	11/7/2023 8:05:20 AM	Ankita	11/7/2023 12:00:55	Peak Integrated by Software
O5252-01	PP061447.D	Decachlorobiphenyl #2	yogesh	11/7/2023 8:05:20 AM	Ankita	11/7/2023 12:00:55	Peak Integrated by Software
AR1254CCC500	PP061458.D	Decachlorobiphenyl	yogesh	11/7/2023 8:05:42 AM	Ankita	11/7/2023 12:01:12	Peak Integrated by Software
I.BLK	PP061459.D	Decachlorobiphenyl	yogesh	11/7/2023 8:05:45 AM	Ankita	11/7/2023 12:01:15	Peak Integrated by Software
AR1660CCC500	PP061469.D	AR-1016-2	yogesh	11/7/2023 8:06:01 AM	Ankita	11/7/2023 12:01:36	Peak Integrated by Software
AR1660CCC500	PP061469.D	AR-1016-2 #2	yogesh	11/7/2023 8:06:01 AM	Ankita	11/7/2023 12:01:36	Peak Integrated by Software
AR1660CCC500	PP061469.D	AR-1016-3	yogesh	11/7/2023 8:06:01 AM	Ankita	11/7/2023 12:01:36	Peak Integrated by Software
AR1660CCC500	PP061469.D	AR-1260-2 #2	yogesh	11/7/2023 8:06:01 AM	Ankita	11/7/2023 12:01:36	Peak Integrated by Software
AR1660CCC500	PP061469.D	AR-1260-4	yogesh	11/7/2023 8:06:01 AM	Ankita	11/7/2023 12:01:36	Peak Integrated by Software
AR1660CCC500	PP061469.D	Decachlorobiphenyl	yogesh	11/7/2023 8:06:01 AM	Ankita	11/7/2023 12:01:36	Peak Integrated by Software
AR1660CCC500	PP061469.D	Decachlorobiphenyl #2	yogesh	11/7/2023 8:06:01 AM	Ankita	11/7/2023 12:01:36	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP110623	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PP061470.D	AR-1242-2	yogesh	11/7/2023 8:06:03 AM	Ankita	11/7/2023 12:01:39	Peak Integrated by Software
AR1242CCC500	PP061470.D	AR-1242-2 #2	yogesh	11/7/2023 8:06:03 AM	Ankita	11/7/2023 12:01:39	Peak Integrated by Software
AR1248CCC500	PP061471.D	AR-1248-4	yogesh	11/7/2023 8:06:06 AM	Ankita	11/7/2023 12:01:42	Peak Integrated by Software
AR1248CCC500	PP061471.D	Decachlorobiphenyl	yogesh	11/7/2023 8:06:06 AM	Ankita	11/7/2023 12:01:42	Peak Integrated by Software
AR1248CCC500	PP061471.D	Decachlorobiphenyl #2	yogesh	11/7/2023 8:06:06 AM	Ankita	11/7/2023 12:01:42	Peak Integrated by Software
AR1254CCC500	PP061472.D	AR-1254-3	yogesh	11/7/2023 8:06:08 AM	Ankita	11/7/2023 12:01:46	Peak Integrated by Software
I.BLK	PP061473.D	Decachlorobiphenyl	yogesh	11/7/2023 8:06:10 AM	Ankita	11/7/2023 12:01:48	Peak Integrated by Software
I.BLK	PP061473.D	Decachlorobiphenyl #2	yogesh	11/7/2023 8:06:10 AM	Ankita	11/7/2023 12:01:48	Peak Integrated by Software
AR1660CCC500	PP061494.D	AR-1016-3	yogesh	11/7/2023 8:06:55 AM	Ankita	11/7/2023 12:02:35	Peak Integrated by Software
AR1660CCC500	PP061494.D	AR-1260-4	yogesh	11/7/2023 8:06:55 AM	Ankita	11/7/2023 12:02:35	Peak Integrated by Software
AR1660CCC500	PP061494.D	Decachlorobiphenyl	yogesh	11/7/2023 8:06:55 AM	Ankita	11/7/2023 12:02:35	Peak Integrated by Software
AR1660CCC500	PP061494.D	Decachlorobiphenyl #2	yogesh	11/7/2023 8:06:55 AM	Ankita	11/7/2023 12:02:35	Peak Integrated by Software
I.BLK	PP061495.D	Decachlorobiphenyl	yogesh	11/7/2023 8:06:57 AM	Ankita	11/7/2023 12:02:37	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP110623	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
I.BLK	PP061495.D	Decachlorobiphenyl #2	yogesh	11/7/2023 8:06:57 AM	Ankita	11/7/2023 12:02:37	Peak Integrated by Software

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO102423

Review By	yogesh	Review On	10/25/2023 8:19:51 AM		
Supervise By	Ankita	Supervise On	10/25/2023 9:25:29 AM		
SubDirectory	PO102423	HP Acquire Method		HP Processing Method	PO102423

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP22207,PP22208,PP22209,PP22210,PP22211,PP22212,PP22213,PP22214,PP22215,PP22216,PP22217,PP22218,PP22219,PP22220,PP22221,PP22222,PP22223,PP22224,PP22225,PP22226,PP22227,PP22228,PP22229,PP22230,PP22231,PP22232,PP22233,PP22234,PP22235,PP22236,PP22237,PP22238,PP22239,PP22240,PP22241,PP22242,PP22243,PP22244,PP22245,PP22246
CCC	PP22209,PP22214,PP22219,PP22224,PP22229,PP22234,PP22239,PP22244
Internal Standard/PEM	
ICV/I.BLK	PP22249,PP22251,PP22253,PP22255,PP22257,PP22259,PP22261,PP22263
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO098874.D	24 Oct 2023 20:45	YP/AJ	Ok
2	I.BLK	PO098875.D	24 Oct 2023 21:01	YP/AJ	Ok
3	AR1660ICC1000	PO098876.D	24 Oct 2023 21:19	YP/AJ	Ok
4	AR1660ICC750	PO098877.D	24 Oct 2023 21:36	YP/AJ	Ok
5	AR1660ICC500	PO098878.D	24 Oct 2023 21:53	YP/AJ	Ok
6	AR1660ICC250	PO098879.D	24 Oct 2023 22:09	YP/AJ	Ok
7	AR1660ICC050	PO098880.D	24 Oct 2023 22:27	YP/AJ	Ok,M
8	AR1221ICC500	PO098881.D	24 Oct 2023 22:43	YP/AJ	Ok
9	AR1232ICC500	PO098882.D	24 Oct 2023 23:00	YP/AJ	Ok
10	AR1242ICC1000	PO098883.D	24 Oct 2023 23:17	YP/AJ	Ok
11	AR1242ICC750	PO098884.D	24 Oct 2023 23:34	YP/AJ	Ok
12	AR1242ICC500	PO098885.D	24 Oct 2023 23:51	YP/AJ	Ok
13	AR1242ICC250	PO098886.D	25 Oct 2023 00:08	YP/AJ	Ok
14	AR1242ICC050	PO098887.D	25 Oct 2023 00:25	YP/AJ	Ok,M
15	AR1248ICC1000	PO098888.D	25 Oct 2023 00:42	YP/AJ	Ok
16	AR1248ICC750	PO098889.D	25 Oct 2023 00:59	YP/AJ	Ok
17	AR1248ICC500	PO098890.D	25 Oct 2023 01:16	YP/AJ	Ok
18	AR1248ICC250	PO098891.D	25 Oct 2023 01:33	YP/AJ	Ok
19	AR1248ICC050	PO098892.D	25 Oct 2023 01:50	YP/AJ	Ok
20	AR1254ICC1000	PO098893.D	25 Oct 2023 02:07	YP/AJ	Ok
21	AR1254ICC750	PO098894.D	25 Oct 2023 02:24	YP/AJ	Ok
22	AR1254ICC500	PO098895.D	25 Oct 2023 02:41	YP/AJ	Ok
23	AR1254ICC250	PO098896.D	25 Oct 2023 02:58	YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO102423

Review By	yogesh	Review On	10/25/2023 8:19:51 AM		
Supervise By	Ankita	Supervise On	10/25/2023 9:25:29 AM		
SubDirectory	PO102423	HP Acquire Method		HP Processing Method	PO102423

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP22207,PP22208,PP22209,PP22210,PP22211,PP22212,PP22213,PP22214,PP22215,PP22216,PP22217,PP22218,PP22219,PP22220,PP22221,PP22222,PP22223,PP22224,PP22225,PP22226,PP22227,PP22228,PP22229,PP22230,PP22231,PP22232,PP22233,PP22234,PP22235,PP22236,PP22237,PP22238,PP22239,PP22240,PP22241,PP22242,PP22243,PP22244,PP22245,PP22246
CCC	PP22209,PP22214,PP22219,PP22224,PP22229,PP22234,PP22239,PP22244
Internal Standard/PEM	
ICV/I.BLK	PP22249,PP22251,PP22253,PP22255,PP22257,PP22259,PP22261,PP22263
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

24	AR1254ICC050	PO098897.D	25 Oct 2023 03:15	YP/AJ	Ok
25	AR1262ICC500	PO098898.D	25 Oct 2023 03:32	YP/AJ	Ok
26	AR1268ICC1000	PO098899.D	25 Oct 2023 03:49	YP/AJ	Ok
27	AR1268ICC750	PO098900.D	25 Oct 2023 04:06	YP/AJ	Ok
28	AR1268ICC500	PO098901.D	25 Oct 2023 04:22	YP/AJ	Ok
29	AR1268ICC250	PO098902.D	25 Oct 2023 04:39	YP/AJ	Ok
30	AR1268ICC050	PO098903.D	25 Oct 2023 04:56	YP/AJ	Ok
31	PO102423ICV500	PO098904.D	25 Oct 2023 05:13	YP/AJ	Ok
32	AR1242ICV500	PO098905.D	25 Oct 2023 05:30	YP/AJ	Ok
33	AR1248ICV500	PO098906.D	25 Oct 2023 05:47	YP/AJ	Ok
34	AR1254ICV500	PO098907.D	25 Oct 2023 06:04	YP/AJ	Ok
35	AR1268ICV500	PO098908.D	25 Oct 2023 06:21	YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO110723

Review By	yogesh	Review On	11/8/2023 9:15:27 AM		
Supervise By	Ankita	Supervise On	11/8/2023 11:48:26 AM		
SubDirectory	PO110723	HP Acquire Method		HP Processing Method	PO102523

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP22207,PP22208,PP22209,PP22210,PP22211,PP22212,PP22213,PP22214,PP22215,PP22216,PP22217,PP22218,PP22219,PP22220,PP22221,PP22222,PP22223,PP22224,PP22225,PP22226,PP22227,PP22228,PP22229,PP22230,PP22231,PP22232,PP22233,PP22234,PP22235,PP22236,PP22237,PP22238,PP22239,PP22240,PP22241,PP22242,PP22243,PP22244,PP22245,PP22246
CCC	PP22209,PP22214,PP22219,PP22224,PP22229,PP22234,PP22239,PP22244
Internal Standard/PEM	
ICV/I.BLK	PP22249,PP22251,PP22253,PP22255,PP22257,PP22259,PP22261,PP22263
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO099450.D	07 Nov 2023 08:45	YP/AJ	Ok
2	AR1660CCC500	PO099451.D	07 Nov 2023 09:20	YP/AJ	Ok,M
3	I.BLK	PO099452.D	07 Nov 2023 09:36	YP/AJ	Ok,M
4	O5257-01	PO099453.D	07 Nov 2023 09:53	YP/AJ	Ok,M
5	O5257-05	PO099454.D	07 Nov 2023 10:11	YP/AJ	Ok,M
6	O5257-09	PO099455.D	07 Nov 2023 10:28	YP/AJ	Ok,M
7	O5255-01	PO099456.D	07 Nov 2023 10:44	YP/AJ	Dilution
8	O5255-02MS	PO099457.D	07 Nov 2023 11:01	YP/AJ	Ok,M
9	O5255-03MSD	PO099458.D	07 Nov 2023 11:18	YP/AJ	Ok,M
10	O5255-04	PO099459.D	07 Nov 2023 11:35	YP/AJ	Dilution
11	O5244-04DL	PO099460.D	07 Nov 2023 12:09	YP/AJ	Ok,M
12	O5244-07DL	PO099461.D	07 Nov 2023 12:26	YP/AJ	Ok
13	O5246-03DL	PO099462.D	07 Nov 2023 12:43	YP/AJ	Ok,M
14	AR1660CCC500	PO099463.D	07 Nov 2023 13:17	YP/AJ	Ok,M
15	I.BLK	PO099464.D	07 Nov 2023 13:34	YP/AJ	Ok
16	PB156937BL	PO099465.D	07 Nov 2023 13:51	YP/AJ	Ok,M
17	PB156937BS	PO099466.D	07 Nov 2023 14:08	YP/AJ	Ok,M
18	O5258-01	PO099467.D	07 Nov 2023 14:25	YP/AJ	Ok,M
19	O5258-02	PO099468.D	07 Nov 2023 14:42	YP/AJ	Ok,M
20	O5258-03	PO099469.D	07 Nov 2023 14:59	YP/AJ	Ok,M
21	O5258-04	PO099470.D	07 Nov 2023 15:16	YP/AJ	Ok,M
22	O5258-05	PO099471.D	07 Nov 2023 15:33	YP/AJ	Ok,M
23	O5258-06	PO099472.D	07 Nov 2023 15:50	YP/AJ	Ok,M

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO110723

Review By	yogesh	Review On	11/8/2023 9:15:27 AM		
Supervise By	Ankita	Supervise On	11/8/2023 11:48:26 AM		
SubDirectory	PO110723	HP Acquire Method		HP Processing Method	PO102523

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP22207,PP22208,PP22209,PP22210,PP22211,PP22212,PP22213,PP22214,PP22215,PP22216,PP22217,PP22218,PP22219,PP22220,PP22221,PP22222,PP22223,PP22224,PP22225,PP22226,PP22227,PP22228,PP22229,PP22230,PP22231,PP22232,PP22233,PP22234,PP22235,PP22236,PP22237,PP22238,PP22239,PP22240,PP22241,PP22242,PP22243,PP22244,PP22245,PP22246
CCC	PP22209,PP22214,PP22219,PP22224,PP22229,PP22234,PP22239,PP22244
Internal Standard/PEM	
ICV/I.BLK	PP22249,PP22251,PP22253,PP22255,PP22257,PP22259,PP22261,PP22263
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

24	O5258-07	PO099473.D	07 Nov 2023 16:07	YP/AJ	Ok,M
25	O5258-08	PO099474.D	07 Nov 2023 16:23	YP/AJ	Ok,M
26	O5258-09	PO099475.D	07 Nov 2023 16:40	YP/AJ	Ok,M
27	O5258-10	PO099476.D	07 Nov 2023 16:57	YP/AJ	Ok,M
28	O5258-11	PO099477.D	07 Nov 2023 17:14	YP/AJ	Ok,M
29	O5258-12	PO099478.D	07 Nov 2023 17:31	YP/AJ	Dilution
30	O5258-13	PO099479.D	07 Nov 2023 17:48	YP/AJ	Ok,M
31	O5258-14	PO099480.D	07 Nov 2023 18:05	YP/AJ	Dilution
32	O5258-15	PO099481.D	07 Nov 2023 18:22	YP/AJ	Ok,M
33	O5258-16	PO099482.D	07 Nov 2023 18:39	YP/AJ	Dilution
34	O5258-17	PO099483.D	07 Nov 2023 18:56	YP/AJ	Ok,M
35	O5258-18	PO099484.D	07 Nov 2023 19:13	YP/AJ	Dilution
36	AR1660CCC500	PO099485.D	07 Nov 2023 19:58	YP/AJ	Ok,M
37	I.BLK	PO099486.D	07 Nov 2023 20:15	YP/AJ	Ok,M
38	O5258-19	PO099487.D	07 Nov 2023 20:32	YP/AJ	Ok,M
39	O5258-20	PO099488.D	07 Nov 2023 20:49	YP/AJ	Dilution
40	O5255-01DL	PO099489.D	07 Nov 2023 21:06	YP/AJ	Ok,M
41	O5255-04DL	PO099490.D	07 Nov 2023 21:23	YP/AJ	Ok,M
42	O5258-21DL	PO099491.D	07 Nov 2023 21:39	YP/AJ	Ok,M
43	O5258-22DL	PO099492.D	07 Nov 2023 21:56	YP/AJ	Ok,M
44	O5258-23DL	PO099493.D	07 Nov 2023 22:13	YP/AJ	Ok,M
45	O5258-24DL	PO099494.D	07 Nov 2023 22:30	YP/AJ	Ok,M
46	O5258-25DL	PO099495.D	07 Nov 2023 22:47	YP/AJ	Not Ok
47	O5258-26DL	PO099496.D	07 Nov 2023 23:04	YP/AJ	Ok,M
48	O5258-27DL	PO099497.D	07 Nov 2023 23:21	YP/AJ	Ok,M

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO110723

Review By	yogesh	Review On	11/8/2023 9:15:27 AM		
Supervise By	Ankita	Supervise On	11/8/2023 11:48:26 AM		
SubDirectory	PO110723	HP Acquire Method		HP Processing Method	PO102523

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP22207,PP22208,PP22209,PP22210,PP22211,PP22212,PP22213,PP22214,PP22215,PP22216,PP22217,PP22218,PP22219,PP22220,PP22221,PP22222,PP22223,PP22224,PP22225,PP22226,PP22227,PP22228,PP22229,PP22230,PP22231,PP22232,PP22233,PP22234,PP22235,PP22236,PP22237,PP22238,PP22239,PP22240,PP22241,PP22242,PP22243,PP22244,PP22245,PP22246
CCC	PP22209,PP22214,PP22219,PP22224,PP22229,PP22234,PP22239,PP22244
Internal Standard/PEM	
ICV/I.BLK	PP22249,PP22251,PP22253,PP22255,PP22257,PP22259,PP22261,PP22263
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

49	O5258-12DL	PO099498.D	07 Nov 2023 23:38	YP/AJ	Ok,M
50	O5258-14DL	PO099499.D	07 Nov 2023 23:55	YP/AJ	Ok,M
51	O5258-16DL	PO099500.D	08 Nov 2023 00:12	YP/AJ	Ok,M
52	O5258-18DL	PO099501.D	08 Nov 2023 00:29	YP/AJ	Not Ok
53	O5258-20DL	PO099502.D	08 Nov 2023 00:45	YP/AJ	Not Ok
54	PB156948BL	PO099503.D	08 Nov 2023 01:02	YP/AJ	Ok,M
55	PB156948BS	PO099504.D	08 Nov 2023 01:19	YP/AJ	Ok,M
56	O5247-04	PO099505.D	08 Nov 2023 01:36	YP/AJ	Ok,M
57	O5247-07	PO099506.D	08 Nov 2023 01:53	YP/AJ	Ok,M
58	AR1660CCC500	PO099507.D	08 Nov 2023 02:38	YP/AJ	Ok,M
59	I.BLK	PO099508.D	08 Nov 2023 02:55	YP/AJ	Ok,M
60	O5247-01MSD	PO099509.D	08 Nov 23 03:12 am	YP/AJ	Ok,M
61	O5247-10	PO099510.D	08 Nov 23 03:29 am	YP/AJ	Ok,M
62	O5247-13	PO099511.D	08 Nov 2023 03:46	YP/AJ	Ok,M
63	O5247-16	PO099512.D	08 Nov 23 04:03 am	YP/AJ	Ok,M
64	O5247-19	PO099513.D	08 Nov 23 04:20 am	YP/AJ	Ok,M
65	O5248-02	PO099514.D	08 Nov 23 04:37 am	YP/AJ	Ok,M
66	O5248-03	PO099515.D	08 Nov 23 04:54 am	YP/AJ	Ok,M
67	O5248-04	PO099516.D	08 Nov 23 05:10 am	YP/AJ	Ok,M
68	O5248-05	PO099517.D	08 Nov 23 05:27 am	YP/AJ	Ok,M
69	O5248-06	PO099518.D	08 Nov 23 05:44 am	YP/AJ	Ok,M
70	O5248-07	PO099519.D	08 Nov 2023 06:01	YP/AJ	Ok,M
71	O5248-08	PO099520.D	08 Nov 23 06:18 am	YP/AJ	Ok,M
72	O5248-09	PO099521.D	08 Nov 23 06:35 am	YP/AJ	Ok,M
73	O5248-10	PO099522.D	08 Nov 23 07:28 am	YP/AJ	Ok,M

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO110723

Review By	yogesh	Review On	11/8/2023 9:15:27 AM		
Supervise By	Ankita	Supervise On	11/8/2023 11:48:26 AM		
SubDirectory	PO110723	HP Acquire Method		HP Processing Method	PO102523

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP22207,PP22208,PP22209,PP22210,PP22211,PP22212,PP22213,PP22214,PP22215,PP22216,PP22217,PP22218,PP22219,PP22220,PP22221,PP22222,PP22223,PP22224,PP22225,PP22226,PP22227,PP22228,PP22229,PP22230,PP22231,PP22232,PP22233,PP22234,PP22235,PP22236,PP22237,PP22238,PP22239,PP22240,PP22241,PP22242,PP22243,PP22244,PP22245,PP22246
CCC	PP22209,PP22214,PP22219,PP22224,PP22229,PP22234,PP22239,PP22244
Internal Standard/PEM	
ICV/I.BLK	PP22249,PP22251,PP22253,PP22255,PP22257,PP22259,PP22261,PP22263
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

74	O5248-13	PO099523.D	08 Nov 23 07:45 am	YP/AJ	Ok,M
75	O5248-14	PO099524.D	08 Nov 23 08:01 am	YP/AJ	Ok,M
76	O5248-16	PO099525.D	08 Nov 23 08:18 am	YP/AJ	Ok,M
77	AR1660CCC500	PO099526.D	08 Nov 2023 08:51	YP/AJ	Ok,M
78	I.BLK	PO099527.D	08 Nov 2023 09:08	YP/AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP102723

Review By	yogesh	Review On	10/30/2023 8:41:45 AM		
Supervise By	mohammad	Supervise On	10/30/2023 3:43:54 PM		
SubDirectory	PP102723	HP Acquire Method		HP Processing Method	PP102723

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP22207,PP22208,PP22209,PP22210,PP22211,PP22212,PP22213,PP22214,PP22215,PP22216,PP22217,PP22218,PP22219,PP22220,PP22221,PP22222,PP22223,PP22224,PP22225,PP22226,PP22227,PP22228,PP22229,PP22230,PP22231,PP22232,PP22233,PP22234,PP22235,PP22236,PP22237,PP22238,PP22239,PP22240,PP22241,PP22242,PP22243,PP22244,PP22245,PP22246
CCC	PP22209,PP22214,PP22219,PP22224,PP22229,PP22234,PP22239,PP22244
Internal Standard/PEM	
ICV/I.BLK	PP22249,PP22251,PP22253,PP22255,PP22257,PP22259,PP22261,PP22263
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP061280.D	27 Oct 2023 10:31	YP\AJ	Ok
2	I.BLK	PP061281.D	27 Oct 2023 10:47	YP\AJ	Ok
3	AR1660ICC1000	PP061282.D	27 Oct 2023 11:03	YP\AJ	Ok
4	AR1660ICC750	PP061283.D	27 Oct 2023 11:20	YP\AJ	Ok
5	AR1660ICC500	PP061284.D	27 Oct 2023 11:36	YP\AJ	Ok
6	AR1660ICC250	PP061285.D	27 Oct 2023 11:52	YP\AJ	Ok
7	AR1660ICC050	PP061286.D	27 Oct 2023 12:08	YP\AJ	Ok,M
8	AR1221ICC500	PP061287.D	27 Oct 2023 12:25	YP\AJ	Ok
9	AR1232ICC500	PP061288.D	27 Oct 2023 12:41	YP\AJ	Ok
10	AR1242ICC1000	PP061289.D	27 Oct 2023 12:57	YP\AJ	Ok
11	AR1242ICC750	PP061290.D	27 Oct 2023 13:13	YP\AJ	Ok
12	AR1242ICC500	PP061291.D	27 Oct 2023 13:30	YP\AJ	Ok
13	AR1242ICC250	PP061292.D	27 Oct 2023 13:46	YP\AJ	Ok,M
14	AR1242ICC050	PP061293.D	27 Oct 2023 14:02	YP\AJ	Ok,M
15	AR1248ICC1000	PP061294.D	27 Oct 2023 14:19	YP\AJ	Ok
16	AR1248ICC750	PP061295.D	27 Oct 2023 14:35	YP\AJ	Ok
17	AR1248ICC500	PP061296.D	27 Oct 2023 14:51	YP\AJ	Ok
18	AR1248ICC250	PP061297.D	27 Oct 2023 15:08	YP\AJ	Ok
19	AR1248ICC050	PP061298.D	27 Oct 2023 15:24	YP\AJ	Ok,M
20	AR1254ICC1000	PP061299.D	27 Oct 2023 15:40	YP\AJ	Ok
21	AR1254ICC750	PP061300.D	27 Oct 2023 15:57	YP\AJ	Ok
22	AR1254ICC500	PP061301.D	27 Oct 2023 16:13	YP\AJ	Ok
23	AR1254ICC250	PP061302.D	27 Oct 2023 16:30	YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP102723

Review By	yogesh	Review On	10/30/2023 8:41:45 AM		
Supervise By	mohammad	Supervise On	10/30/2023 3:43:54 PM		
SubDirectory	PP102723	HP Acquire Method		HP Processing Method	PP102723

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP22207,PP22208,PP22209,PP22210,PP22211,PP22212,PP22213,PP22214,PP22215,PP22216,PP22217,PP22218,PP22219,PP22220,PP22221,PP22222,PP22223,PP22224,PP22225,PP22226,PP22227,PP22228,PP22229,PP22230,PP22231,PP22232,PP22233,PP22234,PP22235,PP22236,PP22237,PP22238,PP22239,PP22240,PP22241,PP22242,PP22243,PP22244,PP22245,PP22246
CCC	PP22209,PP22214,PP22219,PP22224,PP22229,PP22234,PP22239,PP22244
Internal Standard/PEM	
ICV/I.BLK	PP22249,PP22251,PP22253,PP22255,PP22257,PP22259,PP22261,PP22263
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

24	AR1254ICC050	PP061303.D	27 Oct 2023 16:46	YP\AJ	Ok
25	AR1262ICC500	PP061304.D	27 Oct 2023 17:02	YP\AJ	Ok
26	AR1268ICC1000	PP061305.D	27 Oct 2023 17:19	YP\AJ	Ok
27	AR1268ICC750	PP061306.D	27 Oct 2023 17:35	YP\AJ	Ok
28	AR1268ICC500	PP061307.D	27 Oct 2023 17:51	YP\AJ	Ok
29	AR1268ICC250	PP061308.D	27 Oct 2023 18:08	YP\AJ	Ok
30	AR1268ICC050	PP061309.D	27 Oct 2023 18:24	YP\AJ	Ok
31	PP102723ICV500	PP061310.D	27 Oct 2023 18:41	YP\AJ	Ok
32	AR1242ICV500	PP061311.D	27 Oct 2023 18:57	YP\AJ	Ok
33	AR1248ICV500	PP061312.D	27 Oct 2023 19:14	YP\AJ	Ok
34	AR1254ICV500	PP061313.D	27 Oct 2023 19:30	YP\AJ	Not Ok
35	AR1268ICV500	PP061314.D	27 Oct 2023 19:46	YP\AJ	Ok
36	AR1254ICV500	PP061315.D	27 Oct 2023 23:34	YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP110623

Review By	yogesh	Review On	11/7/2023 8:07:13 AM		
Supervise By	Ankita	Supervise On	11/7/2023 12:02:46 PM		
SubDirectory	PP110623	HP Acquire Method		HP Processing Method	PP102723

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP22207,PP22208,PP22209,PP22210,PP22211,PP22212,PP22213,PP22214,PP22215,PP22216,PP22217,PP22218,PP22219,PP22220,PP22221,PP22222,PP22223,PP22224,PP22225,PP22226,PP22227,PP22228,PP22229,PP22230,PP22231,PP22232,PP22233,PP22234,PP22235,PP22236,PP22237,PP22238,PP22239,PP22240,PP22241,PP22242,PP22243,PP22244,PP22245,PP22246
CCC	PP22209,PP22214,PP22219,PP22224,PP22229,PP22234,PP22239,PP22244
Internal Standard/PEM	
ICV/I.BLK	PP22249,PP22251,PP22253,PP22255,PP22257,PP22259,PP22261,PP22263
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP061439.D	06 Nov 2023 09:49	YP\AJ	Ok
2	AR1660CCC500	PP061440.D	06 Nov 2023 10:05	YP\AJ	Ok
3	AR1242CCC500	PP061441.D	06 Nov 2023 10:22	YP\AJ	Ok
4	AR1248CCC500	PP061442.D	06 Nov 2023 10:39	YP\AJ	Ok
5	AR1254CCC500	PP061443.D	06 Nov 2023 10:55	YP\AJ	Ok
6	I.BLK	PP061444.D	06 Nov 2023 11:17	YP\AJ	Ok,M
7	PB156919BL	PP061445.D	06 Nov 2023 13:28	YP\AJ	Ok
8	PB156919BS	PP061446.D	06 Nov 2023 13:44	YP\AJ	Ok
9	O5252-01	PP061447.D	06 Nov 2023 14:00	YP\AJ	Ok,M
10	O5253-01	PP061448.D	06 Nov 2023 14:17	YP\AJ	Ok,M
11	O5253-02	PP061449.D	06 Nov 2023 14:33	YP\AJ	Ok,M
12	O5253-03	PP061450.D	06 Nov 2023 14:50	YP\AJ	Ok,M
13	O5253-04	PP061451.D	06 Nov 2023 15:06	YP\AJ	Ok,M
14	O5256-01	PP061452.D	06 Nov 2023 15:22	YP\AJ	Ok,M
15	O5256-05	PP061453.D	06 Nov 2023 15:39	YP\AJ	Ok
16	O5256-09	PP061454.D	06 Nov 2023 15:55	YP\AJ	Ok,M
17	AR1660CCC500	PP061455.D	06 Nov 2023 16:11	YP\AJ	Ok
18	AR1242CCC500	PP061456.D	06 Nov 2023 16:28	YP\AJ	Ok
19	AR1248CCC500	PP061457.D	06 Nov 2023 16:44	YP\AJ	Ok
20	AR1254CCC500	PP061458.D	06 Nov 2023 17:01	YP\AJ	Not Ok
21	I.BLK	PP061459.D	06 Nov 2023 17:17	YP\AJ	Ok,M
22	O5255-01	PP061460.D	06 Nov 2023 17:33	YP\AJ	Not Ok
23	O5255-02MS	PP061461.D	06 Nov 2023 17:50	YP\AJ	Not Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP110623

Review By	yogesh	Review On	11/7/2023 8:07:13 AM		
Supervise By	Ankita	Supervise On	11/7/2023 12:02:46 PM		
SubDirectory	PP110623	HP Acquire Method		HP Processing Method	PP102723

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP22207,PP22208,PP22209,PP22210,PP22211,PP22212,PP22213,PP22214,PP22215,PP22216,PP22217,PP22218,PP22219,PP22220,PP22221,PP22222,PP22223,PP22224,PP22225,PP22226,PP22227,PP22228,PP22229,PP22230,PP22231,PP22232,PP22233,PP22234,PP22235,PP22236,PP22237,PP22238,PP22239,PP22240,PP22241,PP22242,PP22243,PP22244,PP22245,PP22246
CCC	PP22209,PP22214,PP22219,PP22224,PP22229,PP22234,PP22239,PP22244
Internal Standard/PEM	
ICV/I.BLK	PP22249,PP22251,PP22253,PP22255,PP22257,PP22259,PP22261,PP22263
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

24	O5255-03MSD	PP061462.D	06 Nov 2023 18:06	YP\AJ	Not Ok
25	O5255-04	PP061463.D	06 Nov 2023 18:22	YP\AJ	Not Ok
26	O5257-01	PP061464.D	06 Nov 2023 18:39	YP\AJ	Not Ok
27	O5257-05	PP061465.D	06 Nov 2023 18:55	YP\AJ	Not Ok
28	O5257-09	PP061466.D	06 Nov 2023 19:11	YP\AJ	Not Ok
29	PB156937BL	PP061467.D	06 Nov 2023 19:28	YP\AJ	Not Ok
30	PB156937BS	PP061468.D	06 Nov 2023 19:44	YP\AJ	Not Ok
31	AR1660CCC500	PP061469.D	06 Nov 2023 20:21	YP\AJ	Not Ok
32	AR1242CCC500	PP061470.D	06 Nov 2023 20:37	YP\AJ	Not Ok
33	AR1248CCC500	PP061471.D	06 Nov 2023 20:54	YP\AJ	Not Ok
34	AR1254CCC500	PP061472.D	06 Nov 2023 21:10	YP\AJ	Not Ok
35	I.BLK	PP061473.D	06 Nov 2023 21:26	YP\AJ	Not Ok
36	O5258-01	PP061474.D	06 Nov 2023 21:43	YP\AJ	Not Ok
37	O5258-02	PP061475.D	06 Nov 2023 21:59	YP\AJ	Not Ok
38	O5258-03	PP061476.D	06 Nov 2023 22:15	YP\AJ	Not Ok
39	O5258-04	PP061477.D	06 Nov 2023 22:32	YP\AJ	Not Ok
40	O5258-05	PP061478.D	06 Nov 2023 22:48	YP\AJ	Not Ok
41	O5258-06	PP061479.D	06 Nov 2023 23:05	YP\AJ	Not Ok
42	O5258-07	PP061480.D	06 Nov 2023 23:21	YP\AJ	Not Ok
43	O5258-08	PP061481.D	06 Nov 2023 23:37	YP\AJ	Not Ok
44	O5258-09	PP061482.D	06 Nov 2023 23:53	YP\AJ	Not Ok
45	O5258-10	PP061483.D	07 Nov 2023 00:10	YP\AJ	Not Ok
46	O5258-11	PP061484.D	07 Nov 2023 00:26	YP\AJ	Not Ok
47	O5258-12	PP061485.D	07 Nov 2023 00:43	YP\AJ	Not Ok
48	O5258-13	PP061486.D	07 Nov 2023 00:59	YP\AJ	Not Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP110623

Review By	yogesh	Review On	11/7/2023 8:07:13 AM		
Supervise By	Ankita	Supervise On	11/7/2023 12:02:46 PM		
SubDirectory	PP110623	HP Acquire Method		HP Processing Method	PP102723

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP22207,PP22208,PP22209,PP22210,PP22211,PP22212,PP22213,PP22214,PP22215,PP22216,PP22217,PP22218,PP22219,PP22220,PP22221,PP22222,PP22223,PP22224,PP22225,PP22226,PP22227,PP22228,PP22229,PP22230,PP22231,PP22232,PP22233,PP22234,PP22235,PP22236,PP22237,PP22238,PP22239,PP22240,PP22241,PP22242,PP22243,PP22244,PP22245,PP22246
CCC	PP22209,PP22214,PP22219,PP22224,PP22229,PP22234,PP22239,PP22244
Internal Standard/PEM	
ICV/I.BLK	PP22249,PP22251,PP22253,PP22255,PP22257,PP22259,PP22261,PP22263
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

49	O5258-14	PP061487.D	07 Nov 2023 01:15	YP\AJ	Not Ok
50	O5258-15	PP061488.D	07 Nov 2023 01:32	YP\AJ	Not Ok
51	O5258-16	PP061489.D	07 Nov 2023 01:48	YP\AJ	Not Ok
52	O5258-17	PP061490.D	07 Nov 2023 02:04	YP\AJ	Not Ok
53	O5258-18	PP061491.D	07 Nov 2023 02:21	YP\AJ	Not Ok
54	O5258-19	PP061492.D	07 Nov 2023 02:37	YP\AJ	Not Ok
55	O5258-20	PP061493.D	07 Nov 2023 02:53	YP\AJ	Not Ok
56	AR1660CCC500	PP061494.D	07 Nov 2023 03:30	YP\AJ	Not Ok
57	I.BLK	PP061495.D	07 Nov 2023 03:47	YP\AJ	Not Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO102423

Review By	yogesh	Review On	10/25/2023 8:19:51 AM		
Supervise By	Ankita	Supervise On	10/25/2023 9:25:29 AM		
SubDirectory	PO102423	HP Acquire Method		HP Processing Method	PO102423

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP22207,PP22208,PP22209,PP22210,PP22211,PP22212,PP22213,PP22214,PP22215,PP22216,PP22217,PP22218,PP22219,PP22220,PP22221,PP22222,PP22223,PP22224,PP22225,PP22226,PP22227,PP22228,PP22229,PP22230,PP22231,PP22232,PP22233,PP22234,PP22235,PP22236,PP22237,PP22238,PP22239,PP22240,PP22241,PP22242,PP22243,PP22244,PP22245,PP22246
CCC	PP22209,PP22214,PP22219,PP22224,PP22229,PP22234,PP22239,PP22244
Internal Standard/PEM	
ICV/I.BLK	PP22249,PP22251,PP22253,PP22255,PP22257,PP22259,PP22261,PP22263
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO098874.D	24 Oct 2023 20:45		YP/AJ	Ok
2	I.BLK	I.BLK	PO098875.D	24 Oct 2023 21:01	method saved as PO102523.M	YP/AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PO098876.D	24 Oct 2023 21:19		YP/AJ	Ok
4	AR1660ICC750	AR1660ICC750	PO098877.D	24 Oct 2023 21:36		YP/AJ	Ok
5	AR1660ICC500	AR1660ICC500	PO098878.D	24 Oct 2023 21:53		YP/AJ	Ok
6	AR1660ICC250	AR1660ICC250	PO098879.D	24 Oct 2023 22:09		YP/AJ	Ok
7	AR1660ICC050	AR1660ICC050	PO098880.D	24 Oct 2023 22:27		YP/AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PO098881.D	24 Oct 2023 22:43		YP/AJ	Ok
9	AR1232ICC500	AR1232ICC500	PO098882.D	24 Oct 2023 23:00		YP/AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PO098883.D	24 Oct 2023 23:17		YP/AJ	Ok
11	AR1242ICC750	AR1242ICC750	PO098884.D	24 Oct 2023 23:34		YP/AJ	Ok
12	AR1242ICC500	AR1242ICC500	PO098885.D	24 Oct 2023 23:51		YP/AJ	Ok
13	AR1242ICC250	AR1242ICC250	PO098886.D	25 Oct 2023 00:08		YP/AJ	Ok
14	AR1242ICC050	AR1242ICC050	PO098887.D	25 Oct 2023 00:25		YP/AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PO098888.D	25 Oct 2023 00:42		YP/AJ	Ok
16	AR1248ICC750	AR1248ICC750	PO098889.D	25 Oct 2023 00:59		YP/AJ	Ok
17	AR1248ICC500	AR1248ICC500	PO098890.D	25 Oct 2023 01:16		YP/AJ	Ok
18	AR1248ICC250	AR1248ICC250	PO098891.D	25 Oct 2023 01:33		YP/AJ	Ok
19	AR1248ICC050	AR1248ICC050	PO098892.D	25 Oct 2023 01:50		YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO102423

Review By	yogesh	Review On	10/25/2023 8:19:51 AM		
Supervise By	Ankita	Supervise On	10/25/2023 9:25:29 AM		
SubDirectory	PO102423	HP Acquire Method		HP Processing Method	PO102423

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP22207,PP22208,PP22209,PP22210,PP22211,PP22212,PP22213,PP22214,PP22215,PP22216,PP22217,PP22218,PP22219,PP22220,PP22221,PP22222,PP22223,PP22224,PP22225,PP22226,PP22227,PP22228,PP22229,PP22230,PP22231,PP22232,PP22233,PP22234,PP22235,PP22236,PP22237,PP22238,PP22239,PP22240,PP22241,PP22242,PP22243,PP22244,PP22245,PP22246
CCC	PP22209,PP22214,PP22219,PP22224,PP22229,PP22234,PP22239,PP22244
Internal Standard/PEM	
ICV/I.BLK	PP22249,PP22251,PP22253,PP22255,PP22257,PP22259,PP22261,PP22263
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

20	AR1254ICC1000	AR1254ICC1000	PO098893.D	25 Oct 2023 02:07		YP/AJ	Ok
21	AR1254ICC750	AR1254ICC750	PO098894.D	25 Oct 2023 02:24		YP/AJ	Ok
22	AR1254ICC500	AR1254ICC500	PO098895.D	25 Oct 2023 02:41		YP/AJ	Ok
23	AR1254ICC250	AR1254ICC250	PO098896.D	25 Oct 2023 02:58		YP/AJ	Ok
24	AR1254ICC050	AR1254ICC050	PO098897.D	25 Oct 2023 03:15		YP/AJ	Ok
25	AR1262ICC500	AR1262ICC500	PO098898.D	25 Oct 2023 03:32		YP/AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PO098899.D	25 Oct 2023 03:49		YP/AJ	Ok
27	AR1268ICC750	AR1268ICC750	PO098900.D	25 Oct 2023 04:06		YP/AJ	Ok
28	AR1268ICC500	AR1268ICC500	PO098901.D	25 Oct 2023 04:22		YP/AJ	Ok
29	AR1268ICC250	AR1268ICC250	PO098902.D	25 Oct 2023 04:39		YP/AJ	Ok
30	AR1268ICC050	AR1268ICC050	PO098903.D	25 Oct 2023 04:56		YP/AJ	Ok
31	PO102423ICV500	ICVPO102423	PO098904.D	25 Oct 2023 05:13		YP/AJ	Ok
32	AR1242ICV500	ICVPO102423AR1242	PO098905.D	25 Oct 2023 05:30		YP/AJ	Ok
33	AR1248ICV500	ICVPO102423AR1248	PO098906.D	25 Oct 2023 05:47		YP/AJ	Ok
34	AR1254ICV500	ICVPO102423AR1254	PO098907.D	25 Oct 2023 06:04		YP/AJ	Ok
35	AR1268ICV500	ICVPO102423AR1268	PO098908.D	25 Oct 2023 06:21	DCB high in both column.	YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO110723

Review By	yogesh	Review On	11/8/2023 9:15:27 AM		
Supervise By	Ankita	Supervise On	11/8/2023 11:48:26 AM		
SubDirectory	PO110723	HP Acquire Method		HP Processing Method	PO102523

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP22207,PP22208,PP22209,PP22210,PP22211,PP22212,PP22213,PP22214,PP22215,PP22216,PP22217,PP22218,PP22219,PP22220,PP22221,PP22222,PP22223,PP22224,PP22225,PP22226,PP22227,PP22228,PP22229,PP22230,PP22231,PP22232,PP22233,PP22234,PP22235,PP22236,PP22237,PP22238,PP22239,PP22240,PP22241,PP22242,PP22243,PP22244,PP22245,PP22246
CCC	PP22209,PP22214,PP22219,PP22224,PP22229,PP22234,PP22239,PP22244
Internal Standard/PEM	
ICV/I.BLK	PP22249,PP22251,PP22253,PP22255,PP22257,PP22259,PP22261,PP22263
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO099450.D	07 Nov 2023 08:45		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO099451.D	07 Nov 2023 09:20		YP/AJ	Ok,M
3	I.BLK	I.BLK	PO099452.D	07 Nov 2023 09:36		YP/AJ	Ok,M
4	O5257-01	WC-6	PO099453.D	07 Nov 2023 09:53		YP/AJ	Ok,M
5	O5257-05	WC-2	PO099454.D	07 Nov 2023 10:11		YP/AJ	Ok,M
6	O5257-09	WC-3	PO099455.D	07 Nov 2023 10:28		YP/AJ	Ok,M
7	O5255-01	P001-WC01-01	PO099456.D	07 Nov 2023 10:44	AR1254 + AR1260 hit ,(Need Dilution)	YP/AJ	Dilution
8	O5255-02MS	P001-WC01-01MS	PO099457.D	07 Nov 2023 11:01	Recovery fail AR1016 , AR1260	YP/AJ	Ok,M
9	O5255-03MSD	P001-WC01-01MSD	PO099458.D	07 Nov 2023 11:18	Recovery fail AR1016 , AR1260	YP/AJ	Ok,M
10	O5255-04	P001-WC01-02	PO099459.D	07 Nov 2023 11:35	AR1254 + AR1260 hit (Need Dilution)	YP/AJ	Dilution
11	O5244-04DL	2ADL	PO099460.D	07 Nov 2023 12:09	AR1260 HIT,	YP/AJ	Ok,M
12	O5244-07DL	3ADL	PO099461.D	07 Nov 2023 12:26	AR1260 HIT	YP/AJ	Ok
13	O5246-03DL	15ADL	PO099462.D	07 Nov 2023 12:43	AR1260 HIT,	YP/AJ	Ok,M
14	AR1660CCC500	AR1660CCC500	PO099463.D	07 Nov 2023 13:17		YP/AJ	Ok,M
15	I.BLK	I.BLK	PO099464.D	07 Nov 2023 13:34		YP/AJ	Ok
16	PB156937BL	PB156937BL	PO099465.D	07 Nov 2023 13:51		YP/AJ	Ok,M
17	PB156937BS	PB156937BS	PO099466.D	07 Nov 2023 14:08		YP/AJ	Ok,M
18	O5258-01	01-A-01-B-01-C	PO099467.D	07 Nov 2023 14:25		YP/AJ	Ok,M

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO110723

Review By	yogesh	Review On	11/8/2023 9:15:27 AM		
Supervise By	Ankita	Supervise On	11/8/2023 11:48:26 AM		
SubDirectory	PO110723	HP Acquire Method		HP Processing Method	PO102523

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP22207,PP22208,PP22209,PP22210,PP22211,PP22212,PP22213,PP22214,PP22215,PP22216,PP22217,PP22218,PP22219,PP22220,PP22221,PP22222,PP22223,PP22224,PP22225,PP22226,PP22227,PP22228,PP22229,PP22230,PP22231,PP22232,PP22233,PP22234,PP22235,PP22236,PP22237,PP22238,PP22239,PP22240,PP22241,PP22242,PP22243,PP22244,PP22245,PP22246
CCC	PP22209,PP22214,PP22219,PP22224,PP22229,PP22234,PP22239,PP22244
Internal Standard/PEM	
ICV/I.BLK	PP22249,PP22251,PP22253,PP22255,PP22257,PP22259,PP22261,PP22263
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	O5258-02	02-A-02-B-02-C	PO099468.D	07 Nov 2023 14:42		YP/AJ	Ok,M
20	O5258-03	03-A-03-B-03-C	PO099469.D	07 Nov 2023 14:59		YP/AJ	Ok,M
21	O5258-04	04-A-04-B-04-C	PO099470.D	07 Nov 2023 15:16		YP/AJ	Ok,M
22	O5258-05	05-A-05-B-05-C	PO099471.D	07 Nov 2023 15:33		YP/AJ	Ok,M
23	O5258-06	06-A-06-B-06-C	PO099472.D	07 Nov 2023 15:50		YP/AJ	Ok,M
24	O5258-07	07-A-07-B-07-C	PO099473.D	07 Nov 2023 16:07	AR1254 hit	YP/AJ	Ok,M
25	O5258-08	08-A-08-B-08-C	PO099474.D	07 Nov 2023 16:23		YP/AJ	Ok,M
26	O5258-09	09-A-09-B-09-C	PO099475.D	07 Nov 2023 16:40		YP/AJ	Ok,M
27	O5258-10	10-A-10-B-10-C	PO099476.D	07 Nov 2023 16:57		YP/AJ	Ok,M
28	O5258-11	11-A-11-B-11-C	PO099477.D	07 Nov 2023 17:14		YP/AJ	Ok,M
29	O5258-12	12-A-12-B-12-C	PO099478.D	07 Nov 2023 17:31	AR1254+1268 HIT (need dilution) ,	YP/AJ	Dilution
30	O5258-13	13-A-14-B-14-C	PO099479.D	07 Nov 2023 17:48		YP/AJ	Ok,M
31	O5258-14	14-A-14-B-14-C	PO099480.D	07 Nov 2023 18:05	AR1254+1268 HIT (need dilution) ,	YP/AJ	Dilution
32	O5258-15	15-A-15-B-15-C	PO099481.D	07 Nov 2023 18:22		YP/AJ	Ok,M
33	O5258-16	16-A-16-B-16-C	PO099482.D	07 Nov 2023 18:39	AR1254+1268 HIT (need dilution) ,	YP/AJ	Dilution
34	O5258-17	17-A-17-B-17-C	PO099483.D	07 Nov 2023 18:56		YP/AJ	Ok,M
35	O5258-18	18-A-18-B-18-C	PO099484.D	07 Nov 2023 19:13	AR1254 hit , (need dilution)	YP/AJ	Dilution
36	AR1660CCC500	AR1660CCC500	PO099485.D	07 Nov 2023 19:58		YP/AJ	Ok,M
37	I.BLK	I.BLK	PO099486.D	07 Nov 2023 20:15		YP/AJ	Ok,M

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO110723

Review By	yogesh	Review On	11/8/2023 9:15:27 AM		
Supervise By	Ankita	Supervise On	11/8/2023 11:48:26 AM		
SubDirectory	PO110723	HP Acquire Method		HP Processing Method	PO102523

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP22207,PP22208,PP22209,PP22210,PP22211,PP22212,PP22213,PP22214,PP22215,PP22216,PP22217,PP22218,PP22219,PP22220,PP22221,PP22222,PP22223,PP22224,PP22225,PP22226,PP22227,PP22228,PP22229,PP22230,PP22231,PP22232,PP22233,PP22234,PP22235,PP22236,PP22237,PP22238,PP22239,PP22240,PP22241,PP22242,PP22243,PP22244,PP22245,PP22246
CCC	PP22209,PP22214,PP22219,PP22224,PP22229,PP22234,PP22239,PP22244
Internal Standard/PEM	
ICV/I.BLK	PP22249,PP22251,PP22253,PP22255,PP22257,PP22259,PP22261,PP22263
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	O5258-19	19-A-19-B-19-C	PO099487.D	07 Nov 2023 20:32	AR1254 hit ,	YP/AJ	Ok,M
39	O5258-20	20-A-20-B-20-C	PO099488.D	07 Nov 2023 20:49	AR1254 hit (Need Dilution)	YP/AJ	Dilution
40	O5255-01DL	P001-WC01-01DL	PO099489.D	07 Nov 2023 21:06	AR1254 + AR1260 hit ,	YP/AJ	Ok,M
41	O5255-04DL	P001-WC01-02DL	PO099490.D	07 Nov 2023 21:23	AR1254 + AR1260 hit , DCB high in both column	YP/AJ	Ok,M
42	O5258-21DL	21-A-21-B-21-CDL	PO099491.D	07 Nov 2023 21:39	AR1254 hit	YP/AJ	Ok,M
43	O5258-22DL	22-A-22-B-22-CDL	PO099492.D	07 Nov 2023 21:56	AR1254 hit	YP/AJ	Ok,M
44	O5258-23DL	23-A-23-B-23-CDL	PO099493.D	07 Nov 2023 22:13	AR1254 hit	YP/AJ	Ok,M
45	O5258-24DL	24-A-24-B-24-CDL	PO099494.D	07 Nov 2023 22:30	AR1254 hit	YP/AJ	Ok,M
46	O5258-25DL	25-A-25-B-25-CDL	PO099495.D	07 Nov 2023 22:47	AR1254 hit (Need Dilution)	YP/AJ	Not Ok
47	O5258-26DL	26-A-26-B-26-CDL	PO099496.D	07 Nov 2023 23:04	AR1254 hit	YP/AJ	Ok,M
48	O5258-27DL	27-A-27-B-27-CDL	PO099497.D	07 Nov 2023 23:21	AR1254 hit	YP/AJ	Ok,M
49	O5258-12DL	12-A-12-B-12-CDL	PO099498.D	07 Nov 2023 23:38	AR1254+1268 HIT	YP/AJ	Ok,M
50	O5258-14DL	14-A-14-B-14-CDL	PO099499.D	07 Nov 2023 23:55	AR1254+1268 HIT	YP/AJ	Ok,M
51	O5258-16DL	16-A-16-B-16-CDL	PO099500.D	08 Nov 2023 00:12	AR1254+1268 HIT	YP/AJ	Ok,M
52	O5258-18DL	18-A-18-B-18-CDL	PO099501.D	08 Nov 2023 00:29	AR1254 HIT-not used	YP/AJ	Not Ok
53	O5258-20DL	20-A-20-B-20-CDL	PO099502.D	08 Nov 2023 00:45	AR1254 hit-not used	YP/AJ	Not Ok
54	PB156948BL	PB156948BL	PO099503.D	08 Nov 2023 01:02		YP/AJ	Ok,M
55	PB156948BS	PB156948BS	PO099504.D	08 Nov 2023 01:19		YP/AJ	Ok,M
56	O5247-04	22B	PO099505.D	08 Nov 2023 01:36		YP/AJ	Ok,M
57	O5247-07	23B	PO099506.D	08 Nov 2023 01:53		YP/AJ	Ok,M

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO110723

Review By	yogesh	Review On	11/8/2023 9:15:27 AM		
Supervise By	Ankita	Supervise On	11/8/2023 11:48:26 AM		
SubDirectory	PO110723	HP Acquire Method		HP Processing Method	PO102523

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP22207,PP22208,PP22209,PP22210,PP22211,PP22212,PP22213,PP22214,PP22215,PP22216,PP22217,PP22218,PP22219,PP22220,PP22221,PP22222,PP22223,PP22224,PP22225,PP22226,PP22227,PP22228,PP22229,PP22230,PP22231,PP22232,PP22233,PP22234,PP22235,PP22236,PP22237,PP22238,PP22239,PP22240,PP22241,PP22242,PP22243,PP22244,PP22245,PP22246
CCC	PP22209,PP22214,PP22219,PP22224,PP22229,PP22234,PP22239,PP22244
Internal Standard/PEM	
ICV/I.BLK	PP22249,PP22251,PP22253,PP22255,PP22257,PP22259,PP22261,PP22263
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

58	AR1660CCC500	AR1660CCC500	PO099507.D	08 Nov 2023 02:38		YP/AJ	Ok,M
59	I.BLK	I.BLK	PO099508.D	08 Nov 2023 02:55		YP/AJ	Ok,M
60	O5247-01MSD	21BMSD	PO099509.D	08 Nov 23 03:12 am		YP/AJ	Ok,M
61	O5247-10	24B	PO099510.D	08 Nov 23 03:29 am		YP/AJ	Ok,M
62	O5247-13	25B	PO099511.D	08 Nov 2023 03:46		YP/AJ	Ok,M
63	O5247-16	26A	PO099512.D	08 Nov 23 04:03 am		YP/AJ	Ok,M
64	O5247-19	27A	PO099513.D	08 Nov 23 04:20 am		YP/AJ	Ok,M
65	O5248-02	28A	PO099514.D	08 Nov 23 04:37 am	AR1254 hit	YP/AJ	Ok,M
66	O5248-03	29A	PO099515.D	08 Nov 23 04:54 am		YP/AJ	Ok,M
67	O5248-04	30A	PO099516.D	08 Nov 23 05:10 am		YP/AJ	Ok,M
68	O5248-05	31A	PO099517.D	08 Nov 23 05:27 am		YP/AJ	Ok,M
69	O5248-06	32A	PO099518.D	08 Nov 23 05:44 am		YP/AJ	Ok,M
70	O5248-07	33A	PO099519.D	08 Nov 2023 06:01		YP/AJ	Ok,M
71	O5248-08	34A	PO099520.D	08 Nov 23 06:18 am	AR1254 hit	YP/AJ	Ok,M
72	O5248-09	35A	PO099521.D	08 Nov 23 06:35 am	AR1254 +1260 hit ,	YP/AJ	Ok,M
73	O5248-10	DUP-1	PO099522.D	08 Nov 23 07:28 am	AR1260 hit ,	YP/AJ	Ok,M
74	O5248-13	DUP-4	PO099523.D	08 Nov 23 07:45 am		YP/AJ	Ok,M
75	O5248-14	DUP-5	PO099524.D	08 Nov 23 08:01 am		YP/AJ	Ok,M
76	O5248-16	DUP-7	PO099525.D	08 Nov 23 08:18 am		YP/AJ	Ok,M
77	AR1660CCC500	AR1660CCC500	PO099526.D	08 Nov 2023 08:51		YP/AJ	Ok,M

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO110723

Review By	yogesh	Review On	11/8/2023 9:15:27 AM		
Supervise By	Ankita	Supervise On	11/8/2023 11:48:26 AM		
SubDirectory	PO110723	HP Acquire Method		HP Processing Method	PO102523

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP22207,PP22208,PP22209,PP22210,PP22211,PP22212,PP22213,PP22214,PP22215,PP22216,PP22217,PP22218,PP22219,PP22220,PP22221,PP22222,PP22223,PP22224,PP22225,PP22226,PP22227,PP22228,PP22229,PP22230,PP22231,PP22232,PP22233,PP22234,PP22235,PP22236,PP22237,PP22238,PP22239,PP22240,PP22241,PP22242,PP22243,PP22244,PP22245,PP22246
CCC	PP22209,PP22214,PP22219,PP22224,PP22229,PP22234,PP22239,PP22244
Internal Standard/PEM	
ICV/I.BLK	PP22249,PP22251,PP22253,PP22255,PP22257,PP22259,PP22261,PP22263
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

78	I.BLK	I.BLK	PO099527.D	08 Nov 2023 09:08		YP/AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP102723

Review By	yogesh	Review On	10/30/2023 8:41:45 AM		
Supervise By	mohammad	Supervise On	10/30/2023 3:43:54 PM		
SubDirectory	PP102723	HP Acquire Method		HP Processing Method	PP102723

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP22207,PP22208,PP22209,PP22210,PP22211,PP22212,PP22213,PP22214,PP22215,PP22216,PP22217,PP22218,PP22219,PP22220,PP22221,PP22222,PP22223,PP22224,PP22225,PP22226,PP22227,PP22228,PP22229,PP22230,PP22231,PP22232,PP22233,PP22234,PP22235,PP22236,PP22237,PP22238,PP22239,PP22240,PP22241,PP22242,PP22243,PP22244,PP22245,PP22246
CCC	PP22209,PP22214,PP22219,PP22224,PP22229,PP22234,PP22239,PP22244
Internal Standard/PEM	
ICV/I.BLK	PP22249,PP22251,PP22253,PP22255,PP22257,PP22259,PP22261,PP22263
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP061280.D	27 Oct 2023 10:31		YP\AJ	Ok
2	I.BLK	I.BLK	PP061281.D	27 Oct 2023 10:47		YP\AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PP061282.D	27 Oct 2023 11:03		YP\AJ	Ok
4	AR1660ICC750	AR1660ICC750	PP061283.D	27 Oct 2023 11:20		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PP061284.D	27 Oct 2023 11:36		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PP061285.D	27 Oct 2023 11:52		YP\AJ	Ok
7	AR1660ICC050	AR1660ICC050	PP061286.D	27 Oct 2023 12:08		YP\AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PP061287.D	27 Oct 2023 12:25		YP\AJ	Ok
9	AR1232ICC500	AR1232ICC500	PP061288.D	27 Oct 2023 12:41		YP\AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PP061289.D	27 Oct 2023 12:57		YP\AJ	Ok
11	AR1242ICC750	AR1242ICC750	PP061290.D	27 Oct 2023 13:13		YP\AJ	Ok
12	AR1242ICC500	AR1242ICC500	PP061291.D	27 Oct 2023 13:30		YP\AJ	Ok
13	AR1242ICC250	AR1242ICC250	PP061292.D	27 Oct 2023 13:46		YP\AJ	Ok,M
14	AR1242ICC050	AR1242ICC050	PP061293.D	27 Oct 2023 14:02		YP\AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PP061294.D	27 Oct 2023 14:19		YP\AJ	Ok
16	AR1248ICC750	AR1248ICC750	PP061295.D	27 Oct 2023 14:35		YP\AJ	Ok
17	AR1248ICC500	AR1248ICC500	PP061296.D	27 Oct 2023 14:51		YP\AJ	Ok
18	AR1248ICC250	AR1248ICC250	PP061297.D	27 Oct 2023 15:08		YP\AJ	Ok
19	AR1248ICC050	AR1248ICC050	PP061298.D	27 Oct 2023 15:24		YP\AJ	Ok,M

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP102723

Review By	yogesh	Review On	10/30/2023 8:41:45 AM		
Supervise By	mohammad	Supervise On	10/30/2023 3:43:54 PM		
SubDirectory	PP102723	HP Acquire Method		HP Processing Method	PP102723

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP22207,PP22208,PP22209,PP22210,PP22211,PP22212,PP22213,PP22214,PP22215,PP22216,PP22217,PP22218,PP22219,PP22220,PP22221,PP22222,PP22223,PP22224,PP22225,PP22226,PP22227,PP22228,PP22229,PP22230,PP22231,PP22232,PP22233,PP22234,PP22235,PP22236,PP22237,PP22238,PP22239,PP22240,PP22241,PP22242,PP22243,PP22244,PP22245,PP22246
CCC	PP22209,PP22214,PP22219,PP22224,PP22229,PP22234,PP22239,PP22244
Internal Standard/PEM	
ICV/I.BLK	PP22249,PP22251,PP22253,PP22255,PP22257,PP22259,PP22261,PP22263
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

20	AR1254ICC1000	AR1254ICC1000	PP061299.D	27 Oct 2023 15:40		YP\AJ	Ok
21	AR1254ICC750	AR1254ICC750	PP061300.D	27 Oct 2023 15:57		YP\AJ	Ok
22	AR1254ICC500	AR1254ICC500	PP061301.D	27 Oct 2023 16:13		YP\AJ	Ok
23	AR1254ICC250	AR1254ICC250	PP061302.D	27 Oct 2023 16:30		YP\AJ	Ok
24	AR1254ICC050	AR1254ICC050	PP061303.D	27 Oct 2023 16:46		YP\AJ	Ok
25	AR1262ICC500	AR1262ICC500	PP061304.D	27 Oct 2023 17:02		YP\AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PP061305.D	27 Oct 2023 17:19		YP\AJ	Ok
27	AR1268ICC750	AR1268ICC750	PP061306.D	27 Oct 2023 17:35		YP\AJ	Ok
28	AR1268ICC500	AR1268ICC500	PP061307.D	27 Oct 2023 17:51		YP\AJ	Ok
29	AR1268ICC250	AR1268ICC250	PP061308.D	27 Oct 2023 18:08		YP\AJ	Ok
30	AR1268ICC050	AR1268ICC050	PP061309.D	27 Oct 2023 18:24		YP\AJ	Ok
31	PP102723ICV500	ICVPP102723	PP061310.D	27 Oct 2023 18:41		YP\AJ	Ok
32	AR1242ICV500	ICVPP102723AR1242	PP061311.D	27 Oct 2023 18:57		YP\AJ	Ok
33	AR1248ICV500	ICVPP102723AR1248	PP061312.D	27 Oct 2023 19:14		YP\AJ	Ok
34	AR1254ICV500	ICVPP102723AR1254	PP061313.D	27 Oct 2023 19:30	AR1254-2 peak high in 1st column	YP\AJ	Not Ok
35	AR1268ICV500	ICVPP102723AR1268	PP061314.D	27 Oct 2023 19:46		YP\AJ	Ok
36	AR1254ICV500	ICVPP102723AR1254	PP061315.D	27 Oct 2023 23:34		YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP110623

Review By	yogesh	Review On	11/7/2023 8:07:13 AM		
Supervise By	Ankita	Supervise On	11/7/2023 12:02:46 PM		
SubDirectory	PP110623	HP Acquire Method		HP Processing Method	PP102723

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP22207,PP22208,PP22209,PP22210,PP22211,PP22212,PP22213,PP22214,PP22215,PP22216,PP22217,PP22218,PP22219,PP22220,PP22221,PP22222,PP22223,PP22224,PP22225,PP22226,PP22227,PP22228,PP22229,PP22230,PP22231,PP22232,PP22233,PP22234,PP22235,PP22236,PP22237,PP22238,PP22239,PP22240,PP22241,PP22242,PP22243,PP22244,PP22245,PP22246
CCC	PP22209,PP22214,PP22219,PP22224,PP22229,PP22234,PP22239,PP22244
Internal Standard/PEM	
ICV/I.BLK	PP22249,PP22251,PP22253,PP22255,PP22257,PP22259,PP22261,PP22263
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP061439.D	06 Nov 2023 09:49		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP061440.D	06 Nov 2023 10:05		YP\AJ	Ok
3	AR1242CCC500	AR1242CCC500	PP061441.D	06 Nov 2023 10:22		YP\AJ	Ok
4	AR1248CCC500	AR1248CCC500	PP061442.D	06 Nov 2023 10:39		YP\AJ	Ok
5	AR1254CCC500	AR1254CCC500	PP061443.D	06 Nov 2023 10:55		YP\AJ	Ok
6	I.BLK	I.BLK	PP061444.D	06 Nov 2023 11:17	TCMX high in sec column	YP\AJ	Ok,M
7	PB156919BL	PB156919BL	PP061445.D	06 Nov 2023 13:28		YP\AJ	Ok
8	PB156919BS	PB156919BS	PP061446.D	06 Nov 2023 13:44		YP\AJ	Ok
9	O5252-01	WASTE	PP061447.D	06 Nov 2023 14:00		YP\AJ	Ok,M
10	O5253-01	L-1(65FT)(5-10)	PP061448.D	06 Nov 2023 14:17	AR1260 hit	YP\AJ	Ok,M
11	O5253-02	L-6(0-5)	PP061449.D	06 Nov 2023 14:33		YP\AJ	Ok,M
12	O5253-03	L-3(120FT)(0-5)	PP061450.D	06 Nov 2023 14:50	AR1260 hit	YP\AJ	Ok,M
13	O5253-04	L-3(195FT)(0-5)	PP061451.D	06 Nov 2023 15:06		YP\AJ	Ok,M
14	O5256-01	WC-1	PP061452.D	06 Nov 2023 15:22		YP\AJ	Ok,M
15	O5256-05	WC-11	PP061453.D	06 Nov 2023 15:39		YP\AJ	Ok
16	O5256-09	WC-10	PP061454.D	06 Nov 2023 15:55		YP\AJ	Ok,M
17	AR1660CCC500	AR1660CCC500	PP061455.D	06 Nov 2023 16:11		YP\AJ	Ok
18	AR1242CCC500	AR1242CCC500	PP061456.D	06 Nov 2023 16:28		YP\AJ	Ok
19	AR1248CCC500	AR1248CCC500	PP061457.D	06 Nov 2023 16:44		YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP110623

Review By	yogesh	Review On	11/7/2023 8:07:13 AM		
Supervise By	Ankita	Supervise On	11/7/2023 12:02:46 PM		
SubDirectory	PP110623	HP Acquire Method		HP Processing Method	PP102723

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP22207,PP22208,PP22209,PP22210,PP22211,PP22212,PP22213,PP22214,PP22215,PP22216,PP22217,PP22218,PP22219,PP22220,PP22221,PP22222,PP22223,PP22224,PP22225,PP22226,PP22227,PP22228,PP22229,PP22230,PP22231,PP22232,PP22233,PP22234,PP22235,PP22236,PP22237,PP22238,PP22239,PP22240,PP22241,PP22242,PP22243,PP22244,PP22245,PP22246
CCC	PP22209,PP22214,PP22219,PP22224,PP22229,PP22234,PP22239,PP22244
Internal Standard/PEM	
ICV/I.BLK	PP22249,PP22251,PP22253,PP22255,PP22257,PP22259,PP22261,PP22263
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

20	AR1254CCC500	AR1254CCC500	PP061458.D	06 Nov 2023 17:01	F - flag coming	YP\AJ	Not Ok
21	I.BLK	I.BLK	PP061459.D	06 Nov 2023 17:17		YP\AJ	Ok,M
22	O5255-01	P001-WC01-01	PP061460.D	06 Nov 2023 17:33	AR1254 hit (Need Dilution) F-flag coming	YP\AJ	Not Ok
23	O5255-02MS	P001-WC01-01MS	PP061461.D	06 Nov 2023 17:50	Recovery fail AR1016 ,AR1260 , TCMX low in 1st column	YP\AJ	Not Ok
24	O5255-03MSD	P001-WC01-01MSD	PP061462.D	06 Nov 2023 18:06	Recovery fail AR1016 ,AR1260 , TCMX low in 1st column	YP\AJ	Not Ok
25	O5255-04	P001-WC01-02	PP061463.D	06 Nov 2023 18:22	AR1254 hit (Need Dilution) F-flag coming	YP\AJ	Not Ok
26	O5257-01	WC-6	PP061464.D	06 Nov 2023 18:39		YP\AJ	Not Ok
27	O5257-05	WC-2	PP061465.D	06 Nov 2023 18:55		YP\AJ	Not Ok
28	O5257-09	WC-3	PP061466.D	06 Nov 2023 19:11		YP\AJ	Not Ok
29	PB156937BL	PB156937BL	PP061467.D	06 Nov 2023 19:28		YP\AJ	Not Ok
30	PB156937BS	PB156937BS	PP061468.D	06 Nov 2023 19:44	F-flag coming	YP\AJ	Not Ok
31	AR1660CCC500	AR1660CCC500	PP061469.D	06 Nov 2023 20:21	F-flag coming	YP\AJ	Not Ok
32	AR1242CCC500	AR1242CCC500	PP061470.D	06 Nov 2023 20:37	F-flag coming	YP\AJ	Not Ok
33	AR1248CCC500	AR1248CCC500	PP061471.D	06 Nov 2023 20:54	F-flag coming	YP\AJ	Not Ok
34	AR1254CCC500	AR1254CCC500	PP061472.D	06 Nov 2023 21:10	F-flag coming	YP\AJ	Not Ok
35	I.BLK	I.BLK	PP061473.D	06 Nov 2023 21:26		YP\AJ	Not Ok
36	O5258-01	01-A-01-B-01-C	PP061474.D	06 Nov 2023 21:43	need cleanup	YP\AJ	Not Ok
37	O5258-02	02-A-02-B-02-C	PP061475.D	06 Nov 2023 21:59	need cleanup	YP\AJ	Not Ok
38	O5258-03	03-A-03-B-03-C	PP061476.D	06 Nov 2023 22:15	need cleanup	YP\AJ	Not Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP110623

Review By	yogesh	Review On	11/7/2023 8:07:13 AM		
Supervise By	Ankita	Supervise On	11/7/2023 12:02:46 PM		
SubDirectory	PP110623	HP Acquire Method		HP Processing Method	PP102723

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP22207,PP22208,PP22209,PP22210,PP22211,PP22212,PP22213,PP22214,PP22215,PP22216,PP22217,PP22218,PP22219,PP22220,PP22221,PP22222,PP22223,PP22224,PP22225,PP22226,PP22227,PP22228,PP22229,PP22230,PP22231,PP22232,PP22233,PP22234,PP22235,PP22236,PP22237,PP22238,PP22239,PP22240,PP22241,PP22242,PP22243,PP22244,PP22245,PP22246
CCC	PP22209,PP22214,PP22219,PP22224,PP22229,PP22234,PP22239,PP22244
Internal Standard/PEM	
ICV/I.BLK	PP22249,PP22251,PP22253,PP22255,PP22257,PP22259,PP22261,PP22263
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

39	O5258-04	04-A-04-B-04-C	PP061477.D	06 Nov 2023 22:32	need cleanup	YP\AJ	Not Ok
40	O5258-05	05-A-05-B-05-C	PP061478.D	06 Nov 2023 22:48	need cleanup	YP\AJ	Not Ok
41	O5258-06	06-A-06-B-06-C	PP061479.D	06 Nov 2023 23:05	need cleanup	YP\AJ	Not Ok
42	O5258-07	07-A-07-B-07-C	PP061480.D	06 Nov 2023 23:21	AR1254 hit F flag coming	YP\AJ	Not Ok
43	O5258-08	08-A-08-B-08-C	PP061481.D	06 Nov 2023 23:37	need cleanup	YP\AJ	Not Ok
44	O5258-09	09-A-09-B-09-C	PP061482.D	06 Nov 2023 23:53	need cleanup	YP\AJ	Not Ok
45	O5258-10	10-A-10-B-10-C	PP061483.D	07 Nov 2023 00:10	need cleanup	YP\AJ	Not Ok
46	O5258-11	11-A-11-B-11-C	PP061484.D	07 Nov 2023 00:26	need cleanup	YP\AJ	Not Ok
47	O5258-12	12-A-12-B-12-C	PP061485.D	07 Nov 2023 00:43	AR1260 hit (need dilution)	YP\AJ	Not Ok
48	O5258-13	13-A-14-B-14-C	PP061486.D	07 Nov 2023 00:59	need cleanup	YP\AJ	Not Ok
49	O5258-14	14-A-14-B-14-C	PP061487.D	07 Nov 2023 01:15	AR1254+1260+AR1268 hit (need dilution) please confirm hit	YP\AJ	Not Ok
50	O5258-15	15-A-15-B-15-C	PP061488.D	07 Nov 2023 01:32	need cleanup	YP\AJ	Not Ok
51	O5258-16	16-A-16-B-16-C	PP061489.D	07 Nov 2023 01:48	AR1254+AR1268 hit (need dilution)	YP\AJ	Not Ok
52	O5258-17	17-A-17-B-17-C	PP061490.D	07 Nov 2023 02:04	need cleanup	YP\AJ	Not Ok
53	O5258-18	18-A-18-B-18-C	PP061491.D	07 Nov 2023 02:21	AR1254 hit (need dilution)	YP\AJ	Not Ok
54	O5258-19	19-A-19-B-19-C	PP061492.D	07 Nov 2023 02:37	need cleanup	YP\AJ	Not Ok
55	O5258-20	20-A-20-B-20-C	PP061493.D	07 Nov 2023 02:53	AR1254 hit (need dilution)	YP\AJ	Not Ok
56	AR1660CCC500	AR1660CCC500	PP061494.D	07 Nov 2023 03:30	F-flag coming	YP\AJ	Not Ok
57	I.BLK	I.BLK	PP061495.D	07 Nov 2023 03:47	F-flag coming	YP\AJ	Not Ok

M : Manual Integration

CHEMTECH

EXTRACTION LOGPAGE

PB156919

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Acid Cleanup

Matrix : Solid

Weigh By: RJ

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 11/06/2023

Extraction Start Time : 09:10

Extraction End Date : 11/06/2023

Extraction End Time : 12:50

Concentration By: RS

Supervisor By : rajesh

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	PP22387
Surrogate	1.0ML	200 PPB	PP22594
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	EP2393
Baked Na2SO4	N/A	EP2405
Sand	N/A	E2865
Hexane	N/A	E3591
H2SO4 1:1	N/A	EP2379
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
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:

40 ML Vial lot# 03-40 BTS721. O5255-01 TO 04 Limited volume used as samples are Wood chips. O5252,5253
Added in batch at 09:50.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NE VAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/6/23	RP (EA+ 245)	AJ / MT 545 Cook
12:55	Preparation Group	Analysis Group

CHEMTECH

EXTRACTION LOGPAGE

PrepBatch ID : PB156919

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 11/06/2023

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB156919BL	ABLK919	PCB	30.03	N/A	ritesh	RUPESH	10			U1-1
PB156919BS	ALCS919	PCB	30.01	N/A	ritesh	RUPESH	10			2
O5252-01	WASTE	PCB	30.07	N/A	ritesh	RUPESH	10	B		3
O5253-01	L-1(65FT)(5-10)	PCB	30.10	N/A	ritesh	RUPESH	10	E		4
O5253-02	L-6(0-5)	PCB	30.01	N/A	ritesh	RUPESH	10	E		5
O5253-03	L-3(120FT)(0-5)	PCB	30.03	N/A	ritesh	RUPESH	10	E		6
O5253-04	L-3(195FT)(0-5)	PCB	30.05	N/A	ritesh	RUPESH	10	E		U3-1
O5255-01	P001-WC01-01	PCB	1.04	N/A	ritesh	RUPESH	10		Wood Chips	2
O5255-02	O5255-01MS	PCB	10.07	N/A	ritesh	RUPESH	10		Wood Chips	3
O5255-03	O5255-01MSD	PCB	10.09	N/A	ritesh	RUPESH	10		Wood Chips	4
O5255-04	P001-WC01-02	PCB	10.05	N/A	ritesh	RUPESH	10		Wood Chips	5
O5256-01	WC-1	PCB	30.09	N/A	ritesh	RUPESH	10	B		6
O5256-05	WC-11	PCB	30.01	N/A	ritesh	RUPESH	10	B		U5-1
O5256-09	WC-10	PCB	30.03	N/A	ritesh	RUPESH	10	B		2
O5257-01	WC-6	PCB	30.08	N/A	ritesh	RUPESH	10	B		3
O5257-05	WC-2	PCB	30.05	N/A	ritesh	RUPESH	10	B		4
O5257-09	WC-3	PCB	30.10	N/A	ritesh	RUPESH	10	B		5

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

11/6/23

1569/9
9:10

WORKLIST(Hardcopy Internal Chain)

WorkList Name : o5255 **WorkList ID :** 175302 **Department :** Extraction **Date :** 11-06-2023 08:41:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O5255-01	P001-WC01-01	Solid	PCB	Cool 4 deg C	ROYF02	L21	11/03/2023	8082A
O5255-02	O5255-01MS	Solid	PCB	Cool 4 deg C	ROYF02	L21	11/03/2023	8082A
O5255-03	O5255-01MSD	Solid	PCB	Cool 4 deg C	ROYF02	L21	11/03/2023	8082A
O5255-04	P001-WC01-02	Solid	PCB	Cool 4 deg C	ROYF02	L21	11/03/2023	8082A
O5256-01	WC-1	Solid	PCB	Cool 4 deg C	PSEG03	L31	11/03/2023	8082A
O5256-05	WC-11	Solid	PCB	Cool 4 deg C	PSEG03	L31	11/03/2023	8082A
O5256-09	WC-10	Solid	PCB	Cool 4 deg C	PSEG03	L31	11/03/2023	8082A
O5257-01	WC-6	Solid	PCB	Cool 4 deg C	PSEG03	L31	11/03/2023	8082A
O5257-05	WC-2	Solid	PCB	Cool 4 deg C	PSEG03	L31	11/03/2023	8082A
O5257-09	WC-3	Solid	PCB	Cool 4 deg C	PSEG03	L31	11/03/2023	8082A

Date/Time 11/6/23 9:05
Raw Sample Received by: RJ (Eurofins)
Raw Sample Relinquished by:

Date/Time 11/6/23 9:30
Raw Sample Received by:
Raw Sample Relinquished by: RJ (Eurofins)

WORKLIST(Hardcopy Internal Chain)

WorkList Name : O5253 **WorkList ID :** 175313 **Department :** Extraction **Date :** 11-06-2023 09:50:44

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O5252-01	WASTE	Solid	PCB	Cool 4 deg C	RMJE02	I31	11/03/2023	8082A
O5252-01	WASTE	Solid	Pesticide-TCL	Cool 4 deg C	RMJE02	I31	11/03/2023	8081B
O5253-01	L-1(65FT)(5-10)	Solid	PCB	Cool 4 deg C	GEIC06	L21	11/02/2023	8082A
O5253-01	L-1(65FT)(5-10)	Solid	Pesticide-TCL	Cool 4 deg C	GEIC06	L21	11/02/2023	8081B
O5253-02	L-6(0-5)	Solid	PCB	Cool 4 deg C	GEIC06	L21	11/03/2023	8082A
O5253-02	L-6(0-5)	Solid	Pesticide-TCL	Cool 4 deg C	GEIC06	L21	11/03/2023	8081B
O5253-03	L-3(120FT)(0-5)	Solid	PCB	Cool 4 deg C	GEIC06	L21	11/03/2023	8082A
O5253-03	L-3(120FT)(0-5)	Solid	Pesticide-TCL	Cool 4 deg C	GEIC06	L21	11/03/2023	8081B
O5253-04	L-3(195FT)(0-5)	Solid	PCB	Cool 4 deg C	GEIC06	L21	11/03/2023	8082A
O5253-04	L-3(195FT)(0-5)	Solid	Pesticide-TCL	Cool 4 deg C	GEIC06	L21	11/03/2023	8081B

Date/Time 11/6/23 9:50

Raw Sample Received by: RJ (Sign Only)

Raw Sample Relinquished by: SM

Date/Time 11/6/23 10:05

Raw Sample Received by: SM

Raw Sample Relinquished by: RJ (Sign Only)

CHEMTECH

284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	O5252	**OrderDate:**	11/3/2023 2:14:16 PM
Client:	RMJ Environomics, Inc.	**Project:**	245 Greenwood Ave
Contact:	Jonathan Pereira	**Location:**	I31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
O5252-01	**WASTE**	**SOIL**			**11/03/23**			**11/03/23**
			PCB	8082A		11/06/23	11/06/23	
			Pesticide-TCL	8081B		11/06/23	11/06/23	
			EPH	NJEPH		11/07/23	11/08/23	

CHEMTECH

SAMPLE DATA

Raw Data: FD046856.D

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

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WASTE	SDG No.:	O5252
Lab Sample ID:	O5252-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/07/23 08:55	11/08/23 7:14	PB156949

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	1.09	J	1	0.26	1.10	mg/kg	FC065055.D
Aliphatic C12-C16	Aliphatic C12-C16	1.36		1	0.15	0.74	mg/kg	FC065055.D
Aliphatic C16-C21	Aliphatic C16-C21	15.3		1	0.23	1.10	mg/kg	FC065055.D
Aliphatic C21-C28	Aliphatic C21-C28	27.2		2	1.01	2.94	mg/kg	FC065062.D
Aliphatic C28-C40	Aliphatic C28-C40	21.9		1	1.12	2.20	mg/kg	FC065055.D
Aromatic C10-C12	Aromatic C10-C12	0.76		1	0.17	0.74	mg/kg	FD046856.D
Aromatic C12-C16	Aromatic C12-C16	4.92		1	0.17	1.10	mg/kg	FD046856.D
Aromatic C16-C21	Aromatic C16-C21	10.1		1	0.33	1.84	mg/kg	FD046856.D
Aromatic C21-C36	Aromatic C21-C36	44.4		1	0.43	2.94	mg/kg	FD046856.D
Total AliphaticEPH	Total AliphaticEPH	66.8			2.78	8.07	mg/kg	
Total AromaticEPH	Total AromaticEPH	60.2			1.09	6.62	mg/kg	
Total EPH	Total EPH	127			3.87	14.7	mg/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

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

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WASTE	SDG No.:	O5252
Lab Sample ID:	O5252-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC065055.D	1	11/07/23	11/08/23	PB156949

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12		Aliphatic C9-C12	1.09	J	0.26	1.10	mg/kg
Aliphatic C12-C16		Aliphatic C12-C16	1.36		0.15	0.74	mg/kg
Aliphatic C16-C21		Aliphatic C16-C21	15.3		0.23	1.10	mg/kg
Aliphatic C21-C28		Aliphatic C21-C28	35.6	E	0.51	1.47	mg/kg
Aliphatic C28-C40		Aliphatic C28-C40	21.9		1.12	2.20	mg/kg
SURROGATES							
3383-33-2		1-chlorooctadecane (SURR)	41.5		40 - 140	83%	SPK: 50
84-15-1		ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	O5252-01	Acq On:	08 Nov 2023 07:14
Client Sample ID:	WASTE	Operator:	YP/AJ
Data file:	FC065055.D	Misc:	
Instrument:	FID_C	ALS Vial:	36
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.211	6.483	2830580	14.836	300	ug/ml
Aliphatic C12-C16	6.484	9.865	3483584	18.446	200	ug/ml
Aliphatic C16-C21	9.866	13.214	37843544	208.666	300	ug/ml
Aliphatic C21-C28	13.215	16.858	79415581	484.731	400	ug/ml
Aliphatic C28-C40	16.859	21.689	45572394	298.606	600	ug/ml
Aliphatic EPH	3.211	21.689	169145683	1030		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.946	12.946	6560449	41.5		ug/ml
Aliphatic C9-C28	3.211	16.858	123573289	726.679	1200	ug/ml

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WASTE	SDG No.:	O5252
Lab Sample ID:	O5252-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD046856.D	1	11/07/23	11/08/23	PB156949

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.76		0.17	0.74	mg/kg
Aromatic C12-C16	Aromatic C12-C16	4.92		0.17	1.10	mg/kg
Aromatic C16-C21	Aromatic C16-C21	10.1		0.33	1.84	mg/kg
Aromatic C21-C36	Aromatic C21-C36	44.4		0.43	2.94	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	55.0		40 - 140	110%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	47.0		40 - 140	94%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.8		40 - 140	78%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	O5252-01	Acq On:	08 Nov 2023 04:09
Client Sample ID:	WASTE	Operator:	YP/AJ
Data file:	FD046856.D	Misc:	
Instrument:	FID_D	ALS Vial:	78
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.196	5.923	2045792	10.401	200	ug/ml
Aromatic C12-C16	5.924	8.535	12957254	66.928	300	ug/ml
Aromatic C16-C21	8.536	12.798	24045543	137.488	500	ug/ml
Aromatic C21-C36	12.799	18.185	87521663	603.732	800	ug/ml
Aromatic EPH	4.196	18.185	126570252	818.549		ug/ml
ortho-Terphenyl (SURR)	11.376	11.376	8219948	38.82		ug/ml
2-Bromonaphthalene (SURR)	7.485	7.485	10037702	55.04		ug/ml
2-Flurobiphenyl (SURR)	8.338	8.338	5529205	46.98		ug/ml

Raw Data: **FC065062.D**

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WASTEDL	SDG No.:	O5252
Lab Sample ID:	O5252-01DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC065062.D	2	11/07/23	11/08/23	PB156949

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		1.42	J	0.53	2.20	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		1.44	J	0.31	1.47	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		14.5		0.46	2.20	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		27.2		1.01	2.94	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		24.9		2.25	4.41	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		19.0		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	O5252-01DL	Acq On:	08 Nov 2023 11:35
Client Sample ID:	WASTEDL	Operator:	YP/AJ
Data file:	FC065062.D	Misc:	
Instrument:	FID_C	ALS Vial:	15
Dilution Factor:	2	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.210	6.479	1837534	9.631	300	ug/ml
Aliphatic C12-C16	6.480	9.862	1847263	9.781	200	ug/ml
Aliphatic C16-C21	9.863	13.209	17849549	98.421	300	ug/ml
Aliphatic C21-C28	13.210	16.852	30350323	185.25	400	ug/ml
Aliphatic C28-C40	16.853	21.679	25885594	169.612	600	ug/ml
Aliphatic EPH	3.210	21.679	77770263	472.694		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.942	12.942	2997036	18.96		ug/ml
Aliphatic C9-C28	3.210	16.852	51884669	303.083	1200	ug/ml

CHEMTECH

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QC SUMMARY

CHEMTECH

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM CASE No.: 05252 SAS No.: 05252 SDG No.: 05252

Run Number: FC110723AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
T-1MS	68			0
T-1MSD	70			0
WASTE	83			0
PB156949BL	90			0
PB156949BS	79			0
PB156949BSD	79			0

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

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

CHEMTECH

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM CASE No.: O5252 SAS No.: O5252 SDG No.: O5252

Run Number: FC110823AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
WASTEDL	76			0

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

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

CHEMTECH

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM CASE No.: O5252 SAS No.: O5252 SDG No.: O5252

Run Number: FD110723AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
T-1MS	87	74	61	0
T-1MSD	88	75	62	0
WASTE	110	94	78	0
PB156949BL	74	67	81	0
PB156949BS	92	81	82	0
PB156949BSD	93	82	82	0

	QC LIMITS
2-Bromonaphthalene (SURR)	(40-140)
2-Flurobiphenyl (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

CHEMTECH

SOIL EPH SURROGATE RECOVERY

	QC LIMITS
2-Bromonaphthalene (SURR)	(40-140)
2-Flurobiphenyl (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

CHEMTECH

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** RMJ Environomics, Inc.

Lab Code: CHEM **Cas No:** O5252 **SAS No :** O5252 **SDG No:** O5252

Sample No : O5251-01MS **Datafile:** FC065043.D

Client ID : T-1MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	12.2	0	6.13	50		(40-140)
Aliphatic C12-C16	8.2	0.22	5.72	67		(40-140)
Aliphatic C16-C21	12.2	0	8.93	73		(40-140)
Aliphatic C21-C28	16.3	0	12.0	74		(40-140)
Aliphatic C28-C40	24.5	0	17.2	70		(40-140)

CHEMTECH

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** RMJ Environomics, Inc.

Lab Code: CHEM **Cas No:** O5252 **SAS No :** O5252 **SDG No:** O5252

Sample No : O5251-01MSD **Datafile:** FC065044.D

Client ID : T-1MSD

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	12.2	0	6.34	52		3.34 |	(40-140)	25
Aliphatic C12-C16	8.2	0.22	5.91	70		3.36 |	(40-140)	25
Aliphatic C16-C21	12.2	0	9.17	75		2.71 |	(40-140)	25
Aliphatic C21-C28	16.3	0	12.3	75		2.55 |	(40-140)	25
Aliphatic C28-C40	24.5	0	17.8	73		3.5 |	(40-140)	25

CHEMTECH

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** RMJ Environomics, Inc.

Lab Code: CHEM **Cas No:** O5252 **SAS No :** O5252 **SDG No:** O5252

Sample No : O5251-01MS **Datafile:** FD046844.D

Client ID : T-1MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	8.2	0.27	4.78	55		(40-140)
Aromatic C12-C16	12.2	0.37	8.94	70		(40-140)
Aromatic C16-C21	20.4	0.98	18.9	88		(40-140)
Aromatic C21-C36	32.7	1.99	31.8	91		(40-140)

CHEMTECH

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** RMJ Environomics, Inc.

Lab Code: CHEM **Cas No:** O5252 **SAS No :** O5252 **SDG No:** O5252

Sample No : O5251-01MSD **Datafile:** FD046845.D

Client ID : T-1MSD

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	8.2	0.27	4.79	56		0.36 |	(40-140)	25
Aromatic C12-C16	12.2	0.37	9.07	71		1.56 |	(40-140)	25
Aromatic C16-C21	20.4	0.98	19.1	89		1.25 |	(40-140)	25
Aromatic C21-C36	32.6	1.99	32.3	93		1.74 |	(40-140)	25

CHEMTECH

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** RMJ Environomics, Inc.

Lab Code: CHEM **Cas No:** O5252 **SAS No :** O5252 **SDG No:** O5252

Sample No : PB156949BS **Datafile:** FC065039.D

Client ID : PB156949BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	10.0	5.48	55		(40-140)
Aliphatic C12-C16	6.7	4.93	74		(40-140)
Aliphatic C16-C21	10.0	8.55	86		(40-140)
Aliphatic C21-C28	13.3	11.8	88		(40-140)
Aliphatic C28-C40	20.0	17.2	86		(40-140)

CHEMTECH

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** RMJ Environomics, Inc.

Lab Code: CHEM **Cas No:** O5252 **SAS No :** O5252 **SDG No:** O5252

Sample No : PB156949BSD **Datafile:** FC065040.D

Client ID : PB156949BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	10	5.62	56		2.6|	(40-140)	50
Aliphatic C12-C16	6.7	5.08	76		3|	(40-140)	50
Aliphatic C16-C21	10	8.85	89		3.5|	(40-140)	50
Aliphatic C21-C28	13.3	12.2	92		3.4|	(40-140)	50
Aliphatic C28-C40	20.0	17.5	88		1.8|	(40-140)	50

CHEMTECH

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** RMJ Environomics, Inc.

Lab Code: CHEM **Cas No:** O5252 **SAS No :** O5252 **SDG No:** O5252

Sample No : PB156949BS **Datafile:** FD046840.D

Client ID : PB156949BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	6.7	3.97	60		(40-140)
Aromatic C12-C16	10.0	7.36	74		(40-140)
Aromatic C16-C21	16.7	14.6	88		(40-140)
Aromatic C21-C36	26.7	23.5	88		(40-140)

CHEMTECH

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** RMJ Environomics, Inc.

Lab Code: CHEM **Cas No:** O5252 **SAS No :** O5252 **SDG No:** O5252

Sample No : PB156949BSD **Datafile:** FD046841.D

Client ID : PB156949BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	6.7	4.04	61		1.8|	(40-140)	50
Aromatic C12-C16	10	7.45	75		1.3|	(40-140)	50
Aromatic C16-C21	16.7	14.8	89		1.5|	(40-140)	50
Aromatic C21-C36	26.6	24.2	91		3.1|	(40-140)	50

CHEMTECH

4B

METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB156949BL

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: O5252 SAS No.: O5252 SDG NO.: O5252

Instrument ID: FID_C Lab Sample ID: PB156949BL

Matrix: (soil/water) Solid Date Extracted: 11/7/2023 8:55:00 A

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB156949BS	PB156949BS
PB156949BSD	PB156949BSD
T-1MS	O5251-01MS
T-1MSD	O5251-01MSD
WASTE	O5252-01

COMMENTS:

CHEMTECH

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QC SAMPLE DATA

Raw Data: **FC065038.D**

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	PB156949BL	SDG No.:	O5252
Lab Sample ID:	PB156949BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/07/23 08:55	11/07/23 20:40	PB156949

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.24	U	1	0.24	1.00	mg/kg	FC065038.D
Aliphatic C12-C16	Aliphatic C12-C16	0.14	U	1	0.14	0.67	mg/kg	FC065038.D
Aliphatic C16-C21	Aliphatic C16-C21	0.21	U	1	0.21	1.00	mg/kg	FC065038.D
Aliphatic C21-C28	Aliphatic C21-C28	0.46	U	1	0.46	1.33	mg/kg	FC065038.D
Aliphatic C28-C40	Aliphatic C28-C40	1.02	U	1	1.02	2.00	mg/kg	FC065038.D
Aromatic C10-C12	Aromatic C10-C12	0.15	U	1	0.15	0.67	mg/kg	FD046839.D
Aromatic C12-C16	Aromatic C12-C16	0.15	U	1	0.15	1.00	mg/kg	FD046839.D
Aromatic C16-C21	Aromatic C16-C21	0.30	U	1	0.30	1.67	mg/kg	FD046839.D
Aromatic C21-C36	Aromatic C21-C36	0.39	U	1	0.39	2.67	mg/kg	FD046839.D
Total AliphaticEPH	Total AliphaticEPH	2.07	U		2.07	6.00	mg/kg	
Total AromaticEPH	Total AromaticEPH	0.99	U		0.99	6.01	mg/kg	
Total EPH	Total EPH	3.06	U		3.06	12.0	mg/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

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: **FC065038.D**

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	PB156949BL	SDG No.:	O5252
Lab Sample ID:	PB156949BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC065038.D	1	11/07/23	11/07/23	PB156949

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12		Aliphatic C9-C12	0.24	U	0.24	1.00	mg/kg
Aliphatic C12-C16		Aliphatic C12-C16	0.14	U	0.14	0.67	mg/kg
Aliphatic C16-C21		Aliphatic C16-C21	0.21	U	0.21	1.00	mg/kg
Aliphatic C21-C28		Aliphatic C21-C28	0.46	U	0.46	1.33	mg/kg
Aliphatic C28-C40		Aliphatic C28-C40	1.02	U	1.02	2.00	mg/kg
SURROGATES							
3383-33-2		1-chlorooctadecane (SURR)	45.1		40 - 140	90%	SPK: 50
84-15-1		ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB156949BL	Acq On:	07 Nov 2023 20:40
Client Sample ID:	PB156949BL	Operator:	YP/AJ
Data file:	FC065038.D	Misc:	
Instrument:	FID_C	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.211	6.483	0	0	300	ug/ml
Aliphatic C12-C16	6.484	9.865	0	0	200	ug/ml
Aliphatic C16-C21	9.866	13.214	0	0	300	ug/ml
Aliphatic C21-C28	13.215	16.858	0	0	400	ug/ml
Aliphatic C28-C40	16.859	21.689	0	0	600	ug/ml
Aliphatic EPH	3.211	21.689	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.948	12.948	7136989	45.15		ug/ml
Aliphatic C9-C28	3.211	16.858	0	0	1200	ug/ml

Raw Data: **FD046839.D**

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Report of Analysis

Client:	RMJ Environomics, Inc.		Date Collected:		
Project:	245 Greenwood Ave		Date Received:		
Client Sample ID:	PB156949BL		SDG No.:	O5252	
Lab Sample ID:	PB156949BL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.01 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD046839.D	1	11/07/23	11/07/23	PB156949

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.15	U	0.15	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.15	U	0.15	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	0.30	U	0.30	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	0.39	U	0.39	2.67	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	37.2		40 - 140	74%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	33.4		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.5		40 - 140	81%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB156949BL	Acq On:	07 Nov 2023 17:30
Client Sample ID:	PB156949BL	Operator:	YP/AJ
Data file:	FD046839.D	Misc:	
Instrument:	FID_D	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.196	5.923	0	0	200	ug/ml
Aromatic C12-C16	5.924	8.535	0	0	300	ug/ml
Aromatic C16-C21	8.536	12.798	0	0	500	ug/ml
Aromatic C21-C36	12.799	18.185	0	0	800	ug/ml
Aromatic EPH	4.196	18.185	0	0		ug/ml
2-Bromonaphthalene (SURR)	7.484	7.484	6788267	37.22		ug/ml
2-Flurobiphenyl (SURR)	8.337	8.337	3925413	33.36		ug/ml
ortho-Terphenyl (SURR)	11.377	11.377	8576851	40.5		ug/ml

Raw Data: **FC065039.D**

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	PB156949BS	SDG No.:	O5252
Lab Sample ID:	PB156949BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/07/23 08:55	11/07/23 21:17	PB156949

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5.48		1	0.24	1.00	mg/kg	FC065039.D
Aliphatic C12-C16	Aliphatic C12-C16	4.93		1	0.14	0.67	mg/kg	FC065039.D
Aliphatic C16-C21	Aliphatic C16-C21	8.55		1	0.21	1.00	mg/kg	FC065039.D
Aliphatic C21-C28	Aliphatic C21-C28	11.8		1	0.46	1.33	mg/kg	FC065039.D
Aliphatic C28-C40	Aliphatic C28-C40	17.2		1	1.02	2.00	mg/kg	FC065039.D
Aromatic C10-C12	Aromatic C10-C12	3.97		1	0.15	0.67	mg/kg	FD046840.D
Aromatic C12-C16	Aromatic C12-C16	7.36		1	0.15	1.00	mg/kg	FD046840.D
Aromatic C16-C21	Aromatic C16-C21	14.6		1	0.30	1.67	mg/kg	FD046840.D
Aromatic C21-C36	Aromatic C21-C36	23.5		1	0.39	2.67	mg/kg	FD046840.D
Total AliphaticEPH	Total AliphaticEPH	48.0			2.07	6.00	mg/kg	
Total AromaticEPH	Total AromaticEPH	49.4			0.99	6.01	mg/kg	
Total EPH	Total EPH	97.4			3.06	12.0	mg/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

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: **FC065039.D**

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	PB156949BS	SDG No.:	O5252
Lab Sample ID:	PB156949BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC065039.D	1	11/07/23	11/07/23	PB156949

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.48		0.24	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	4.93		0.14	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	8.55		0.21	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	11.8		0.46	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	17.2		1.02	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.3		40 - 140	79%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB156949BS	Acq On:	07 Nov 2023 21:17
Client Sample ID:	PB156949BS	Operator:	YP/AJ
Data file:	FC065039.D	Misc:	
Instrument:	FID_C	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.211	6.483	15676310	82.163	300	ug/ml
Aliphatic C12-C16	6.484	9.865	13974222	73.994	200	ug/ml
Aliphatic C16-C21	9.866	13.214	23249879	128.198	300	ug/ml
Aliphatic C21-C28	13.215	16.858	29117163	177.723	400	ug/ml
Aliphatic C28-C40	16.859	21.689	39298478	257.497	600	ug/ml
Aliphatic EPH	3.211	21.689	121316052	719.575		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.949	12.949	6207373	39.27		ug/ml
Aliphatic C9-C28	3.211	16.858	82017574	462.078	1200	ug/ml

Raw Data: **FD046840.D**

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Report of Analysis

Client:	RMJ Environomics, Inc.		Date Collected:		
Project:	245 Greenwood Ave		Date Received:		
Client Sample ID:	PB156949BS		SDG No.:	O5252	
Lab Sample ID:	PB156949BS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD046840.D	1	11/07/23	11/07/23	PB156949

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	3.97		0.15	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	7.36		0.15	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	14.6		0.30	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	23.5		0.39	2.67	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	46.0		40 - 140	92%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	40.6		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.8		40 - 140	82%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB156949BS	Acq On:	07 Nov 2023 18:08
Client Sample ID:	PB156949BS	Operator:	YP/AJ
Data file:	FD046840.D	Misc:	
Instrument:	FID_D	ALS Vial:	62
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.196	5.923	11726564	59.621	200	ug/ml
Aromatic C12-C16	5.924	8.535	21360596	110.334	300	ug/ml
Aromatic C16-C21	8.536	12.798	38432296	219.749	500	ug/ml
Aromatic C21-C36	12.799	18.185	51147559	352.82	800	ug/ml
Aromatic EPH	4.196	18.185	122667015	742.524		ug/ml
2-Bromonaphthalene (SURR)	7.485	7.485	8396396	46.04		ug/ml
2-Flurobiphenyl (SURR)	8.338	8.338	4774343	40.57		ug/ml
ortho-Terphenyl (SURR)	11.377	11.377	8637285	40.79		ug/ml

Raw Data: **FC065040.D**

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	PB156949BSD	SDG No.:	O5252
Lab Sample ID:	PB156949BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/07/23 08:55	11/07/23 21:55	PB156949

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5.62		1	0.24	1.00	mg/kg	FC065040.D
Aliphatic C12-C16	Aliphatic C12-C16	5.08		1	0.14	0.67	mg/kg	FC065040.D
Aliphatic C16-C21	Aliphatic C16-C21	8.85		1	0.21	1.00	mg/kg	FC065040.D
Aliphatic C21-C28	Aliphatic C21-C28	12.2		1	0.46	1.33	mg/kg	FC065040.D
Aliphatic C28-C40	Aliphatic C28-C40	17.5		1	1.02	2.00	mg/kg	FC065040.D
Aromatic C10-C12	Aromatic C10-C12	4.04		1	0.15	0.67	mg/kg	FD046841.D
Aromatic C12-C16	Aromatic C12-C16	7.45		1	0.15	1.00	mg/kg	FD046841.D
Aromatic C16-C21	Aromatic C16-C21	14.8		1	0.30	1.67	mg/kg	FD046841.D
Aromatic C21-C36	Aromatic C21-C36	24.2		1	0.39	2.66	mg/kg	FD046841.D
Total AliphaticEPH	Total AliphaticEPH	49.3			2.07	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	50.5			0.99	6.00	mg/kg	
Total EPH	Total EPH	99.7			3.06	12.0	mg/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

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: **FC065040.D**

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	PB156949BSD	SDG No.:	O5252
Lab Sample ID:	PB156949BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC065040.D	1	11/07/23	11/07/23	PB156949

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.62		0.24	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.08		0.14	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	8.85		0.21	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	12.2		0.46	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	17.5		1.02	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.4		40 - 140	79%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB156949BSD	Acq On:	07 Nov 2023 21:55
Client Sample ID:	PB156949BSD	Operator:	YP/AJ
Data file:	FC065040.D	Misc:	
Instrument:	FID_C	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.211	6.483	16112223	84.448	300	ug/ml
Aliphatic C12-C16	6.484	9.865	14405292	76.276	200	ug/ml
Aliphatic C16-C21	9.866	13.214	24088853	132.824	300	ug/ml
Aliphatic C21-C28	13.215	16.858	29925452	182.657	400	ug/ml
Aliphatic C28-C40	16.859	21.689	40105322	262.784	600	ug/ml
Aliphatic EPH	3.211	21.689	124637142	738.989		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.947	12.947	6227333	39.39		ug/ml
Aliphatic C9-C28	3.211	16.858	84531820	476.205	1200	ug/ml

Raw Data: **FD046841.D**

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Report of Analysis

Client:	RMJ Environomics, Inc.		Date Collected:		
Project:	245 Greenwood Ave		Date Received:		
Client Sample ID:	PB156949BSD		SDG No.:	O5252	
Lab Sample ID:	PB156949BSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.03 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD046841.D	1	11/07/23	11/07/23	PB156949

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	4.04		0.15	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	7.45		0.15	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	14.8		0.30	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	24.2		0.39	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	46.7		40 - 140	93%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	41.2		40 - 140	82%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.2		40 - 140	82%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB156949BSD	Acq On:	07 Nov 2023 18:46
Client Sample ID:	PB156949BSD	Operator:	YP/AJ
Data file:	FD046841.D	Misc:	
Instrument:	FID_D	ALS Vial:	63
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.196	5.923	11923237	60.621	200	ug/ml
Aromatic C12-C16	5.924	8.535	21653892	111.849	300	ug/ml
Aromatic C16-C21	8.536	12.798	38894689	222.393	500	ug/ml
Aromatic C21-C36	12.799	18.185	52768465	364.001	800	ug/ml
Aromatic EPH	4.196	18.185	125240283	758.864		ug/ml
2-Bromonaphthalene (SURR)	7.485	7.485	8515169	46.69		ug/ml
2-Flurobiphenyl (SURR)	8.338	8.338	4845314	41.17		ug/ml
ortho-Terphenyl (SURR)	11.376	11.376	8723372	41.2		ug/ml

Raw Data: **FC065043.D**

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	T-1MS	SDG No.:	O5252
Lab Sample ID:	O5251-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.6
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/07/23 08:55	11/07/23 23:47	PB156949

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	6.13		1	0.29	1.22	mg/kg	FC065043.D
Aliphatic C12-C16	Aliphatic C12-C16	5.72		1	0.17	0.82	mg/kg	FC065043.D
Aliphatic C16-C21	Aliphatic C16-C21	8.93		1	0.26	1.22	mg/kg	FC065043.D
Aliphatic C21-C28	Aliphatic C21-C28	12.0		1	0.56	1.63	mg/kg	FC065043.D
Aliphatic C28-C40	Aliphatic C28-C40	17.2		1	1.25	2.45	mg/kg	FC065043.D
Aromatic C10-C12	Aromatic C10-C12	4.78		1	0.18	0.82	mg/kg	FD046844.D
Aromatic C12-C16	Aromatic C12-C16	8.94		1	0.18	1.22	mg/kg	FD046844.D
Aromatic C16-C21	Aromatic C16-C21	18.9		1	0.37	2.04	mg/kg	FD046844.D
Aromatic C21-C36	Aromatic C21-C36	31.8		1	0.48	3.27	mg/kg	FD046844.D
Total AliphaticEPH	Total AliphaticEPH	50.0			2.54	7.34	mg/kg	
Total AromaticEPH	Total AromaticEPH	64.4			1.21	7.35	mg/kg	
Total EPH	Total EPH	114			3.75	14.7	mg/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

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: **FC065043.D**

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	T-1MS	SDG No.:	O5252
Lab Sample ID:	O5251-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.6
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC065043.D	1	11/07/23	11/07/23	PB156949

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	6.13		0.29	1.22	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.72		0.17	0.82	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	8.93		0.26	1.22	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	12.0		0.56	1.63	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	17.2		1.25	2.45	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.1		40 - 140	68%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	O5251-01MS	Acq On:	07 Nov 2023 23:47
Client Sample ID:	T-1MS	Operator:	YP/AJ
Data file:	FC065043.D	Misc:	
Instrument:	FID_C	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.211	6.483	14324573	75.079	300	ug/ml
Aliphatic C12-C16	6.484	9.865	13240551	70.109	200	ug/ml
Aliphatic C16-C21	9.866	13.214	19842884	109.412	300	ug/ml
Aliphatic C21-C28	13.215	16.858	24157839	147.453	400	ug/ml
Aliphatic C28-C40	16.859	21.689	32238422	211.238	600	ug/ml
Aliphatic EPH	3.211	21.689	103804269	613.29		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.946	12.946	5398709	34.15		ug/ml
Aliphatic C9-C28	3.211	16.858	71565847	402.053	1200	ug/ml

Raw Data: **FD046844.D**

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	T-1MS	SDG No.:	O5252
Lab Sample ID:	O5251-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.6
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD046844.D	1	11/07/23	11/07/23	PB156949

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	4.78		0.18	0.82	mg/kg
Aromatic C12-C16	Aromatic C12-C16	8.94		0.18	1.22	mg/kg
Aromatic C16-C21	Aromatic C16-C21	18.9		0.37	2.04	mg/kg
Aromatic C21-C36	Aromatic C21-C36	31.8		0.48	3.27	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	43.4		40 - 140	87%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	37.2		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.7		40 - 140	61%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	O5251-01MS	Acq On:	07 Nov 2023 20:40
Client Sample ID:	T-1MS	Operator:	YP/AJ
Data file:	FD046844.D	Misc:	
Instrument:	FID_D	ALS Vial:	66
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.196	5.923	11506189	58.501	200	ug/ml
Aromatic C12-C16	5.924	8.535	21197353	109.491	300	ug/ml
Aromatic C16-C21	8.536	12.798	40437398	231.214	500	ug/ml
Aromatic C21-C36	12.799	18.185	56383008	388.935	800	ug/ml
Aromatic EPH	4.196	18.185	129523948	788.14		ug/ml
2-Bromonaphthalene (SURR)	7.485	7.485	7914024	43.39		ug/ml
2-Flurobiphenyl (SURR)	8.337	8.337	4379981	37.22		ug/ml
ortho-Terphenyl (SURR)	11.375	11.375	6494033	30.67		ug/ml

Raw Data: **FC065044.D**

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	T-1MSD	SDG No.:	O5252
Lab Sample ID:	O5251-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.6
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/07/23 08:55	11/08/23 0:24	PB156949

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	6.34		1	0.29	1.22	mg/kg	FC065044.D
Aliphatic C12-C16	Aliphatic C12-C16	5.91		1	0.17	0.82	mg/kg	FC065044.D
Aliphatic C16-C21	Aliphatic C16-C21	9.17		1	0.26	1.22	mg/kg	FC065044.D
Aliphatic C21-C28	Aliphatic C21-C28	12.3		1	0.56	1.63	mg/kg	FC065044.D
Aliphatic C28-C40	Aliphatic C28-C40	17.8		1	1.25	2.45	mg/kg	FC065044.D
Aromatic C10-C12	Aromatic C10-C12	4.79		1	0.18	0.82	mg/kg	FD046845.D
Aromatic C12-C16	Aromatic C12-C16	9.07		1	0.18	1.22	mg/kg	FD046845.D
Aromatic C16-C21	Aromatic C16-C21	19.1		1	0.37	2.04	mg/kg	FD046845.D
Aromatic C21-C36	Aromatic C21-C36	32.3		1	0.48	3.26	mg/kg	FD046845.D
Total AliphaticEPH	Total AliphaticEPH	51.5			2.54	7.34	mg/kg	
Total AromaticEPH	Total AromaticEPH	65.3			1.21	7.34	mg/kg	
Total EPH	Total EPH	117			3.75	14.7	mg/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

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: **FC065044.D**

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	T-1MSD	SDG No.:	O5252
Lab Sample ID:	O5251-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.6
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC065044.D	1	11/07/23	11/08/23	PB156949

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	6.34		0.29	1.22	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.91		0.17	0.82	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	9.17		0.26	1.22	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	12.3		0.56	1.63	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	17.8		1.25	2.45	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.0		40 - 140	70%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	O5251-01MSD	Acq On:	08 Nov 2023 00:24
Client Sample ID:	T-1MSD	Operator:	YP/AJ
Data file:	FC065044.D	Misc:	
Instrument:	FID_C	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.211	6.483	14824529	77.699	300	ug/ml
Aliphatic C12-C16	6.484	9.865	13683755	72.456	200	ug/ml
Aliphatic C16-C21	9.866	13.214	20377496	112.36	300	ug/ml
Aliphatic C21-C28	13.215	16.858	24783706	151.273	400	ug/ml
Aliphatic C28-C40	16.859	21.689	33215414	217.639	600	ug/ml
Aliphatic EPH	3.211	21.689	106884900	631.426		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.946	12.946	5530563	34.98		ug/ml
Aliphatic C9-C28	3.211	16.858	73669486	413.788	1200	ug/ml

Raw Data: **FD046845.D**

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	T-1MSD	SDG No.:	O5252
Lab Sample ID:	O5251-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.6
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD046845.D	1	11/07/23	11/07/23	PB156949

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	4.79		0.18	0.82	mg/kg
Aromatic C12-C16	Aromatic C12-C16	9.07		0.18	1.22	mg/kg
Aromatic C16-C21	Aromatic C16-C21	19.1		0.37	2.04	mg/kg
Aromatic C21-C36	Aromatic C21-C36	32.3		0.48	3.26	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	44.0		40 - 140	88%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	37.7		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.9		40 - 140	62%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	O5251-01MSD	Acq On:	07 Nov 2023 21:17
Client Sample ID:	T-1MSD	Operator:	YP/AJ
Data file:	FD046845.D	Misc:	
Instrument:	FID_D	ALS Vial:	67
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.196	5.923	11555316	58.751	200	ug/ml
Aromatic C12-C16	5.924	8.535	21526362	111.19	300	ug/ml
Aromatic C16-C21	8.536	12.798	40904459	233.884	500	ug/ml
Aromatic C21-C36	12.799	18.185	57303454	395.284	800	ug/ml
Aromatic EPH	4.196	18.185	131289591	799.109		ug/ml
2-Bromonaphthalene (SURR)	7.485	7.485	8016129	43.95		ug/ml
2-Flurobiphenyl (SURR)	8.338	8.338	4434265	37.68		ug/ml
ortho-Terphenyl (SURR)	11.375	11.375	6549637	30.93		ug/ml

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CALIBRATION SUMMARY

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

Inital Calibration Report for SequenceID : FC102823AL

AreaCount

Parameter Range	FC064937.D	FC064938.D	FC064939.D	FC064940.D	FC064941.D	
Aliphatic C9-C12	52899943.000	26115406.000	11884224.000	5997498.000	3083241.000	
Aliphatic C12-C16	35159776.000	17391285.000	7856026.000	3968434.000	1997483.000	
Aliphatic C16-C21	49863891.000	24975646.000	11265008.000	5791628.000	2899148.000	
Aliphatic C21-C28	59063975.000	29904099.000	13639476.000	6988011.000	3535962.000	
Aliphatic C28-C40	80569418.000	41297731.000	18935333.000	9798155.000	5101387.000	
Aliphatic EPH	277557003.000	139684167.000	63580067.000	32543726.000	16617221.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	190794.4499998	7.603				
Aliphatic C12-C16	188856.476	6.806				
Aliphatic C16-C21	181359.6419996	7.649				
Aliphatic C21-C28	163834.4515	8.616				
Aliphatic C28-C40	152616.9449996	10.384				
Aliphatic EPH	170289.7057774	8.523				

Concentration

Parameter Range	FC064937.D	FC064938.D	FC064939.D	FC064940.D	FC064941.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	FC064937.D	FC064938.D	FC064939.D	FC064940.D	FC064941.D	
Aliphatic C9-C12	176333.143333	174102.706666	198070.400000	199916.600000	205549.400000	
Aliphatic C12-C16	175798.880000	173912.850000	196400.650000	198421.700000	199748.300000	
Aliphatic C16-C21	166212.970000	166504.306666	187750.133333	193054.266666	193276.533333	
Aliphatic C21-C28	147659.937500	149520.495000	170493.450000	174700.275000	176798.100000	
Aliphatic C28-C40	134282.363333	137659.103333	157794.441666	163302.583333	170046.233333	

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Inital Calibration Report for SequenceID : FC102823AL

Aliphatic EPH	154198.335000	155204.630000	176611.297222	180798.477777	184635.788888	

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Inital Calibration Report for SequenceID : FD102723AR

AreaCount

Parameter Range	FD046794.D	FD046795.D	FD046796.D	FD046797.D	FD046798.D	
Aromatic C10-C12	35141278.000	18095173.000	7951699.000	4137135.000	2211143.000	
Aromatic C12-C16	52673601.000	26984555.000	11788474.000	6101200.000	3190101.000	
Aromatic C16-C21	65864998.000	33243577.000	14272519.000	7220355.000	3693279.000	
Aromatic C21-C36	121049761.000	61092446.000	26388828.000	13572229.000	7072710.000	
Aromatic EPH	274729638.000	139415751.000	60401520.000	31030919.000	16167233.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	196684.329	9.486				
Aromatic C12-C16	193599.4006664	8.085				
Aromatic C16-C21	174891.9385	5.108				
Aromatic C21-C36	144967.8406664	6.723				
Aromatic EPH	165469.1766664	6.96				

Concentration

Parameter Range	FD046794.D	FD046795.D	FD046796.D	FD046797.D	FD046798.D	
Aromatic C10-C12	200.000	100.000	40.000	20.000	10.000	
Aromatic C12-C16	300.000	150.000	60.000	30.000	15.000	
Aromatic C16-C21	400.000	200.000	80.000	40.000	20.000	
Aromatic C21-C36	900.000	450.000	180.000	90.000	45.000	
Aromatic EPH	1800.000	900.000	360.000	180.000	90.000	

Response Factor

Parameter Range	FD046794.D	FD046795.D	FD046796.D	FD046797.D	FD046798.D	
Aromatic C10-C12	175706.390000	180951.730000	198792.475000	206856.750000	221114.300000	
Aromatic C12-C16	175578.670000	179897.033333	196474.566666	203373.333333	212673.400000	
Aromatic C16-C21	164662.495000	166217.885000	178406.487500	180508.875000	184663.950000	
Aromatic C21-C36	134499.734444	135760.991111	146604.600000	150802.544444	157171.333333	
Aromatic EPH	152627.576666	154906.390000	167782.000000	172393.994444	179635.922222	

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Continuing Calibration Report for SequenceID : FC110723AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC065037.D**						
Aliphatic C9-C12	11419136.000	60.000	3.211	6.483	190318.933	190794.450	0.249
Aliphatic C12-C16	7505684.000	40.000	6.484	9.865	187642.100	188856.476	0.643
Aliphatic C16-C21	10583830.000	60.000	9.866	13.214	176397.167	181359.642	2.736
Aliphatic C21-C28	12712462.000	80.000	13.215	16.858	158905.775	163834.452	3.008
Aliphatic C28-C40	18660728.000	120.000	16.859	21.689	155506.067	152616.945	-1.893
Aliphatic EPH	60881840.000	360.000	3.211	21.689	169116.222	170289.706	0.689

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	07 Nov 2023 19:24
Client Sample ID:		Operator:	YP/AJ
Data file:	FC065037.D	Misc:	
Instrument:	FID_C	ALS Vial:	6
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.211	6.483	11419136.000	60.000	ug/ml
Aliphatic C12-C16	6.484	9.865	7505684.000	40.000	ug/ml
Aliphatic C16-C21	9.866	13.214	10583830.000	60.000	ug/ml
Aliphatic C21-C28	13.215	16.858	12712462.000	80.000	ug/ml
Aliphatic C28-C40	16.859	21.689	18660728.000	120.000	ug/ml
Aliphatic EPH	3.211	21.689	60881840.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FC110723AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC065057.D**						
Aliphatic C9-C12	11973745.000	60.000	3.211	6.483	199562.417	190794.450	-4.596
Aliphatic C12-C16	7732592.000	40.000	6.484	9.865	193314.800	188856.476	-2.361
Aliphatic C16-C21	10770619.000	60.000	9.866	13.214	179510.317	181359.642	1.020
Aliphatic C21-C28	12900481.000	80.000	13.215	16.858	161256.013	163834.452	1.574
Aliphatic C28-C40	18438248.000	120.000	16.859	21.689	153652.067	152616.945	-0.678
Aliphatic EPH	61815685.000	360.000	3.211	21.689	171710.236	170289.706	-0.834

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	08 Nov 2023 08:29
Client Sample ID:		Operator:	YP/AJ
Data file:	FC065057.D	Misc:	
Instrument:	FID_C	ALS Vial:	6
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.211	6.483	11973745.000	60.000	ug/ml
Aliphatic C12-C16	6.484	9.865	7732592.000	40.000	ug/ml
Aliphatic C16-C21	9.866	13.214	10770619.000	60.000	ug/ml
Aliphatic C21-C28	13.215	16.858	12900481.000	80.000	ug/ml
Aliphatic C28-C40	16.859	21.689	18438248.000	120.000	ug/ml
Aliphatic EPH	3.211	21.689	61815685.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FC110823AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC065060.D**						
Aliphatic C9-C12	12192589.000	60.000	3.210	6.479	203209.817	190794.450	-6.507
Aliphatic C12-C16	7855125.000	40.000	6.480	9.862	196378.125	188856.476	-3.983
Aliphatic C16-C21	10932343.000	60.000	9.863	13.209	182205.717	181359.642	-0.467
Aliphatic C21-C28	13078488.000	80.000	13.210	16.852	163481.100	163834.452	0.216
Aliphatic C28-C40	18666955.000	120.000	16.853	21.679	155557.958	152616.945	-1.927
Aliphatic EPH	62725500.000	360.000	3.210	21.679	174237.500	170289.706	-2.318

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	08 Nov 2023 10:21
Client Sample ID:		Operator:	YP/AJ
Data file:	FC065060.D	Misc:	
Instrument:	FID_C	ALS Vial:	6
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.210	6.479	12192589.000	60.000	ug/ml
Aliphatic C12-C16	6.480	9.862	7855125.000	40.000	ug/ml
Aliphatic C16-C21	9.863	13.209	10932343.000	60.000	ug/ml
Aliphatic C21-C28	13.210	16.852	13078488.000	80.000	ug/ml
Aliphatic C28-C40	16.853	21.679	18666955.000	120.000	ug/ml
Aliphatic EPH	3.210	21.679	62725500.000	360.000	ug/ml

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

Continuing Calibration Report for SequenceID : FC110823AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC065064.D**						
Aliphatic C9-C12	12004076.000	60.000	3.210	6.479	200067.933	190794.450	-4.860
Aliphatic C12-C16	7833771.000	40.000	6.480	9.862	195844.275	188856.476	-3.700
Aliphatic C16-C21	10957602.000	60.000	9.863	13.209	182626.700	181359.642	-0.699
Aliphatic C21-C28	13143703.000	80.000	13.210	16.852	164296.288	163834.452	-0.282
Aliphatic C28-C40	18759699.000	120.000	16.853	21.679	156330.825	152616.945	-2.433
Aliphatic EPH	62698851.000	360.000	3.210	21.679	174163.475	170289.706	-2.275

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	08 Nov 2023 13:26
Client Sample ID:		Operator:	YP/AJ
Data file:	FC065064.D	Misc:	
Instrument:	FID_C	ALS Vial:	6
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.210	6.479	12004076.000	60.000	ug/ml
Aliphatic C12-C16	6.480	9.862	7833771.000	40.000	ug/ml
Aliphatic C16-C21	9.863	13.209	10957602.000	60.000	ug/ml
Aliphatic C21-C28	13.210	16.852	13143703.000	80.000	ug/ml
Aliphatic C28-C40	16.853	21.679	18759699.000	120.000	ug/ml
Aliphatic EPH	3.210	21.679	62698851.000	360.000	ug/ml

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

Continuing Calibration Report for SequenceID : FD110723AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD046838.D**						
Aromatic C10-C12	7666603.000	40.000	4.196	5.923	191665.075	196684.329	2.552
Aromatic C12-C16	11384136.000	60.000	5.924	8.535	189735.600	193599.401	1.996
Aromatic C16-C21	13373136.000	80.000	8.536	12.798	167164.200	174891.939	4.419
Aromatic C21-C36	24866167.000	180.000	12.799	18.185	138145.372	144967.841	4.706
Aromatic EPH	57290042.000	360.000	4.196	18.185	159139.006	165469.177	3.826

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

Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	07 Nov 2023 14:15
Client Sample ID:		Operator:	YP/AJ
Data file:	FD046838.D	Misc:	
Instrument:	FID_D	ALS Vial:	53
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.196	5.923	7666603.000	40.000	ug/ml
Aromatic C12-C16	5.924	8.535	11384136.000	60.000	ug/ml
Aromatic C16-C21	8.536	12.798	13373136.000	80.000	ug/ml
Aromatic C21-C36	12.799	18.185	24866167.000	180.000	ug/ml
Aromatic EPH	4.196	18.185	57290042.000	360.000	ug/ml

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

Continuing Calibration Report for SequenceID : FD110723AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD046858.D**						
Aromatic C10-C12	7968125.000	40.000	4.196	5.923	199203.125	196684.329	-1.281
Aromatic C12-C16	11850876.000	60.000	5.924	8.535	197514.600	193599.401	-2.022
Aromatic C16-C21	14143623.000	80.000	8.536	12.798	176795.288	174891.939	-1.088
Aromatic C21-C36	26730883.000	180.000	12.799	18.185	148504.906	144967.841	-2.440
Aromatic EPH	60693507.000	360.000	4.196	18.185	168593.075	165469.177	-1.888

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

Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	08 Nov 2023 05:59
Client Sample ID:		Operator:	YP/AJ
Data file:	FD046858.D	Misc:	
Instrument:	FID_D	ALS Vial:	53
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.196	5.923	7968125.000	40.000	ug/ml
Aromatic C12-C16	5.924	8.535	11850876.000	60.000	ug/ml
Aromatic C16-C21	8.536	12.798	14143623.000	80.000	ug/ml
Aromatic C21-C36	12.799	18.185	26730883.000	180.000	ug/ml
Aromatic EPH	4.196	18.185	60693507.000	360.000	ug/ml

CHEMTECH

A
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J

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110723AL\
Data File : FC065055.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2023 07:14
Operator : YP/AJ
Sample : 05252-01
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WASTE

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/08/2023
Supervised By :Ankita Jodhani 11/08/2023

Integration File: autoint1.e
Quant Time: Nov 08 07:54:20 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102823.M
Quant Title : GC Extractables
QLast Update : Sat Oct 28 02:12:00 2023
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			
12) S 1-chlorooctadecane (S...	12.946	6560449	41.500 ug/mlm
Spiked Amount 50.000		Recovery = 83.00%	
Target Compounds			

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

Sample Results: **FC065055.D**

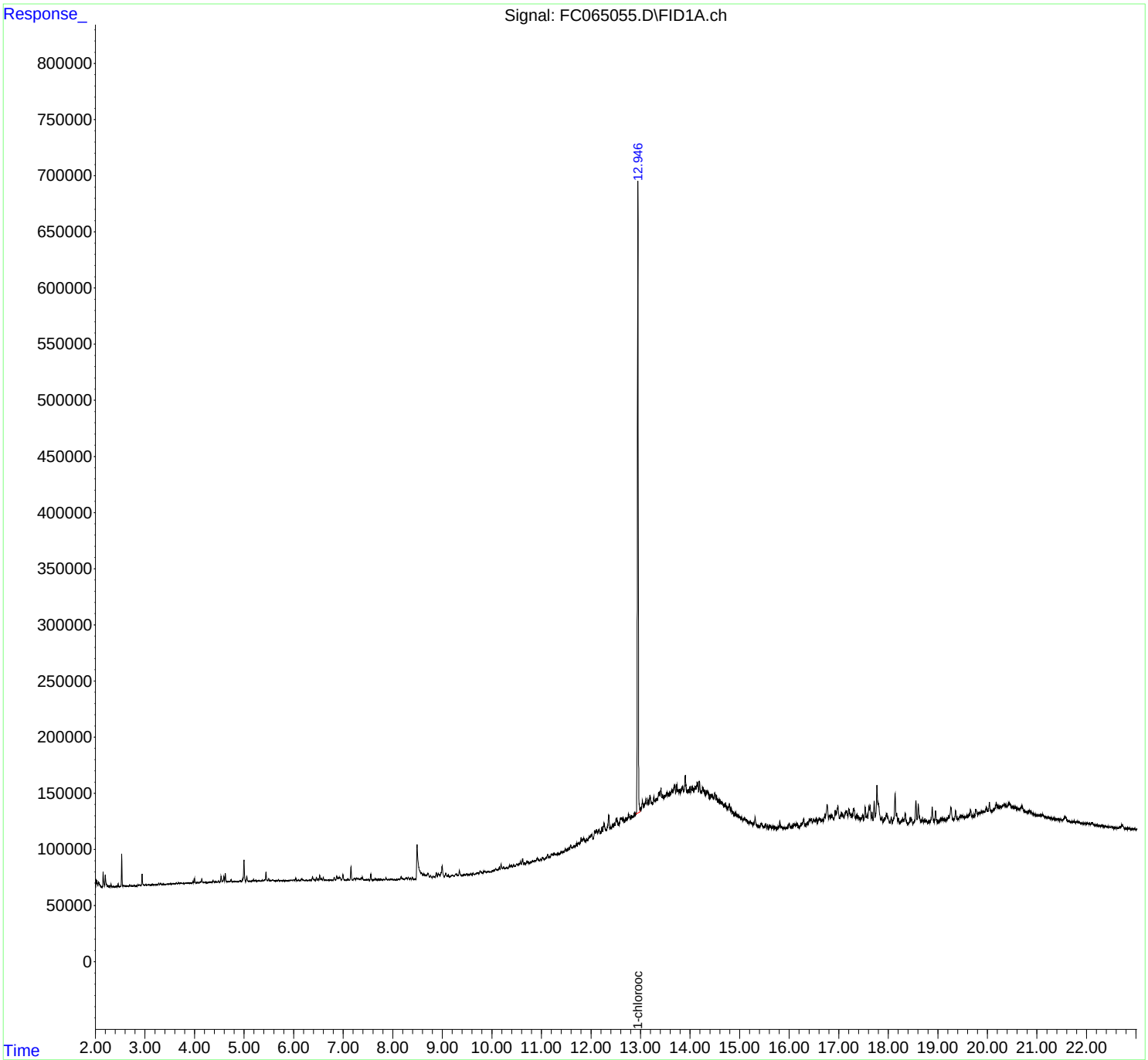
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110723AL\
Data File : FC065055.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2023 07:14
Operator : YP/AJ
Sample : 05252-01
Misc :
ALS Vial : 36 Sample Multiplier: 1

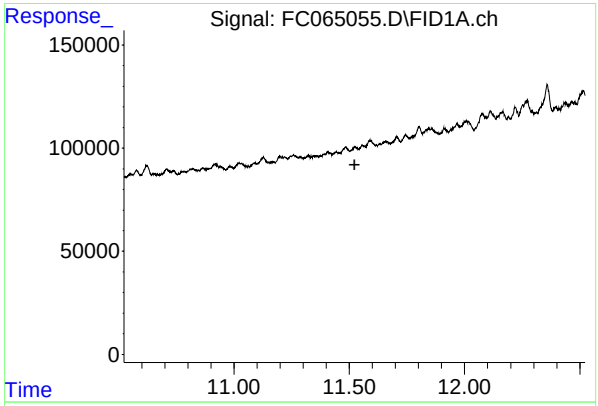
Instrument :
FID_C
ClientSampleId :
WASTE

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/08/2023
Supervised By :Ankita Jodhani 11/08/2023

Integration File: autoint1.e
Quant Time: Nov 08 07:54:20 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102823.M
Quant Title : GC Extractables
QLast Update : Sat Oct 28 02:12:00 2023
Response via : Initial Calibration
Integrator: ChemStation

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





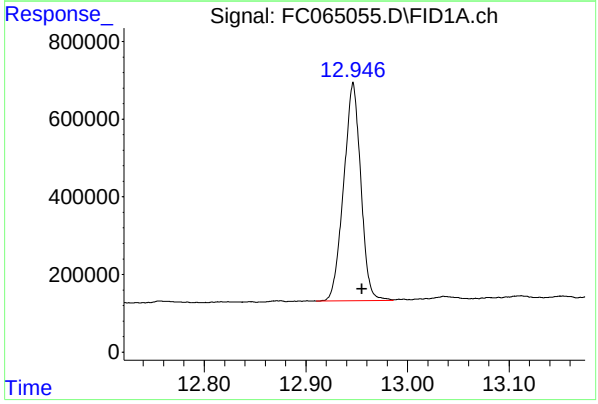
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.523 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
WASTE

Manual Integrations
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Reviewed By :Yogesh Patel 11/08/2023
Supervised By :Ankita Jodhani 11/08/2023



#12 1-chlorooctadecane (SURR)

R.T.: 12.946 min
Delta R.T.: -0.009 min
Response: 6560449
Conc: 41.50 ug/ml m

Instrument :
FID_C
ClientSampleId :
WASTE

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/08/2023
Supervised By :Ankita Jodhani 11/08/2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC
Data File : FC065055.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2023 07:14
Sample : 05252-01
Misc :
ALS Vial : 36 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102823.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	3.586	3.542	3.598	VV	729	11632	0.12%	0.007%
2	3.630	3.598	3.650	VV	1322	18814	0.19%	0.011%
3	3.678	3.650	3.693	VV	1149	15711	0.16%	0.009%
4	3.716	3.693	3.768	VV	850	30212	0.31%	0.017%
5	3.846	3.785	3.861	VV	820	29567	0.31%	0.017%
6	3.889	3.861	3.925	VV	875	27184	0.28%	0.015%
7	3.972	3.925	3.984	VV	2267	37334	0.39%	0.021%
8	4.001	3.984	4.051	VV	4678	69671	0.72%	0.039%
9	4.067	4.051	4.085	VV	1161	19067	0.20%	0.011%
10	4.117	4.085	4.127	VV	1578	27512	0.28%	0.015%
11	4.147	4.127	4.188	VV	4192	65837	0.68%	0.037%
12	4.200	4.188	4.246	VV	997	31496	0.33%	0.018%
13	4.320	4.246	4.338	VV	1177	54612	0.57%	0.031%
14	4.373	4.338	4.412	VV	2615	65612	0.68%	0.037%
15	4.421	4.412	4.455	VV	1228	29768	0.31%	0.017%
16	4.484	4.455	4.505	VV	2318	43599	0.45%	0.024%
17	4.536	4.505	4.558	VV	6202	88562	0.92%	0.050%
18	4.592	4.558	4.606	VV	5948	86138	0.89%	0.048%
19	4.621	4.606	4.697	VV	8931	143585	1.49%	0.080%
20	4.737	4.697	4.784	VV	3201	85292	0.88%	0.048%
21	4.811	4.784	4.826	VV	1539	33638	0.35%	0.019%
22	4.839	4.826	4.878	VV	1361	38236	0.40%	0.021%
23	4.920	4.878	4.948	VV	2241	64140	0.66%	0.036%
24	4.998	4.948	5.031	VV	20445	300378	3.11%	0.168%
25	5.055	5.031	5.092	VV	5700	95352	0.99%	0.053%
26	5.108	5.092	5.138	VV	1598	39515	0.41%	0.022%
27	5.190	5.138	5.212	VV	2541	73756	0.76%	0.041%
28	5.229	5.212	5.271	VV	1908	54231	0.56%	0.030%
29	5.292	5.271	5.318	VV	1519	38977	0.40%	0.022%
30	5.327	5.318	5.341	VV	1355	18271	0.19%	0.010%
31	5.367	5.341	5.385	VV	2068	41831	0.43%	0.023%

Instrument :
FID_C
ClientSampleId :
WASTE

Manual IntegrationsAPPROVED

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Supervised By :Ankita Jodhani 11/08/2023

rteres

32	5.406	5.385	5.425	VV	2285	45931	0.48%	0.026%
33	5.442	5.425	5.477	VV	9282	12503		
34	5.498	5.477	5.528	VV	3187	6067		
35	5.581	5.528	5.621	VV	2068	877[illegible]		
36	5.650	5.621	5.668	VV	1277	3355		
37	5.693	5.668	5.727	VV	1863	49250	0.51%	0.028%
38	5.747	5.727	5.793	VV	1529	49897	0.52%	0.028%
39	5.808	5.793	5.841	VV	1357	32570	0.34%	0.018%
40	5.852	5.841	5.858	VV	1175	11529	0.12%	0.006%
41	5.926	5.858	5.938	VV	1332	58560	0.61%	0.033%
42	5.952	5.938	5.978	VV	1488	31919	0.33%	0.018%
43	5.999	5.978	6.019	VV	1971	37998	0.39%	0.021%
44	6.041	6.019	6.078	VV	3322	64454	0.67%	0.036%
45	6.101	6.078	6.124	VV	1551	36418	0.38%	0.020%
46	6.171	6.124	6.201	VV	2397	73729	0.76%	0.041%
47	6.215	6.201	6.242	VV	1135	25880	0.27%	0.014%
48	6.280	6.242	6.296	VV	1079	33748	0.35%	0.019%
49	6.308	6.296	6.331	VV	1091	22036	0.23%	0.012%
50	6.344	6.331	6.356	VV	1187	16823	0.17%	0.009%
51	6.382	6.356	6.407	VV	4352	72083	0.75%	0.040%
52	6.419	6.407	6.438	VV	1708	27478	0.28%	0.015%
53	6.461	6.438	6.480	VV	3659	53782	0.56%	0.030%
54	6.498	6.480	6.509	VV	2363	30822	0.32%	0.017%
55	6.527	6.509	6.547	VV	5573	71965	0.74%	0.040%
56	6.561	6.547	6.580	VV	2534	34452	0.36%	0.019%
57	6.600	6.580	6.671	VV	3295	74343	0.77%	0.042%
58	6.698	6.671	6.724	VV	1019	27533	0.29%	0.015%
59	6.744	6.724	6.792	VV	1193	35830	0.37%	0.020%
60	6.819	6.792	6.848	VV	3403	55449	0.57%	0.031%
61	6.871	6.848	6.904	VV	4617	88200	0.91%	0.049%
62	6.920	6.904	6.966	VV	3598	85670	0.89%	0.048%
63	6.997	6.966	7.023	VV	5741	86711	0.90%	0.048%
64	7.031	7.023	7.057	VV	815	14247	0.15%	0.008%
65	7.101	7.057	7.121	VV	1597	38396	0.40%	0.021%
66	7.158	7.121	7.194	VV	12319	154777	1.60%	0.087%
67	7.233	7.194	7.249	VV	1992	47477	0.49%	0.027%
68	7.266	7.249	7.278	VV	2422	29547	0.31%	0.017%
69	7.293	7.278	7.320	VV	2080	41410	0.43%	0.023%
70	7.362	7.320	7.375	VV	2577	51855	0.54%	0.029%
71	7.390	7.375	7.416	VV	3112	39523	0.41%	0.022%
72	7.457	7.416	7.489	VV	760	26683	0.28%	0.015%
73	7.505	7.489	7.528	VV	767	11898	0.12%	0.007%
74	7.559	7.528	7.598	VV	5705	69278	0.72%	0.039%
75	7.643	7.598	7.684	VV	1061	28817	0.30%	0.016%
76	7.725	7.684	7.742	VV	828	22707	0.24%	0.013%
77	7.754	7.742	7.805	VV	686	18037	0.19%	0.010%
78	7.821	7.805	7.842	VV	727	10918	0.11%	0.006%
79	7.864	7.842	7.886	VV	1741	22004	0.23%	0.012%

Instrument :
FID_C
ClientSampleId :
WASTE

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/08/2023
Supervised By :Ankita Jodhani 11/08/2023

rteres

80	7.922	7.886	7.937	VV	602	12766	0.13%	0.007%
81	7.956	7.937	7.981	VV	843	1498		
82	8.169	8.127	8.187	VV	2920	4164		
83	8.197	8.187	8.239	VV	1154	2110		
84	8.278	8.239	8.296	VV	1725	3900		
85	8.315	8.296	8.341	VV	1780	27895	0.29%	0.016%
86	8.360	8.341	8.379	VV	1490	19504	0.20%	0.011%
87	8.397	8.379	8.437	VV	2148	26782	0.28%	0.015%
88	8.492	8.467	8.605	PV	30922	850341	8.80%	0.476%
89	8.623	8.605	8.641	VV	4616	86329	0.89%	0.048%
90	8.652	8.641	8.666	VV	3686	47657	0.49%	0.027%
91	8.706	8.666	8.745	VV	4272	150067	1.55%	0.084%
92	8.765	8.745	8.796	VV	2693	46973	0.49%	0.026%
93	8.817	8.796	8.838	VV	1873	29505	0.31%	0.017%
94	8.880	8.838	8.904	VV	4447	88089	0.91%	0.049%
95	8.921	8.904	8.955	VV	4037	81851	0.85%	0.046%
96	8.999	8.955	9.040	VV	10127	211656	2.19%	0.118%
97	9.071	9.040	9.095	VV	3514	53664	0.56%	0.030%
98	9.119	9.095	9.154	VV	1891	29497	0.31%	0.016%
99	9.200	9.154	9.240	VV	1143	27961	0.29%	0.016%
100	9.269	9.240	9.277	VV	1894	22989	0.24%	0.013%
101	9.287	9.277	9.305	VV	2099	22958	0.24%	0.013%
102	9.347	9.305	9.398	VV	4703	75071	0.78%	0.042%
103	9.448	9.432	9.467	VV	856	11110	0.12%	0.006%
104	9.490	9.467	9.525	VV	1343	20742	0.21%	0.012%
105	9.574	9.551	9.592	VV	995	14434	0.15%	0.008%
106	9.622	9.592	9.636	VV	941	14153	0.15%	0.008%
107	9.685	9.662	9.697	VV	974	14431	0.15%	0.008%
108	9.719	9.697	9.741	VV	1443	26232	0.27%	0.015%
109	9.764	9.741	9.814	VV	3102	67821	0.70%	0.038%
110	9.859	9.814	9.886	VV	2085	67826	0.70%	0.038%
111	9.916	9.886	9.945	VV	1768	51694	0.54%	0.029%
112	9.963	9.945	9.984	VV	1346	27057	0.28%	0.015%
113	10.008	9.984	10.021	VV	1978	34698	0.36%	0.019%
114	10.037	10.021	10.053	VV	2496	39113	0.40%	0.022%
115	10.078	10.053	10.095	VV	3731	70723	0.73%	0.040%
116	10.106	10.095	10.122	VV	2694	39112	0.40%	0.022%
117	10.150	10.122	10.167	VV	4791	93227	0.97%	0.052%
118	10.188	10.167	10.212	VV	7098	128489	1.33%	0.072%
119	10.237	10.212	10.258	VV	4688	103186	1.07%	0.058%
120	10.268	10.258	10.275	VV	3151	30753	0.32%	0.017%
121	10.296	10.275	10.325	VV	3861	100301	1.04%	0.056%
122	10.358	10.325	10.372	VV	5285	113168	1.17%	0.063%
123	10.391	10.372	10.412	VV	5518	111715	1.16%	0.062%
124	10.439	10.412	10.458	VV	5469	127736	1.32%	0.071%
125	10.510	10.458	10.531	VV	6090	224343	2.32%	0.125%
126	10.552	10.531	10.561	VV	6330	104255	1.08%	0.058%

Instrument :
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Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/08/2023
Supervised By :Ankita Jodhani 11/08/2023

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127	10.578	10.561	10.595	VV	8079	141600	1.47%	0.079%
128	10.622	10.595	10.641	VV	10148	21792		
129	10.654	10.641	10.674	VV	5895	11410		
130	10.708	10.674	10.725	VV	8057	20361		
131	10.738	10.725	10.755	VV	7313	11815		
132	10.822	10.755	10.848	VV	8047	383272	3.97%	0.214%
133	10.866	10.848	10.881	VV	7991	148411	1.54%	0.083%
134	10.919	10.881	10.965	VV	9845	415250	4.30%	0.232%
135	10.982	10.965	10.999	VV	8357	159411	1.65%	0.089%
136	11.031	10.999	11.058	VV	9776	317072	3.28%	0.177%
137	11.127	11.058	11.151	VV	12296	545646	5.65%	0.305%
138	11.199	11.151	11.234	VV	12376	538888	5.58%	0.301%
139	11.258	11.234	11.300	VV	12987	475986	4.93%	0.266%
140	11.323	11.300	11.337	VV	12429	257603	2.67%	0.144%
141	11.358	11.337	11.371	VV	11956	245114	2.54%	0.137%
142	11.407	11.371	11.427	VV	14023	426471	4.41%	0.239%
143	11.444	11.427	11.459	VV	13579	251675	2.61%	0.141%
144	11.484	11.459	11.502	VV	15823	376991	3.90%	0.211%
145	11.525	11.502	11.545	VV	15648	378288	3.92%	0.212%
146	11.591	11.545	11.621	VV	18305	763983	7.91%	0.427%
147	11.659	11.621	11.678	VV	17850	584794	6.05%	0.327%
148	11.706	11.678	11.723	VV	20011	493544	5.11%	0.276%
149	11.745	11.723	11.760	VV	20699	426861	4.42%	0.239%
150	11.803	11.760	11.818	VV	24568	743133	7.69%	0.416%
151	11.857	11.818	11.890	VV	23560	968294	10.02%	0.542%
152	11.912	11.890	11.930	VV	23156	519434	5.38%	0.291%
153	11.968	11.930	11.979	VV	25233	692936	7.17%	0.388%
154	12.007	11.979	12.041	VV	26344	922561	9.55%	0.516%
155	12.076	12.041	12.094	VV	29677	846044	8.76%	0.473%
156	12.113	12.094	12.135	VV	30726	707686	7.33%	0.396%
157	12.165	12.135	12.183	VV	30321	815990	8.45%	0.456%
158	12.220	12.183	12.235	VV	32343	915612	9.48%	0.512%
159	12.270	12.235	12.301	VV	34968	1263357	13.08%	0.707%
160	12.358	12.301	12.382	VV	42694	1626290	16.83%	0.910%
161	12.436	12.382	12.451	VV	33080	1320334	13.67%	0.738%
162	12.465	12.451	12.486	VV	34310	702220	7.27%	0.393%
163	12.515	12.486	12.551	VV	39297	1406227	14.56%	0.786%
164	12.562	12.551	12.567	VV	33665	312898	3.24%	0.175%
165	12.595	12.567	12.606	VV	38990	856126	8.86%	0.479%
166	12.618	12.606	12.631	VV	38919	557697	5.77%	0.312%
167	12.646	12.631	12.665	VV	39434	763302	7.90%	0.427%
168	12.705	12.665	12.737	VV	38786	1607768	16.64%	0.899%
169	12.758	12.737	12.798	VV	42002	1417390	14.67%	0.793%
170	12.819	12.798	12.851	VV	39713	1261043	13.05%	0.705%
171	12.873	12.851	12.883	VV	42068	766800	7.94%	0.429%
172	12.946	12.883	13.005	VV	599094	9660239	100.00%	5.403%
173	13.037	13.005	13.061	VV	52477	1656248	17.15%	0.926%
174	13.111	13.061	13.135	VV	54212	2212354	22.90%	1.237%

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175	13.152	13.135	13.168	VV	53282	1031709	10.68%	0.577%
176	13.189	13.168	13.251	VV	56672	256586		
177	13.268	13.251	13.289	VV	55620	118721		
178	13.308	13.289	13.317	VV	52937	89609		
179	13.329	13.317	13.345	VV	53367	87984		
180	13.368	13.345	13.378	VV	58338	1096072	11.35%	0.613%
181	13.383	13.378	13.393	VV	57275	499897	5.17%	0.280%
182	13.413	13.393	13.431	VV	62453	1355918	14.04%	0.758%
183	13.443	13.431	13.471	VV	56456	1310173	13.56%	0.733%
184	13.533	13.471	13.573	VV	58759	3430586	35.51%	1.919%
185	13.635	13.573	13.655	VV	60266	2814781	29.14%	1.574%
186	13.687	13.655	13.709	VV	63811	1997520	20.68%	1.117%
187	13.732	13.709	13.758	VV	64536	1776859	18.39%	0.994%
188	13.764	13.758	13.788	VV	58908	1049691	10.87%	0.587%
189	13.794	13.788	13.805	VV	59268	613356	6.35%	0.343%
190	13.849	13.805	13.870	VV	62116	2297944	23.79%	1.285%
191	13.902	13.870	13.981	VV	71780	4085680	42.29%	2.285%
192	14.004	13.981	14.016	VV	61635	1228433	12.72%	0.687%
193	14.038	14.016	14.048	VV	61671	1141168	11.81%	0.638%
194	14.056	14.048	14.075	VV	60027	951902	9.85%	0.532%
195	14.102	14.075	14.118	VV	61248	1531318	15.85%	0.856%
196	14.142	14.118	14.170	VV	64857	1935982	20.04%	1.083%
197	14.189	14.170	14.237	VV	64799	2336922	24.19%	1.307%
198	14.260	14.237	14.317	VV	60289	2726739	28.23%	1.525%
199	14.353	14.317	14.399	VV	56267	2642971	27.36%	1.478%
200	14.425	14.399	14.437	VV	52532	1172760	12.14%	0.656%
201	14.447	14.437	14.466	VV	53345	862277	8.93%	0.482%
202	14.498	14.466	14.518	VV	54322	1599371	16.56%	0.894%
203	14.533	14.518	14.588	VV	51137	2007597	20.78%	1.123%
204	14.604	14.588	14.626	VV	47618	1054246	10.91%	0.590%
205	14.637	14.626	14.653	VV	45326	705796	7.31%	0.395%
206	14.660	14.653	14.704	VV	43916	1306769	13.53%	0.731%
207	14.716	14.704	14.748	VV	44367	1093608	11.32%	0.612%
208	14.793	14.748	14.828	VV	43147	1910287	19.77%	1.068%
209	14.833	14.828	14.851	VV	39188	512155	5.30%	0.286%
210	14.865	14.851	14.908	VV	35839	1151067	11.92%	0.644%
211	14.917	14.908	14.958	VV	34425	983419	10.18%	0.550%
212	14.965	14.958	15.022	VV	32673	1191595	12.34%	0.666%
213	15.035	15.022	15.063	VV	30034	701082	7.26%	0.392%
214	15.105	15.063	15.138	VV	29574	1266512	13.11%	0.708%
215	15.144	15.138	15.164	VV	27432	414422	4.29%	0.232%
216	15.174	15.164	15.201	VV	25487	556389	5.76%	0.311%
217	15.215	15.201	15.269	VV	26113	993203	10.28%	0.555%
218	15.311	15.269	15.356	VV	29636	1258181	13.02%	0.704%
219	15.365	15.356	15.408	VV	22142	648764	6.72%	0.363%
220	15.432	15.408	15.474	VV	23347	860629	8.91%	0.481%
221	15.494	15.474	15.507	VV	20544	388999	4.03%	0.218%

Manual IntegrationsAPPROVED

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222	15.525	15.507	15.544	VV	22747	467705	4.84%	0.262%
223	15.561	15.544	15.581	VV	20882	43118		
224	15.609	15.581	15.619	VV	21110	43826		
225	15.625	15.619	15.648	VV	20199	33571		
226	15.673	15.648	15.696	VV	19495	54558		
227	15.703	15.696	15.758	VV	18710	663165	6.86%	0.371%
228	15.776	15.758	15.787	VV	18818	317231	3.28%	0.177%
229	15.808	15.787	15.877	VV	23710	1039149	10.76%	0.581%
230	15.898	15.877	15.924	VV	18064	483403	5.00%	0.270%
231	15.943	15.924	15.958	VV	17412	343189	3.55%	0.192%
232	16.001	15.958	16.038	VV	21297	892152	9.24%	0.499%
233	16.049	16.038	16.070	VV	17779	334785	3.47%	0.187%
234	16.097	16.070	16.111	VV	20511	468001	4.84%	0.262%
235	16.126	16.111	16.135	VV	19737	271235	2.81%	0.152%
236	16.161	16.135	16.179	VV	20414	506069	5.24%	0.283%
237	16.190	16.179	16.207	VV	18298	289427	3.00%	0.162%
238	16.245	16.207	16.255	VV	19981	527607	5.46%	0.295%
239	16.292	16.255	16.318	VV	24412	788411	8.16%	0.441%
240	16.371	16.318	16.384	VV	21338	754125	7.81%	0.422%
241	16.404	16.384	16.462	VV	23762	1033729	10.70%	0.578%
242	16.498	16.462	16.523	VV	23000	781498	8.09%	0.437%
243	16.548	16.523	16.573	VV	23230	643226	6.66%	0.360%
244	16.606	16.573	16.655	VV	23412	1064155	11.02%	0.595%
245	16.766	16.655	16.792	VV	34598	2075628	21.49%	1.161%
246	16.810	16.792	16.824	VV	25124	463948	4.80%	0.259%
247	16.840	16.824	16.898	VV	25222	1030807	10.67%	0.576%
248	16.927	16.898	16.951	VV	28115	802972	8.31%	0.449%
249	16.983	16.951	17.018	VV	32808	1101680	11.40%	0.616%
250	17.059	17.018	17.107	VV	25973	1268335	13.13%	0.709%
251	17.153	17.107	17.186	VV	27740	1199042	12.41%	0.671%
252	17.205	17.186	17.247	VV	29276	949616	9.83%	0.531%
253	17.264	17.247	17.277	VV	24182	414929	4.30%	0.232%
254	17.302	17.277	17.342	VV	29323	972086	10.06%	0.544%
255	17.362	17.342	17.376	VV	23135	448642	4.64%	0.251%
256	17.390	17.376	17.443	VV	22706	808972	8.37%	0.452%
257	17.483	17.443	17.507	VV	22887	783601	8.11%	0.438%
258	17.532	17.507	17.555	VV	29892	692003	7.16%	0.387%
259	17.572	17.555	17.585	VV	22819	379327	3.93%	0.212%
260	17.632	17.585	17.655	VV	30307	1074972	11.13%	0.601%
261	17.671	17.655	17.690	VV	24365	449019	4.65%	0.251%
262	17.714	17.690	17.735	VV	34403	672822	6.96%	0.376%
263	17.770	17.735	17.858	VV	47562	2045390	21.17%	1.144%
264	17.873	17.858	17.898	VV	19540	416433	4.31%	0.233%
265	17.922	17.898	17.935	VV	18550	367624	3.81%	0.206%
266	17.970	17.935	18.022	VV	22815	972483	10.07%	0.544%
267	18.031	18.022	18.039	VV	14463	144119	1.49%	0.081%
268	18.059	18.039	18.079	VV	18873	388310	4.02%	0.217%
269	18.137	18.079	18.159	VV	39100	1090697	11.29%	0.610%

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270	18.168	18.159	18.189	VV	21728	341175	3.53%	0.191%
271	18.201	18.189	18.233	VV	16824	38938		
272	18.256	18.233	18.265	VV	14942	26745		
273	18.290	18.265	18.302	VV	16097	32899		
274	18.308	18.302	18.314	VV	15055	11122		
275	18.340	18.314	18.387	VV	20964	682988	7.07%	0.382%
276	18.462	18.387	18.492	VV	16209	846972	8.77%	0.474%
277	18.556	18.492	18.580	VV	31269	920740	9.53%	0.515%
278	18.605	18.580	18.650	VV	27960	793272	8.21%	0.444%
279	18.661	18.650	18.677	VV	13528	207923	2.15%	0.116%
280	18.694	18.677	18.715	VV	14607	296363	3.07%	0.166%
281	18.737	18.715	18.756	VV	14373	321086	3.32%	0.180%
282	18.770	18.756	18.813	VV	13715	402195	4.16%	0.225%
283	18.835	18.813	18.844	VV	11841	210715	2.18%	0.118%
284	18.886	18.844	18.924	VV	24445	744143	7.70%	0.416%
285	18.953	18.924	18.989	VV	20904	565485	5.85%	0.316%
286	19.001	18.989	19.012	VV	11300	142857	1.48%	0.080%
287	19.067	19.012	19.084	VV	14262	529623	5.48%	0.296%
288	19.098	19.084	19.145	VV	12755	447227	4.63%	0.250%
289	19.151	19.145	19.167	VV	12088	158319	1.64%	0.089%
290	19.263	19.167	19.319	VV	22372	1353516	14.01%	0.757%
291	19.357	19.319	19.421	VV	19568	836894	8.66%	0.468%
292	19.482	19.421	19.515	VV	14594	760954	7.88%	0.426%
293	19.524	19.515	19.537	VV	13129	169092	1.75%	0.095%
294	19.548	19.537	19.560	VV	13180	179886	1.86%	0.101%
295	19.585	19.560	19.611	VV	14392	407538	4.22%	0.228%
296	19.623	19.611	19.638	VV	14866	231158	2.39%	0.129%
297	19.657	19.638	19.686	VV	19215	456750	4.73%	0.255%
298	19.698	19.686	19.718	VV	13602	252878	2.62%	0.141%
299	19.731	19.718	19.744	VV	14722	210852	2.18%	0.118%
300	19.765	19.744	19.817	VV	19155	704614	7.29%	0.394%
301	19.828	19.817	19.836	VV	15810	171356	1.77%	0.096%
302	19.842	19.836	19.861	VV	16007	227963	2.36%	0.127%
303	19.887	19.861	19.931	VV	16090	673988	6.98%	0.377%
304	19.977	19.931	20.011	VV	19804	823973	8.53%	0.461%
305	20.041	20.011	20.068	VV	24442	665386	6.89%	0.372%
306	20.075	20.068	20.096	VV	17233	275287	2.85%	0.154%
307	20.178	20.096	20.200	VV	23549	1169529	12.11%	0.654%
308	20.212	20.200	20.231	VV	19858	359736	3.72%	0.201%
309	20.251	20.231	20.285	VV	20070	625196	6.47%	0.350%
310	20.338	20.285	20.368	VV	21422	994847	10.30%	0.556%
311	20.377	20.368	20.400	VV	20604	379993	3.93%	0.213%
312	20.428	20.400	20.448	VV	22338	594478	6.15%	0.332%
313	20.454	20.448	20.495	VV	21586	546398	5.66%	0.306%
314	20.500	20.495	20.518	VV	18815	256457	2.65%	0.143%
315	20.527	20.518	20.544	VV	18806	276616	2.86%	0.155%
316	20.561	20.544	20.604	VV	18018	602877	6.24%	0.337%

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317	20.617	20.604	20.635	VV	16612	297840	3.08%	0.167%
318	20.652	20.635	20.665	VV	16591	28524		
319	20.695	20.665	20.778	VV	18525	105048		
320	20.787	20.778	20.811	VV	13306	24700		
321	20.822	20.811	20.838	VV	13603	21388		
322	20.853	20.838	20.865	VV	13258	207034	2.14%	0.116%
323	20.874	20.865	20.925	VV	13020	417801	4.32%	0.234%
324	20.934	20.925	20.966	VV	11098	241022	2.49%	0.135%
325	20.972	20.966	20.991	VV	9788	140151	1.45%	0.078%
326	21.012	20.991	21.028	VV	9451	198679	2.06%	0.111%
327	21.054	21.028	21.066	VV	9215	193898	2.01%	0.108%
328	21.079	21.066	21.104	VV	9189	194977	2.02%	0.109%
329	21.119	21.104	21.267	VV	9207	667550	6.91%	0.373%
330	21.278	21.267	21.308	VV	5731	123401	1.28%	0.069%
331	21.340	21.308	21.371	VV	5060	166650	1.73%	0.093%
332	21.382	21.371	21.399	VV	4399	66996	0.69%	0.037%
333	21.408	21.399	21.429	VV	4227	67939	0.70%	0.038%
334	21.438	21.429	21.458	VV	4017	60811	0.63%	0.034%
335	21.479	21.458	21.516	VV	3606	103147	1.07%	0.058%
336	21.572	21.516	21.695	VV	5228	268447	2.78%	0.150%

Sum of corrected areas: 178805917

Aliphatic EPH 102823.M Wed Nov 08 07:56:00 2023

Quantitation Report (QT Reviewed)

Sample Results: **FD046856.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD110723AR\
Data File : FD046856.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2023 04:09
Operator : YP/AJ
Sample : 05252-01
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
WASTE

Integration File: autoint1.e
Quant Time: Nov 08 04:59:15 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102723.M
Quant Title : GC Extractables
QLast Update : Sat Oct 28 02:49:53 2023
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.485	10037702	55.039 ug/ml
Spiked Amount 50.000		Recovery = 110.08%	
6) S 2-Flurobiphenyl (SURR)	8.338	5529205	46.984 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 93.97%	
11) S ortho-Terphenyl (SURR)	11.376	8219948	38.818 ug/ml
Spiked Amount 50.000		Recovery = 77.64%	
Target Compounds			

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

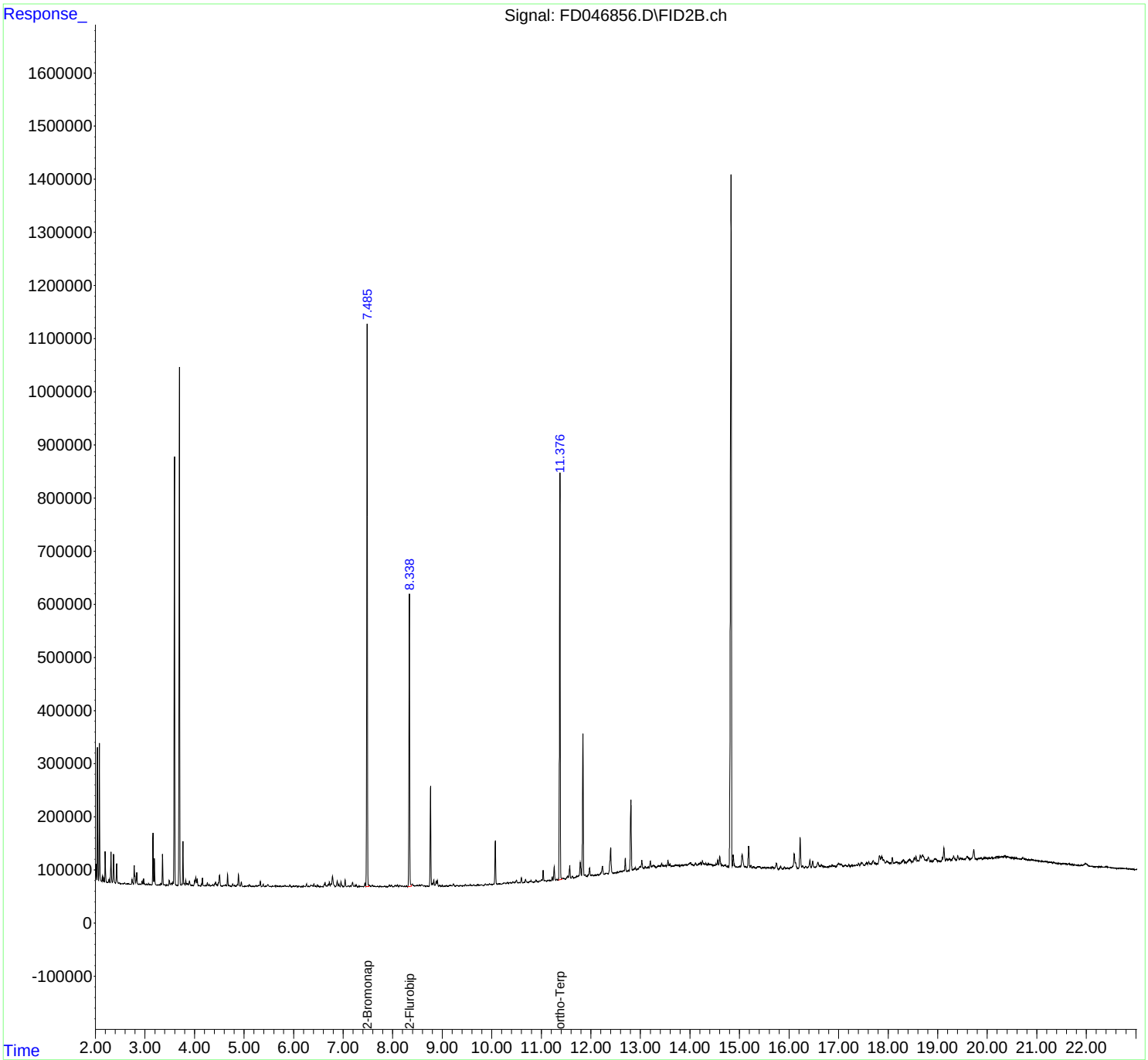
Sample Results: **FD046856.D**

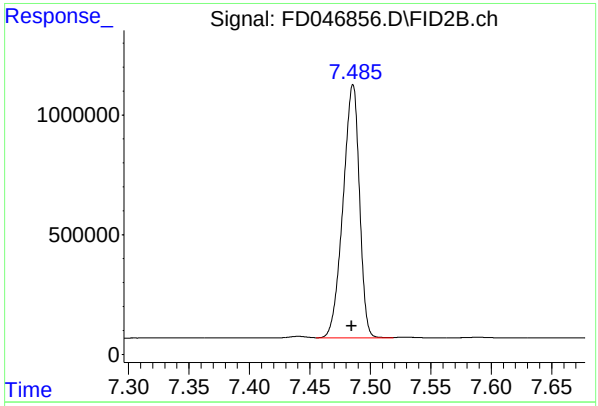
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD110723AR\
Data File : FD046856.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2023 04:09
Operator : YP/AJ
Sample : 05252-01
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
WASTE

Integration File: autoint1.e
Quant Time: Nov 08 04:59:15 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102723.M
Quant Title : GC Extractables
QLast Update : Sat Oct 28 02:49:53 2023
Response via : Initial Calibration
Integrator: ChemStation

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

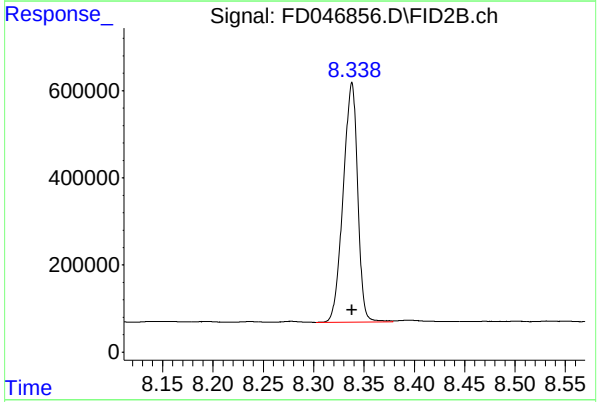




#4 2-Bromonaphthalene (SURR)

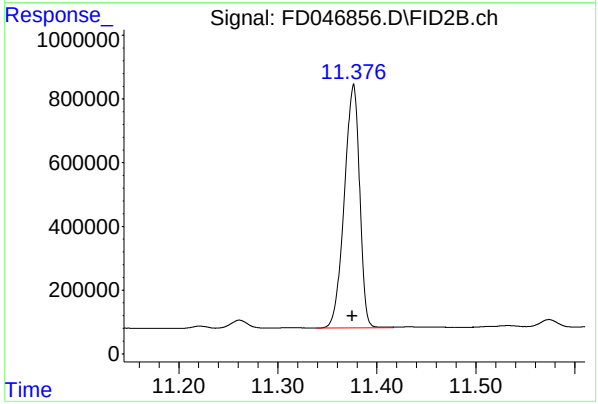
R.T.: 7.485 min
Delta R.T.: 0.000 min
Response: 10037702
Conc: 55.04 ug/ml

Instrument :
FID_D
ClientSampleId :
WASTE



#6 2-Flurobiphenyl (SURR)

R.T.: 8.338 min
Delta R.T.: 0.000 min
Response: 5529205
Conc: 46.98 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.376 min
Delta R.T.: 0.000 min
Response: 8219948
Conc: 38.82 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD110723AR\
Data File : FD046856.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2023 04:09
Sample : 05252-01
Misc :
ALS Vial : 78 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102723.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.221	4.202	4.240	BV	1512	14025	0.08%	0.010%
2	4.259	4.240	4.278	PV	5893	57751	0.32%	0.041%
3	4.294	4.278	4.317	VV	2245	25726	0.14%	0.018%
4	4.331	4.317	4.342	VV	821	7536	0.04%	0.005%
5	4.358	4.342	4.362	VV	1680	15242	0.08%	0.011%
6	4.374	4.362	4.390	VV	2675	28109	0.15%	0.020%
7	4.408	4.390	4.415	VV	4844	42467	0.23%	0.030%
8	4.427	4.415	4.443	VV	7519	81218	0.45%	0.058%
9	4.454	4.443	4.468	VV	3233	32901	0.18%	0.023%
10	4.505	4.468	4.531	VV	20687	334794	1.84%	0.238%
11	4.541	4.531	4.557	VV	580	5609	0.03%	0.004%
12	4.591	4.557	4.614	VV	1877	29359	0.16%	0.021%
13	4.627	4.614	4.648	VV	3424	37049	0.20%	0.026%
14	4.668	4.648	4.688	VV	22646	207208	1.14%	0.147%
15	4.701	4.688	4.739	VV	1782	25981	0.14%	0.018%
16	4.770	4.739	4.797	PV	4995	62423	0.34%	0.044%
17	4.810	4.797	4.838	VV	1707	27099	0.15%	0.019%
18	4.864	4.838	4.872	VV	4249	44636	0.24%	0.032%
19	4.888	4.872	4.922	VV	22953	254831	1.40%	0.181%
20	4.945	4.922	4.979	VV	9044	98970	0.54%	0.070%
21	4.997	4.979	5.020	PV	703	9392	0.05%	0.007%
22	5.023	5.020	5.035	VV	317	1770	0.01%	0.001%
23	5.049	5.035	5.062	VV	709	7455	0.04%	0.005%
24	5.077	5.062	5.090	VV	1669	17220	0.09%	0.012%
25	5.108	5.090	5.152	VV	4015	51791	0.28%	0.037%
26	5.178	5.152	5.192	VV	423	7882	0.04%	0.006%
27	5.206	5.192	5.222	VV	510	6228	0.03%	0.004%
28	5.238	5.222	5.274	VV	2472	38778	0.21%	0.028%
29	5.289	5.274	5.304	VV	2210	27898	0.15%	0.020%
30	5.329	5.304	5.350	VV	9910	110105	0.60%	0.078%
31	5.360	5.350	5.366	PV	326	2245	0.01%	0.002%

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32	5.386	5.366	5.415	VV	5069	51081	0.28%	0.036%
33	5.449	5.415	5.458	VV	1072	16805	0.09%	0.012%
34	5.478	5.458	5.517	VV	3799	69057	0.38%	0.049%
35	5.531	5.517	5.550	VV	862	9905	0.05%	0.007%
36	5.580	5.550	5.602	VV	1621	21040	0.12%	0.015%
37	5.624	5.602	5.639	VV	2001	23187	0.13%	0.016%
38	5.652	5.639	5.677	VV	2191	26821	0.15%	0.019%
39	5.687	5.677	5.700	VV	921	9879	0.05%	0.007%
40	5.710	5.700	5.721	VV	875	8840	0.05%	0.006%
41	5.737	5.721	5.757	VV	1795	21850	0.12%	0.016%
42	5.771	5.757	5.781	VV	814	7820	0.04%	0.006%
43	5.787	5.781	5.797	VV	681	5095	0.03%	0.004%
44	5.824	5.797	5.862	VV	2488	44902	0.25%	0.032%
45	5.882	5.862	5.901	VV	1431	15812	0.09%	0.011%
46	5.924	5.901	5.952	VV	3601	38742	0.21%	0.028%
47	5.961	5.952	5.975	VV	324	2945	0.02%	0.002%
48	5.997	5.975	6.025	VV	1228	26242	0.14%	0.019%
49	6.057	6.025	6.087	VV	1859	34951	0.19%	0.025%
50	6.108	6.087	6.135	VV	1702	20561	0.11%	0.015%
51	6.156	6.144	6.164	VV	354	2982	0.02%	0.002%
52	6.176	6.164	6.186	VV	436	3572	0.02%	0.003%
53	6.203	6.186	6.222	VV	1993	21988	0.12%	0.016%
54	6.226	6.222	6.237	VV	538	3979	0.02%	0.003%
55	6.261	6.237	6.289	VV	5402	61039	0.33%	0.043%
56	6.308	6.289	6.317	PV	813	7429	0.04%	0.005%
57	6.347	6.317	6.372	VV	3124	58471	0.32%	0.042%
58	6.379	6.372	6.394	VV	2435	23256	0.13%	0.017%
59	6.410	6.394	6.429	VV	5503	57545	0.32%	0.041%
60	6.445	6.429	6.462	VV	1752	17414	0.10%	0.012%
61	6.482	6.462	6.524	VV	3725	47264	0.26%	0.034%
62	6.536	6.524	6.544	VV	486	4502	0.02%	0.003%
63	6.567	6.544	6.574	VV	676	9215	0.05%	0.007%
64	6.580	6.574	6.596	VV	579	5625	0.03%	0.004%
65	6.619	6.596	6.624	VV	4582	40200	0.22%	0.029%
66	6.636	6.624	6.660	VV	8011	93458	0.51%	0.066%
67	6.672	6.660	6.681	VV	2280	21065	0.12%	0.015%
68	6.699	6.681	6.710	VV	4502	57811	0.32%	0.041%
69	6.724	6.710	6.740	VV	9366	97829	0.54%	0.070%
70	6.757	6.740	6.765	VV	5640	66847	0.37%	0.048%
71	6.785	6.765	6.845	VV	20095	360511	1.98%	0.256%
72	6.881	6.845	6.902	VV	11334	153765	0.84%	0.109%
73	6.914	6.902	6.939	VV	5089	56870	0.31%	0.040%
74	6.958	6.939	7.005	VV	9739	122767	0.67%	0.087%
75	7.008	7.005	7.017	VV	524	3077	0.02%	0.002%
76	7.041	7.017	7.075	VV	13295	148864	0.82%	0.106%
77	7.100	7.075	7.112	VV	2123	28136	0.15%	0.020%
78	7.117	7.112	7.132	VV	1634	14522	0.08%	0.010%
79	7.147	7.132	7.159	VV	2274	23930	0.13%	0.017%

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80	7.191	7.159	7.213	VV	8629	135696	0.74%	0.096%
81	7.218	7.213	7.224	VV	1242	8100	0.04%	0.006%
82	7.245	7.224	7.258	VV	3033	40730	0.22%	0.029%
83	7.272	7.258	7.296	VV	3299	35505	0.19%	0.025%
84	7.322	7.296	7.338	PV	1249	17428	0.10%	0.012%
85	7.357	7.338	7.368	VV	1178	16295	0.09%	0.012%
86	7.376	7.368	7.409	VV	845	16222	0.09%	0.012%
87	7.440	7.409	7.456	VV	7237	82850	0.45%	0.059%
88	7.486	7.456	7.519	VV	1060077	10057778	55.17%	7.152%
89	7.529	7.519	7.560	VV	3414	53796	0.30%	0.038%
90	7.589	7.560	7.628	VV	3309	67809	0.37%	0.048%
91	7.636	7.628	7.660	VV	1011	11903	0.07%	0.008%
92	7.664	7.660	7.668	VV	626	2304	0.01%	0.002%
93	7.698	7.668	7.727	VV	985	19730	0.11%	0.014%
94	7.743	7.727	7.762	VV	2011	23408	0.13%	0.017%
95	7.787	7.762	7.812	VV	757	14062	0.08%	0.010%
96	7.838	7.812	7.874	VV	1254	27702	0.15%	0.020%
97	7.877	7.874	7.901	VV	641	6445	0.04%	0.005%
98	7.935	7.901	7.957	VV	4007	54630	0.30%	0.039%
99	7.976	7.957	8.010	VV	3300	46281	0.25%	0.033%
100	8.046	8.010	8.060	VV	2938	39155	0.21%	0.028%
101	8.071	8.060	8.086	VV	2145	25896	0.14%	0.018%
102	8.101	8.086	8.125	VV	3732	44189	0.24%	0.031%
103	8.141	8.125	8.152	VV	2244	26853	0.15%	0.019%
104	8.156	8.152	8.176	VV	2015	23083	0.13%	0.016%
105	8.195	8.176	8.222	VV	2054	31382	0.17%	0.022%
106	8.237	8.222	8.260	VV	1761	23128	0.13%	0.016%
107	8.278	8.260	8.303	VV	2417	27321	0.15%	0.019%
108	8.338	8.303	8.379	PV	552404	5549619	30.44%	3.946%
109	8.395	8.379	8.445	VV	4935	120080	0.66%	0.085%
110	8.470	8.445	8.481	VV	2229	40448	0.22%	0.029%
111	8.485	8.481	8.489	VV	2130	9893	0.05%	0.007%
112	8.501	8.489	8.516	VV	2524	32812	0.18%	0.023%
113	8.532	8.516	8.544	VV	2825	36966	0.20%	0.026%
114	8.552	8.544	8.567	VV	2231	26648	0.15%	0.019%
115	8.582	8.567	8.597	VV	3274	49331	0.27%	0.035%
116	8.601	8.597	8.628	VV	3230	37814	0.21%	0.027%
117	8.645	8.628	8.679	VV	2161	30937	0.17%	0.022%
118	8.694	8.679	8.722	VV	1704	25030	0.14%	0.018%
119	8.764	8.722	8.788	VV	188926	1898111	10.41%	1.350%
120	8.801	8.788	8.813	VV	6053	70420	0.39%	0.050%
121	8.831	8.813	8.854	VV	12504	157891	0.87%	0.112%
122	8.879	8.854	8.891	VV	9659	128175	0.70%	0.091%
123	8.903	8.891	8.929	VV	11449	128611	0.71%	0.091%
124	8.949	8.929	8.975	VV	2578	30406	0.17%	0.022%
125	8.998	8.975	9.023	VV	1684	20052	0.11%	0.014%
126	9.055	9.023	9.065	VV	738	9944	0.05%	0.007%

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127	9.080	9.065	9.118	VV	1630	28073	0.15%	0.020%
128	9.145	9.118	9.156	PV	1821	23719	0.13%	0.017%
129	9.165	9.156	9.180	VV	1839	20130	0.11%	0.014%
130	9.187	9.180	9.200	VV	1231	11560	0.06%	0.008%
131	9.226	9.200	9.260	VV	4847	74749	0.41%	0.053%
132	9.295	9.260	9.311	VV	1102	18718	0.10%	0.013%
133	9.322	9.311	9.344	VV	801	10608	0.06%	0.008%
134	9.365	9.344	9.392	VV	1831	25210	0.14%	0.018%
135	9.426	9.392	9.444	VV	1060	17630	0.10%	0.013%
136	9.465	9.444	9.485	VV	2625	38980	0.21%	0.028%
137	9.499	9.485	9.526	VV	1443	23321	0.13%	0.017%
138	9.568	9.526	9.604	VV	2067	47809	0.26%	0.034%
139	9.636	9.604	9.664	VV	2377	34177	0.19%	0.024%
140	9.715	9.673	9.757	PV	1709	51256	0.28%	0.036%
141	9.775	9.757	9.784	VV	1559	18969	0.10%	0.013%
142	9.789	9.784	9.792	VV	1348	6310	0.03%	0.004%
143	9.795	9.792	9.830	VV	1317	18279	0.10%	0.013%
144	9.872	9.830	9.893	VV	3322	50459	0.28%	0.036%
145	9.913	9.893	9.920	VV	1319	18351	0.10%	0.013%
146	9.957	9.920	9.966	VV	2410	50820	0.28%	0.036%
147	9.975	9.966	9.992	VV	2263	28196	0.15%	0.020%
148	10.008	9.992	10.015	VV	1746	20491	0.11%	0.015%
149	10.033	10.015	10.041	VV	2275	31078	0.17%	0.022%
150	10.072	10.041	10.112	VV	84074	935978	5.13%	0.666%
151	10.122	10.112	10.132	VV	1884	21276	0.12%	0.015%
152	10.147	10.132	10.168	VV	2882	49641	0.27%	0.035%
153	10.178	10.168	10.198	VV	2035	30820	0.17%	0.022%
154	10.235	10.198	10.244	VV	3218	67040	0.37%	0.048%
155	10.261	10.244	10.285	VV	4077	83273	0.46%	0.059%
156	10.317	10.285	10.339	VV	4468	105970	0.58%	0.075%
157	10.366	10.339	10.380	VV	3845	86310	0.47%	0.061%
158	10.385	10.380	10.399	VV	3225	33715	0.18%	0.024%
159	10.427	10.399	10.446	VV	5694	118815	0.65%	0.084%
160	10.461	10.446	10.470	VV	4099	55999	0.31%	0.040%
161	10.499	10.470	10.528	VV	8109	179590	0.99%	0.128%
162	10.541	10.528	10.552	VV	3468	48421	0.27%	0.034%
163	10.564	10.552	10.571	VV	3626	38206	0.21%	0.027%
164	10.599	10.571	10.628	VV	12555	211813	1.16%	0.151%
165	10.647	10.628	10.655	VV	3407	50165	0.28%	0.036%
166	10.683	10.655	10.722	VV	9124	205535	1.13%	0.146%
167	10.740	10.722	10.746	VV	3341	45804	0.25%	0.033%
168	10.764	10.746	10.773	VV	5076	68317	0.37%	0.049%
169	10.795	10.773	10.813	VV	6776	127968	0.70%	0.091%
170	10.823	10.813	10.849	VV	3745	74038	0.41%	0.053%
171	10.892	10.849	10.943	VV	7372	257900	1.41%	0.183%
172	10.962	10.943	10.985	VV	5460	115743	0.63%	0.082%
173	11.002	10.985	11.015	VV	7227	114685	0.63%	0.082%
174	11.038	11.015	11.059	VV	25053	340409	1.87%	0.242%

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175	11.073	11.059	11.108	VV	6214	155533	0.85%	0.111%
176	11.139	11.108	11.168	VV	6532	198706	1.09%	0.141%
177	11.184	11.168	11.200	VV	5664	105593	0.58%	0.075%
178	11.221	11.200	11.238	VV	12173	188664	1.03%	0.134%
179	11.261	11.238	11.292	VV	30783	473352	2.60%	0.337%
180	11.314	11.292	11.338	VV	7287	179108	0.98%	0.127%
181	11.376	11.338	11.416	VV	772725	8516528	46.72%	6.056%
182	11.433	11.416	11.447	VV	9307	160179	0.88%	0.114%
183	11.453	11.447	11.490	VV	8785	209760	1.15%	0.149%
184	11.533	11.490	11.552	VV	12926	383122	2.10%	0.272%
185	11.574	11.552	11.600	VV	31866	518672	2.85%	0.369%
186	11.625	11.600	11.651	VV	12250	309351	1.70%	0.220%
187	11.664	11.651	11.672	VV	9414	116312	0.64%	0.083%
188	11.720	11.672	11.741	VV	12047	441369	2.42%	0.314%
189	11.758	11.741	11.762	VV	13022	151151	0.83%	0.107%
190	11.788	11.762	11.809	VV	37949	671691	3.68%	0.478%
191	11.842	11.809	11.865	VV	279277	3395356	18.63%	2.414%
192	11.873	11.865	11.876	VV	13396	86826	0.48%	0.062%
193	11.886	11.876	11.915	VV	14268	292354	1.60%	0.208%
194	11.975	11.915	12.008	VV	26488	850668	4.67%	0.605%
195	12.024	12.008	12.043	VV	14007	274132	1.50%	0.195%
196	12.053	12.043	12.059	VV	12251	109560	0.60%	0.078%
197	12.078	12.059	12.092	VV	13173	245926	1.35%	0.175%
198	12.111	12.092	12.115	VV	12900	177306	0.97%	0.126%
199	12.138	12.115	12.152	VV	14391	293154	1.61%	0.208%
200	12.235	12.152	12.263	VV	29343	1173130	6.44%	0.834%
201	12.269	12.263	12.274	VV	13813	85196	0.47%	0.061%
202	12.311	12.274	12.345	VV	15657	642992	3.53%	0.457%
203	12.401	12.345	12.450	VV	62858	1717884	9.42%	1.222%
204	12.467	12.450	12.474	VV	16048	222452	1.22%	0.158%
205	12.480	12.474	12.487	VV	15971	128694	0.71%	0.092%
206	12.498	12.487	12.502	VV	16384	141050	0.77%	0.100%
207	12.507	12.502	12.513	VV	16557	104468	0.57%	0.074%
208	12.516	12.513	12.520	VV	16254	75399	0.41%	0.054%
209	12.538	12.520	12.553	VV	17805	329434	1.81%	0.234%
210	12.590	12.553	12.612	VV	18702	627183	3.44%	0.446%
211	12.635	12.612	12.644	VV	18783	340117	1.87%	0.242%
212	12.647	12.644	12.655	VV	18751	131933	0.72%	0.094%
213	12.696	12.655	12.725	VV	42479	1040314	5.71%	0.740%
214	12.754	12.725	12.774	VV	19874	547758	3.00%	0.389%
215	12.808	12.774	12.838	VV	151842	2384510	13.08%	1.696%
216	12.874	12.838	12.880	VV	21742	522259	2.86%	0.371%
217	12.896	12.880	12.915	VV	24130	477003	2.62%	0.339%
218	12.939	12.915	12.955	VV	22141	505775	2.77%	0.360%
219	12.988	12.955	12.997	VV	25805	601674	3.30%	0.428%
220	13.003	12.997	13.008	VV	25747	171179	0.94%	0.122%
221	13.029	13.008	13.069	VV	38208	1036269	5.68%	0.737%

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222	13.095	13.069	13.119	VV	25928	707449	3.88%	0.503%
223	13.132	13.119	13.137	VV	24403	258418	1.42%	0.184%
224	13.159	13.137	13.179	VV	24284	597053	3.28%	0.425%
225	13.200	13.179	13.226	VV	35626	828576	4.55%	0.589%
226	13.231	13.226	13.236	VV	25899	145456	0.80%	0.103%
227	13.241	13.236	13.243	VV	25780	115308	0.63%	0.082%
228	13.259	13.243	13.270	VV	27711	426861	2.34%	0.304%
229	13.283	13.270	13.307	VV	27311	576116	3.16%	0.410%
230	13.324	13.307	13.330	VV	24262	325767	1.79%	0.232%
231	13.372	13.330	13.387	VV	26694	874854	4.80%	0.622%
232	13.396	13.387	13.414	VV	26516	414812	2.28%	0.295%
233	13.430	13.414	13.459	VV	31464	756453	4.15%	0.538%
234	13.479	13.459	13.485	VV	26799	419345	2.30%	0.298%
235	13.514	13.485	13.529	VV	27033	679896	3.73%	0.483%
236	13.557	13.529	13.580	VV	36107	913806	5.01%	0.650%
237	13.598	13.580	13.638	VV	29552	922575	5.06%	0.656%
238	13.657	13.638	13.669	VV	25835	471546	2.59%	0.335%
239	13.686	13.669	13.691	VV	26451	332820	1.83%	0.237%
240	13.695	13.691	13.702	VV	26423	169056	0.93%	0.120%
241	13.712	13.702	13.732	VV	27084	478093	2.62%	0.340%
242	13.746	13.732	13.764	VV	26700	505500	2.77%	0.359%
243	13.769	13.764	13.798	VV	26246	520115	2.85%	0.370%
244	13.820	13.798	13.842	VV	26826	672829	3.69%	0.478%
245	13.864	13.842	13.881	VV	26260	592582	3.25%	0.421%
246	13.900	13.881	13.937	VV	27129	893358	4.90%	0.635%
247	13.942	13.937	13.948	VV	26292	167988	0.92%	0.119%
248	13.991	13.948	14.001	VV	29147	894266	4.91%	0.636%
249	14.014	14.001	14.033	VV	30934	551843	3.03%	0.392%
250	14.041	14.033	14.060	VV	27385	428460	2.35%	0.305%
251	14.065	14.060	14.074	VV	25633	216171	1.19%	0.154%
252	14.113	14.074	14.146	VV	29122	1134370	6.22%	0.807%
253	14.181	14.146	14.188	VV	27918	679605	3.73%	0.483%
254	14.193	14.188	14.197	VV	27980	144024	0.79%	0.102%
255	14.214	14.197	14.229	VV	30731	543927	2.98%	0.387%
256	14.252	14.229	14.270	VV	33380	733243	4.02%	0.521%
257	14.280	14.270	14.304	VV	28621	554079	3.04%	0.394%
258	14.322	14.304	14.350	VV	27511	713044	3.91%	0.507%
259	14.370	14.350	14.393	VV	27955	690695	3.79%	0.491%
260	14.398	14.393	14.404	VV	25819	160693	0.88%	0.114%
261	14.413	14.404	14.435	VV	26526	488356	2.68%	0.347%
262	14.442	14.435	14.449	VV	25406	205821	1.13%	0.146%
263	14.454	14.449	14.474	VV	24987	364435	2.00%	0.259%
264	14.490	14.474	14.507	VV	25017	470976	2.58%	0.335%
265	14.509	14.507	14.511	VV	24088	62924	0.35%	0.045%
266	14.530	14.511	14.540	VV	26206	433212	2.38%	0.308%
267	14.560	14.540	14.579	VV	34229	672427	3.69%	0.478%
268	14.601	14.579	14.638	VV	40070	1058305	5.81%	0.753%
269	14.652	14.638	14.682	VV	24421	613675	3.37%	0.436%

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270	14.700	14.682	14.708	VV	23849	361525	1.98%	0.257%
271	14.719	14.708	14.742	VV	24440	456230	2.50%	0.324%
272	14.754	14.742	14.777	VV	21642	441807	2.42%	0.314%
273	14.829	14.777	14.853	VV	1322304	18229908	100.00%	12.962%
274	14.872	14.853	14.930	VV	42251	1206835	6.62%	0.858%
275	14.943	14.930	14.968	VV	19888	441817	2.42%	0.314%
276	15.004	14.968	15.022	VV	20559	629371	3.45%	0.448%
277	15.053	15.022	15.122	VV	42938	1613110	8.85%	1.147%
278	15.132	15.122	15.152	VV	19337	339810	1.86%	0.242%
279	15.184	15.152	15.211	VV	57967	1144765	6.28%	0.814%
280	15.233	15.211	15.255	VV	21974	516782	2.83%	0.367%
281	15.281	15.255	15.325	VV	19072	727697	3.99%	0.517%
282	15.331	15.325	15.344	VV	16795	190628	1.05%	0.136%
283	15.380	15.344	15.387	VV	18846	464921	2.55%	0.331%
284	15.394	15.387	15.404	VV	19036	190652	1.05%	0.136%
285	15.408	15.404	15.437	VV	18435	341646	1.87%	0.243%
286	15.439	15.437	15.442	VV	15535	44938	0.25%	0.032%
287	15.478	15.442	15.495	VV	17466	525793	2.88%	0.374%
288	15.514	15.495	15.521	VV	16838	254037	1.39%	0.181%
289	15.525	15.521	15.534	VV	16498	121848	0.67%	0.087%
290	15.563	15.534	15.578	VV	17137	427333	2.34%	0.304%
291	15.585	15.578	15.589	VV	16091	110261	0.60%	0.078%
292	15.595	15.589	15.608	VV	16208	177869	0.98%	0.126%
293	15.617	15.608	15.640	VV	15556	292541	1.60%	0.208%
294	15.666	15.640	15.686	VV	17404	448245	2.46%	0.319%
295	15.692	15.686	15.710	VV	16019	216692	1.19%	0.154%
296	15.745	15.710	15.788	VV	24064	821471	4.51%	0.584%
297	15.830	15.788	15.872	VV	18608	737471	4.05%	0.524%
298	15.878	15.872	15.880	VV	13291	64000	0.35%	0.046%
299	15.906	15.880	15.922	VV	16961	373961	2.05%	0.266%
300	15.930	15.922	15.945	VV	14335	194202	1.07%	0.138%
301	15.951	15.945	15.959	VV	13904	112156	0.62%	0.080%
302	15.970	15.959	15.984	VV	14720	207391	1.14%	0.147%
303	15.996	15.984	16.007	VV	13722	186370	1.02%	0.133%
304	16.025	16.007	16.042	VV	15391	303992	1.67%	0.216%
305	16.103	16.042	16.125	VV	40829	1166616	6.40%	0.830%
306	16.130	16.125	16.163	VV	23940	418456	2.30%	0.298%
307	16.166	16.163	16.175	VV	14181	103720	0.57%	0.074%
308	16.222	16.175	16.259	VV	71173	1413743	7.76%	1.005%
309	16.278	16.259	16.310	VV	17330	469838	2.58%	0.334%
310	16.335	16.310	16.367	VV	16560	515840	2.83%	0.367%
311	16.377	16.367	16.381	VV	14633	119234	0.65%	0.085%
312	16.419	16.381	16.443	VV	28223	719893	3.95%	0.512%
313	16.476	16.443	16.518	VV	26048	801696	4.40%	0.570%
314	16.525	16.518	16.530	VV	14377	103172	0.57%	0.073%
315	16.538	16.530	16.542	VV	14840	106097	0.58%	0.075%
316	16.582	16.542	16.635	VV	23127	997331	5.47%	0.709%

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317	16.656	16.635	16.671	VV	18231	358546	1.97%	0.255%
318	16.687	16.671	16.701	VV	15946	273958	1.50%	0.195%
319	16.716	16.701	16.739	VV	15487	322788	1.77%	0.230%
320	16.744	16.739	16.749	VV	13938	87384	0.48%	0.062%
321	16.761	16.749	16.765	VV	13970	126250	0.69%	0.090%
322	16.769	16.765	16.775	VV	14240	81914	0.45%	0.058%
323	16.786	16.775	16.804	VV	14489	245374	1.35%	0.174%
324	16.822	16.804	16.834	VV	15566	265298	1.46%	0.189%
325	16.840	16.834	16.849	VV	15176	135718	0.74%	0.097%
326	16.854	16.849	16.858	VV	14897	79385	0.44%	0.056%
327	16.872	16.858	16.896	VV	17401	361901	1.99%	0.257%
328	16.909	16.896	16.921	VV	15720	233539	1.28%	0.166%
329	16.925	16.921	16.946	VV	15087	218192	1.20%	0.155%
330	16.997	16.946	17.030	VV	20311	875551	4.80%	0.623%
331	17.045	17.030	17.108	VV	18481	759798	4.17%	0.540%
332	17.135	17.108	17.157	VV	16682	454424	2.49%	0.323%
333	17.171	17.157	17.182	VV	14837	214141	1.17%	0.152%
334	17.207	17.182	17.237	VV	17390	498122	2.73%	0.354%
335	17.254	17.237	17.262	VV	15180	215846	1.18%	0.153%
336	17.266	17.262	17.285	VV	15447	201734	1.11%	0.143%
337	17.304	17.285	17.335	VV	15485	442241	2.43%	0.314%
338	17.365	17.335	17.382	VV	16106	437829	2.40%	0.311%
339	17.405	17.382	17.425	VV	18543	430146	2.36%	0.306%
340	17.477	17.425	17.503	VV	19834	819151	4.49%	0.582%
341	17.510	17.503	17.528	VV	15536	223928	1.23%	0.159%
342	17.575	17.528	17.591	VV	19608	664923	3.65%	0.473%
343	17.607	17.591	17.625	VV	21192	391767	2.15%	0.279%
344	17.641	17.625	17.658	VV	17748	331172	1.82%	0.235%
345	17.698	17.658	17.732	VV	23028	862057	4.73%	0.613%
346	17.744	17.732	17.776	VV	18143	443458	2.43%	0.315%
347	17.790	17.776	17.795	VV	17408	190890	1.05%	0.136%
348	17.823	17.795	17.847	VV	31145	809121	4.44%	0.575%
349	17.861	17.847	17.865	VV	29005	290886	1.60%	0.207%
350	17.870	17.865	17.906	VV	29297	646093	3.54%	0.459%
351	17.911	17.906	17.944	VV	23879	472638	2.59%	0.336%
352	17.972	17.944	17.991	VV	21348	558721	3.06%	0.397%
353	17.998	17.991	18.031	VV	20326	442993	2.43%	0.315%
354	18.054	18.031	18.062	VV	17468	320036	1.76%	0.228%
355	18.085	18.062	18.119	VV	27710	695650	3.82%	0.495%
356	18.155	18.119	18.162	VV	18807	462360	2.54%	0.329%
357	18.172	18.162	18.200	VBA	19446	442177	2.43%	0.314%

Sum of corrected areas: 140636395

Aromatic EPH 102723.M Wed Nov 08 04:58:35 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110823AL\
Data File : FC065062.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2023 11:35
Operator : YP/AJ
Sample : 05252-01DL 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WASTEDL

Integration File: autoint1.e
Quant Time: Nov 08 23:07:44 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102823.M
Quant Title : GC Extractables
QLast Update : Sat Oct 28 02:12:00 2023
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				
12) S 1-chlorooctadecane (S...	12.942	2997036	18.958	ug/ml
Spiked Amount 50.000		Recovery = 37.92%		
Target Compounds				

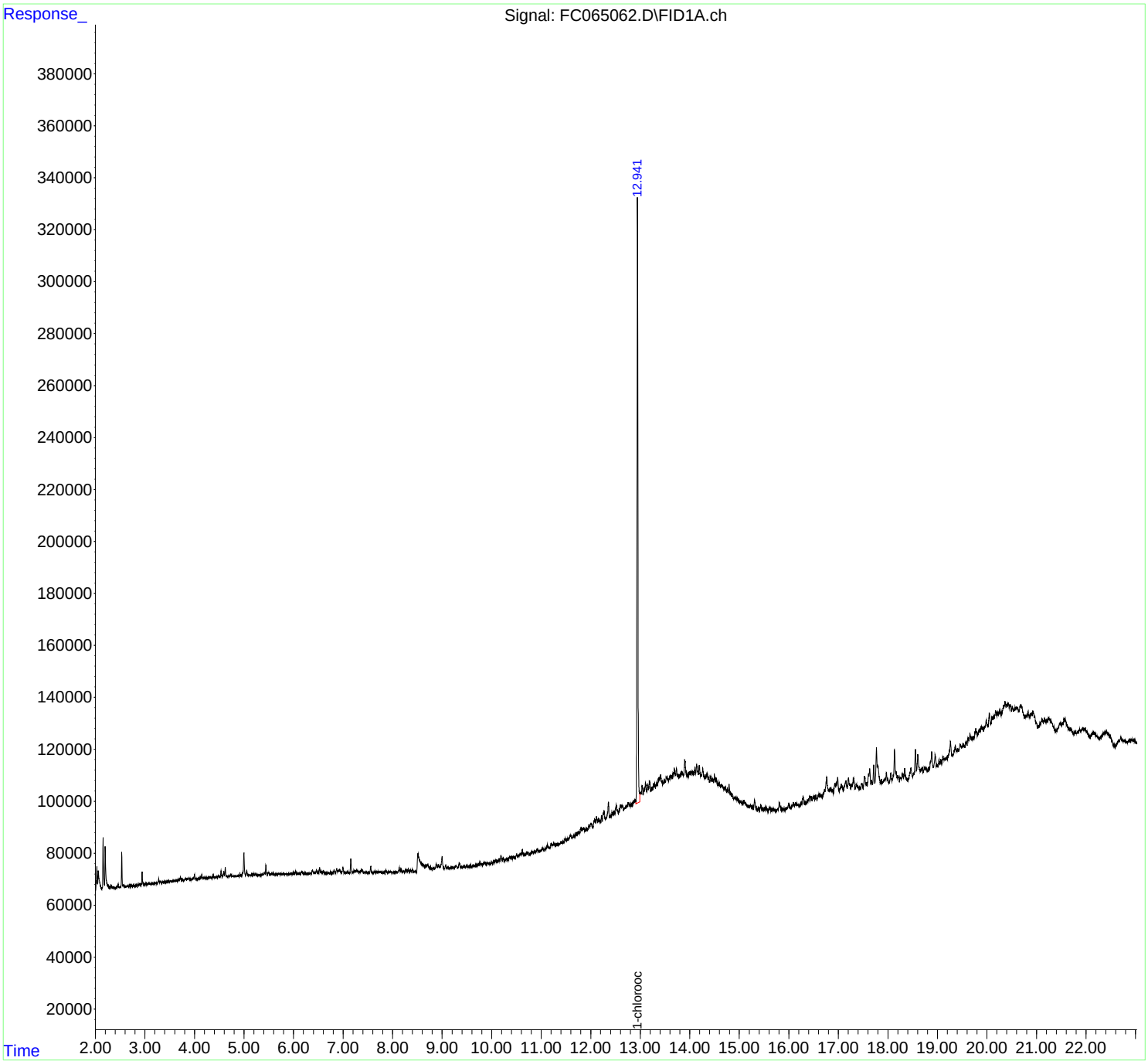
(f)=RT Delta > 1/2 Window (m)=manual int.

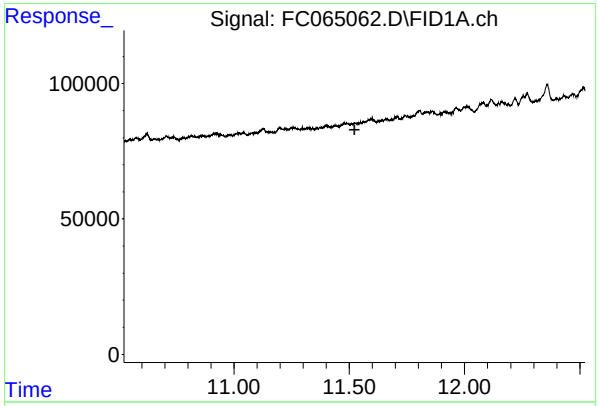
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110823AL\
Data File : FC065062.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2023 11:35
Operator : YP/AJ
Sample : 05252-01DL 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WASTEDL

Integration File: autoint1.e
Quant Time: Nov 08 23:07:44 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102823.M
Quant Title : GC Extractables
QLast Update : Sat Oct 28 02:12:00 2023
Response via : Initial Calibration
Integrator: ChemStation

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

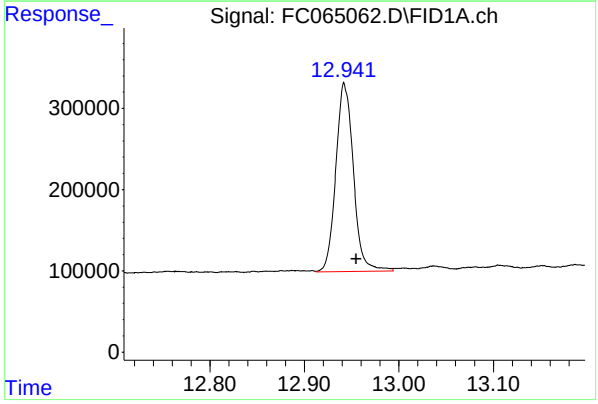




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.523 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
WASTEDL



#12 1-chlorooctadecane (SURR)

R.T.: 12.942 min
Delta R.T.: -0.013 min
Response: 2997036
Conc: 18.96 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110823AL\
Data File : FC065062.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2023 11:35
Sample : 05252-01DL 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102823.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	3.588	3.528	3.605	VV	454	12223	0.32%	0.016%
2	3.630	3.605	3.654	VV	848	13925	0.37%	0.018%
3	3.677	3.654	3.691	VV	845	12383	0.33%	0.016%
4	3.714	3.691	3.784	VV	1512	45448	1.20%	0.058%
5	3.818	3.784	3.865	VV	1104	36868	0.98%	0.047%
6	3.883	3.865	3.928	VV	1126	31405	0.83%	0.040%
7	3.973	3.942	3.984	VV	1389	23595	0.62%	0.030%
8	4.001	3.984	4.058	VV	2562	50626	1.34%	0.065%
9	4.069	4.058	4.088	VV	899	15229	0.40%	0.020%
10	4.116	4.088	4.131	VV	1280	25054	0.66%	0.032%
11	4.147	4.131	4.171	VV	2434	36275	0.96%	0.047%
12	4.207	4.171	4.222	VV	969	27743	0.73%	0.036%
13	4.375	4.351	4.398	VV	1792	38504	1.02%	0.050%
14	4.417	4.398	4.439	VV	1235	29012	0.77%	0.037%
15	4.483	4.439	4.501	VV	1621	46929	1.24%	0.060%
16	4.537	4.501	4.558	VV	3506	63412	1.68%	0.082%
17	4.592	4.558	4.606	VV	3337	58637	1.55%	0.075%
18	4.622	4.606	4.667	VV	4778	79254	2.10%	0.102%
19	4.778	4.771	4.792	VV	1327	15683	0.41%	0.020%
20	4.814	4.792	4.854	VV	1363	47893	1.27%	0.062%
21	4.920	4.854	4.942	VV	1750	72618	1.92%	0.093%
22	4.998	4.942	5.033	VV	10041	183246	4.85%	0.236%
23	5.056	5.033	5.088	VV	3407	65071	1.72%	0.084%
24	5.108	5.088	5.138	VV	1488	41293	1.09%	0.053%
25	5.230	5.213	5.266	VV	1641	45243	1.20%	0.058%
26	5.366	5.337	5.385	VV	1697	41398	1.09%	0.053%
27	5.442	5.421	5.468	VV	5013	77289	2.04%	0.099%
28	5.497	5.468	5.532	VV	2344	64325	1.70%	0.083%
29	5.650	5.635	5.665	VV	1337	23232	0.61%	0.030%
30	5.690	5.665	5.730	VV	1666	53736	1.42%	0.069%
31	5.786	5.765	5.808	VV	1294	32838	0.87%	0.042%

rteres

32	5.815	5.808	5.825	VV	1314	12666	0.34%	0.016%
33	5.853	5.825	5.901	VV	1332	56893	1.50%	0.073%
34	5.949	5.901	5.975	VV	1422	57560	1.52%	0.074%
35	5.998	5.975	6.020	VV	1651	36957	0.98%	0.048%
36	6.173	6.120	6.235	VV	1849	91803	2.43%	0.118%
37	6.294	6.272	6.308	VV	1127	24258	0.64%	0.031%
38	6.382	6.308	6.406	VV	2435	82229	2.17%	0.106%
39	6.420	6.406	6.440	VV	1431	26658	0.71%	0.034%
40	6.461	6.440	6.481	VV	2266	38123	1.01%	0.049%
41	6.498	6.481	6.510	VV	1681	24037	0.64%	0.031%
42	6.528	6.510	6.548	VV	3199	45765	1.21%	0.059%
43	6.601	6.580	6.621	VV	2102	35112	0.93%	0.045%
44	6.635	6.621	6.664	VV	1045	24987	0.66%	0.032%
45	6.691	6.664	6.725	VV	984	33503	0.89%	0.043%
46	6.744	6.725	6.765	VV	1166	24078	0.64%	0.031%
47	6.775	6.765	6.797	VV	904	16929	0.45%	0.022%
48	6.818	6.797	6.850	VV	2065	40813	1.08%	0.052%
49	6.871	6.850	6.908	VV	2545	58918	1.56%	0.076%
50	6.920	6.908	6.967	VV	2225	54919	1.45%	0.071%
51	6.998	6.967	7.031	VV	2984	58793	1.56%	0.076%
52	7.038	7.031	7.058	VV	904	12518	0.33%	0.016%
53	7.101	7.058	7.125	VV	1186	34836	0.92%	0.045%
54	7.158	7.125	7.195	VV	6089	88080	2.33%	0.113%
55	7.220	7.195	7.249	VV	1258	35333	0.93%	0.045%
56	7.266	7.249	7.278	VV	1568	21606	0.57%	0.028%
57	7.293	7.278	7.324	VV	1353	30592	0.81%	0.039%
58	7.335	7.324	7.344	VV	990	11192	0.30%	0.014%
59	7.363	7.344	7.376	VV	1545	23053	0.61%	0.030%
60	7.390	7.376	7.418	VV	1784	25691	0.68%	0.033%
61	7.457	7.445	7.491	VV	636	14804	0.39%	0.019%
62	7.505	7.491	7.526	VV	579	10502	0.28%	0.014%
63	7.559	7.526	7.601	VV	2912	44875	1.19%	0.058%
64	7.643	7.601	7.676	VV	777	23148	0.61%	0.030%
65	7.702	7.676	7.716	VV	586	12084	0.32%	0.016%
66	7.752	7.741	7.805	VV	530	15144	0.40%	0.019%
67	7.865	7.843	7.888	VV	977	15212	0.40%	0.020%
68	7.919	7.888	7.935	VV	438	10712	0.28%	0.014%
69	8.135	8.068	8.154	VV	1921	34832	0.92%	0.045%
70	8.169	8.154	8.191	VV	1532	21686	0.57%	0.028%
71	8.200	8.191	8.241	VV	732	12259	0.32%	0.016%
72	8.279	8.241	8.297	VV	900	20767	0.55%	0.027%
73	8.314	8.297	8.339	VV	965	15288	0.40%	0.020%
74	8.360	8.339	8.378	VV	780	11134	0.29%	0.014%
75	8.397	8.378	8.473	VV	1060	16428	0.43%	0.021%
76	8.514	8.473	8.606	PV	7124	283601	7.50%	0.365%
77	8.623	8.606	8.642	VV	2744	52700	1.39%	0.068%
78	8.654	8.642	8.688	VV	2164	51780	1.37%	0.067%
79	8.704	8.688	8.746	VV	2500	62875	1.66%	0.081%

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80	8.765	8.746	8.797	VV	1479	28118	0.74%	0.036%
81	8.816	8.797	8.838	VV	1090	18110	0.48%	0.023%
82	8.881	8.838	8.904	VV	2353	49772	1.32%	0.064%
83	8.921	8.904	8.956	VV	2014	42903	1.13%	0.055%
84	8.999	8.956	9.046	VV	4903	102628	2.71%	0.132%
85	9.072	9.046	9.097	VV	1618	24012	0.64%	0.031%
86	9.120	9.097	9.153	VV	955	14602	0.39%	0.019%
87	9.201	9.153	9.245	VV	586	15915	0.42%	0.020%
88	9.273	9.245	9.305	VV	897	20250	0.54%	0.026%
89	9.347	9.305	9.401	VV	2064	33208	0.88%	0.043%
90	9.575	9.513	9.595	VV	463	10691	0.28%	0.014%
91	9.723	9.698	9.741	VV	578	10083	0.27%	0.013%
92	9.763	9.741	9.815	VV	1400	25243	0.67%	0.032%
93	9.857	9.815	9.890	VV	629	21142	0.56%	0.027%
94	9.913	9.890	9.944	VV	545	12800	0.34%	0.016%
95	10.079	10.047	10.118	VV	1097	30421	0.80%	0.039%
96	10.150	10.118	10.167	VV	1622	29227	0.77%	0.038%
97	10.188	10.167	10.212	VV	2721	42257	1.12%	0.054%
98	10.234	10.212	10.254	VV	1548	28274	0.75%	0.036%
99	10.266	10.254	10.278	VV	772	10258	0.27%	0.013%
100	10.297	10.278	10.321	VV	1211	22637	0.60%	0.029%
101	10.358	10.321	10.370	VV	1570	31564	0.83%	0.041%
102	10.384	10.370	10.415	VV	1662	36131	0.96%	0.046%
103	10.438	10.415	10.456	VV	1587	33871	0.90%	0.044%
104	10.500	10.456	10.532	VV	2107	70665	1.87%	0.091%
105	10.552	10.532	10.560	VV	1918	29811	0.79%	0.038%
106	10.576	10.560	10.593	VV	2422	41459	1.10%	0.053%
107	10.622	10.593	10.643	VV	3833	78861	2.09%	0.101%
108	10.656	10.643	10.677	VV	1848	34017	0.90%	0.044%
109	10.707	10.677	10.727	VV	2724	62477	1.65%	0.080%
110	10.738	10.727	10.761	VV	2329	38693	1.02%	0.050%
111	10.781	10.761	10.790	VV	2006	29892	0.79%	0.038%
112	10.816	10.790	10.848	VV	2552	75804	2.01%	0.097%
113	10.865	10.848	10.878	VV	2481	40555	1.07%	0.052%
114	10.919	10.878	10.963	VV	3218	131203	3.47%	0.169%
115	10.984	10.963	10.995	VV	2536	43316	1.15%	0.056%
116	11.041	10.995	11.059	VV	3057	105708	2.80%	0.136%
117	11.127	11.059	11.181	VV	4470	228197	6.04%	0.293%
118	11.199	11.181	11.235	VV	4482	127468	3.37%	0.164%
119	11.261	11.235	11.288	VV	4409	127986	3.39%	0.165%
120	11.321	11.288	11.351	VV	4040	145565	3.85%	0.187%
121	11.402	11.351	11.418	VV	4708	166795	4.41%	0.214%
122	11.439	11.418	11.452	VV	4663	88925	2.35%	0.114%
123	11.479	11.452	11.504	VV	5550	153584	4.06%	0.197%
124	11.596	11.504	11.618	VV	6535	388082	10.26%	0.499%
125	11.662	11.618	11.675	VV	6351	205410	5.43%	0.264%
126	11.708	11.675	11.722	VV	7202	181926	4.81%	0.234%

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127	11.742	11.722	11.768	VV	7636	191901	5.08%	0.247%
128	11.805	11.768	11.818	VV	9210	241598	6.39%	0.311%
129	11.860	11.818	11.883	VV	8901	326080	8.62%	0.419%
130	11.920	11.883	11.938	VV	8385	259939	6.88%	0.334%
131	11.964	11.938	11.981	VV	9755	231868	6.13%	0.298%
132	12.011	11.981	12.042	VV	10049	340370	9.00%	0.438%
133	12.080	12.042	12.093	VV	11214	309819	8.19%	0.398%
134	12.116	12.093	12.138	VV	12367	302374	8.00%	0.389%
135	12.162	12.138	12.199	VV	11483	389668	10.31%	0.501%
136	12.219	12.199	12.234	VV	12499	238938	6.32%	0.307%
137	12.271	12.234	12.301	VV	14076	496031	13.12%	0.638%
138	12.358	12.301	12.384	VV	17214	652260	17.25%	0.839%
139	12.432	12.384	12.450	VV	13054	479918	12.69%	0.617%
140	12.468	12.450	12.484	VV	13457	268045	7.09%	0.345%
141	12.515	12.484	12.561	VV	15703	639367	16.91%	0.822%
142	12.601	12.561	12.673	VV	15593	969764	25.65%	1.247%
143	12.682	12.673	12.688	VV	14113	122446	3.24%	0.157%
144	12.766	12.688	12.779	VV	15919	816354	21.59%	1.050%
145	12.784	12.779	12.792	VV	15263	116104	3.07%	0.149%
146	12.799	12.792	12.807	VV	15120	133832	3.54%	0.172%
147	12.826	12.807	12.836	VV	15535	268069	7.09%	0.345%
148	12.888	12.836	12.910	VV	16649	706398	18.68%	0.908%
149	12.943	12.910	12.995	VV	247265	3780693	100.00%	4.861%
150	13.005	12.995	13.021	VV	19280	303629	8.03%	0.390%
151	13.038	13.021	13.061	VV	21843	481811	12.74%	0.620%
152	13.107	13.061	13.131	VV	22377	861230	22.78%	1.107%
153	13.152	13.131	13.165	VV	22019	414052	10.95%	0.532%
154	13.188	13.165	13.214	VV	23089	633152	16.75%	0.814%
155	13.233	13.214	13.246	VV	20482	380990	10.08%	0.490%
156	13.268	13.246	13.281	VV	21566	440686	11.66%	0.567%
157	13.292	13.281	13.308	VV	21840	343120	9.08%	0.441%
158	13.383	13.308	13.395	VV	23759	1161719	30.73%	1.494%
159	13.411	13.395	13.455	VV	24795	817557	21.62%	1.051%
160	13.495	13.455	13.508	VV	22630	703357	18.60%	0.904%
161	13.541	13.508	13.571	VV	24082	875022	23.14%	1.125%
162	13.625	13.571	13.645	VV	24077	1030133	27.25%	1.325%
163	13.686	13.645	13.715	VV	26662	1035948	27.40%	1.332%
164	13.731	13.715	13.775	VV	26550	890843	23.56%	1.145%
165	13.784	13.775	13.794	VV	23795	263079	6.96%	0.338%
166	13.825	13.794	13.868	VV	24831	1080299	28.57%	1.389%
167	13.899	13.868	13.950	VV	29341	1255630	33.21%	1.615%
168	13.967	13.950	13.978	VV	24440	388525	10.28%	0.500%
169	14.003	13.978	14.019	VV	24603	589184	15.58%	0.758%
170	14.044	14.019	14.065	VV	24529	654404	17.31%	0.841%
171	14.070	14.065	14.081	VV	23981	237375	6.28%	0.305%
172	14.104	14.081	14.119	VV	26001	551778	14.59%	0.709%
173	14.139	14.119	14.171	VV	26715	777910	20.58%	1.000%
174	14.189	14.171	14.237	VV	26371	953128	25.21%	1.226%

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175	14.261	14.237	14.317	VV	25331	1081029	28.59%	1.390%
176	14.355	14.317	14.368	VV	22823	677683	17.92%	0.871%
177	14.379	14.368	14.398	VV	21428	371243	9.82%	0.477%
178	14.421	14.398	14.448	VV	21530	619444	16.38%	0.797%
179	14.459	14.448	14.480	VV	20314	383061	10.13%	0.493%
180	14.496	14.480	14.518	VV	22238	467660	12.37%	0.601%
181	14.532	14.518	14.559	VV	20749	473239	12.52%	0.609%
182	14.595	14.559	14.619	VV	18830	643919	17.03%	0.828%
183	14.635	14.619	14.689	VV	17883	721579	19.09%	0.928%
184	14.711	14.689	14.751	VV	16975	591673	15.65%	0.761%
185	14.758	14.751	14.777	VV	15768	235359	6.23%	0.303%
186	14.792	14.777	14.814	VV	17422	348021	9.21%	0.447%
187	14.824	14.814	14.845	VV	14207	246821	6.53%	0.317%
188	14.855	14.845	14.885	VV	13724	303521	8.03%	0.390%
189	14.915	14.885	15.005	VV	12315	823216	21.77%	1.059%
190	15.023	15.005	15.058	VV	10321	320982	8.49%	0.413%
191	15.093	15.058	15.119	VV	10493	350936	9.28%	0.451%
192	15.124	15.119	15.181	VV	9572	320935	8.49%	0.413%
193	15.197	15.181	15.208	VV	8295	127347	3.37%	0.164%
194	15.228	15.208	15.252	VV	8458	205705	5.44%	0.265%
195	15.262	15.252	15.280	VV	7665	126926	3.36%	0.163%
196	15.307	15.280	15.362	VV	10106	376755	9.97%	0.484%
197	15.372	15.362	15.408	VV	6466	171822	4.54%	0.221%
198	15.432	15.408	15.459	VV	8046	203264	5.38%	0.261%
199	15.481	15.459	15.503	VV	6735	159132	4.21%	0.205%
200	15.520	15.503	15.541	VV	6728	140228	3.71%	0.180%
201	15.552	15.541	15.575	VV	6087	116196	3.07%	0.149%
202	15.616	15.575	15.649	VV	6182	249345	6.60%	0.321%
203	15.687	15.649	15.704	VV	5953	174261	4.61%	0.224%
204	15.712	15.704	15.728	VV	5241	70596	1.87%	0.091%
205	15.769	15.728	15.781	VV	5268	156743	4.15%	0.202%
206	15.808	15.781	15.843	VV	7523	228314	6.04%	0.294%
207	15.860	15.843	15.881	VV	5510	116115	3.07%	0.149%
208	15.897	15.881	15.914	VV	5119	95330	2.52%	0.123%
209	15.923	15.914	15.932	VV	5091	52495	1.39%	0.067%
210	16.000	15.932	16.043	VV	6450	365697	9.67%	0.470%
211	16.089	16.043	16.117	VV	6646	257729	6.82%	0.331%
212	16.132	16.117	16.214	VV	6346	343471	9.08%	0.442%
213	16.249	16.214	16.262	VV	6858	174773	4.62%	0.225%
214	16.288	16.262	16.318	VV	8860	238267	6.30%	0.306%
215	16.328	16.318	16.338	VV	6065	71259	1.88%	0.092%
216	16.379	16.338	16.387	VV	7153	188833	4.99%	0.243%
217	16.396	16.387	16.407	VV	7293	86979	2.30%	0.112%
218	16.421	16.407	16.442	VV	8480	165669	4.38%	0.213%
219	16.452	16.442	16.473	VV	8207	138557	3.66%	0.178%
220	16.495	16.473	16.508	VV	8026	158002	4.18%	0.203%
221	16.513	16.508	16.531	VV	8308	106425	2.81%	0.137%

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222	16.547	16.531	16.569	VV	8373	170264	4.50%	0.219%
223	16.625	16.569	16.661	VV	8837	446422	11.81%	0.574%
224	16.722	16.661	16.730	VV	10223	358392	9.48%	0.461%
225	16.765	16.730	16.814	VV	14670	579208	15.32%	0.745%
226	16.849	16.814	16.868	VV	10402	318794	8.43%	0.410%
227	16.879	16.868	16.900	VV	9691	180504	4.77%	0.232%
228	16.929	16.900	16.945	VV	12040	286073	7.57%	0.368%
229	16.984	16.945	17.011	VV	14200	462481	12.23%	0.595%
230	17.058	17.011	17.104	VV	11115	550015	14.55%	0.707%
231	17.154	17.104	17.178	VV	12415	475325	12.57%	0.611%
232	17.203	17.178	17.255	VV	13182	506505	13.40%	0.651%
233	17.266	17.255	17.278	VV	10556	142990	3.78%	0.184%
234	17.303	17.278	17.339	VV	13003	405348	10.72%	0.521%
235	17.363	17.339	17.381	VV	10292	249990	6.61%	0.321%
236	17.392	17.381	17.415	VV	9810	185427	4.90%	0.238%
237	17.428	17.415	17.448	VV	9344	175165	4.63%	0.225%
238	17.476	17.448	17.498	VV	10703	287829	7.61%	0.370%
239	17.528	17.498	17.561	VV	13022	412651	10.91%	0.531%
240	17.568	17.561	17.585	VV	10379	142337	3.76%	0.183%
241	17.632	17.585	17.657	VV	15685	547695	14.49%	0.704%
242	17.670	17.657	17.688	VV	10995	194313	5.14%	0.250%
243	17.713	17.688	17.735	VV	16628	354356	9.37%	0.456%
244	17.769	17.735	17.858	VV	23421	1057963	27.98%	1.360%
245	17.870	17.858	17.885	VV	11157	167856	4.44%	0.216%
246	17.970	17.885	18.019	VV	13551	856486	22.65%	1.101%
247	18.057	18.019	18.094	VV	12852	479145	12.67%	0.616%
248	18.134	18.094	18.156	VV	21579	552204	14.61%	0.710%
249	18.165	18.156	18.185	VV	13162	213824	5.66%	0.275%
250	18.195	18.185	18.232	VV	11531	302719	8.01%	0.389%
251	18.251	18.232	18.268	VV	10701	221985	5.87%	0.285%
252	18.290	18.268	18.314	VV	11966	301893	7.99%	0.388%
253	18.338	18.314	18.403	VV	13746	584657	15.46%	0.752%
254	18.465	18.403	18.500	VV	13779	656911	17.38%	0.845%
255	18.555	18.500	18.578	VV	20581	649706	17.18%	0.835%
256	18.604	18.578	18.655	VV	18429	669138	17.70%	0.860%
257	18.695	18.655	18.714	VV	13538	447049	11.82%	0.575%
258	18.735	18.714	18.755	VV	13354	303771	8.03%	0.391%
259	18.765	18.755	18.801	VV	13152	349284	9.24%	0.449%
260	18.822	18.801	18.841	VV	12735	292265	7.73%	0.376%
261	18.885	18.841	18.922	VV	18828	727623	19.25%	0.936%
262	18.953	18.922	18.985	VV	17433	555757	14.70%	0.715%
263	18.992	18.985	19.009	VV	13590	195640	5.17%	0.252%
264	19.033	19.009	19.051	VV	15504	357847	9.47%	0.460%
265	19.068	19.051	19.085	VV	15192	290117	7.67%	0.373%
266	19.114	19.085	19.139	VV	16436	495530	13.11%	0.637%
267	19.149	19.139	19.161	VV	15511	205995	5.45%	0.265%
268	19.169	19.161	19.178	VV	15645	154916	4.10%	0.199%
269	19.192	19.178	19.202	VV	15828	225398	5.96%	0.290%

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270	19.264	19.202	19.314	VV	21821	1183567	31.31%	1.522%
271	19.361	19.314	19.388	VV	20168	801822	21.21%	1.031%
272	19.409	19.388	19.435	VV	18570	508891	13.46%	0.654%
273	19.458	19.435	19.488	VV	20122	613641	16.23%	0.789%
274	19.530	19.488	19.554	VV	20181	761787	20.15%	0.980%
275	19.582	19.554	19.598	VV	20876	532738	14.09%	0.685%
276	19.625	19.598	19.635	VV	22119	464454	12.28%	0.597%
277	19.657	19.635	19.695	VV	23664	796464	21.07%	1.024%
278	19.730	19.695	19.740	VV	22300	596988	15.79%	0.768%
279	19.773	19.740	19.807	VV	25006	947333	25.06%	1.218%
280	19.896	19.807	19.906	VV	25798	1439591	38.08%	1.851%
281	19.915	19.906	19.930	VV	24909	363635	9.62%	0.468%
					Sum of corrected areas:	77770266		

Aliphatic EPH 102823.M Thu Nov 09 03:35:30 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110723AL\
Data File : FC065038.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2023 20:40
Operator : YP/AJ
Sample : PB156949BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB156949BL

Integration File: autoint1.e
Quant Time: Nov 07 22:03:12 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102823.M
Quant Title : GC Extractables
QLast Update : Sat Oct 28 02:12:00 2023
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			
12) S 1-chlorooctadecane (S...	12.948	7136989	45.147 ug/ml
Spiked Amount 50.000		Recovery = 90.29%	
Target Compounds			

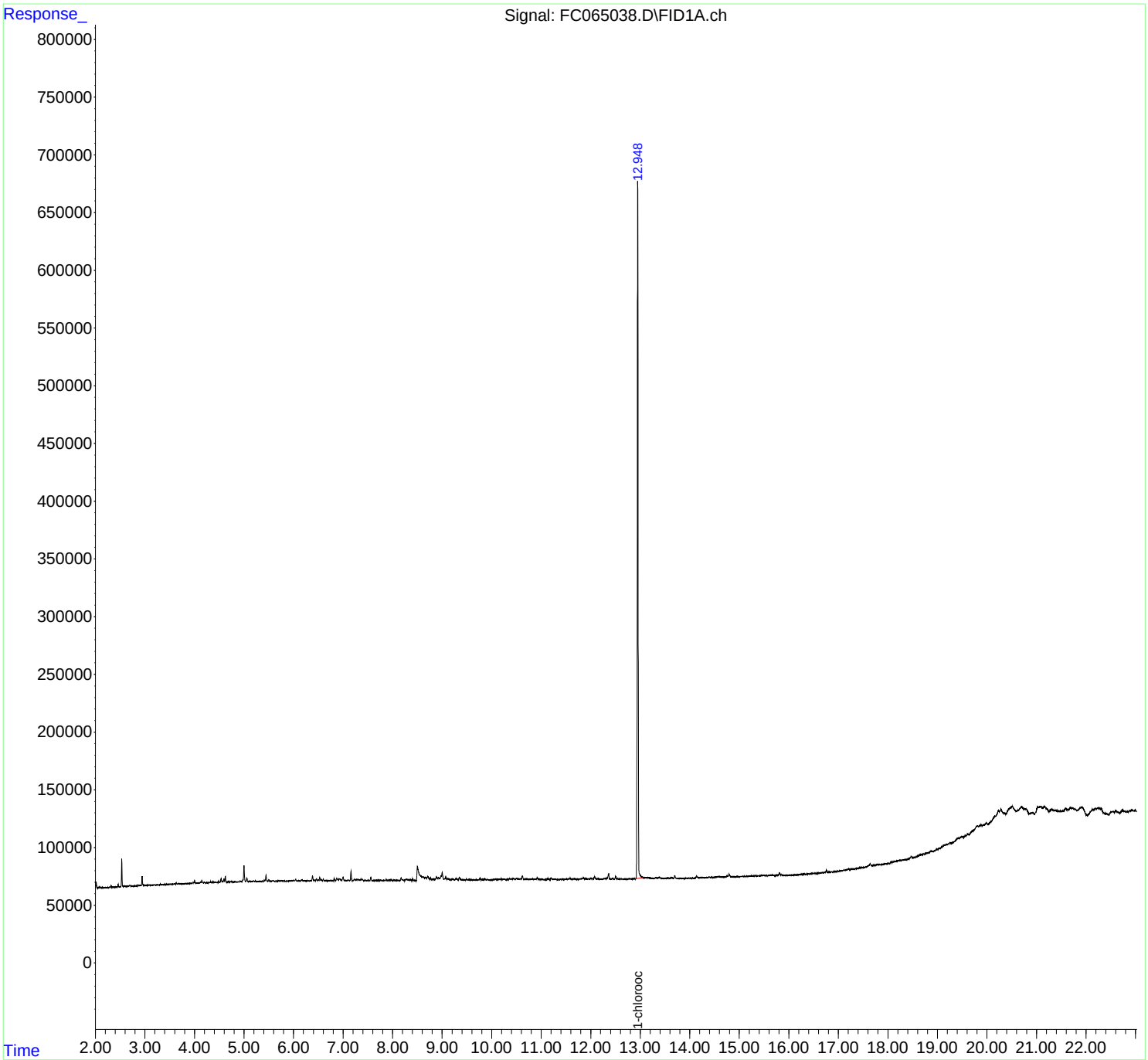
(f)=RT Delta > 1/2 Window (m)=manual int.

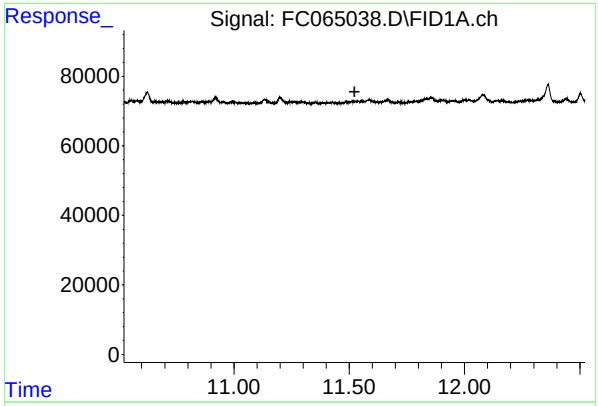
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110723AL\
Data File : FC065038.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2023 20:40
Operator : YP/AJ
Sample : PB156949BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB156949BL

Integration File: autoint1.e
Quant Time: Nov 07 22:03:12 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102823.M
Quant Title : GC Extractables
QLast Update : Sat Oct 28 02:12:00 2023
Response via : Initial Calibration
Integrator: ChemStation

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

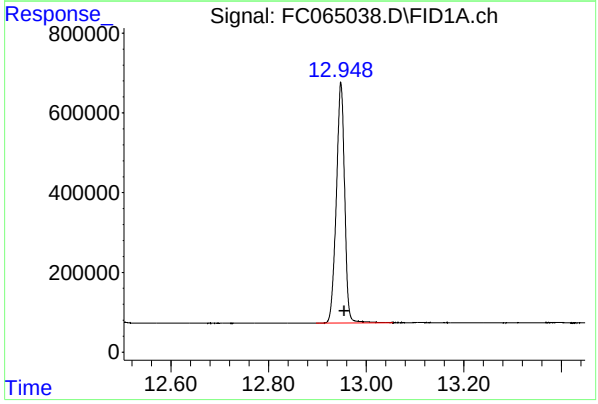




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.523 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
PB156949BL



#12 1-chlorooctadecane (SURR)

R.T.: 12.948 min
Delta R.T.: -0.007 min
Response: 7136989
Conc: 45.15 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110723AL\
Data File : FC065038.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2023 20:40
Sample : PB156949BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102823.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	12.948	12.897	13.055	BB	603303	7136989	100.00%	100.000%

Sum of corrected areas: 7136989

Aliphatic EPH 102823.M Tue Nov 07 23:46:03 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD110723AR\
Data File : FD046839.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2023 17:30
Operator : YP/AJ
Sample : PB156949BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB156949BL

Integration File: autoint1.e
Quant Time: Nov 07 22:02:44 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102723.M
Quant Title : GC Extractables
QLast Update : Sat Oct 28 02:49:53 2023
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.484	6788267	37.222 ug/ml
Spiked Amount 50.000		Recovery = 74.44%	
6) S 2-Flurobiphenyl (SURR)	8.337	3925413	33.356 ug/ml
Spiked Amount 50.000	Range 0 - 131	Recovery = 66.71%	
11) S ortho-Terphenyl (SURR)	11.377	8576851	40.503 ug/ml
Spiked Amount 50.000		Recovery = 81.01%	
Target Compounds			

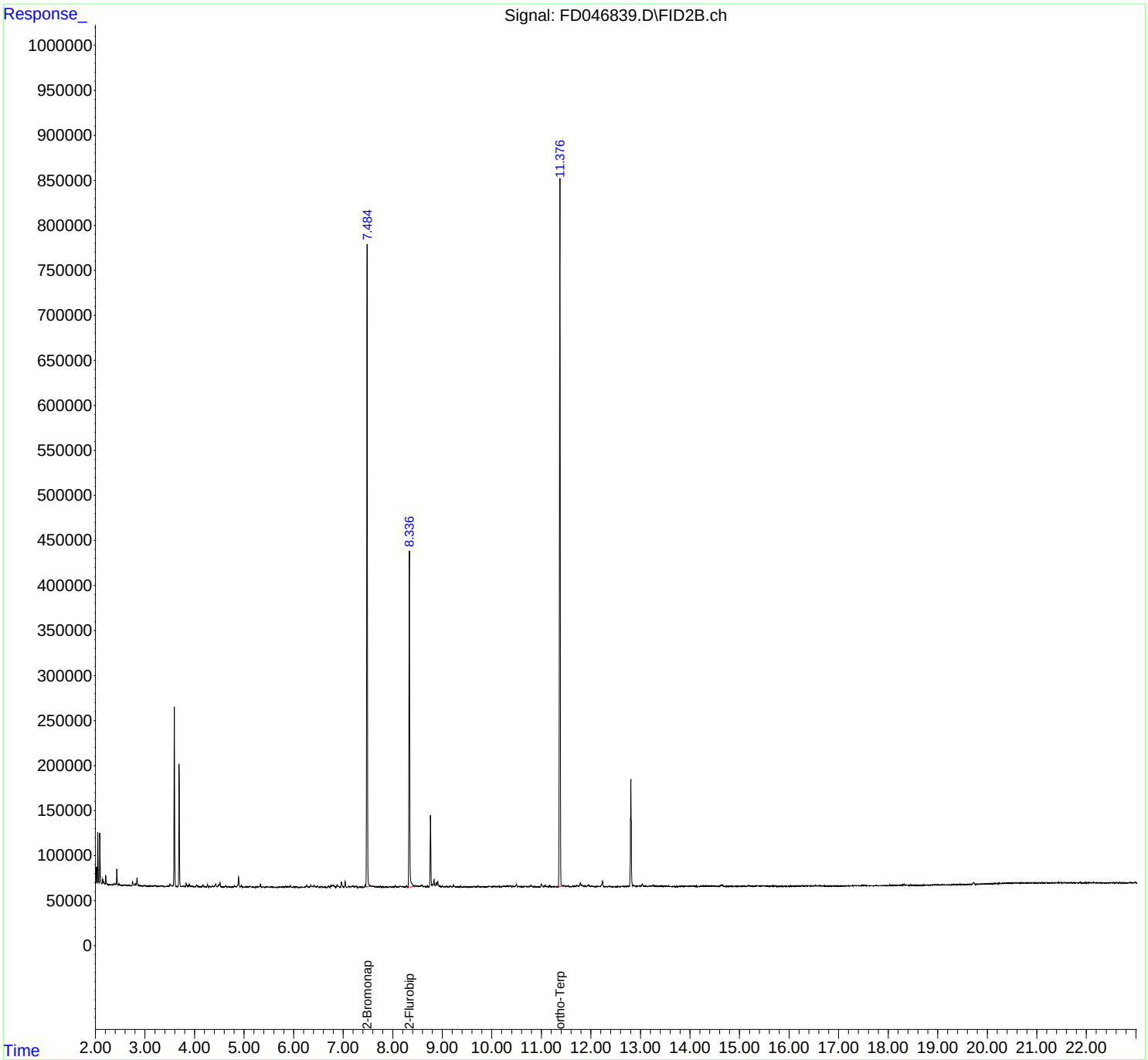
(f)=RT Delta > 1/2 Window (m)=manual int.

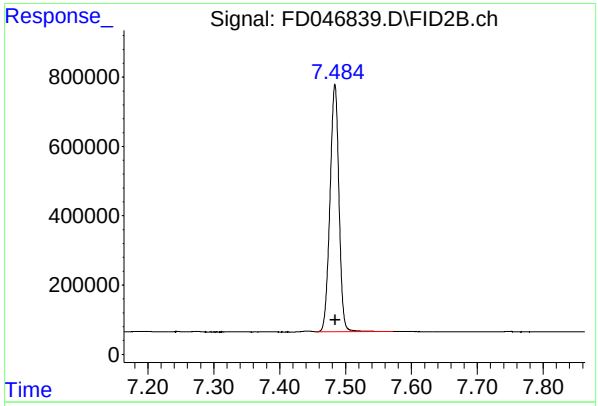
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD110723AR\
Data File : FD046839.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2023 17:30
Operator : YP/AJ
Sample : PB156949BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB156949BL

Integration File: autoint1.e
Quant Time: Nov 07 22:02:44 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102723.M
Quant Title : GC Extractables
QLast Update : Sat Oct 28 02:49:53 2023
Response via : Initial Calibration
Integrator: ChemStation

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

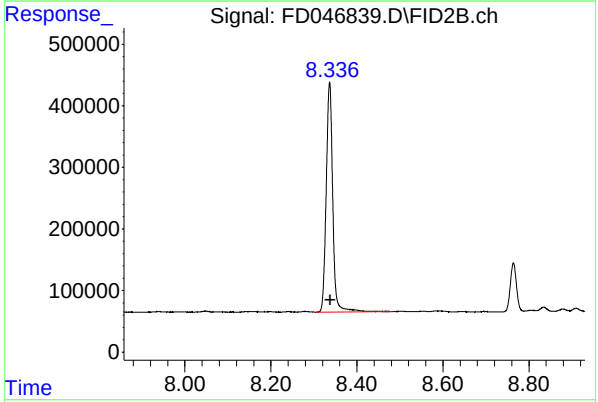




#4 2-Bromonaphthalene (SURR)

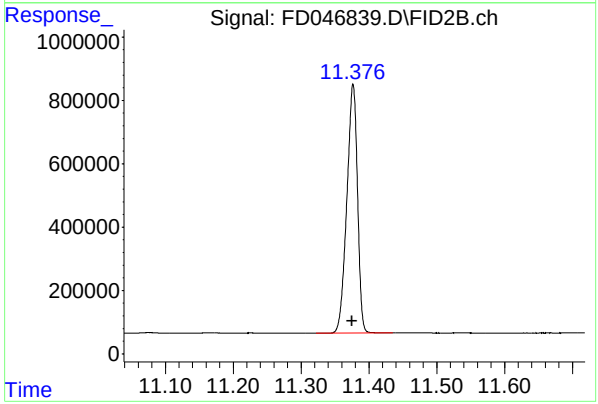
R.T.: 7.484 min
Delta R.T.: 0.000 min
Response: 6788267
Conc: 37.22 ug/ml

Instrument :
FID_D
ClientSampleId :
PB156949BL



#6 2-Flurobiphenyl (SURR)

R.T.: 8.337 min
Delta R.T.: -0.002 min
Response: 3925413
Conc: 33.36 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.377 min
Delta R.T.: 0.001 min
Response: 8576851
Conc: 40.50 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD110723AR\
Data File : FD046839.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2023 17:30
Sample : PB156949BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102723.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	7.484	7.455	7.572	VB	713777	6788267	79.15%	35.190%
2	8.337	8.305	8.484	PB	374352	3925413	45.77%	20.349%
3	11.377	11.322	11.435	BV	787447	8576851	100.00%	44.461%
			Sum of corrected areas:			19290531		

Aromatic EPH 102723.M Tue Nov 07 23:33:12 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110723AL\
Data File : FC065039.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2023 21:17
Operator : YP/AJ
Sample : PB156949BS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB156949BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/08/2023
Supervised By :Ankita Jodhani 11/08/2023

Integration File: autoint1.e
Quant Time: Nov 07 23:36:56 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102823.M
Quant Title : GC Extractables
QLast Update : Sat Oct 28 02:12:00 2023
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			
12) S	1-chlorooctadecane (S...	12.949	6207373	39.266 ug/ml
Spiked Amount	50.000		Recovery =	78.53%
	Target Compounds			
1) T	n-Nonane (C9)	3.311	4265573	22.561 ug/ml
2) T	n-Decane (C10)	4.372	5265857	27.694 ug/ml
4) T	n-Dodecane (C12)	6.383	6144880	31.810 ug/ml
6) T	n-Tetradecane (C14)	8.172	6741461	35.728 ug/ml
7) T	n-Hexadecane (C16)	9.767	7232761	38.264 ug/ml
8) T	n-Octadecane (C18)	11.203	7597085	40.254 ug/ml
10) T	n-Eicosane (C20)	12.507	7982317	44.400 ug/ml
11) T	n-Heneicosane (C21)	13.115	7670477	43.689 ug/ml
13) T	n-Docosane (C22)	13.699	7609602	44.301 ug/ml
14) T	n-Tetracosane (C24)	14.797	7380619	44.313 ug/ml
15) T	n-Hexacosane (C26)	15.813	7158617	44.600 ug/ml
16) T	n-Octacosane (C28)	16.758	6968325	44.526 ug/ml
17) T	n-Tricontane (C30)	17.643	6899927	43.562 ug/ml
18) T	n-Dotriacontane (C32)	18.472	6816528	43.172 ug/ml
19) T	n-Tetratriacontane (C34)	19.253	6667083	43.679 ug/mlm
20) T	n-Hexatriacontane (C36)	19.988	6369160	42.213 ug/ml
21) T	n-Octatriacontane (C38)	20.711	6323077	42.489 ug/mlm
22) T	n-Tetracontane (C40)	21.593	6064269	41.231 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110723AL\
Data File : FC065039.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2023 21:17
Operator : YP/AJ
Sample : PB156949BS
Misc :
ALS Vial : 20 Sample Multiplier: 1

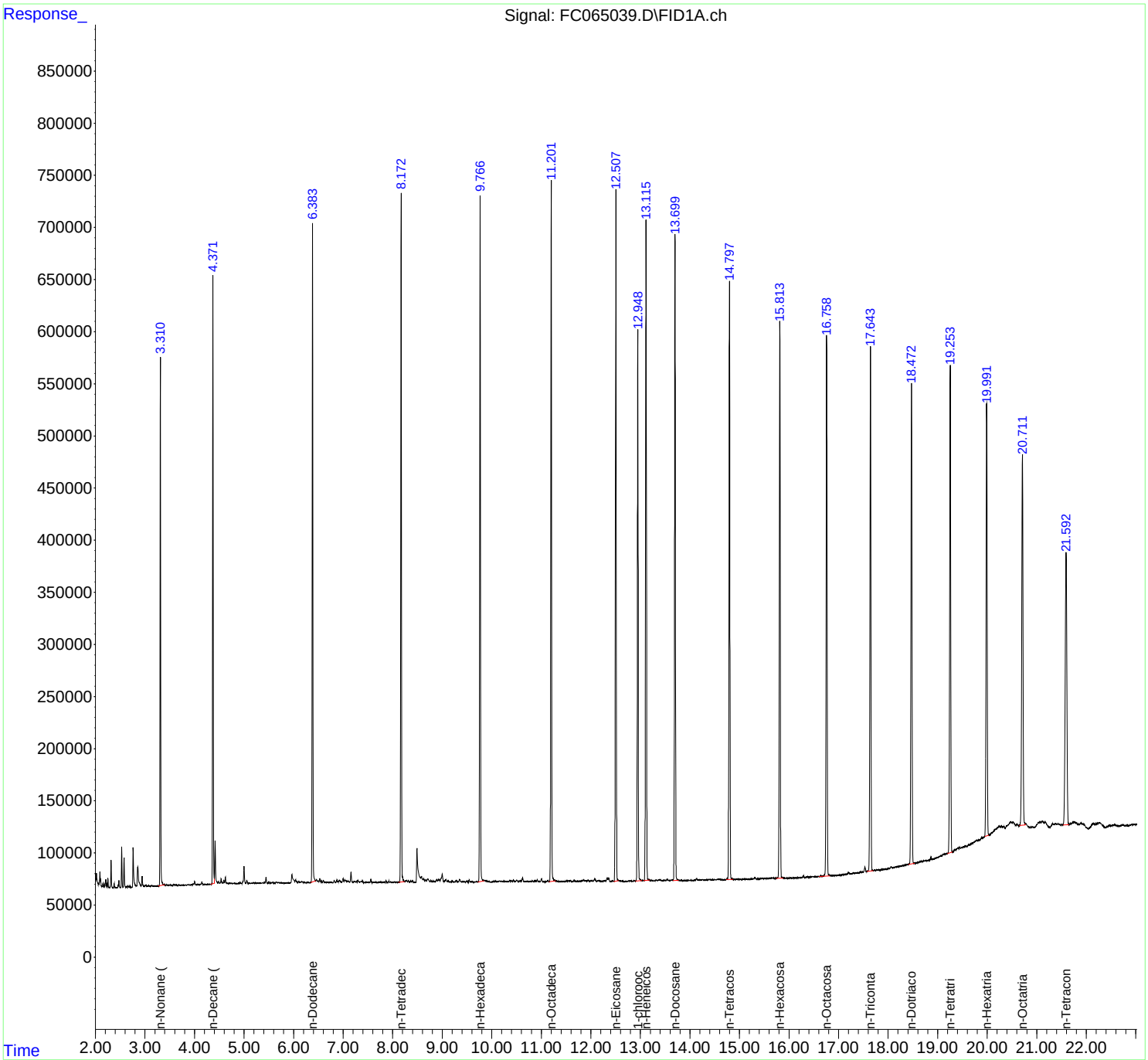
Instrument :
FID_C
ClientSampleId :
PB156949BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/08/2023
Supervised By :Ankita Jodhani 11/08/2023

Integration File: autoint1.e
Quant Time: Nov 07 23:36:56 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102823.M
Quant Title : GC Extractables
QLast Update : Sat Oct 28 02:12:00 2023
Response via : Initial Calibration
Integrator: ChemStation

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



Instrument :
FID_C
ClientSampleId :
PB156949BS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/08/2023
Supervised By :Ankita Jodhani 11/08/2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC
Data File : FC065039.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2023 21:17
Sample : PB156949BS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102823.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	3.311	3.269	3.390	BB	505203	4265573	53.44%	3.345%
2	4.372	4.323	4.400	BV	583420	5265857	65.97%	4.129%
3	6.383	6.340	6.445	BV	631453	6144880	76.98%	4.819%
4	8.172	8.126	8.242	BV	660888	6741461	84.45%	5.286%
5	9.767	9.721	9.848	BB	658344	7232761	90.61%	5.672%
6	11.203	11.153	11.286	BB	671617	7597085	95.17%	5.957%
7	12.507	12.471	12.558	BB	663607	7982317	100.00%	6.259%
8	12.949	12.897	13.030	BB	527906	6207373	77.76%	4.868%
9	13.115	13.065	13.182	BB	633561	7670477	96.09%	6.015%
10	13.699	13.664	13.773	BB	618341	7609602	95.33%	5.967%
11	14.797	14.729	14.866	BB	574579	7380619	92.46%	5.788%
12	15.813	15.736	15.884	BB	533839	7158617	89.68%	5.614%
13	16.758	16.603	16.827	BB	519322	6968325	87.30%	5.464%
14	17.643	17.569	17.702	BB	502939	6899927	86.44%	5.411%
15	18.472	18.408	18.538	BB	461052	6816528	85.40%	5.345%
16	19.253	19.009	19.295	BV	467703	6718370	84.17%	5.268%
17	19.988	19.950	20.035	BV	410031	6369160	79.79%	4.995%
18	20.710	20.651	20.871	BV	356256	6430224	80.56%	5.042%
19	21.593	21.531	21.648	BV	260517	6064269	75.97%	4.755%

Sum of corrected areas: 127523423

Aliphatic EPH 102823.M Tue Nov 07 23:46:39 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD110723AR\
Data File : FD046840.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2023 18:08
Operator : YP/AJ
Sample : PB156949BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB156949BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/08/2023
Supervised By :Ankita Jodhani 11/08/2023

Integration File: autoint1.e
Quant Time: Nov 07 22:02:52 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102723.M
Quant Title : GC Extractables
QLast Update : Sat Oct 28 02:49:53 2023
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4)	S 2-Bromonaphthalene (S...	7.485	8396396	46.039 ug/ml
	Spiked Amount 50.000		Recovery =	92.08%
6)	S 2-Flurobiphenyl (SURR)	8.338	4774343	40.570 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery =	81.14%
11)	S ortho-Terphenyl (SURR)	11.377	8637285	40.789 ug/ml
	Spiked Amount 50.000		Recovery =	81.58%
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.296	5429465	28.114 ug/mlm
2)	T Naphthalene (C11.7)	5.823	6399022	31.956 ug/ml
3)	T 2-Methylnaphthalene (...	6.872	6741729	33.544 ug/ml
5)	T Acenaphthylene (C15.06)	8.142	7324793	39.824 ug/ml
7)	T Acenaphthene (C15.5)	8.438	7294074	37.236 ug/ml
8)	T Flouorene (C16.55)	9.216	7531206	40.716 ug/ml
9)	T Phenanthrene (C19.36)	10.606	7606087	42.754 ug/ml
10)	T Anthracene (C19.43)	10.681	7450612	43.720 ug/ml
12)	T Fluoranthene (C21.85)	12.409	7913254	45.818 ug/ml
13)	T Pyrene (C20.8)	12.704	7931137	47.698 ug/ml
14)	T Benzo[a]anthracene (C...	14.568	6964781	49.504 ug/ml
15)	T Chrysene (C27.41)	14.611	7007737	44.934 ug/ml
16)	T benzo[b]fluoranthene ...	16.111	6836754	47.768 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.146	6608664	45.140 ug/ml
18)	T Benzo[a]pyrene (C31.34)	16.487	6262447	44.678 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	17.845	6118321	48.432 ug/ml
20)	T Dibenz[a,h]anthracene...	17.884	5467974	39.140 ug/ml
21)	T Benzo[g,h,i]perylene ...	18.098	5880881	42.119 ug/ml

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

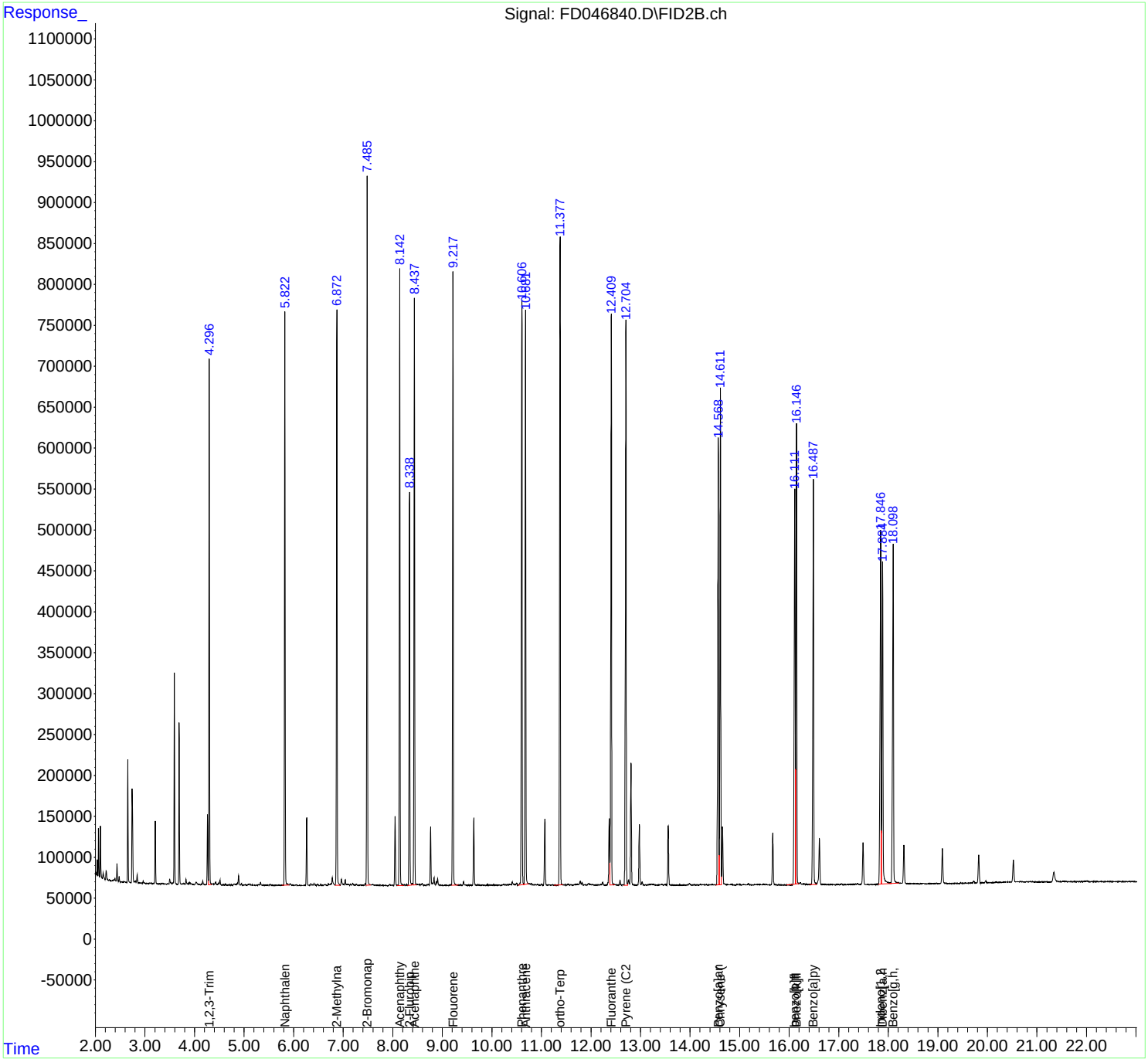
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD110723AR\
Data File : FD046840.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2023 18:08
Operator : YP/AJ
Sample : PB156949BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB156949BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/08/2023
Supervised By :Ankita Jodhani 11/08/2023

Integration File: autoint1.e
Quant Time: Nov 07 22:02:52 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102723.M
Quant Title : GC Extractables
QLast Update : Sat Oct 28 02:49:53 2023
Response via : Initial Calibration
Integrator: ChemStation

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



Instrument :
FID_D
ClientSampleId :
PB156949BS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/08/2023
Supervised By :Ankita Jodhani 11/08/2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD
Data File : FD046840.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2023 18:08
Sample : PB156949BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102723.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.296	4.278	4.347	PV	638282	5327542	61.68%	3.688%
2	5.823	5.762	5.912	BV	700621	6399022	74.09%	4.429%
3	6.872	6.835	6.942	PV	703921	6741729	78.05%	4.666%
4	7.485	7.457	7.558	VV	868068	8396396	97.21%	5.812%
5	8.142	8.092	8.215	VV	754971	7324793	84.80%	5.070%
6	8.338	8.302	8.385	PV	480379	4774343	55.28%	3.305%
7	8.438	8.408	8.483	VV	715110	7294074	84.45%	5.049%
8	9.216	9.187	9.320	VB	752362	7531206	87.19%	5.213%
9	10.606	10.527	10.647	PV	706924	7606087	88.06%	5.265%
10	10.681	10.647	10.747	VV	695543	7450612	86.26%	5.157%
11	11.377	11.252	11.433	BV	792648	8637285	100.00%	5.978%
12	12.409	12.382	12.483	VB	694665	7913254	91.62%	5.477%
13	12.704	12.667	12.742	VV	684294	7931137	91.82%	5.490%
14	14.568	14.518	14.587	BV	548126	6964781	80.64%	4.821%
15	14.611	14.587	14.633	VV	605084	7007737	81.13%	4.850%
16	16.111	15.945	16.126	BV	481518	6836754	79.15%	4.732%
17	16.146	16.126	16.197	VV	560886	6608664	76.51%	4.574%
18	16.487	16.408	16.548	BV	496724	6262447	72.50%	4.335%
19	17.845	17.800	17.861	BV	432519	6118321	70.84%	4.235%
20	17.884	17.861	18.050	VV	393580	5467974	63.31%	3.785%
21	18.098	18.050	18.220	VBA	416036	5880881	68.09%	4.071%

Sum of corrected areas: 144475039

Aromatic EPH 102723.M Tue Nov 07 23:34:02 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110723AL\
Data File : FC065040.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2023 21:55
Operator : YP/AJ
Sample : PB156949BSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB156949BSD

Integration File: autoint1.e
Quant Time: Nov 07 23:37:06 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102823.M
Quant Title : GC Extractables
QLast Update : Sat Oct 28 02:12:00 2023
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			
12) S	1-chlorooctadecane (S...	12.947	6227333	39.392 ug/ml
Spiked Amount	50.000		Recovery =	78.78%
	Target Compounds			
1) T	n-Nonane (C9)	3.311	4372604	23.127 ug/ml
2) T	n-Decane (C10)	4.372	5388264	28.338 ug/ml
4) T	n-Dodecane (C12)	6.382	6351355	32.879 ug/ml
6) T	n-Tetradecane (C14)	8.171	6941111	36.786 ug/ml
7) T	n-Hexadecane (C16)	9.765	7464181	39.488 ug/ml
8) T	n-Octadecane (C18)	11.201	7880213	41.754 ug/ml
10) T	n-Eicosane (C20)	12.507	8287401	46.097 ug/ml
11) T	n-Heneicosane (C21)	13.116	7921239	45.117 ug/ml
13) T	n-Docosane (C22)	13.698	7859482	45.755 ug/ml
14) T	n-Tetracosane (C24)	14.797	7593496	45.591 ug/ml
15) T	n-Hexacosane (C26)	15.813	7351614	45.802 ug/ml
16) T	n-Octacosane (C28)	16.758	7120860	45.500 ug/ml
17) T	n-Tricontane (C30)	17.643	7053428	44.531 ug/ml
18) T	n-Dotriacontane (C32)	18.473	6964624	44.109 ug/ml
19) T	n-Tetratriacontane (C34)	19.251	6821317	44.689 ug/ml
20) T	n-Hexatriacontane (C36)	19.989	6501478	43.090 ug/ml
21) T	n-Octatriacontane (C38)	20.710	6483028	43.564 ug/ml
22) T	n-Tetracontane (C40)	21.594	6281447	42.708 ug/ml

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

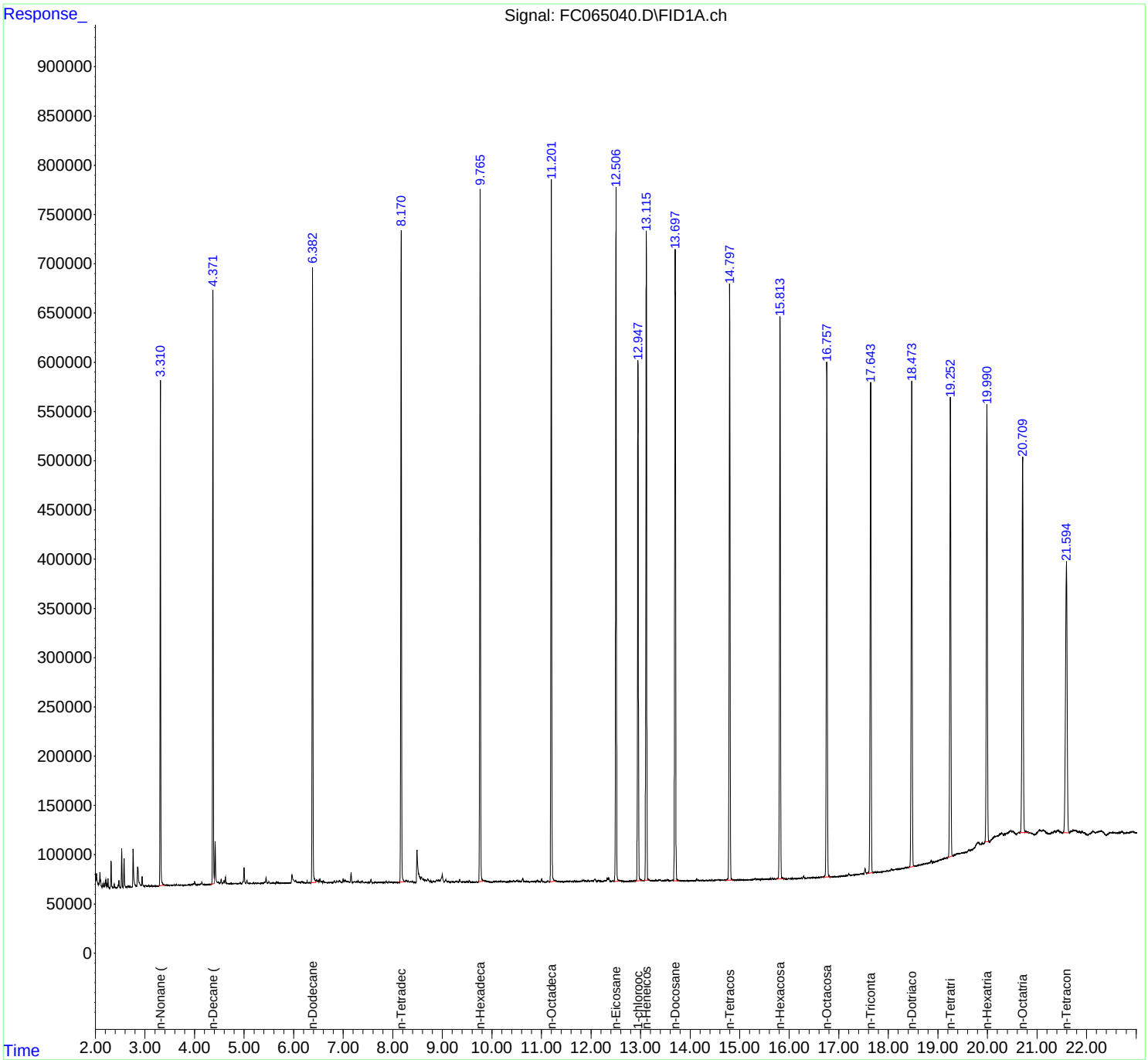
Sample Results: **FC065040.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110723AL\
Data File : FC065040.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2023 21:55
Operator : YP/AJ
Sample : PB156949BSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB156949BSD

Integration File: autoint1.e
Quant Time: Nov 07 23:37:06 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102823.M
Quant Title : GC Extractables
QLast Update : Sat Oct 28 02:12:00 2023
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\FC110723AL\
Data File : FC065040.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2023 21:55
Sample : PB156949BSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102823.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	3.311	3.267	3.397	BB	512259	4372604	52.76%	3.341%
2	4.372	4.323	4.400	BV	602850	5388264	65.02%	4.117%
3	6.382	6.337	6.447	BV	624112	6351355	76.64%	4.853%
4	8.171	8.120	8.243	BV	661553	6941111	83.75%	5.304%
5	9.765	9.718	9.844	BB	702472	7464181	90.07%	5.704%
6	11.201	11.159	11.288	BB	712978	7880213	95.09%	6.022%
7	12.507	12.467	12.581	BB	703795	8287401	100.00%	6.333%
8	12.947	12.892	13.022	BB	527953	6227333	75.14%	4.759%
9	13.116	13.062	13.174	BB	658702	7921239	95.58%	6.053%
10	13.698	13.659	13.777	PB	638808	7859482	94.84%	6.006%
11	14.797	14.717	14.873	BB	605731	7593496	91.63%	5.803%
12	15.813	15.732	15.892	BB	570586	7351614	88.71%	5.618%
13	16.758	16.687	16.839	BB	520107	7120860	85.92%	5.441%
14	17.643	17.569	17.691	BB	498480	7053428	85.11%	5.390%
15	18.473	18.408	18.527	BB	491678	6964624	84.04%	5.322%
16	19.251	19.183	19.294	BB	466412	6821317	82.31%	5.213%
17	19.989	19.951	20.037	BB	442260	6501478	78.45%	4.968%
18	20.710	20.650	20.844	BB	381322	6483028	78.23%	4.954%
19	21.594	21.530	21.650	BV	274867	6281447	75.80%	4.800%

Sum of corrected areas: 130864478

Aliphatic EPH 102823.M Tue Nov 07 23:47:15 2023

Quantitation Report (QT Reviewed)

Sample Results: **FD046841.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD110723AR\
Data File : FD046841.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2023 18:46
Operator : YP/AJ
Sample : PB156949BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB156949BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/08/2023
Supervised By :Ankita Jodhani 11/08/2023

Integration File: autoint1.e
Quant Time: Nov 07 22:03:02 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102723.M
Quant Title : GC Extractables
QLast Update : Sat Oct 28 02:49:53 2023
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4)	S 2-Bromonaphthalene (S...	7.485	8515169	46.691 ug/ml
	Spiked Amount 50.000		Recovery =	93.38%
6)	S 2-Flurobiphenyl (SURR)	8.338	4845314	41.173 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery =	82.35%
11)	S ortho-Terphenyl (SURR)	11.376	8723372	41.195 ug/ml
	Spiked Amount 50.000		Recovery =	82.39%
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.297	5473610	28.342 ug/mlm
2)	T Naphthalene (C11.7)	5.823	6503211	32.476 ug/ml
3)	T 2-Methylnaphthalene (...	6.872	6848125	34.073 ug/ml
5)	T Acenaphthylene (C15.06)	8.142	7412102	40.299 ug/ml
7)	T Acenaphthene (C15.5)	8.438	7393665	37.745 ug/ml
8)	T Flouorene (C16.55)	9.216	7632007	41.261 ug/ml
9)	T Phenanthrene (C19.36)	10.606	7706945	43.320 ug/ml
10)	T Anthracene (C19.43)	10.681	7596099	44.573 ug/ml
12)	T Fluoranthene (C21.85)	12.410	7983131	46.223 ug/ml
13)	T Pyrene (C20.8)	12.705	7976507	47.971 ug/ml
14)	T Benzo[a]anthracene (C...	14.567	7098538	50.454 ug/ml
15)	T Chrysene (C27.41)	14.611	7116653	45.632 ug/ml
16)	T benzo[b]fluoranthene ...	16.110	6900948	48.216 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.145	6794924	46.412 ug/ml
18)	T Benzo[a]pyrene (C31.34)	16.486	6401238	45.668 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	17.845	6403174	50.687 ug/ml
20)	T Dibenz[a,h]anthracene...	17.884	5948036	42.577 ug/ml
21)	T Benzo[g,h,i]perylene ...	18.098	6104954	43.724 ug/ml

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

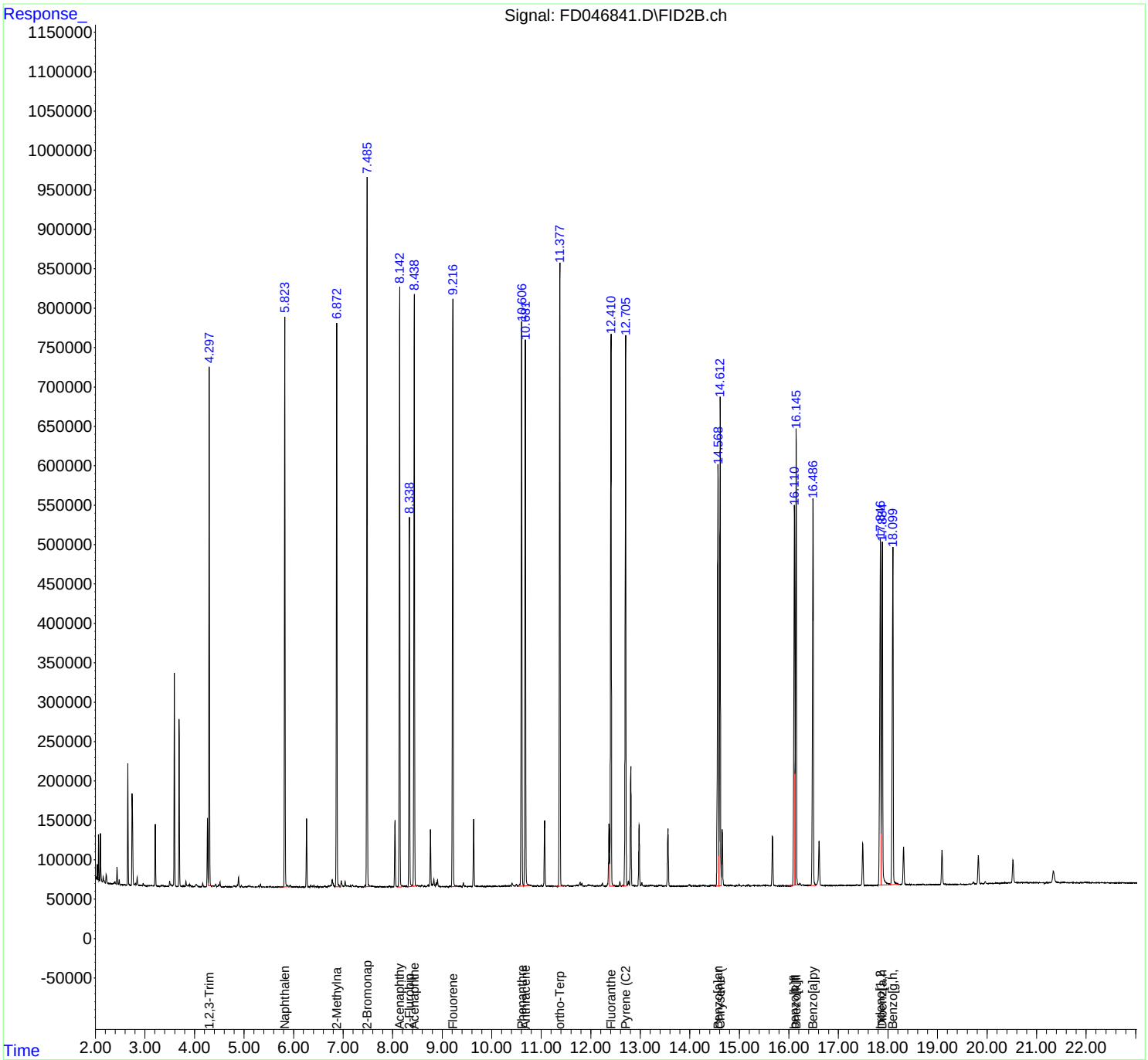
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD110723AR\
Data File : FD046841.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2023 18:46
Operator : YP/AJ
Sample : PB156949BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB156949BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/08/2023
Supervised By :Ankita Jodhani 11/08/2023

Integration File: autoint1.e
Quant Time: Nov 07 22:03:02 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102723.M
Quant Title : GC Extractables
QLast Update : Sat Oct 28 02:49:53 2023
Response via : Initial Calibration
Integrator: ChemStation

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



Instrument :
FID_D
ClientSampleId :
PB156949BSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/08/2023
Supervised By :Ankita Jodhani 11/08/2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD
Data File : FD046841.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2023 18:46
Sample : PB156949BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102723.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.297	4.279	4.344	PV	655883	5420026	62.13%	3.679%
2	5.823	5.737	5.912	BV	722060	6503211	74.55%	4.414%
3	6.872	6.837	6.949	VV	716112	6848125	78.50%	4.648%
4	7.485	7.457	7.560	VV	901228	8515169	97.61%	5.780%
5	8.142	8.094	8.183	VV	761252	7412102	84.97%	5.031%
6	8.338	8.304	8.385	PV	470219	4845314	55.54%	3.289%
7	8.438	8.409	8.482	VV	756296	7393665	84.76%	5.019%
8	9.216	9.185	9.315	PB	748091	7632007	87.49%	5.180%
9	10.606	10.524	10.647	PV	715186	7706945	88.35%	5.231%
10	10.681	10.647	10.775	VV	691682	7596099	87.08%	5.156%
11	11.376	11.239	11.437	PV	791852	8723372	100.00%	5.921%
12	12.410	12.383	12.480	VB	704163	7983131	91.51%	5.419%
13	12.705	12.622	12.738	PV	701828	7976507	91.44%	5.414%
14	14.567	14.519	14.587	PV	532899	7098538	81.37%	4.818%
15	14.611	14.587	14.632	VV	621555	7116653	81.58%	4.831%
16	16.110	16.014	16.125	BV	481867	6900948	79.11%	4.684%
17	16.145	16.125	16.202	VV	580982	6794924	77.89%	4.612%
18	16.486	16.400	16.550	BV	488009	6401238	73.38%	4.345%
19	17.845	17.800	17.860	BV	439649	6403174	73.40%	4.346%
20	17.884	17.860	18.049	VV	435861	5948036	68.19%	4.037%
21	18.098	18.049	18.220	VBA	429464	6104954	69.98%	4.144%

Sum of corrected areas: 147324137

Aromatic EPH 102723.M Tue Nov 07 23:34:53 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110723AL\
Data File : FC065043.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2023 23:47
Operator : YP/AJ
Sample : 05251-01MS
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
T-1MS

Integration File: autoint1.e
Quant Time: Nov 08 04:01:52 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102823.M
Quant Title : GC Extractables
QLast Update : Sat Oct 28 02:12:00 2023
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			
12) S	1-chlorooctadecane (S...	12.946	5398709	34.151 ug/ml
Spiked Amount	50.000		Recovery =	68.30%
	Target Compounds			
1) T	n-Nonane (C9)	3.310	3511727	18.574 ug/ml
2) T	n-Decane (C10)	4.371	4491543	23.622 ug/ml
4) T	n-Dodecane (C12)	6.382	5493693	28.439 ug/ml
6) T	n-Tetradecane (C14)	8.170	5923177	31.391 ug/ml
7) T	n-Hexadecane (C16)	9.765	6327432	33.474 ug/ml
8) T	n-Octadecane (C18)	11.201	6688196	35.438 ug/ml
10) T	n-Eicosane (C20)	12.504	6733121	37.452 ug/ml
11) T	n-Heneicosane (C21)	13.114	6421567	36.576 ug/ml
13) T	n-Docosane (C22)	13.699	6343686	36.931 ug/ml
14) T	n-Tetracosane (C24)	14.795	6117030	36.726 ug/ml
15) T	n-Hexacosane (C26)	15.813	5923901	36.907 ug/ml
16) T	n-Octacosane (C28)	16.758	5723051	36.569 ug/ml
17) T	n-Tricontane (C30)	17.641	5657021	35.715 ug/ml
18) T	n-Dotriacontane (C32)	18.471	5558038	35.201 ug/ml
19) T	n-Tetratriacontane (C34)	19.251	5438487	35.630 ug/ml
20) T	n-Hexatriacontane (C36)	19.988	5164081	34.226 ug/ml
21) T	n-Octatriacontane (C38)	20.708	5088041	34.190 ug/ml
22) T	n-Tetracontane (C40)	21.588	4981260	33.868 ug/ml

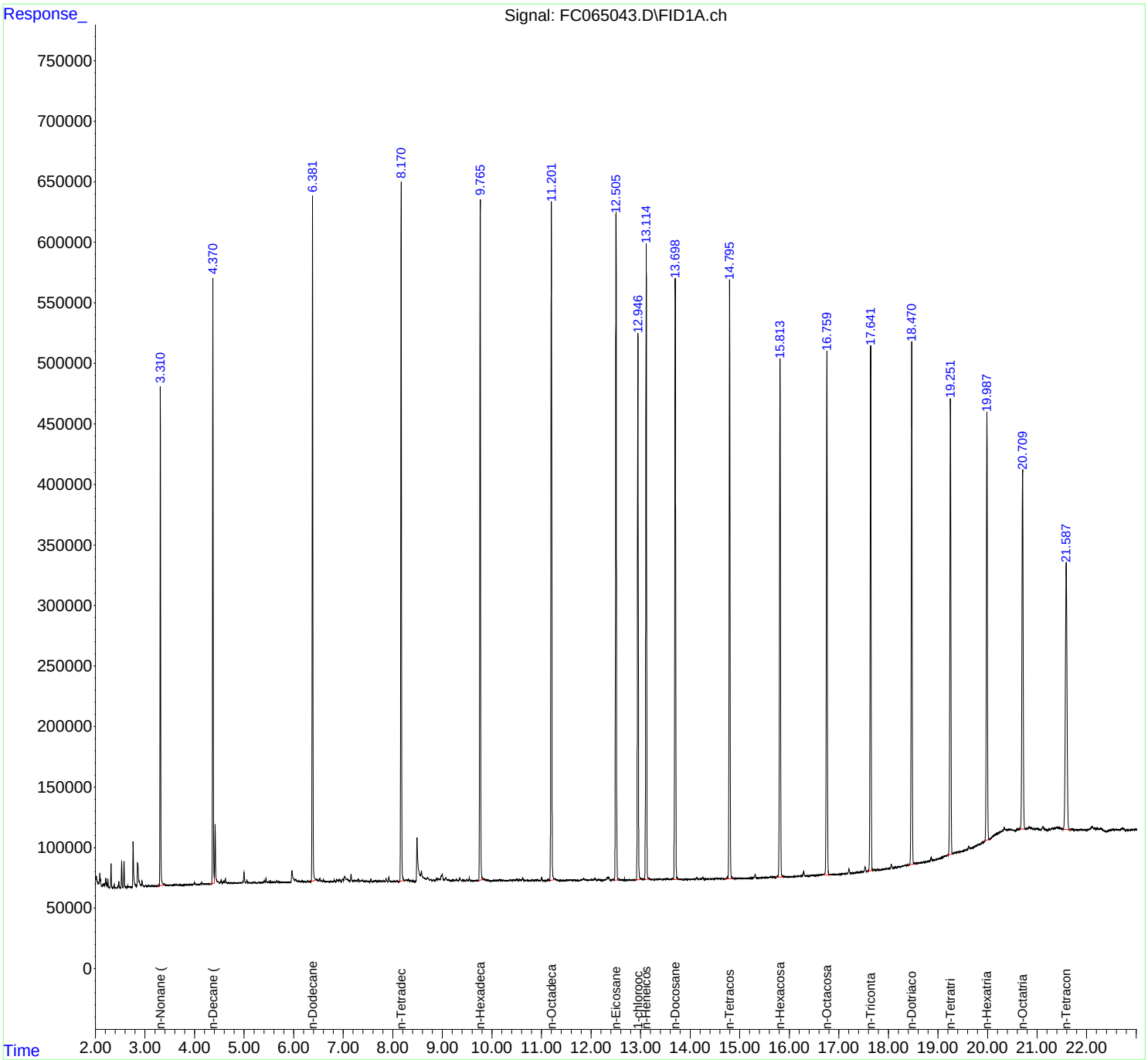
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110723AL\
Data File : FC065043.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2023 23:47
Operator : YP/AJ
Sample : 05251-01MS
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
T-1MS

Integration File: autoint1.e
Quant Time: Nov 08 04:01:52 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102823.M
Quant Title : GC Extractables
QLast Update : Sat Oct 28 02:12:00 2023
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\FC110723AL\
Data File : FC065043.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2023 23:47
Sample : 05251-01MS
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102823.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	3.310	3.250	3.391	BB	412026	3511727	52.16%	3.216%
2	4.371	4.327	4.398	BV	500284	4491543	66.71%	4.113%
3	4.416	4.398	4.472	VB	48278	504636	7.49%	0.462%
4	4.623	4.607	4.643	VB	3483	31388	0.47%	0.029%
5	5.000	4.898	5.030	BB	8686	110647	1.64%	0.101%
6	5.443	5.426	5.464	BB	3460	31325	0.47%	0.029%
7	5.966	5.930	6.023	BV	8954	149614	2.22%	0.137%
8	6.382	6.337	6.449	BV	564354	5493693	81.59%	5.031%
9	7.031	7.011	7.068	VB	3199	57839	0.86%	0.053%
10	7.159	7.122	7.194	BB	5863	62934	0.93%	0.058%
11	7.921	7.896	7.947	BB	3803	41976	0.62%	0.038%
12	8.170	8.118	8.239	BV	577342	5923177	87.97%	5.424%
13	8.491	8.455	8.564	BV	35309	637479	9.47%	0.584%
14	8.579	8.564	8.612	VB	6047	83517	1.24%	0.076%
15	8.999	8.957	9.037	BV	4777	106197	1.58%	0.097%
16	9.765	9.725	9.827	BB	561783	6327432	93.97%	5.794%
17	11.201	11.162	11.273	BB	560331	6688196	99.33%	6.125%
18	12.504	12.469	12.569	BB	550734	6733121	100.00%	6.166%
19	12.946	12.892	13.026	BB	451880	5398709	80.18%	4.944%
20	13.114	13.077	13.180	BB	524803	6421567	95.37%	5.880%
21	13.699	13.662	13.767	PB	496842	6343686	94.22%	5.809%
22	14.795	14.717	14.876	BB	493252	6117030	90.85%	5.602%
23	15.813	15.737	15.882	BB	427787	5923901	87.98%	5.425%
24	16.290	16.249	16.324	BB	3945	50171	0.75%	0.046%
25	16.758	16.677	16.820	BB	431623	5723051	85.00%	5.241%
26	17.204	17.161	17.236	BB	3611	48370	0.72%	0.044%
27	17.530	17.448	17.562	BB	4116	64802	0.96%	0.059%
28	17.641	17.574	17.691	BV	434668	5657021	84.02%	5.180%
29	18.059	18.018	18.086	BB	3526	45137	0.67%	0.041%
30	18.471	18.408	18.520	BB	431103	5558038	82.55%	5.090%
31	19.251	19.182	19.301	BB	375876	5438487	80.77%	4.980%

rteres

32	19.988	19.951	20.025	BB	349767	5164081	76.70%	4.729%
33	20.339	20.047	20.368	BB	2550	193185	2.87%	0.177%
34	20.708	20.651	20.755	BB	296144	5088041	75.57%	4.659%
35	21.588	21.531	21.683	BB	220631	4981260	73.98%	4.561%

Sum of corrected areas: 109202977

Aliphatic EPH 102823.M Wed Nov 08 04:13:23 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD110723AR\
Data File : FD046844.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2023 20:40
Operator : YP/AJ
Sample : 05251-01MS
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
T-1MS

Integration File: autoint1.e
Quant Time: Nov 07 22:03:29 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102723.M
Quant Title : GC Extractables
QLast Update : Sat Oct 28 02:49:53 2023
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4)	S 2-Bromonaphthalene (S...	7.485	7914024	43.394 ug/ml
	Spiked Amount 50.000		Recovery =	86.79%
6)	S 2-Flurobiphenyl (SURR)	8.337	4379981	37.219 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery =	74.44%
11)	S ortho-Terphenyl (SURR)	11.375	6494033	30.668 ug/ml
	Spiked Amount 50.000		Recovery =	61.34%
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.296	4574927	23.689 ug/ml
2)	T Naphthalene (C11.7)	5.823	5563232	27.782 ug/ml
3)	T 2-Methylnaphthalene (...	6.872	5918259	29.446 ug/ml
5)	T Acenaphthylene (C15.06)	8.141	6373798	34.654 ug/ml
7)	T Acenaphthene (C15.5)	8.437	6462645	32.992 ug/ml
8)	T Flouorene (C16.55)	9.216	6758478	36.539 ug/ml
9)	T Phenanthrene (C19.36)	10.605	7158199	40.236 ug/ml
10)	T Anthracene (C19.43)	10.679	6725924	39.467 ug/ml
12)	T Fluoranthene (C21.85)	12.408	7521586	43.551 ug/ml
13)	T Pyrene (C20.8)	12.703	7441170	44.752 ug/ml
14)	T Benzo[a]anthracene (C...	14.567	6536745	46.461 ug/ml
15)	T Chrysene (C27.41)	14.610	6618225	42.437 ug/ml
16)	T benzo[b]fluoranthene ...	16.110	6414514	44.817 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.144	6178560	42.202 ug/ml
18)	T Benzo[a]pyrene (C31.34)	16.485	5898477	42.082 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	17.844	6063278	47.996 ug/ml
20)	T Dibenz[a,h]anthracene...	17.884	5453673	39.038 ug/ml
21)	T Benzo[g,h,i]perylene ...	18.097	5582082	39.979 ug/ml

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

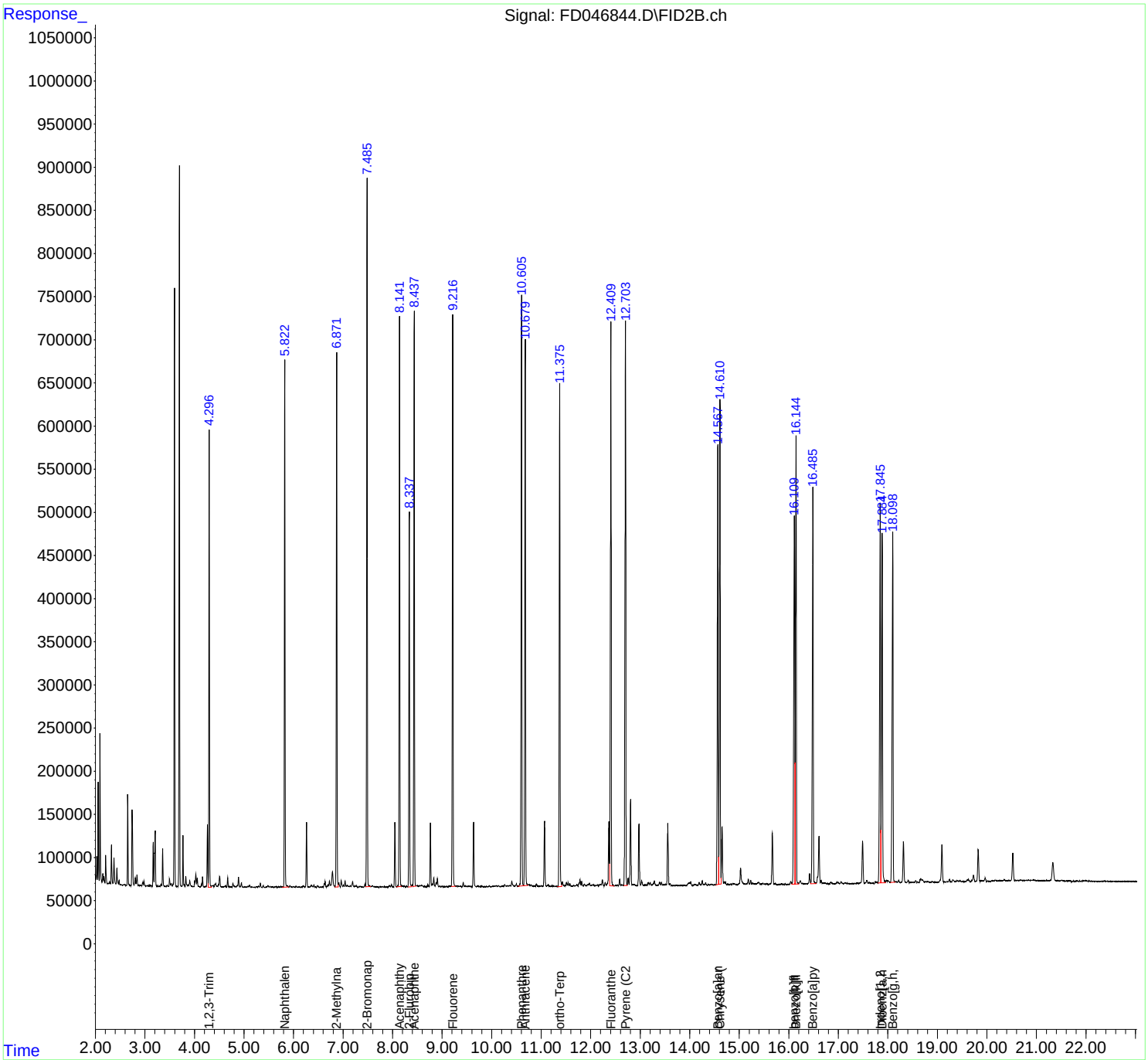
Sample Results: **FD046844.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD110723AR\
Data File : FD046844.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2023 20:40
Operator : YP/AJ
Sample : 05251-01MS
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
T-1MS

Integration File: autoint1.e
Quant Time: Nov 07 22:03:29 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102723.M
Quant Title : GC Extractables
QLast Update : Sat Oct 28 02:49:53 2023
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD110723AR\
Data File : FD046844.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2023 20:40
Sample : 05251-01MS
Misc :
ALS Vial : 66 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102723.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.262	4.252	4.278	PH	72425	621742	7.86%	0.419%
2	4.296	4.278	4.340	VV	529535	4574927	57.81%	3.085%
3	4.429	4.393	4.446	VV	3963	79302	1.00%	0.053%
4	4.508	4.470	4.558	VV	12501	198471	2.51%	0.134%
5	4.671	4.650	4.693	PV	10891	97897	1.24%	0.066%
6	4.776	4.747	4.838	BV	4465	71225	0.90%	0.048%
7	4.889	4.871	4.925	VV	11558	128921	1.63%	0.087%
8	4.948	4.925	4.987	VB	5121	59138	0.75%	0.040%
9	5.113	5.098	5.155	VV	2714	33404	0.42%	0.023%
10	5.331	5.308	5.358	VV	4805	51405	0.65%	0.035%
11	5.388	5.358	5.430	PV	2481	26525	0.34%	0.018%
12	5.823	5.768	5.910	BV	609034	5563232	70.30%	3.751%
13	6.263	6.235	6.293	BV	75368	736847	9.31%	0.497%
14	6.363	6.327	6.397	BV	2224	44710	0.56%	0.030%
15	6.412	6.397	6.432	VV	2513	24606	0.31%	0.017%
16	6.639	6.538	6.665	BV	6619	109464	1.38%	0.074%
17	6.699	6.665	6.712	VV	2913	46812	0.59%	0.032%
18	6.726	6.712	6.745	VV	7123	84644	1.07%	0.057%
19	6.786	6.745	6.835	VV	17744	326977	4.13%	0.220%
20	6.872	6.835	6.903	VV	621214	5918259	74.78%	3.990%
21	6.915	6.903	6.945	VV	4743	58421	0.74%	0.039%
22	6.964	6.945	6.995	PV	7127	84561	1.07%	0.057%
23	7.042	7.023	7.060	PV	6185	57996	0.73%	0.039%
24	7.194	7.161	7.223	PV	5992	79877	1.01%	0.054%
25	7.441	7.383	7.457	BV	3073	24564	0.31%	0.017%
26	7.485	7.457	7.558	VB	823428	7914024	100.00%	5.336%
27	8.048	8.010	8.075	PV	74998	763172	9.64%	0.515%
28	8.141	8.075	8.182	PV	659941	6373798	80.54%	4.298%
29	8.337	8.308	8.378	PV	435788	4379981	55.34%	2.953%
30	8.437	8.408	8.482	VV	666269	6462645	81.66%	4.357%
31	8.765	8.738	8.790	VV	74123	736824	9.31%	0.497%

rteres

32	8.805	8.790	8.815	VV	3470	38368	0.48%	0.026%
33	8.833	8.815	8.858	VV	10375	123375	1.56%	0.083%
34	8.881	8.858	8.891	VV	4856	58784	0.74%	0.040%
35	8.906	8.891	8.935	VV	9772	105946	1.34%	0.071%
36	9.216	9.183	9.272	VV	662137	6758478	85.40%	4.557%
37	9.428	9.392	9.451	PV	4815	53784	0.68%	0.036%
38	9.636	9.587	9.691	BV	75020	826854	10.45%	0.558%
39	10.264	10.167	10.292	PV	2367	59364	0.75%	0.040%
40	10.409	10.340	10.444	VV	5956	117545	1.49%	0.079%
41	10.499	10.470	10.523	VV	2534	38632	0.49%	0.026%
42	10.605	10.523	10.647	PV	687176	7158199	90.45%	4.826%
43	10.679	10.647	10.740	VV	636221	6725924	84.99%	4.535%
44	10.902	10.845	10.941	BV	2662	48866	0.62%	0.033%
45	11.069	11.027	11.103	BV	75518	849876	10.74%	0.573%
46	11.375	11.325	11.416	BV	584861	6494033	82.06%	4.379%
47	11.431	11.416	11.477	VV	5585	89204	1.13%	0.060%
48	11.511	11.477	11.528	VV	4766	71170	0.90%	0.048%
49	11.545	11.528	11.563	VV	4190	51144	0.65%	0.034%
50	11.579	11.563	11.623	VB	3405	42713	0.54%	0.029%
51	11.785	11.744	11.803	VV	7548	124611	1.57%	0.084%
52	11.819	11.803	11.842	VV	5428	64181	0.81%	0.043%
53	11.873	11.842	11.910	PV	2235	34222	0.43%	0.023%
54	11.975	11.960	12.027	VB	3149	40459	0.51%	0.027%
55	12.236	12.161	12.272	PV	6968	126130	1.59%	0.085%
56	12.293	12.272	12.314	VV	3767	48355	0.61%	0.033%
57	12.368	12.314	12.382	VV	74142	893571	11.29%	0.602%
58	12.408	12.382	12.475	VV	653743	7521586	95.04%	5.071%
59	12.586	12.558	12.611	PV	7691	89072	1.13%	0.060%
60	12.703	12.663	12.737	PV	658190	7441170	94.03%	5.017%
61	12.756	12.737	12.777	VV	8367	98991	1.25%	0.067%
62	12.806	12.777	12.837	VV	99698	1159985	14.66%	0.782%
63	12.975	12.940	13.009	BV	71824	862249	10.90%	0.581%
64	13.030	13.009	13.075	VV	5764	89283	1.13%	0.060%
65	13.161	13.138	13.183	BV	3182	49663	0.63%	0.033%
66	13.200	13.183	13.228	VV	3165	44509	0.56%	0.030%
67	13.286	13.228	13.325	VV	5411	108910	1.38%	0.073%
68	13.392	13.325	13.414	PV	3920	60629	0.77%	0.041%
69	13.431	13.414	13.455	VV	3287	36385	0.46%	0.025%
70	13.558	13.527	13.585	PV	71530	841253	10.63%	0.567%
71	13.988	13.837	14.003	BV	3234	88234	1.11%	0.059%
72	14.017	14.003	14.058	VV	4102	58256	0.74%	0.039%
73	14.190	14.150	14.228	BV	3243	55119	0.70%	0.037%
74	14.252	14.228	14.273	VV	5263	66672	0.84%	0.045%
75	14.320	14.273	14.348	VV	2988	56595	0.72%	0.038%
76	14.567	14.525	14.586	BV	509908	6536745	82.60%	4.407%
77	14.610	14.586	14.632	VV	563179	6618225	83.63%	4.462%
78	14.652	14.632	14.680	VV	65517	796515	10.06%	0.537%
79	15.026	14.935	15.120	BB	18742	332592	4.20%	0.224%

rteres

80	15.181	15.142	15.207	BV	6012	83629	1.06%	0.056%
81	15.230	15.207	15.252	PV	4694	54481	0.69%	0.037%
82	15.667	15.587	15.698	PV	59338	777064	9.82%	0.524%
83	16.039	15.882	16.061	PV	2957	68928	0.87%	0.046%
84	16.110	16.061	16.125	VV	427508	6414514	81.05%	4.325%
85	16.144	16.125	16.198	VV	514974	6178560	78.07%	4.166%
86	16.230	16.198	16.257	VV	3511	62800	0.79%	0.042%
87	16.418	16.373	16.441	PV	11764	152346	1.93%	0.103%
88	16.485	16.441	16.550	VV	461010	5898477	74.53%	3.977%
89	16.607	16.550	16.635	VV	54694	814601	10.29%	0.549%
90	16.652	16.635	16.675	VV	3343	40481	0.51%	0.027%
91	16.977	16.932	17.032	BV	2240	54381	0.69%	0.037%
92	17.056	17.032	17.083	VV	2022	31737	0.40%	0.021%
93	17.488	17.402	17.525	BV	48674	715746	9.04%	0.483%
94	17.575	17.525	17.602	PV	3425	51670	0.65%	0.035%
95	17.746	17.719	17.764	PV	1939	22741	0.29%	0.015%
96	17.844	17.800	17.860	BV	435446	6063278	76.61%	4.088%
97	17.884	17.860	17.949	VV	404084	5453673	68.91%	3.677%
98	18.097	18.048	18.155	PV	404421	5582082	70.53%	3.764%

Sum of corrected areas: 148311981

Aromatic EPH 102723.M Tue Nov 07 23:31:45 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110723AL\
Data File : FC065044.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2023 00:24
Operator : YP/AJ
Sample : 05251-01MSD
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
T-1MSD

Integration File: autoint1.e
Quant Time: Nov 08 04:02:03 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102823.M
Quant Title : GC Extractables
QLast Update : Sat Oct 28 02:12:00 2023
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			
12) S	1-chlorooctadecane (S...	12.946	5530563	34.985 ug/ml
Spiked Amount	50.000		Recovery =	69.97%
	Target Compounds			
1) T	n-Nonane (C9)	3.309	3644313	19.275 ug/ml
2) T	n-Decane (C10)	4.370	4664068	24.529 ug/ml
4) T	n-Dodecane (C12)	6.381	5696683	29.490 ug/ml
6) T	n-Tetradecane (C14)	8.170	6136053	32.519 ug/ml
7) T	n-Hexadecane (C16)	9.765	6526034	34.525 ug/ml
8) T	n-Octadecane (C18)	11.201	6873800	36.422 ug/ml
10) T	n-Eicosane (C20)	12.505	6915183	38.465 ug/ml
11) T	n-Heneicosane (C21)	13.114	6588513	37.527 ug/ml
13) T	n-Docosane (C22)	13.696	6501328	37.849 ug/ml
14) T	n-Tetracosane (C24)	14.795	6278417	37.695 ug/ml
15) T	n-Hexacosane (C26)	15.812	6076214	37.856 ug/ml
16) T	n-Octacosane (C28)	16.758	5879516	37.568 ug/ml
17) T	n-Tricontane (C30)	17.641	5828235	36.796 ug/ml
18) T	n-Dotriacontane (C32)	18.469	5721466	36.236 ug/ml
19) T	n-Tetratriacontane (C34)	19.250	5608543	36.744 ug/ml
20) T	n-Hexatriacontane (C36)	19.988	5324110	35.287 ug/ml
21) T	n-Octatriacontane (C38)	20.710	5230081	35.145 ug/ml
22) T	n-Tetracontane (C40)	21.590	5136311	34.922 ug/ml

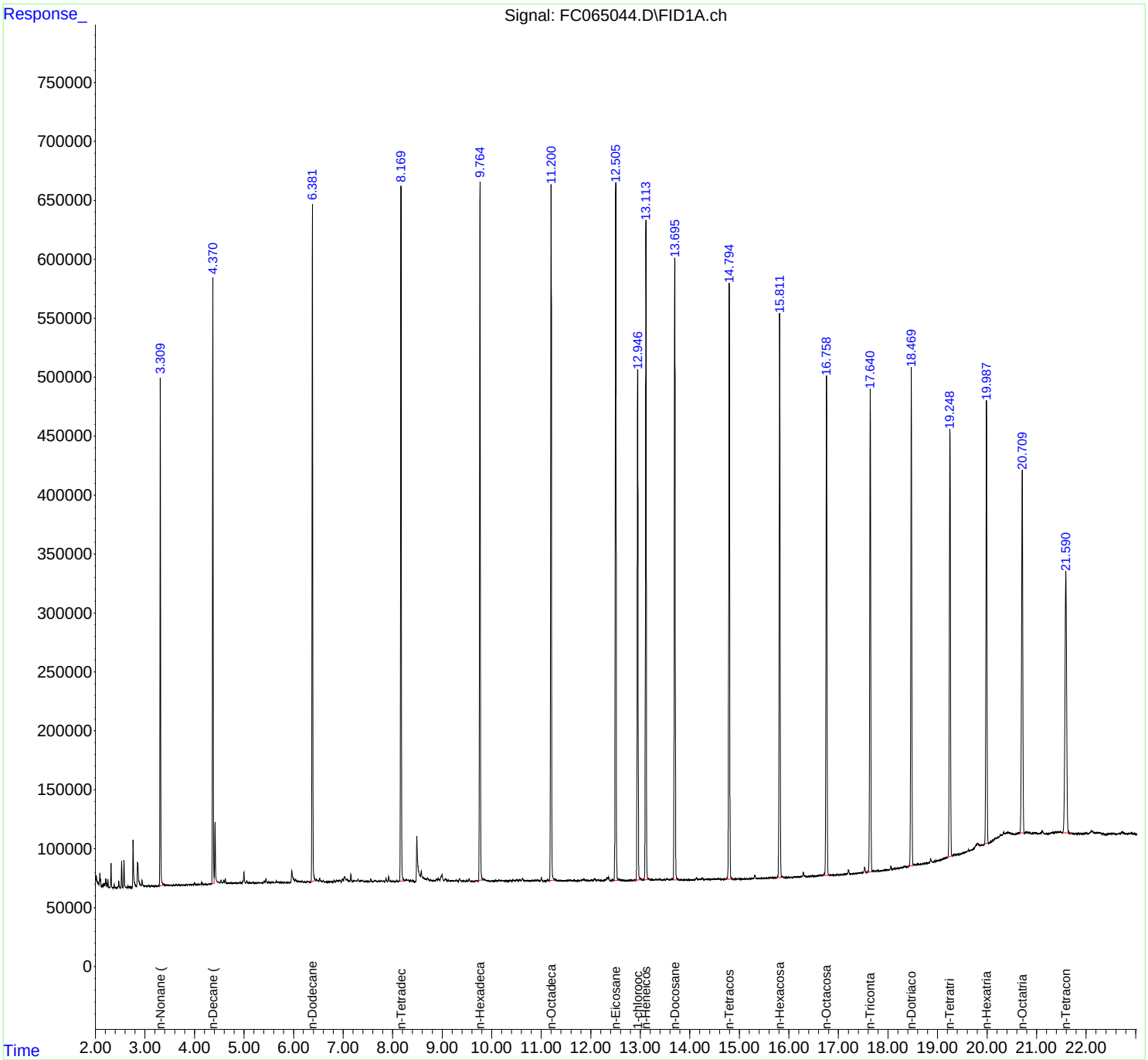
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110723AL\
Data File : FC065044.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2023 00:24
Operator : YP/AJ
Sample : 05251-01MSD
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
T-1MSD

Integration File: autoint1.e
Quant Time: Nov 08 04:02:03 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102823.M
Quant Title : GC Extractables
QLast Update : Sat Oct 28 02:12:00 2023
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\FC110723AL\
Data File : FC065044.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2023 00:24
Sample : 05251-01MSD
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102823.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	3.309	3.251	3.393	BB	430157	3644313	52.70%	3.242%
2	4.370	4.329	4.398	BV	513813	4664068	67.45%	4.149%
3	4.415	4.398	4.473	VB	51465	525129	7.59%	0.467%
4	4.622	4.606	4.641	VB	3587	33216	0.48%	0.030%
5	4.998	4.951	5.028	BB	9165	108349	1.57%	0.096%
6	5.965	5.923	6.022	BV	9440	152771	2.21%	0.136%
7	6.381	6.336	6.448	BV	575392	5696683	82.38%	5.068%
8	7.030	7.010	7.063	VV	3156	56629	0.82%	0.050%
9	7.158	7.123	7.191	BB	5849	63795	0.92%	0.057%
10	7.921	7.896	7.946	BB	4047	45242	0.65%	0.040%
11	8.170	8.122	8.241	BV	590078	6136053	88.73%	5.458%
12	8.489	8.452	8.563	BV	37617	658959	9.53%	0.586%
13	8.579	8.563	8.616	VB	6313	88002	1.27%	0.078%
14	8.999	8.938	9.037	BV	5107	109041	1.58%	0.097%
15	9.765	9.657	9.823	BB	592744	6526034	94.37%	5.805%
16	11.201	11.156	11.272	BB	590066	6873800	99.40%	6.115%
17	12.505	12.465	12.576	BB	591790	6915183	100.00%	6.151%
18	12.946	12.897	13.026	BB	432842	5530563	79.98%	4.920%
19	13.114	13.075	13.186	BB	558490	6588513	95.28%	5.861%
20	13.696	13.657	13.770	PB	525467	6501328	94.02%	5.783%
21	14.795	14.724	14.876	BB	504606	6278417	90.79%	5.585%
22	15.812	15.740	15.876	BB	477363	6076214	87.87%	5.405%
23	16.291	16.250	16.318	BB	3706	48231	0.70%	0.043%
24	16.758	16.682	16.823	BB	423782	5879516	85.02%	5.230%
25	17.204	17.165	17.234	BB	3430	46023	0.67%	0.041%
26	17.530	17.481	17.561	BB	4340	58319	0.84%	0.052%
27	17.641	17.568	17.688	BV	408747	5828235	84.28%	5.185%
28	18.469	18.408	18.511	BB	421526	5721466	82.74%	5.090%
29	19.250	19.185	19.303	BB	360802	5608543	81.10%	4.989%
30	19.621	19.485	19.646	BB	1528	20507	0.30%	0.018%
31	19.815	19.693	19.868	BB	2815	141753	2.05%	0.126%

rteres

32	19.988	19.950	20.026	BV	374444	5324110	76.99%	4.736%
33	20.337	20.026	20.365	PV	1960	100066	1.45%	0.089%
34	20.710	20.650	20.764	BV	306207	5230081	75.63%	4.652%
35	21.590	21.530	21.690	BV	222035	5136311	74.28%	4.569%

Sum of corrected areas: 112415465

Aliphatic EPH 102823.M Wed Nov 08 04:13:34 2023

Quantitation Report (QT Reviewed)

Sample Results: **FD046845.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD110723AR\
Data File : FD046845.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2023 21:17
Operator : YP/AJ
Sample : 05251-01MSD
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
T-1MSD

Integration File: autoint1.e
Quant Time: Nov 07 23:29:01 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102723.M
Quant Title : GC Extractables
QLast Update : Sat Oct 28 02:49:53 2023
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4) S	2-Bromonaphthalene (S...	7.485	8016129	43.954 ug/ml
Spiked Amount	50.000		Recovery =	87.91%
6) S	2-Flurobiphenyl (SURR)	8.338	4434265	37.680 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	75.36%
11) S	ortho-Terphenyl (SURR)	11.375	6549637	30.930 ug/ml
Spiked Amount	50.000		Recovery =	61.86%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.297	4626239	23.955 ug/ml
2) T	Naphthalene (C11.7)	5.823	5579266	27.862 ug/ml
3) T	2-Methylnaphthalene (...	6.871	6002188	29.864 ug/ml
5) T	Acenaphthylene (C15.06)	8.142	6442771	35.029 ug/ml
7) T	Acenaphthene (C15.5)	8.438	6552469	33.450 ug/ml
8) T	Flouorene (C16.55)	9.216	6844471	37.004 ug/ml
9) T	Phenanthrene (C19.36)	10.605	7234910	40.667 ug/ml
10) T	Anthracene (C19.43)	10.680	6799881	39.901 ug/ml
12) T	Fluoranthene (C21.85)	12.409	7583555	43.909 ug/ml
13) T	Pyrene (C20.8)	12.703	7505473	45.138 ug/ml
14) T	Benzo[a]anthracene (C...	14.567	6637990	47.181 ug/ml
15) T	Chrysene (C27.41)	14.611	6702793	42.979 ug/ml
16) T	benzo[b]fluoranthene ...	16.109	6504419	45.446 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.144	6220002	42.485 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.484	5969234	42.586 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.844	6192588	49.020 ug/ml
20) T	Dibenz[a,h]anthracene...	17.884	5663160	40.537 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.097	5644819	40.428 ug/ml

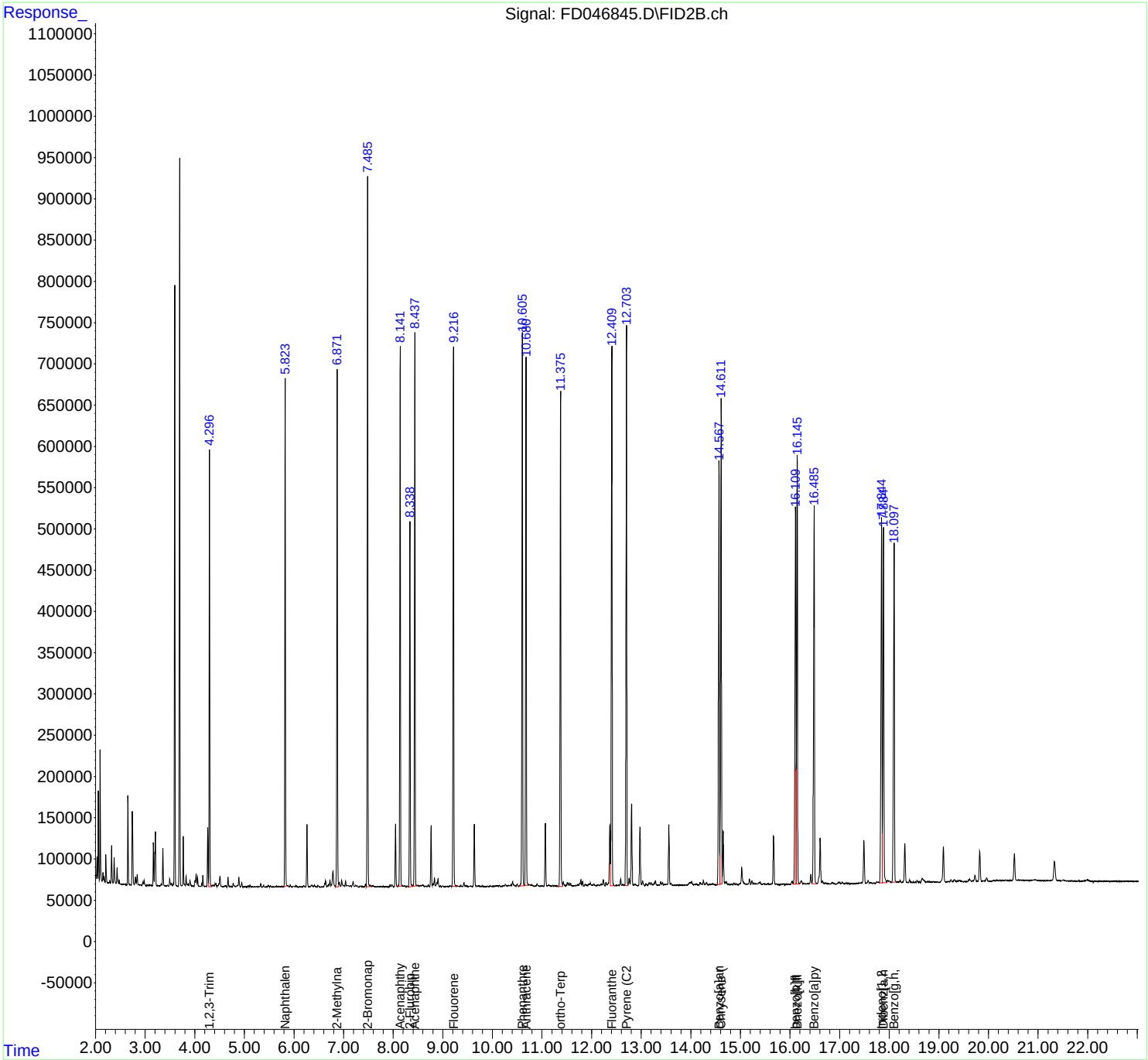
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD110723AR\
Data File : FD046845.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2023 21:17
Operator : YP/AJ
Sample : 05251-01MSD
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
T-1MSD

Integration File: autoint1.e
Quant Time: Nov 07 23:29:01 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102723.M
Quant Title : GC Extractables
QLast Update : Sat Oct 28 02:49:53 2023
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD110723AR\
Data File : FD046845.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2023 21:17
Sample : 05251-01MSD
Misc :
ALS Vial : 67 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102723.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.262	4.252	4.279	PH	71646	624240	7.79%	0.415%
2	4.297	4.279	4.342	VV	529125	4626239	57.71%	3.078%
3	4.412	4.394	4.446	VV	3797	76408	0.95%	0.051%
4	4.508	4.468	4.560	VB	12526	198666	2.48%	0.132%
5	4.671	4.652	4.692	PV	11513	102665	1.28%	0.068%
6	4.775	4.745	4.824	BB	4650	56979	0.71%	0.038%
7	4.889	4.829	4.924	BV	11660	146514	1.83%	0.097%
8	4.947	4.924	4.979	PB	5223	57524	0.72%	0.038%
9	5.113	5.097	5.135	PV	2496	24521	0.31%	0.016%
10	5.331	5.314	5.351	BV	4232	37651	0.47%	0.025%
11	5.388	5.351	5.408	PB	2352	24643	0.31%	0.016%
12	5.823	5.782	5.863	BV	613651	5579266	69.60%	3.712%
13	6.263	6.235	6.292	PV	75907	749507	9.35%	0.499%
14	6.412	6.399	6.431	VV	2625	24384	0.30%	0.016%
15	6.639	6.535	6.663	BV	7471	130322	1.63%	0.087%
16	6.700	6.663	6.710	VV	3209	49165	0.61%	0.033%
17	6.726	6.710	6.745	VV	8114	95588	1.19%	0.064%
18	6.786	6.745	6.835	VV	18759	346902	4.33%	0.231%
19	6.871	6.835	6.903	VV	629823	6002188	74.88%	3.994%
20	6.915	6.903	6.943	VV	5145	64841	0.81%	0.043%
21	6.963	6.943	6.995	VV	7454	95845	1.20%	0.064%
22	7.041	7.022	7.060	VV	6951	74926	0.93%	0.050%
23	7.193	7.161	7.229	PV	6005	80877	1.01%	0.054%
24	7.442	7.399	7.457	BV	3222	34369	0.43%	0.023%
25	7.485	7.457	7.567	VB	862985	8016129	100.00%	5.334%
26	8.048	8.010	8.089	PV	76122	782208	9.76%	0.520%
27	8.142	8.089	8.182	PV	656368	6442771	80.37%	4.287%
28	8.338	8.302	8.382	PV	441864	4434265	55.32%	2.950%
29	8.438	8.382	8.477	VB	671230	6552469	81.74%	4.360%
30	8.765	8.737	8.790	PV	73981	738628	9.21%	0.491%
31	8.805	8.790	8.815	VV	3455	36264	0.45%	0.024%

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32	8.833	8.815	8.856	VV	10712	119252	1.49%	0.079%
33	8.881	8.856	8.891	VV	5096	61429	0.77%	0.041%
34	8.906	8.891	8.937	VV	9877	109857	1.37%	0.073%
35	9.216	9.184	9.274	PV	651692	6844471	85.38%	4.554%
36	9.427	9.388	9.452	PV	4869	57038	0.71%	0.038%
37	9.636	9.569	9.689	BV	75393	828836	10.34%	0.551%
38	10.264	10.172	10.289	BV	2335	50609	0.63%	0.034%
39	10.409	10.345	10.445	BV	5772	97026	1.21%	0.065%
40	10.500	10.474	10.522	VV	2658	36408	0.45%	0.024%
41	10.605	10.522	10.647	PV	673472	7234910	90.25%	4.814%
42	10.680	10.647	10.740	VV	643738	6799881	84.83%	4.525%
43	10.902	10.845	10.970	BB	2824	45161	0.56%	0.030%
44	11.069	11.024	11.100	PV	76512	860129	10.73%	0.572%
45	11.375	11.322	11.415	BV	603085	6549637	81.71%	4.358%
46	11.431	11.415	11.477	VV	5343	86834	1.08%	0.058%
47	11.511	11.477	11.529	VV	4551	72468	0.90%	0.048%
48	11.546	11.529	11.562	VV	4265	52387	0.65%	0.035%
49	11.579	11.562	11.615	VV	3622	48245	0.60%	0.032%
50	11.785	11.744	11.803	VV	7861	140824	1.76%	0.094%
51	11.819	11.803	11.845	VV	5695	70486	0.88%	0.047%
52	11.872	11.845	11.910	VV	2546	48322	0.60%	0.032%
53	11.976	11.962	12.029	VV	3569	66946	0.84%	0.045%
54	12.237	12.167	12.270	VV	7192	148287	1.85%	0.099%
55	12.293	12.270	12.314	VV	3892	55273	0.69%	0.037%
56	12.369	12.314	12.382	VV	73823	908969	11.34%	0.605%
57	12.409	12.382	12.472	VV	652826	7583555	94.60%	5.046%
58	12.586	12.557	12.610	PV	7459	89316	1.11%	0.059%
59	12.703	12.664	12.734	VV	681675	7505473	93.63%	4.994%
60	12.756	12.734	12.776	VV	8450	107175	1.34%	0.071%
61	12.807	12.776	12.837	VV	98277	1182238	14.75%	0.787%
62	12.976	12.942	13.010	BV	70590	870718	10.86%	0.579%
63	13.030	13.010	13.074	VV	5922	89435	1.12%	0.060%
64	13.161	13.124	13.183	BV	2890	43858	0.55%	0.029%
65	13.199	13.183	13.227	VV	2686	37832	0.47%	0.025%
66	13.286	13.227	13.337	VV	5349	104973	1.31%	0.070%
67	13.393	13.369	13.414	PV	4020	49480	0.62%	0.033%
68	13.430	13.414	13.455	VV	3301	36411	0.45%	0.024%
69	13.557	13.529	13.585	PV	72373	850194	10.61%	0.566%
70	13.989	13.812	14.002	BV	3483	83522	1.04%	0.056%
71	14.017	14.002	14.062	VV	4622	69763	0.87%	0.046%
72	14.190	14.154	14.229	PV	3647	69133	0.86%	0.046%
73	14.252	14.229	14.277	VV	5578	77915	0.97%	0.052%
74	14.320	14.277	14.353	VV	3096	63138	0.79%	0.042%
75	14.567	14.525	14.586	PV	515018	6637990	82.81%	4.417%
76	14.611	14.586	14.632	VV	585700	6702793	83.62%	4.460%
77	14.652	14.632	14.680	VV	63446	804109	10.03%	0.535%
78	15.025	14.942	15.125	BB	20486	360811	4.50%	0.240%
79	15.182	15.140	15.206	BV	6377	85909	1.07%	0.057%

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80	15.230	15.206	15.253	PV	4333	54254	0.68%	0.036%
81	15.667	15.582	15.710	PV	58141	790521	9.86%	0.526%
82	16.038	15.997	16.059	BV	3469	57216	0.71%	0.038%
83	16.109	16.059	16.125	VV	457563	6504419	81.14%	4.328%
84	16.144	16.125	16.194	VV	517972	6220002	77.59%	4.139%
85	16.229	16.194	16.255	VV	3494	62966	0.79%	0.042%
86	16.418	16.377	16.441	PV	11482	156503	1.95%	0.104%
87	16.484	16.441	16.549	VV	455964	5969234	74.47%	3.972%
88	16.606	16.549	16.635	VV	54914	825078	10.29%	0.549%
89	16.652	16.635	16.704	VB	3326	48900	0.61%	0.033%
90	16.977	16.920	17.022	BV	2259	50698	0.63%	0.034%
91	17.488	17.269	17.524	VV	51883	769698	9.60%	0.512%
92	17.574	17.524	17.602	VV	3265	53121	0.66%	0.035%
93	17.746	17.717	17.765	PV	1734	20055	0.25%	0.013%
94	17.844	17.800	17.860	BV	443710	6192588	77.25%	4.120%
95	17.884	17.860	17.950	VV	429700	5663160	70.65%	3.768%
96	18.097	18.047	18.142	PV	411566	5644819	70.42%	3.756%

Sum of corrected areas: 150289623

Aromatic EPH 102723.M Tue Nov 07 23:31:57 2023

CHEMTECH

Manual Integration Report

Sequence:	FC102823AL	Instrument	FID_c

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

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

Manual Integration Report

Sequence:	FC110723AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
O5270-01MSD	FC065034.D	n-Tetracontane (C40)	yogesh	11/8/2023 8:29:05 AM	Ankita	11/8/2023 9:03:10	Peak Integrated by Software
O5270-02	FC065035.D	ortho-Terphenyl (SURR)	yogesh	11/8/2023 8:29:07 AM	Ankita	11/8/2023 9:03:12	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC065037.D	n-Tetratriacontane (C34)	yogesh	11/8/2023 8:29:09 AM	Ankita	11/8/2023 9:03:14	Peak Integrated by Software
PB156949BS	FC065039.D	n-Octatriacontane (C38)	yogesh	11/8/2023 8:29:10 AM	Ankita	11/8/2023 9:03:15	Peak Integrated by Software
PB156949BS	FC065039.D	n-Tetratriacontane (C34)	yogesh	11/8/2023 8:29:10 AM	Ankita	11/8/2023 9:03:15	Peak Integrated by Software
O5252-01	FC065055.D	1-chlorooctadecane (SURR)	yogesh	11/8/2023 8:29:12 AM	Ankita	11/8/2023 9:03:18	Peak Integrated by Software

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

Manual Integration Report

Sequence:	FC110823AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FC065060.D	n-Hexatriacontane (C36)	yogesh	11/9/2023 8:13:43 AM	Ankita	11/9/2023 9:15:08	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC065064.D	n-Hexatriacontane (C36)	yogesh	11/9/2023 8:13:44 AM	Ankita	11/9/2023 9:15:10	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC065071.D	n-Hexatriacontane (C36)	yogesh	11/9/2023 8:13:46 AM	Ankita	11/9/2023 9:15:13	Peak Integrated by Software

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

Manual Integration Report

Sequence:	FD102723AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
100 PPM AROMATIC HC	FD046794.D	Bnezo[k]fluoranthene (C30.14)	yogesh	10/30/2023 8:26:56 AM	mohammad	10/30/2023 3:43:19	Peak Integrated by Software
100 PPM AROMATIC HC	FD046794.D	Dibenz[a,h]anthracene (C30.36)	yogesh	10/30/2023 8:26:56 AM	mohammad	10/30/2023 3:43:19	Peak Integrated by Software

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

Manual Integration Report

Sequence:	FD110723AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB156949BS	FD046840.D	1,2,3-Trimethylbenzene (C10.1)	yogesh	11/8/2023 7:49:33 AM	Ankita	11/8/2023 9:06:06	Peak Integrated by Software
PB156949BSD	FD046841.D	1,2,3-Trimethylbenzene (C10.1)	yogesh	11/8/2023 7:49:35 AM	Ankita	11/8/2023 9:06:17	Peak Integrated by Software

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC102823AL

Review By	yogesh	Review On	10/27/2023 3:54:54 PM		
Supervise By	mohammad	Supervise On	10/30/2023 3:42:55 PM		
SubDirectory	FC102823AL	HP Acquire Method		HP Processing Method	FC102823AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP22595,PP22597,PP22598,PP22599,PP22600
CCC	PP22598
Internal Standard/PEM	
ICV/I.BLK	PP22596,PP22601
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC064935.D	27 Oct 2023 15:45	YP/AJ	Ok
2	I.BLK	FC064936.D	27 Oct 2023 16:25	YP/AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FC064937.D	27 Oct 2023 17:07	YP/AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FC064938.D	27 Oct 2023 17:49	YP/AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FC064939.D	27 Oct 2023 18:30	YP/AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FC064940.D	27 Oct 2023 19:12	YP/AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FC064941.D	27 Oct 2023 19:53	YP/AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FC064942.D	27 Oct 2023 20:35	YP/AJ	Ok
9	I.BLK	FC064943.D	27 Oct 2023 21:56	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC064944.D	27 Oct 2023 22:37	YP/AJ	Ok

M : Manual Integration

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC110723AL

Review By	yogesh	Review On	11/7/2023 1:15:57 PM		
Supervise By	Ankita	Supervise On	11/8/2023 9:03:27 AM		
SubDirectory	FC110723AL	HP Acquire Method		HP Processing Method	FC102823AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP22595,PP22597,PP22598,PP22599,PP22600
CCC	PP22598
Internal Standard/PEM	
ICV/I.BLK	PP22596,PP22601
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC065025.D	07 Nov 2023 10:23	YP/AJ	Ok
2	I.BLK	FC065026.D	07 Nov 2023 10:59	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC065027.D	07 Nov 2023 12:18	YP/AJ	Ok
4	PB156950BL	FC065028.D	07 Nov 2023 12:57	YP/AJ	Ok
5	PB156950BS	FC065029.D	07 Nov 2023 13:36	YP/AJ	Ok
6	PB156950BSD	FC065030.D	07 Nov 2023 14:15	YP/AJ	Ok
7	O5270-01	FC065031.D	07 Nov 2023 14:53	YP/AJ	Ok
8	O5270-01D	FC065032.D	07 Nov 2023 15:33	YP/AJ	Ok
9	O5270-01MS	FC065033.D	07 Nov 2023 16:12	YP/AJ	Ok
10	O5270-01MSD	FC065034.D	07 Nov 2023 16:51	YP/AJ	Ok,M
11	O5270-02	FC065035.D	07 Nov 2023 17:30	YP/AJ	Dilution
12	I.BLK	FC065036.D	07 Nov 2023 18:46	YP/AJ	Ok
13	20 PPM ALIPHATIC HC STD	FC065037.D	07 Nov 2023 19:24	YP/AJ	Ok,M
14	PB156949BL	FC065038.D	07 Nov 2023 20:40	YP/AJ	Ok
15	PB156949BS	FC065039.D	07 Nov 2023 21:17	YP/AJ	Ok,M
16	PB156949BSD	FC065040.D	07 Nov 2023 21:55	YP/AJ	Ok
17	O5251-01	FC065041.D	07 Nov 2023 22:32	YP/AJ	Ok
18	O5251-01D	FC065042.D	07 Nov 2023 23:09	YP/AJ	Ok
19	O5251-01MS	FC065043.D	07 Nov 2023 23:47	YP/AJ	Ok
20	O5251-01MSD	FC065044.D	08 Nov 2023 00:24	YP/AJ	Ok
21	O5251-02	FC065045.D	08 Nov 2023 01:01	YP/AJ	Ok
22	O5251-03	FC065046.D	08 Nov 2023 01:38	YP/AJ	Ok
23	O5251-04	FC065047.D	08 Nov 2023 02:15	YP/AJ	Ok

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC110723AL

Review By	yogesh	Review On	11/7/2023 1:15:57 PM		
Supervise By	Ankita	Supervise On	11/8/2023 9:03:27 AM		
SubDirectory	FC110723AL	HP Acquire Method		HP Processing Method	FC102823AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP22595,PP22597,PP22598,PP22599,PP22600
CCC	PP22598
Internal Standard/PEM	
ICV/I.BLK	PP22596,PP22601
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

24	O5251-05	FC065048.D	08 Nov 2023 02:53	YP/AJ	Ok
25	O5251-06	FC065049.D	08 Nov 2023 03:31	YP/AJ	Ok
26	O5251-07	FC065050.D	08 Nov 2023 04:09	YP/AJ	Ok
27	O5251-08	FC065051.D	08 Nov 2023 04:46	YP/AJ	Ok
28	O5251-09	FC065052.D	08 Nov 2023 05:23	YP/AJ	Ok
29	O5251-10	FC065053.D	08 Nov 2023 05:59	YP/AJ	Ok
30	O5251-11	FC065054.D	08 Nov 2023 06:37	YP/AJ	Ok
31	O5252-01	FC065055.D	08 Nov 2023 07:14	YP/AJ	Dilution
32	I.BLK	FC065056.D	08 Nov 2023 07:51	YP/AJ	Ok
33	20 PPM ALIPHATIC HC STD	FC065057.D	08 Nov 2023 08:29	YP/AJ	Ok

M : Manual Integration

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC110823AL

Review By	yogesh	Review On	11/8/2023 11:04:44 AM		
Supervise By	Ankita	Supervise On	11/9/2023 9:15:19 AM		
SubDirectory	FC110823AL	HP Acquire Method		HP Processing Method	FC102823AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP22595,PP22597,PP22598,PP22599,PP22600
CCC	PP22598
Internal Standard/PEM	
ICV/I.BLK	PP22596,PP22601
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC065058.D	08 Nov 2023 09:07	YP/AJ	Ok
2	I.BLK	FC065059.D	08 Nov 2023 09:44	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC065060.D	08 Nov 2023 10:21	YP/AJ	Ok,M
4	O5270-02DL	FC065061.D	08 Nov 2023 10:58	YP/AJ	Ok
5	O5252-01DL	FC065062.D	08 Nov 2023 11:35	YP/AJ	Ok
6	I.BLK	FC065063.D	08 Nov 2023 12:49	YP/AJ	Ok
7	20 PPM ALIPHATIC HC STD	FC065064.D	08 Nov 2023 13:26	YP/AJ	Ok,M
8	PB156991BL	FC065065.D	08 Nov 2023 16:04	YP/AJ	Ok
9	PB156991BS	FC065066.D	08 Nov 2023 16:40	YP/AJ	Ok
10	PB156991BSD	FC065067.D	08 Nov 2023 17:17	YP/AJ	Ok
11	O5095-01	FC065068.D	08 Nov 2023 17:55	YP/AJ	Ok
12	O5280-02	FC065069.D	08 Nov 2023 18:32	YP/AJ	Ok
13	I.BLK	FC065070.D	08 Nov 2023 19:09	YP/AJ	Ok
14	20 PPM ALIPHATIC HC STD	FC065071.D	08 Nov 2023 19:46	YP/AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD102723AR

Review By	yogesh	Review On	10/27/2023 3:52:36 PM		
Supervise By	mohammad	Supervise On	10/30/2023 3:43:23 PM		
SubDirectory	FD102723AR	HP Acquire Method		HP Processing Method	FD102723AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP22493,PP22494,PP22495,PP22496,PP22497
CCC	PP22495
Internal Standard/PEM	
ICV/I.BLK	PP22499
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD046792.D	27 Oct 2023 15:45	YP/AJ	Ok
2	I.BLK	FD046793.D	27 Oct 2023 16:25	YP/AJ	Ok
3	100 PPM AROMATIC HC STD1	FD046794.D	27 Oct 2023 17:07	YP/AJ	Ok,M
4	50 PPM AROMATIC HC STD2	FD046795.D	27 Oct 2023 17:49	YP/AJ	Ok
5	20 PPM AROMATIC HC STD3	FD046796.D	27 Oct 2023 18:30	YP/AJ	Ok
6	10 PPM AROMATIC HC STD4	FD046797.D	27 Oct 2023 19:12	YP/AJ	Ok
7	5 PPM AROMATIC HC STD5	FD046798.D	27 Oct 2023 19:53	YP/AJ	Ok
8	20 PPM AROMATIC HC STD ICV	FD046799.D	27 Oct 2023 21:16	YP/AJ	Ok
9	I.BLK	FD046800.D	27 Oct 2023 21:56	YP/AJ	Ok
10	20 PPM AROMATIC HC STD	FD046801.D	27 Oct 2023 22:37	YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD110723AR

Review By	yogesh	Review On	11/7/2023 3:25:49 PM		
Supervise By	Ankita	Supervise On	11/8/2023 9:06:24 AM		
SubDirectory	FD110723AR	HP Acquire Method		HP Processing Method	FD102723AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP22493,PP22494,PP22495,PP22496,PP22497
CCC	PP22495
Internal Standard/PEM	
ICV/I.BLK	PP22499
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD046836.D	07 Nov 2023 10:23	YP/AJ	Ok
2	I.BLK	FD046837.D	07 Nov 2023 10:59	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD046838.D	07 Nov 2023 14:15	YP/AJ	Ok
4	PB156949BL	FD046839.D	07 Nov 2023 17:30	YP/AJ	Ok
5	PB156949BS	FD046840.D	07 Nov 2023 18:08	YP/AJ	Ok,M
6	PB156949BSD	FD046841.D	07 Nov 2023 18:46	YP/AJ	Ok,M
7	O5251-01	FD046842.D	07 Nov 2023 19:24	YP/AJ	Ok
8	O5251-01D	FD046843.D	07 Nov 2023 20:02	YP/AJ	Ok
9	O5251-01MS	FD046844.D	07 Nov 2023 20:40	YP/AJ	Ok
10	O5251-01MSD	FD046845.D	07 Nov 2023 21:17	YP/AJ	Ok
11	O5251-02	FD046846.D	07 Nov 2023 21:55	YP/AJ	Ok
12	O5251-03	FD046847.D	07 Nov 2023 22:32	YP/AJ	Ok
13	O5251-04	FD046848.D	07 Nov 2023 23:09	YP/AJ	Ok
14	O5251-05	FD046849.D	07 Nov 2023 23:47	YP/AJ	Ok
15	O5251-06	FD046850.D	08 Nov 2023 00:24	YP/AJ	Ok
16	O5251-07	FD046851.D	08 Nov 2023 01:01	YP/AJ	Ok
17	O5251-08	FD046852.D	08 Nov 2023 01:38	YP/AJ	Ok
18	O5251-09	FD046853.D	08 Nov 2023 02:15	YP/AJ	Ok
19	O5251-10	FD046854.D	08 Nov 2023 02:53	YP/AJ	Ok
20	O5251-11	FD046855.D	08 Nov 2023 03:31	YP/AJ	Ok
21	O5252-01	FD046856.D	08 Nov 2023 04:09	YP/AJ	Ok
22	I.BLK	FD046857.D	08 Nov 2023 05:23	YP/AJ	Ok
23	20 PPM AROMATIC HC STD	FD046858.D	08 Nov 2023 05:59	YP/AJ	Ok

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD110723AR

Review By	yogesh	Review On	11/7/2023 3:25:49 PM		
Supervise By	Ankita	Supervise On	11/8/2023 9:06:24 AM		
SubDirectory	FD110723AR	HP Acquire Method		HP Processing Method	FD102723AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP22493,PP22494,PP22495,PP22496,PP22497
CCC	PP22495
Internal Standard/PEM	
ICV/I.BLK	PP22499
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC102823AL

Review By	yogesh	Review On	10/27/2023 3:54:54 PM		
Supervise By	mohammad	Supervise On	10/30/2023 3:42:55 PM		
SubDirectory	FC102823AL	HP Acquire Method		HP Processing Method	FC102823AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP22595,PP22597,PP22598,PP22599,PP22600
CCC	PP22598
Internal Standard/PEM	
ICV/I.BLK	PP22596,PP22601
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC064935.D	27 Oct 2023 15:45		YP/AJ	Ok
2	I.BLK	I.BLK	FC064936.D	27 Oct 2023 16:25		YP/AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FC064937.D	27 Oct 2023 17:07		YP/AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FC064938.D	27 Oct 2023 17:49		YP/AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC064939.D	27 Oct 2023 18:30		YP/AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FC064940.D	27 Oct 2023 19:12		YP/AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FC064941.D	27 Oct 2023 19:53		YP/AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC064942.D	27 Oct 2023 20:35		YP/AJ	Ok
9	I.BLK	I.BLK	FC064943.D	27 Oct 2023 21:56		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC064944.D	27 Oct 2023 22:37		YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC110723AL

Review By	yogesh	Review On	11/7/2023 1:15:57 PM		
Supervise By	Ankita	Supervise On	11/8/2023 9:03:27 AM		
SubDirectory	FC110723AL	HP Acquire Method		HP Processing Method	FC102823AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP22595,PP22597,PP22598,PP22599,PP22600
CCC	PP22598
Internal Standard/PEM	
ICV/I.BLK	PP22596,PP22601
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC065025.D	07 Nov 2023 10:23		YP/AJ	Ok
2	I.BLK	I.BLK	FC065026.D	07 Nov 2023 10:59		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC065027.D	07 Nov 2023 12:18		YP/AJ	Ok
4	PB156950BL	PB156950BL	FC065028.D	07 Nov 2023 12:57		YP/AJ	Ok
5	PB156950BS	PB156950BS	FC065029.D	07 Nov 2023 13:36		YP/AJ	Ok
6	PB156950BSD	PB156950BSD	FC065030.D	07 Nov 2023 14:15		YP/AJ	Ok
7	O5270-01	OR-3-110623	FC065031.D	07 Nov 2023 14:53		YP/AJ	Ok
8	O5270-01D	O5270-01D	FC065032.D	07 Nov 2023 15:33		YP/AJ	Ok
9	O5270-01MS	OR-3-110623MS	FC065033.D	07 Nov 2023 16:12	FC065031.D	YP/AJ	Ok
10	O5270-01MSD	OR-3-110623MSD	FC065034.D	07 Nov 2023 16:51	FC065031.D!FC065033.D	YP/AJ	Ok,M
11	O5270-02	OR-3-110623-E2	FC065035.D	07 Nov 2023 17:30	need 2x dilution	YP/AJ	Dilution
12	I.BLK	I.BLK	FC065036.D	07 Nov 2023 18:46		YP/AJ	Ok
13	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC065037.D	07 Nov 2023 19:24		YP/AJ	Ok,M
14	PB156949BL	PB156949BL	FC065038.D	07 Nov 2023 20:40		YP/AJ	Ok
15	PB156949BS	PB156949BS	FC065039.D	07 Nov 2023 21:17		YP/AJ	Ok,M
16	PB156949BSD	PB156949BSD	FC065040.D	07 Nov 2023 21:55		YP/AJ	Ok
17	O5251-01	T-1	FC065041.D	07 Nov 2023 22:32		YP/AJ	Ok
18	O5251-01D	O5251-01D	FC065042.D	07 Nov 2023 23:09		YP/AJ	Ok
19	O5251-01MS	T-1MS	FC065043.D	07 Nov 2023 23:47	FC065041.D	YP/AJ	Ok

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC110723AL

Review By	yogesh	Review On	11/7/2023 1:15:57 PM		
Supervise By	Ankita	Supervise On	11/8/2023 9:03:27 AM		
SubDirectory	FC110723AL	HP Acquire Method		HP Processing Method	FC102823AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP22595,PP22597,PP22598,PP22599,PP22600
CCC	PP22598
Internal Standard/PEM	
ICV/I.BLK	PP22596,PP22601
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

20	O5251-01MSD	T-1MSD	FC065044.D	08 Nov 2023 00:24	FC065041.D!FC065043.D	YP/AJ	Ok
21	O5251-02	T-2	FC065045.D	08 Nov 2023 01:01		YP/AJ	Ok
22	O5251-03	T-3	FC065046.D	08 Nov 2023 01:38		YP/AJ	Ok
23	O5251-04	T-4	FC065047.D	08 Nov 2023 02:15		YP/AJ	Ok
24	O5251-05	T-5	FC065048.D	08 Nov 2023 02:53		YP/AJ	Ok
25	O5251-06	T-6	FC065049.D	08 Nov 2023 03:31		YP/AJ	Ok
26	O5251-07	T-7	FC065050.D	08 Nov 2023 04:09		YP/AJ	Ok
27	O5251-08	T-8	FC065051.D	08 Nov 2023 04:46		YP/AJ	Ok
28	O5251-09	T-9	FC065052.D	08 Nov 2023 05:23		YP/AJ	Ok
29	O5251-10	T-10	FC065053.D	08 Nov 2023 05:59		YP/AJ	Ok
30	O5251-11	T-11	FC065054.D	08 Nov 2023 06:37		YP/AJ	Ok
31	O5252-01	WASTE	FC065055.D	08 Nov 2023 07:14	need 2x dilution	YP/AJ	Dilution
32	I.BLK	I.BLK	FC065056.D	08 Nov 2023 07:51		YP/AJ	Ok
33	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC065057.D	08 Nov 2023 08:29		YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC110823AL

Review By	yogesh	Review On	11/8/2023 11:04:44 AM		
Supervise By	Ankita	Supervise On	11/9/2023 9:15:19 AM		
SubDirectory	FC110823AL	HP Acquire Method		HP Processing Method	FC102823AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP22595,PP22597,PP22598,PP22599,PP22600
CCC	PP22598
Internal Standard/PEM	
ICV/I.BLK	PP22596,PP22601
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC065058.D	08 Nov 2023 09:07		YP/AJ	Ok
2	I.BLK	I.BLK	FC065059.D	08 Nov 2023 09:44		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC065060.D	08 Nov 2023 10:21		YP/AJ	Ok,M
4	O5270-02DL	OR-3-110623-E2DL	FC065061.D	08 Nov 2023 10:58		YP/AJ	Ok
5	O5252-01DL	WASTEDL	FC065062.D	08 Nov 2023 11:35		YP/AJ	Ok
6	I.BLK	I.BLK	FC065063.D	08 Nov 2023 12:49		YP/AJ	Ok
7	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC065064.D	08 Nov 2023 13:26		YP/AJ	Ok,M
8	PB156991BL	PB156991BL	FC065065.D	08 Nov 2023 16:04		YP/AJ	Ok
9	PB156991BS	PB156991BS	FC065066.D	08 Nov 2023 16:40		YP/AJ	Ok
10	PB156991BSD	PB156991BSD	FC065067.D	08 Nov 2023 17:17		YP/AJ	Ok
11	O5095-01	F07367	FC065068.D	08 Nov 2023 17:55		YP/AJ	Ok
12	O5280-02	MH-1-GW	FC065069.D	08 Nov 2023 18:32		YP/AJ	Ok
13	I.BLK	I.BLK	FC065070.D	08 Nov 2023 19:09		YP/AJ	Ok
14	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC065071.D	08 Nov 2023 19:46		YP/AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD102723AR

Review By	yogesh	Review On	10/27/2023 3:52:36 PM		
Supervise By	mohammad	Supervise On	10/30/2023 3:43:23 PM		
SubDirectory	FD102723AR	HP Acquire Method		HP Processing Method	FD102723AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP22493,PP22494,PP22495,PP22496,PP22497
CCC	PP22495
Internal Standard/PEM	
ICV/I.BLK	PP22499
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD046792.D	27 Oct 2023 15:45		YP/AJ	Ok
2	I.BLK	I.BLK	FD046793.D	27 Oct 2023 16:25		YP/AJ	Ok
3	100 PPM AROMATIC H	100 PPM AROMATIC H	FD046794.D	27 Oct 2023 17:07		YP/AJ	Ok,M
4	50 PPM AROMATIC HC	50 PPM AROMATIC HC	FD046795.D	27 Oct 2023 17:49		YP/AJ	Ok
5	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD046796.D	27 Oct 2023 18:30		YP/AJ	Ok
6	10 PPM AROMATIC HC	10 PPM AROMATIC HC	FD046797.D	27 Oct 2023 19:12		YP/AJ	Ok
7	5 PPM AROMATIC HC	5 PPM AROMATIC HC	FD046798.D	27 Oct 2023 19:53		YP/AJ	Ok
8	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD046799.D	27 Oct 2023 21:16		YP/AJ	Ok
9	I.BLK	I.BLK	FD046800.D	27 Oct 2023 21:56		YP/AJ	Ok
10	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD046801.D	27 Oct 2023 22:37		YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD110723AR

Review By	yogesh	Review On	11/7/2023 3:25:49 PM		
Supervise By	Ankita	Supervise On	11/8/2023 9:06:24 AM		
SubDirectory	FD110723AR	HP Acquire Method		HP Processing Method	FD102723AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP22493,PP22494,PP22495,PP22496,PP22497
CCC	PP22495
Internal Standard/PEM	
ICV/I.BLK	PP22499
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD046836.D	07 Nov 2023 10:23		YP/AJ	Ok
2	I.BLK	I.BLK	FD046837.D	07 Nov 2023 10:59		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD046838.D	07 Nov 2023 14:15		YP/AJ	Ok
4	PB156949BL	PB156949BL	FD046839.D	07 Nov 2023 17:30		YP/AJ	Ok
5	PB156949BS	PB156949BS	FD046840.D	07 Nov 2023 18:08		YP/AJ	Ok,M
6	PB156949BSD	PB156949BSD	FD046841.D	07 Nov 2023 18:46		YP/AJ	Ok,M
7	O5251-01	T-1	FD046842.D	07 Nov 2023 19:24		YP/AJ	Ok
8	O5251-01D	O5251-01D	FD046843.D	07 Nov 2023 20:02		YP/AJ	Ok
9	O5251-01MS	T-1MS	FD046844.D	07 Nov 2023 20:40	FD046842.D	YP/AJ	Ok
10	O5251-01MSD	T-1MSD	FD046845.D	07 Nov 2023 21:17	FD046842.D!FD046844.D	YP/AJ	Ok
11	O5251-02	T-2	FD046846.D	07 Nov 2023 21:55		YP/AJ	Ok
12	O5251-03	T-3	FD046847.D	07 Nov 2023 22:32		YP/AJ	Ok
13	O5251-04	T-4	FD046848.D	07 Nov 2023 23:09		YP/AJ	Ok
14	O5251-05	T-5	FD046849.D	07 Nov 2023 23:47		YP/AJ	Ok
15	O5251-06	T-6	FD046850.D	08 Nov 2023 00:24		YP/AJ	Ok
16	O5251-07	T-7	FD046851.D	08 Nov 2023 01:01		YP/AJ	Ok
17	O5251-08	T-8	FD046852.D	08 Nov 2023 01:38		YP/AJ	Ok
18	O5251-09	T-9	FD046853.D	08 Nov 2023 02:15		YP/AJ	Ok
19	O5251-10	T-10	FD046854.D	08 Nov 2023 02:53		YP/AJ	Ok

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD110723AR

Review By	yogesh	Review On	11/7/2023 3:25:49 PM		
Supervise By	Ankita	Supervise On	11/8/2023 9:06:24 AM		
SubDirectory	FD110723AR	HP Acquire Method		HP Processing Method	FD102723AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP22493,PP22494,PP22495,PP22496,PP22497
CCC	PP22495
Internal Standard/PEM	
ICV/I.BLK	PP22499
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

20	O5251-11	T-11	FD046855.D	08 Nov 2023 03:31		YP/AJ	Ok
21	O5252-01	WASTE	FD046856.D	08 Nov 2023 04:09		YP/AJ	Ok
22	I.BLK	I.BLK	FD046857.D	08 Nov 2023 05:23		YP/AJ	Ok
23	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD046858.D	08 Nov 2023 05:59		YP/AJ	Ok

M : Manual Integration

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EXTRACTION LOGPAGE

PB156949

SOP ID:	MNJDEP-EPH-7				
Clean Up SOP #:	N/A			**Extraction Start Date :**	11/07/2023
Matrix :	Solid			**Extraction Start Time :**	08:55
Weigh By:	RJ	**Extraction By:**	RJ	**Extraction End Date :**	11/07/2023
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	16:45
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	RS
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	rajesh

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	PP22659
Surrogate	1.0ML	100 PPM	PP22640
Fractionation Surrogate	1.0ML	100 PPM	PP22637
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	EP2392
Baked Na2SO4	N/A	EP2408
Sand	N/A	E2865
Hexane	N/A	E3591
EPH Cartridge	N/A	E3480
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
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:

1.5 ML Vial lot#2210678

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

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/7/23	RP (Ext. Lab)	AJ / INT ICP Lab
16:50	**Preparation Group**	**Analysis Group**

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EXTRACTION LOGPAGE

PrepBatch ID : PB156949

Analytical Method: MNJDEP-EPH-7

Concentration Date: 11/07/2023

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB156949BL	PB156949BL	EPH	30.01	N/A	ritesh	RUPESH	2			U3-1
PB156949BS	PB156949BS	EPH	30.00	N/A	ritesh	RUPESH	2			2
PB156949BSD	PB156949BSD	EPH	30.03	N/A	ritesh	RUPESH	2			3
O5251-01	T-1	EPH	30.07	N/A	ritesh	RUPESH	2			4
O5251-01DUP	T-1DUP	EPH	30.09	N/A	ritesh	RUPESH	2			5
O5251-01MS	T-1MS	EPH	30.02	N/A	ritesh	RUPESH	2			6
O5251-01MSD	T-1MSD	EPH	30.04	N/A	ritesh	RUPESH	2			U5-1
O5251-02	T-2	EPH	30.01	N/A	ritesh	RUPESH	2			2
O5251-03	T-3	EPH	30.06	N/A	ritesh	RUPESH	2			3
O5251-04	T-4	EPH	30.10	N/A	ritesh	RUPESH	2			4
O5251-05	T-5	EPH	30.03	N/A	ritesh	RUPESH	2			5
O5251-06	T-6	EPH	30.07	N/A	ritesh	RUPESH	2			6
O5251-07	T-7	EPH	30.10	N/A	ritesh	RUPESH	2			U6-1
O5251-08	T-8	EPH	30.01	N/A	ritesh	RUPESH	2			2
O5251-09	T-9	EPH	30.06	N/A	ritesh	RUPESH	2			3
O5251-10	T-10	EPH	30.09	N/A	ritesh	RUPESH	2			4
O5251-11	T-11	EPH	30.03	N/A	ritesh	RUPESH	2			5
O5252-01	WASTE	EPH	30.05	N/A	ritesh	RUPESH	2	B		6

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

7/22

156949
8-7-23 EM

WORKLIST(Hardcopy Internal Chain)

WorkList Name : O5251 **WorkList ID :** 175337 **Department :** Extraction **Date :** 11-07-2023 08:08:41

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O5251-01	T-1	Solid	EPH	Cool 4 deg C	RMJE02	L21	11/02/2023	NJEPH
O5251-02	T-2	Solid	EPH	Cool 4 deg C	RMJE02	L21	11/02/2023	NJEPH
O5251-03	T-3	Solid	EPH	Cool 4 deg C	RMJE02	L21	11/02/2023	NJEPH
O5251-04	T-4	Solid	EPH	Cool 4 deg C	RMJE02	L21	11/02/2023	NJEPH
O5251-05	T-5	Solid	EPH	Cool 4 deg C	RMJE02	L21	11/02/2023	NJEPH
O5251-06	T-6	Solid	EPH	Cool 4 deg C	RMJE02	L21	11/02/2023	NJEPH
O5251-07	T-7	Solid	EPH	Cool 4 deg C	RMJE02	L21	11/02/2023	NJEPH
O5251-08	T-8	Solid	EPH	Cool 4 deg C	RMJE02	L21	11/02/2023	NJEPH
O5251-09	T-9	Solid	EPH	Cool 4 deg C	RMJE02	L21	11/02/2023	NJEPH
O5251-10	T-10	Solid	EPH	Cool 4 deg C	RMJE02	L21	11/02/2023	NJEPH
O5251-11	T-11	Solid	EPH	Cool 4 deg C	RMJE02	L21	11/02/2023	NJEPH
O5252-01	WASTE	Solid	EPH	Cool 4 deg C	RMJE02	I31	11/03/2023	NJEPH
O5270-01	OR-3-110623	Solid	EPH_NF	Cool 4 deg C	PSEG05	I31	11/06/2023	NJEPH
O5270-02	OR-3-110623-E2	Solid	EPH_NF	Cool 4 deg C	PSEG05	I31	11/06/2023	NJEPH

Date/Time 11/7/23 8:50
Raw Sample Received by: RJ (Cref 104)
Raw Sample Relinquished by:

Date/Time 11/7/23 9:20
Raw Sample Received by:
Raw Sample Relinquished by: RJ (Cref 104)

CHEMTECH

284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	O5252	**OrderDate:**	11/3/2023 2:14:16 PM
Client:	RMJ Environomics, Inc.	**Project:**	245 Greenwood Ave
Contact:	Jonathan Pereira	**Location:**	I31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
O5252-01	**WASTE**	**SOIL**			**11/03/23**			**11/03/23**
			PCB	8082A		11/06/23	11/06/23	
			Pesticide-TCL	8081B		11/06/23	11/06/23	
			EPH	NJEPH		11/07/23	11/08/23	
O5252-01DL	**WASTEDL**	**Solid**			**11/03/23**			**11/03/23**
			EPH	NJEPH		11/07/23	11/08/23	

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Hit Summary Sheet
SW-846

SDG No.: O5252 **Order ID:** O5252

Client: RMJ Environomics, Inc. **Project ID:** 245 Greenwood Ave

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : WASTE								
O5252-01	WASTE	SOIL	Aluminum	3630		2.14	4.43	mg/Kg
O5252-01	WASTE	SOIL	Barium	18.3		0.43	4.43	mg/Kg
O5252-01	WASTE	SOIL	Beryllium	0.25	J	0.012	0.27	mg/Kg
O5252-01	WASTE	SOIL	Cadmium	0.74		0.012	0.27	mg/Kg
O5252-01	WASTE	SOIL	Calcium	16200		3.05	88.7	mg/Kg
O5252-01	WASTE	SOIL	Chromium	11.4		0.051	0.44	mg/Kg
O5252-01	WASTE	SOIL	Cobalt	5.27		0.035	1.33	mg/Kg
O5252-01	WASTE	SOIL	Copper	39.0		0.42	0.89	mg/Kg
O5252-01	WASTE	SOIL	Iron	15400		2.38	4.43	mg/Kg
O5252-01	WASTE	SOIL	Lead	16.5		0.13	0.53	mg/Kg
O5252-01	WASTE	SOIL	Magnesium	5730		3.85	88.7	mg/Kg
O5252-01	WASTE	SOIL	Manganese	131		0.059	0.89	mg/Kg
O5252-01	WASTE	SOIL	Mercury	0.031		0.0070	0.014	mg/Kg
O5252-01	WASTE	SOIL	Nickel	14.0		0.080	1.77	mg/Kg
O5252-01	WASTE	SOIL	Potassium	512		25.4	88.7	mg/Kg
O5252-01	WASTE	SOIL	Sodium	190		31.9	88.7	mg/Kg
O5252-01	WASTE	SOIL	Vanadium	19.0		0.30	1.77	mg/Kg
O5252-01	WASTE	SOIL	Zinc	58.8		0.13	1.77	mg/Kg

CHEMTECH

SAMPLE DATA

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WASTE	SDG No.:	O5252
Lab Sample ID:	O5252-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	90.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3630		1	2.14	4.43	mg/Kg	11/07/23 12:30	11/09/23 12:00	SW6010	SW3050
7440-36-0	Antimony	0.12	U	1	0.12	2.22	mg/Kg	11/07/23 12:30	11/09/23 12:00	SW6010	SW3050
7440-38-2	Arsenic	0.23	U	1	0.23	0.89	mg/Kg	11/07/23 12:30	11/09/23 12:00	SW6010	SW3050
7440-39-3	Barium	18.3		1	0.43	4.43	mg/Kg	11/07/23 12:30	11/09/23 12:00	SW6010	SW3050
7440-41-7	Beryllium	0.25	J	1	0.012	0.27	mg/Kg	11/07/23 12:30	11/09/23 12:00	SW6010	SW3050
7440-43-9	Cadmium	0.74		1	0.012	0.27	mg/Kg	11/07/23 12:30	11/09/23 12:00	SW6010	SW3050
7440-70-2	Calcium	16200		1	3.05	88.7	mg/Kg	11/07/23 12:30	11/09/23 12:00	SW6010	SW3050
7440-47-3	Chromium	11.4		1	0.051	0.44	mg/Kg	11/07/23 12:30	11/09/23 12:00	SW6010	SW3050
7440-48-4	Cobalt	5.27		1	0.035	1.33	mg/Kg	11/07/23 12:30	11/09/23 12:00	SW6010	SW3050
7440-50-8	Copper	39.0		1	0.42	0.89	mg/Kg	11/07/23 12:30	11/09/23 12:00	SW6010	SW3050
7439-89-6	Iron	15400		1	2.38	4.43	mg/Kg	11/07/23 12:30	11/09/23 12:00	SW6010	SW3050
7439-92-1	Lead	16.5		1	0.13	0.53	mg/Kg	11/07/23 12:30	11/09/23 12:00	SW6010	SW3050
7439-95-4	Magnesium	5730		1	3.85	88.7	mg/Kg	11/07/23 12:30	11/09/23 12:00	SW6010	SW3050
7439-96-5	Manganese	131		1	0.059	0.89	mg/Kg	11/07/23 12:30	11/09/23 12:00	SW6010	SW3050
7439-97-6	Mercury	0.031	*	1	0.0070	0.014	mg/Kg	11/07/23 13:05	11/07/23 16:35	SW7471B	
7440-02-0	Nickel	14.0		1	0.080	1.77	mg/Kg	11/07/23 12:30	11/09/23 12:00	SW6010	SW3050
7440-09-7	Potassium	512		1	25.4	88.7	mg/Kg	11/07/23 12:30	11/09/23 12:00	SW6010	SW3050
7782-49-2	Selenium	0.29	U	1	0.29	0.89	mg/Kg	11/07/23 12:30	11/09/23 12:00	SW6010	SW3050
7440-22-4	Silver	0.056	UN	1	0.056	0.44	mg/Kg	11/07/23 12:30	11/09/23 12:00	SW6010	SW3050
7440-23-5	Sodium	190		1	31.9	88.7	mg/Kg	11/07/23 12:30	11/09/23 12:00	SW6010	SW3050
7440-28-0	Thallium	0.39	U	1	0.39	1.77	mg/Kg	11/07/23 12:30	11/09/23 12:00	SW6010	SW3050
7440-62-2	Vanadium	19.0		1	0.30	1.77	mg/Kg	11/07/23 12:30	11/09/23 12:00	SW6010	SW3050
7440-66-6	Zinc	58.8		1	0.13	1.77	mg/Kg	11/07/23 12:30	11/09/23 12:00	SW6010	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Brown	Clarity After:		Artifacts:	No
Comments:	TCL+30/TAL				

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: RMJ Environomics, Inc. **SDG No.:** O5252

Contract: RMJE02 **Lab Code:** CHEM **Case No.:** O5252 **SAS No.:** O5252

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB61	Mercury	0.20	+/-0.20	U	0.20	CV	11/07/2023	16:15	LB128217

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: RMJ Environomics, Inc. **SDG No.:** O5252

Contract: RMJE02 **Lab Code:** CHEM **Case No.:** O5252 **SAS No.:** O5252

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB74	Mercury	0.20	+/-0.20	U	0.20	CV	11/07/2023	16:19	LB128217
CCB75	Mercury	0.20	+/-0.20	U	0.20	CV	11/07/2023	16:46	LB128217
CCB76	Mercury	0.20	+/-0.20	U	0.20	CV	11/07/2023	17:23	LB128217
CCB77	Mercury	0.20	+/-0.20	U	0.20	CV	11/07/2023	17:37	LB128217

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: RMJ Environomics, Inc. **SDG No.:** O5252

Contract: RMJE02 **Lab Code:** CHEM **Case No.:** O5252 **SAS No.:** O5252

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	11/09/2023	11:24	LB128258
	Antimony	50.0	+/-50.0	U	50.0	P	11/09/2023	11:24	LB128258
	Arsenic	20.0	+/-20.0	U	20.0	P	11/09/2023	11:24	LB128258
	Barium	100	+/-100	U	100	P	11/09/2023	11:24	LB128258
	Beryllium	6.00	+/-6.00	U	6.00	P	11/09/2023	11:24	LB128258
	Cadmium	6.00	+/-6.00	U	6.00	P	11/09/2023	11:24	LB128258
	Calcium	2000	+/-2000	U	2000	P	11/09/2023	11:24	LB128258
	Chromium	10.0	+/-10.0	U	10.0	P	11/09/2023	11:24	LB128258
	Cobalt	30.0	+/-30.0	U	30.0	P	11/09/2023	11:24	LB128258
	Copper	20.0	+/-20.0	U	20.0	P	11/09/2023	11:24	LB128258
	Iron	100	+/-100	U	100	P	11/09/2023	11:24	LB128258
	Lead	12.0	+/-12.0	U	12.0	P	11/09/2023	11:24	LB128258
	Magnesium	2000	+/-2000	U	2000	P	11/09/2023	11:24	LB128258
	Manganese	20.0	+/-20.0	U	20.0	P	11/09/2023	11:24	LB128258
	Nickel	40.0	+/-40.0	U	40.0	P	11/09/2023	11:24	LB128258
	Potassium	2000	+/-2000	U	2000	P	11/09/2023	11:24	LB128258
	Selenium	20.0	+/-20.0	U	20.0	P	11/09/2023	11:24	LB128258
	Silver	10.0	+/-10.0	U	10.0	P	11/09/2023	11:24	LB128258
	Sodium	2000	+/-2000	U	2000	P	11/09/2023	11:24	LB128258
	Thallium	40.0	+/-40.0	U	40.0	P	11/09/2023	11:24	LB128258
	Vanadium	40.0	+/-40.0	U	40.0	P	11/09/2023	11:24	LB128258
	Zinc	40.0	+/-40.0	U	40.0	P	11/09/2023	11:24	LB128258

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: RMJ Environomics, Inc. **SDG No.:** O5252

Contract: RMJE02 **Lab Code:** CHEM **Case No.:** O5252 **SAS No.:** O5252

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	11/09/2023	11:48	LB128258
	Antimony	50.0	+/-50.0	U	50.0	P	11/09/2023	11:48	LB128258
	Arsenic	20.0	+/-20.0	U	20.0	P	11/09/2023	11:48	LB128258
	Barium	100	+/-100	U	100	P	11/09/2023	11:48	LB128258
	Beryllium	6.00	+/-6.00	U	6.00	P	11/09/2023	11:48	LB128258
	Cadmium	6.00	+/-6.00	U	6.00	P	11/09/2023	11:48	LB128258
	Calcium	2000	+/-2000	U	2000	P	11/09/2023	11:48	LB128258
	Chromium	10.0	+/-10.0	U	10.0	P	11/09/2023	11:48	LB128258
	Cobalt	30.0	+/-30.0	U	30.0	P	11/09/2023	11:48	LB128258
	Copper	20.0	+/-20.0	U	20.0	P	11/09/2023	11:48	LB128258
	Iron	100	+/-100	U	100	P	11/09/2023	11:48	LB128258
	Lead	12.0	+/-12.0	U	12.0	P	11/09/2023	11:48	LB128258
	Magnesium	2000	+/-2000	U	2000	P	11/09/2023	11:48	LB128258
	Manganese	20.0	+/-20.0	U	20.0	P	11/09/2023	11:48	LB128258
	Nickel	40.0	+/-40.0	U	40.0	P	11/09/2023	11:48	LB128258
	Potassium	2000	+/-2000	U	2000	P	11/09/2023	11:48	LB128258
	Selenium	20.0	+/-20.0	U	20.0	P	11/09/2023	11:48	LB128258
	Silver	10.0	+/-10.0	U	10.0	P	11/09/2023	11:48	LB128258
	Sodium	2000	+/-2000	U	2000	P	11/09/2023	11:48	LB128258
	Thallium	40.0	+/-40.0	U	40.0	P	11/09/2023	11:48	LB128258
	Vanadium	40.0	+/-40.0	U	40.0	P	11/09/2023	11:48	LB128258
	Zinc	40.0	+/-40.0	U	40.0	P	11/09/2023	11:48	LB128258
CCB02	Aluminum	100	+/-100	U	100	P	11/09/2023	12:34	LB128258
	Antimony	50.0	+/-50.0	U	50.0	P	11/09/2023	12:34	LB128258
	Arsenic	20.0	+/-20.0	U	20.0	P	11/09/2023	12:34	LB128258
	Barium	100	+/-100	U	100	P	11/09/2023	12:34	LB128258
	Beryllium	6.00	+/-6.00	U	6.00	P	11/09/2023	12:34	LB128258
	Cadmium	6.00	+/-6.00	U	6.00	P	11/09/2023	12:34	LB128258
	Calcium	2000	+/-2000	U	2000	P	11/09/2023	12:34	LB128258
	Chromium	10.0	+/-10.0	U	10.0	P	11/09/2023	12:34	LB128258
	Cobalt	30.0	+/-30.0	U	30.0	P	11/09/2023	12:34	LB128258
	Copper	20.0	+/-20.0	U	20.0	P	11/09/2023	12:34	LB128258
	Iron	100	+/-100	U	100	P	11/09/2023	12:34	LB128258
	Lead	12.0	+/-12.0	U	12.0	P	11/09/2023	12:34	LB128258
	Magnesium	2000	+/-2000	U	2000	P	11/09/2023	12:34	LB128258
	Manganese	20.0	+/-20.0	U	20.0	P	11/09/2023	12:34	LB128258
	Nickel	40.0	+/-40.0	U	40.0	P	11/09/2023	12:34	LB128258
	Potassium	2000	+/-2000	U	2000	P	11/09/2023	12:34	LB128258
	Selenium	20.0	+/-20.0	U	20.0	P	11/09/2023	12:34	LB128258
	Silver	10.0	+/-10.0	U	10.0	P	11/09/2023	12:34	LB128258

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: RMJ Environomics, Inc. **SDG No.:** O5252

Contract: RMJE02 **Lab Code:** CHEM **Case No.:** O5252 **SAS No.:** O5252

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Sodium	2000	+/-2000	U	2000	P	11/09/2023	12:34	LB128258
	Thallium	40.0	+/-40.0	U	40.0	P	11/09/2023	12:34	LB128258
	Vanadium	40.0	+/-40.0	U	40.0	P	11/09/2023	12:34	LB128258
	Zinc	40.0	+/-40.0	U	40.0	P	11/09/2023	12:34	LB128258
CCB03	Aluminum	100	+/-100	U	100	P	11/09/2023	13:00	LB128258
	Antimony	50.0	+/-50.0	U	50.0	P	11/09/2023	13:00	LB128258
	Arsenic	20.0	+/-20.0	U	20.0	P	11/09/2023	13:00	LB128258
	Barium	100	+/-100	U	100	P	11/09/2023	13:00	LB128258
	Beryllium	6.00	+/-6.00	U	6.00	P	11/09/2023	13:00	LB128258
	Cadmium	0.22	+/-6.00	J	6.00	P	11/09/2023	13:00	LB128258
	Calcium	2000	+/-2000	U	2000	P	11/09/2023	13:00	LB128258
	Chromium	10.0	+/-10.0	U	10.0	P	11/09/2023	13:00	LB128258
	Cobalt	30.0	+/-30.0	U	30.0	P	11/09/2023	13:00	LB128258
	Copper	20.0	+/-20.0	U	20.0	P	11/09/2023	13:00	LB128258
	Iron	100	+/-100	U	100	P	11/09/2023	13:00	LB128258
	Lead	12.0	+/-12.0	U	12.0	P	11/09/2023	13:00	LB128258
	Magnesium	2000	+/-2000	U	2000	P	11/09/2023	13:00	LB128258
	Manganese	20.0	+/-20.0	U	20.0	P	11/09/2023	13:00	LB128258
	Nickel	40.0	+/-40.0	U	40.0	P	11/09/2023	13:00	LB128258
	Potassium	2000	+/-2000	U	2000	P	11/09/2023	13:00	LB128258
	Selenium	20.0	+/-20.0	U	20.0	P	11/09/2023	13:00	LB128258
	Silver	10.0	+/-10.0	U	10.0	P	11/09/2023	13:00	LB128258
	Sodium	2000	+/-2000	U	2000	P	11/09/2023	13:00	LB128258
	Thallium	40.0	+/-40.0	U	40.0	P	11/09/2023	13:00	LB128258
	Vanadium	40.0	+/-40.0	U	40.0	P	11/09/2023	13:00	LB128258
	Zinc	40.0	+/-40.0	U	40.0	P	11/09/2023	13:00	LB128258
CCB04	Aluminum	100	+/-100	U	100	P	11/09/2023	14:04	LB128258
	Antimony	50.0	+/-50.0	U	50.0	P	11/09/2023	14:04	LB128258
	Arsenic	20.0	+/-20.0	U	20.0	P	11/09/2023	14:04	LB128258
	Barium	100	+/-100	U	100	P	11/09/2023	14:04	LB128258
	Beryllium	6.00	+/-6.00	U	6.00	P	11/09/2023	14:04	LB128258
	Cadmium	6.00	+/-6.00	U	6.00	P	11/09/2023	14:04	LB128258
	Calcium	2000	+/-2000	U	2000	P	11/09/2023	14:04	LB128258
	Chromium	10.0	+/-10.0	U	10.0	P	11/09/2023	14:04	LB128258
	Cobalt	30.0	+/-30.0	U	30.0	P	11/09/2023	14:04	LB128258
	Copper	20.0	+/-20.0	U	20.0	P	11/09/2023	14:04	LB128258
	Iron	100	+/-100	U	100	P	11/09/2023	14:04	LB128258
	Lead	12.0	+/-12.0	U	12.0	P	11/09/2023	14:04	LB128258
	Magnesium	2000	+/-2000	U	2000	P	11/09/2023	14:04	LB128258
	Manganese	20.0	+/-20.0	U	20.0	P	11/09/2023	14:04	LB128258

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: RMJ Environomics, Inc. **SDG No.:** O5252

Contract: RMJE02 **Lab Code:** CHEM **Case No.:** O5252 **SAS No.:** O5252

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Nickel	40.0	+/-40.0	U	40.0	P	11/09/2023	14:04	LB128258
	Potassium	2000	+/-2000	U	2000	P	11/09/2023	14:04	LB128258
	Selenium	20.0	+/-20.0	U	20.0	P	11/09/2023	14:04	LB128258
	Silver	10.0	+/-10.0	U	10.0	P	11/09/2023	14:04	LB128258
	Sodium	2000	+/-2000	U	2000	P	11/09/2023	14:04	LB128258
	Thallium	40.0	+/-40.0	U	40.0	P	11/09/2023	14:04	LB128258
	Vanadium	40.0	+/-40.0	U	40.0	P	11/09/2023	14:04	LB128258
	Zinc	40.0	+/-40.0	U	40.0	P	11/09/2023	14:04	LB128258
CCB05	Aluminum	100	+/-100	U	100	P	11/09/2023	14:50	LB128258
	Antimony	50.0	+/-50.0	U	50.0	P	11/09/2023	14:50	LB128258
	Arsenic	20.0	+/-20.0	U	20.0	P	11/09/2023	14:50	LB128258
	Barium	100	+/-100	U	100	P	11/09/2023	14:50	LB128258
	Beryllium	6.00	+/-6.00	U	6.00	P	11/09/2023	14:50	LB128258
	Cadmium	6.00	+/-6.00	U	6.00	P	11/09/2023	14:50	LB128258
	Calcium	2000	+/-2000	U	2000	P	11/09/2023	14:50	LB128258
	Chromium	10.0	+/-10.0	U	10.0	P	11/09/2023	14:50	LB128258
	Cobalt	30.0	+/-30.0	U	30.0	P	11/09/2023	14:50	LB128258
	Copper	20.0	+/-20.0	U	20.0	P	11/09/2023	14:50	LB128258
	Iron	100	+/-100	U	100	P	11/09/2023	14:50	LB128258
	Lead	12.0	+/-12.0	U	12.0	P	11/09/2023	14:50	LB128258
	Magnesium	2000	+/-2000	U	2000	P	11/09/2023	14:50	LB128258
	Manganese	20.0	+/-20.0	U	20.0	P	11/09/2023	14:50	LB128258
	Nickel	40.0	+/-40.0	U	40.0	P	11/09/2023	14:50	LB128258
	Potassium	2000	+/-2000	U	2000	P	11/09/2023	14:50	LB128258
	Selenium	20.0	+/-20.0	U	20.0	P	11/09/2023	14:50	LB128258
	Silver	10.0	+/-10.0	U	10.0	P	11/09/2023	14:50	LB128258
	Sodium	2000	+/-2000	U	2000	P	11/09/2023	14:50	LB128258
	Thallium	40.0	+/-40.0	U	40.0	P	11/09/2023	14:50	LB128258
	Vanadium	40.0	+/-40.0	U	40.0	P	11/09/2023	14:50	LB128258
	Zinc	40.0	+/-40.0	U	40.0	P	11/09/2023	14:50	LB128258
CCB06	Aluminum	100	+/-100	U	100	P	11/09/2023	15:37	LB128258
	Antimony	50.0	+/-50.0	U	50.0	P	11/09/2023	15:37	LB128258
	Arsenic	20.0	+/-20.0	U	20.0	P	11/09/2023	15:37	LB128258
	Barium	100	+/-100	U	100	P	11/09/2023	15:37	LB128258
	Beryllium	6.00	+/-6.00	U	6.00	P	11/09/2023	15:37	LB128258
	Cadmium	6.00	+/-6.00	U	6.00	P	11/09/2023	15:37	LB128258
	Calcium	2000	+/-2000	U	2000	P	11/09/2023	15:37	LB128258
	Chromium	10.0	+/-10.0	U	10.0	P	11/09/2023	15:37	LB128258
	Cobalt	30.0	+/-30.0	U	30.0	P	11/09/2023	15:37	LB128258
	Copper	20.0	+/-20.0	U	20.0	P	11/09/2023	15:37	LB128258

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: RMJ Environomics, Inc. **SDG No.:** O5252

Contract: RMJE02 **Lab Code:** CHEM **Case No.:** O5252 **SAS No.:** O5252

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Iron	100	+/-100	U	100	P	11/09/2023	15:37	LB128258
	Lead	12.0	+/-12.0	U	12.0	P	11/09/2023	15:37	LB128258
	Magnesium	2000	+/-2000	U	2000	P	11/09/2023	15:37	LB128258
	Manganese	20.0	+/-20.0	U	20.0	P	11/09/2023	15:37	LB128258
	Nickel	40.0	+/-40.0	U	40.0	P	11/09/2023	15:37	LB128258
	Potassium	2000	+/-2000	U	2000	P	11/09/2023	15:37	LB128258
	Selenium	20.0	+/-20.0	U	20.0	P	11/09/2023	15:37	LB128258
	Silver	10.0	+/-10.0	U	10.0	P	11/09/2023	15:37	LB128258
	Sodium	2000	+/-2000	U	2000	P	11/09/2023	15:37	LB128258
	Thallium	40.0	+/-40.0	U	40.0	P	11/09/2023	15:37	LB128258
	Vanadium	40.0	+/-40.0	U	40.0	P	11/09/2023	15:37	LB128258
	Zinc	40.0	+/-40.0	U	40.0	P	11/09/2023	15:37	LB128258
CCB07	Aluminum	100	+/-100	U	100	P	11/09/2023	16:23	LB128258
	Antimony	50.0	+/-50.0	U	50.0	P	11/09/2023	16:23	LB128258
	Arsenic	20.0	+/-20.0	U	20.0	P	11/09/2023	16:23	LB128258
	Barium	100	+/-100	U	100	P	11/09/2023	16:23	LB128258
	Beryllium	6.00	+/-6.00	U	6.00	P	11/09/2023	16:23	LB128258
	Cadmium	6.00	+/-6.00	U	6.00	P	11/09/2023	16:23	LB128258
	Calcium	2000	+/-2000	U	2000	P	11/09/2023	16:23	LB128258
	Chromium	10.0	+/-10.0	U	10.0	P	11/09/2023	16:23	LB128258
	Cobalt	30.0	+/-30.0	U	30.0	P	11/09/2023	16:23	LB128258
	Copper	20.0	+/-20.0	U	20.0	P	11/09/2023	16:23	LB128258
	Iron	100	+/-100	U	100	P	11/09/2023	16:23	LB128258
	Lead	12.0	+/-12.0	U	12.0	P	11/09/2023	16:23	LB128258
	Magnesium	2000	+/-2000	U	2000	P	11/09/2023	16:23	LB128258
	Manganese	20.0	+/-20.0	U	20.0	P	11/09/2023	16:23	LB128258
	Nickel	40.0	+/-40.0	U	40.0	P	11/09/2023	16:23	LB128258
	Potassium	2000	+/-2000	U	2000	P	11/09/2023	16:23	LB128258
	Selenium	20.0	+/-20.0	U	20.0	P	11/09/2023	16:23	LB128258
	Silver	10.0	+/-10.0	U	10.0	P	11/09/2023	16:23	LB128258
	Sodium	2000	+/-2000	U	2000	P	11/09/2023	16:23	LB128258
	Thallium	40.0	+/-40.0	U	40.0	P	11/09/2023	16:23	LB128258
	Vanadium	40.0	+/-40.0	U	40.0	P	11/09/2023	16:23	LB128258
	Zinc	40.0	+/-40.0	U	40.0	P	11/09/2023	16:23	LB128258
CCB08	Aluminum	100	+/-100	U	100	P	11/09/2023	17:11	LB128258
	Antimony	50.0	+/-50.0	U	50.0	P	11/09/2023	17:11	LB128258
	Arsenic	20.0	+/-20.0	U	20.0	P	11/09/2023	17:11	LB128258
	Barium	100	+/-100	U	100	P	11/09/2023	17:11	LB128258
	Beryllium	6.00	+/-6.00	U	6.00	P	11/09/2023	17:11	LB128258
	Cadmium	6.00	+/-6.00	U	6.00	P	11/09/2023	17:11	LB128258

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: RMJ Environomics, Inc. **SDG No.:** O5252

Contract: RMJE02 **Lab Code:** CHEM **Case No.:** O5252 **SAS No.:** O5252

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Calcium	2000	+/-2000	U	2000	P	11/09/2023	17:11	LB128258
	Chromium	10.0	+/-10.0	U	10.0	P	11/09/2023	17:11	LB128258
	Cobalt	30.0	+/-30.0	U	30.0	P	11/09/2023	17:11	LB128258
	Copper	20.0	+/-20.0	U	20.0	P	11/09/2023	17:11	LB128258
	Iron	100	+/-100	U	100	P	11/09/2023	17:11	LB128258
	Lead	12.0	+/-12.0	U	12.0	P	11/09/2023	17:11	LB128258
	Magnesium	2000	+/-2000	U	2000	P	11/09/2023	17:11	LB128258
	Manganese	20.0	+/-20.0	U	20.0	P	11/09/2023	17:11	LB128258
	Nickel	40.0	+/-40.0	U	40.0	P	11/09/2023	17:11	LB128258
	Potassium	2000	+/-2000	U	2000	P	11/09/2023	17:11	LB128258
	Selenium	20.0	+/-20.0	U	20.0	P	11/09/2023	17:11	LB128258
	Silver	10.0	+/-10.0	U	10.0	P	11/09/2023	17:11	LB128258
	Sodium	2000	+/-2000	U	2000	P	11/09/2023	17:11	LB128258
	Thallium	40.0	+/-40.0	U	40.0	P	11/09/2023	17:11	LB128258
	Vanadium	40.0	+/-40.0	U	40.0	P	11/09/2023	17:11	LB128258
	Zinc	40.0	+/-40.0	U	40.0	P	11/09/2023	17:11	LB128258
CCB09	Aluminum	100	+/-100	U	100	P	11/09/2023	18:00	LB128258
	Antimony	50.0	+/-50.0	U	50.0	P	11/09/2023	18:00	LB128258
	Arsenic	20.0	+/-20.0	U	20.0	P	11/09/2023	18:00	LB128258
	Barium	100	+/-100	U	100	P	11/09/2023	18:00	LB128258
	Beryllium	6.00	+/-6.00	U	6.00	P	11/09/2023	18:00	LB128258
	Cadmium	6.00	+/-6.00	U	6.00	P	11/09/2023	18:00	LB128258
	Calcium	2000	+/-2000	U	2000	P	11/09/2023	18:00	LB128258
	Chromium	10.0	+/-10.0	U	10.0	P	11/09/2023	18:00	LB128258
	Cobalt	30.0	+/-30.0	U	30.0	P	11/09/2023	18:00	LB128258
	Copper	20.0	+/-20.0	U	20.0	P	11/09/2023	18:00	LB128258
	Iron	100	+/-100	U	100	P	11/09/2023	18:00	LB128258
	Lead	12.0	+/-12.0	U	12.0	P	11/09/2023	18:00	LB128258
	Magnesium	2000	+/-2000	U	2000	P	11/09/2023	18:00	LB128258
	Manganese	20.0	+/-20.0	U	20.0	P	11/09/2023	18:00	LB128258
	Nickel	40.0	+/-40.0	U	40.0	P	11/09/2023	18:00	LB128258
	Potassium	2000	+/-2000	U	2000	P	11/09/2023	18:00	LB128258
	Selenium	20.0	+/-20.0	U	20.0	P	11/09/2023	18:00	LB128258
	Silver	10.0	+/-10.0	U	10.0	P	11/09/2023	18:00	LB128258
	Sodium	2000	+/-2000	U	2000	P	11/09/2023	18:00	LB128258
	Thallium	40.0	+/-40.0	U	40.0	P	11/09/2023	18:00	LB128258
	Vanadium	40.0	+/-40.0	U	40.0	P	11/09/2023	18:00	LB128258
	Zinc	40.0	+/-40.0	U	40.0	P	11/09/2023	18:00	LB128258
CCB10	Aluminum	100	+/-100	U	100	P	11/09/2023	18:36	LB128258
	Antimony	50.0	+/-50.0	U	50.0	P	11/09/2023	18:36	LB128258

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: RMJ Environomics, Inc. **SDG No.:** O5252

Contract: RMJE02 **Lab Code:** CHEM **Case No.:** O5252 **SAS No.:** O5252

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB10	Arsenic	20.0	+/-20.0	U	20.0	P	11/09/2023	18:36	LB128258
	Barium	100	+/-100	U	100	P	11/09/2023	18:36	LB128258
	Beryllium	6.00	+/-6.00	U	6.00	P	11/09/2023	18:36	LB128258
	Cadmium	6.00	+/-6.00	U	6.00	P	11/09/2023	18:36	LB128258
	Calcium	2000	+/-2000	U	2000	P	11/09/2023	18:36	LB128258
	Chromium	10.0	+/-10.0	U	10.0	P	11/09/2023	18:36	LB128258
	Cobalt	30.0	+/-30.0	U	30.0	P	11/09/2023	18:36	LB128258
	Copper	20.0	+/-20.0	U	20.0	P	11/09/2023	18:36	LB128258
	Iron	100	+/-100	U	100	P	11/09/2023	18:36	LB128258
	Lead	12.0	+/-12.0	U	12.0	P	11/09/2023	18:36	LB128258
	Magnesium	2000	+/-2000	U	2000	P	11/09/2023	18:36	LB128258
	Manganese	20.0	+/-20.0	U	20.0	P	11/09/2023	18:36	LB128258
	Nickel	40.0	+/-40.0	U	40.0	P	11/09/2023	18:36	LB128258
	Potassium	2000	+/-2000	U	2000	P	11/09/2023	18:36	LB128258
	Selenium	20.0	+/-20.0	U	20.0	P	11/09/2023	18:36	LB128258
	Silver	10.0	+/-10.0	U	10.0	P	11/09/2023	18:36	LB128258
	Sodium	2000	+/-2000	U	2000	P	11/09/2023	18:36	LB128258
	Thallium	40.0	+/-40.0	U	40.0	P	11/09/2023	18:36	LB128258
	Vanadium	40.0	+/-40.0	U	40.0	P	11/09/2023	18:36	LB128258
	Zinc	40.0	+/-40.0	U	40.0	P	11/09/2023	18:36	LB128258
CCB11	Aluminum	100	+/-100	U	100	P	11/09/2023	19:09	LB128258
	Antimony	50.0	+/-50.0	U	50.0	P	11/09/2023	19:09	LB128258
	Arsenic	20.0	+/-20.0	U	20.0	P	11/09/2023	19:09	LB128258
	Barium	100	+/-100	U	100	P	11/09/2023	19:09	LB128258
	Beryllium	6.00	+/-6.00	U	6.00	P	11/09/2023	19:09	LB128258
	Cadmium	6.00	+/-6.00	U	6.00	P	11/09/2023	19:09	LB128258
	Calcium	2000	+/-2000	U	2000	P	11/09/2023	19:09	LB128258
	Chromium	10.0	+/-10.0	U	10.0	P	11/09/2023	19:09	LB128258
	Cobalt	30.0	+/-30.0	U	30.0	P	11/09/2023	19:09	LB128258
	Copper	20.0	+/-20.0	U	20.0	P	11/09/2023	19:09	LB128258
	Iron	100	+/-100	U	100	P	11/09/2023	19:09	LB128258
	Lead	12.0	+/-12.0	U	12.0	P	11/09/2023	19:09	LB128258
	Magnesium	2000	+/-2000	U	2000	P	11/09/2023	19:09	LB128258
	Manganese	20.0	+/-20.0	U	20.0	P	11/09/2023	19:09	LB128258
	Nickel	40.0	+/-40.0	U	40.0	P	11/09/2023	19:09	LB128258
	Potassium	2000	+/-2000	U	2000	P	11/09/2023	19:09	LB128258
	Selenium	20.0	+/-20.0	U	20.0	P	11/09/2023	19:09	LB128258
	Silver	10.0	+/-10.0	U	10.0	P	11/09/2023	19:09	LB128258
	Sodium	2000	+/-2000	U	2000	P	11/09/2023	19:09	LB128258
	Thallium	40.0	+/-40.0	U	40.0	P	11/09/2023	19:09	LB128258

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: RMJ Environomics, Inc. **SDG No.:** O5252

Contract: RMJE02 **Lab Code:** CHEM **Case No.:** O5252 **SAS No.:** O5252

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB11	Vanadium	40.0	+/-40.0	U	40.0	P	11/09/2023	19:09	LB128258
	Zinc	40.0	+/-40.0	U	40.0	P	11/09/2023	19:09	LB128258

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PREPARATION BLANK SUMMARY

Client: RMJ Environomics, Inc. **SDG No.:** O5252

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB156977BL		**SOLID**		**Batch Number:**	**PB156977**		**Prep Date:**	**11/07/2023**	
	Mercury	0.013	<0.013	U	0.013	CV	11/07/2023	16:28	LB128217

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Metals
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PREPARATION BLANK SUMMARY

Client: RMJ Environomics, Inc. **SDG No.:** O5252

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB156965BL		**SOLID**		**Batch Number:**	**PB156965**		**Prep Date:**	**11/07/2023**	
	Aluminum	4.72	<4.72	U	4.72	P	11/09/2023	11:52	LB128258
	Antimony	2.36	<2.36	U	2.36	P	11/09/2023	11:52	LB128258
	Arsenic	0.94	<0.94	U	0.94	P	11/09/2023	11:52	LB128258
	Barium	4.72	<4.72	U	4.72	P	11/09/2023	11:52	LB128258
	Beryllium	0.28	<0.28	U	0.28	P	11/09/2023	11:52	LB128258
	Cadmium	0.28	<0.28	U	0.28	P	11/09/2023	11:52	LB128258
	Calcium	94.3	<94.3	U	94.3	P	11/09/2023	11:52	LB128258
	Chromium	0.47	<0.47	U	0.47	P	11/09/2023	11:52	LB128258
	Cobalt	1.42	<1.42	U	1.42	P	11/09/2023	11:52	LB128258
	Copper	0.94	<0.94	U	0.94	P	11/09/2023	11:52	LB128258
	Iron	4.72	<4.72	U	4.72	P	11/09/2023	11:52	LB128258
	Lead	0.57	<0.57	U	0.57	P	11/09/2023	11:52	LB128258
	Magnesium	94.3	<94.3	U	94.3	P	11/09/2023	11:52	LB128258
	Manganese	0.94	<0.94	U	0.94	P	11/09/2023	11:52	LB128258
	Nickel	1.89	<1.89	U	1.89	P	11/09/2023	11:52	LB128258
	Potassium	94.3	<94.3	U	94.3	P	11/09/2023	11:52	LB128258
	Selenium	0.94	<0.94	U	0.94	P	11/09/2023	11:52	LB128258
	Silver	0.47	<0.47	U	0.47	P	11/09/2023	11:52	LB128258
	Sodium	94.3	<94.3	U	94.3	P	11/09/2023	11:52	LB128258
	Thallium	1.89	<1.89	U	1.89	P	11/09/2023	11:52	LB128258
	Vanadium	1.89	<1.89	U	1.89	P	11/09/2023	11:52	LB128258
	Zinc	1.89	<1.89	U	1.89	P	11/09/2023	11:52	LB128258

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METAL CALIBRATION DATA

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RMJ Environomics, Inc. **SDG No.:** O5252

Contract: RMJE02 **Lab Code:** CHEM **Case No.:** O5252 **SAS No.:** O5252

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
ICV61	Mercury	3.90	4.0	98	90 - 110	CV	11/07/2023	16:12	LB128217

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RMJ Environomics, Inc. **SDG No.:** O5252

Contract: RMJE02 **Lab Code:** CHEM **Case No.:** O5252 **SAS No.:** O5252

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
CCV74	Mercury	4.96	5.0	99	90 - 110	CV	11/07/2023	16:17	LB128217
CCV75	Mercury	4.95	5.0	99	90 - 110	CV	11/07/2023	16:44	LB128217
CCV76	Mercury	4.98	5.0	100	90 - 110	CV	11/07/2023	17:21	LB128217
CCV77	Mercury	4.93	5.0	99	90 - 110	CV	11/07/2023	17:34	LB128217

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RMJ Environomics, Inc. **SDG No.:** O5252

Contract: RMJE02 **Lab Code:** CHEM **Case No.:** O5252 **SAS No.:** O5252

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	2500	2500	100	90 - 110	P	11/09/2023	11:16	LB128258
	Antimony	1000	1000	100	90 - 110	P	11/09/2023	11:16	LB128258
	Arsenic	1070	1000	106	90 - 110	P	11/09/2023	11:16	LB128258
	Barium	479	520	92	90 - 110	P	11/09/2023	11:16	LB128258
	Beryllium	516	510	101	90 - 110	P	11/09/2023	11:16	LB128258
	Cadmium	521	510	102	90 - 110	P	11/09/2023	11:16	LB128258
	Calcium	9970	10000	100	90 - 110	P	11/09/2023	11:16	LB128258
	Chromium	518	520	100	90 - 110	P	11/09/2023	11:16	LB128258
	Cobalt	505	520	97	90 - 110	P	11/09/2023	11:16	LB128258
	Copper	522	510	102	90 - 110	P	11/09/2023	11:16	LB128258
	Iron	9860	10000	99	90 - 110	P	11/09/2023	11:16	LB128258
	Lead	1030	1000	103	90 - 110	P	11/09/2023	11:16	LB128258
	Magnesium	5880	6000	98	90 - 110	P	11/09/2023	11:16	LB128258
	Manganese	515	520	99	90 - 110	P	11/09/2023	11:16	LB128258
	Nickel	510	530	96	90 - 110	P	11/09/2023	11:16	LB128258
	Potassium	9900	9900	100	90 - 110	P	11/09/2023	11:16	LB128258
	Selenium	1080	1000	108	90 - 110	P	11/09/2023	11:16	LB128258
	Silver	255	250	102	90 - 110	P	11/09/2023	11:16	LB128258
	Sodium	9920	10000	99	90 - 110	P	11/09/2023	11:16	LB128258
	Thallium	1030	1000	103	90 - 110	P	11/09/2023	11:16	LB128258
	Vanadium	498	500	100	90 - 110	P	11/09/2023	11:16	LB128258
	Zinc	1010	1000	101	90 - 110	P	11/09/2023	11:16	LB128258

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RMJ Environomics, Inc. **SDG No.:** O5252

Contract: RMJE02 **Lab Code:** CHEM **Case No.:** O5252 **SAS No.:** O5252

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	94.5	100	94	80 - 120	P	11/09/2023	11:20	LB128258
	Antimony	49.6	50.0	99	80 - 120	P	11/09/2023	11:20	LB128258
	Arsenic	17.5	20.0	88	80 - 120	P	11/09/2023	11:20	LB128258
	Barium	93.3	100	93	80 - 120	P	11/09/2023	11:20	LB128258
	Beryllium	6.14	6.0	102	80 - 120	P	11/09/2023	11:20	LB128258
	Cadmium	6.23	6.0	104	80 - 120	P	11/09/2023	11:20	LB128258
	Calcium	1990	2000	99	80 - 120	P	11/09/2023	11:20	LB128258
	Chromium	9.32	10.0	93	80 - 120	P	11/09/2023	11:20	LB128258
	Cobalt	29.3	30.0	98	80 - 120	P	11/09/2023	11:20	LB128258
	Copper	21.1	20.0	106	80 - 120	P	11/09/2023	11:20	LB128258
	Iron	105	100	105	80 - 120	P	11/09/2023	11:20	LB128258
	Lead	13.5	12.0	112	80 - 120	P	11/09/2023	11:20	LB128258
	Magnesium	2120	2000	106	80 - 120	P	11/09/2023	11:20	LB128258
	Manganese	20.3	20.0	101	80 - 120	P	11/09/2023	11:20	LB128258
	Nickel	39.8	40.0	99	80 - 120	P	11/09/2023	11:20	LB128258
	Potassium	1950	2000	97	80 - 120	P	11/09/2023	11:20	LB128258
	Selenium	18.5	20.0	93	80 - 120	P	11/09/2023	11:20	LB128258
	Silver	9.77	10.0	98	80 - 120	P	11/09/2023	11:20	LB128258
	Sodium	2010	2000	100	80 - 120	P	11/09/2023	11:20	LB128258
	Thallium	40.8	40.0	102	80 - 120	P	11/09/2023	11:20	LB128258
	Vanadium	40.0	40.0	100	80 - 120	P	11/09/2023	11:20	LB128258
	Zinc	40.6	40.0	102	80 - 120	P	11/09/2023	11:20	LB128258

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RMJ Environomics, Inc. **SDG No.:** O5252

Contract: RMJE02 **Lab Code:** CHEM **Case No.:** O5252 **SAS No.:** O5252

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	9800	10000	98	90 - 110	P	11/09/2023	11:40	LB128258
	Antimony	4790	5000	96	90 - 110	P	11/09/2023	11:40	LB128258
	Arsenic	4840	5000	97	90 - 110	P	11/09/2023	11:40	LB128258
	Barium	9850	10000	98	90 - 110	P	11/09/2023	11:40	LB128258
	Beryllium	244	250	97	90 - 110	P	11/09/2023	11:40	LB128258
	Cadmium	2460	2500	98	90 - 110	P	11/09/2023	11:40	LB128258
	Calcium	24500	25000	98	90 - 110	P	11/09/2023	11:40	LB128258
	Chromium	973	1000	97	90 - 110	P	11/09/2023	11:40	LB128258
	Cobalt	2410	2500	96	90 - 110	P	11/09/2023	11:40	LB128258
	Copper	1210	1250	97	90 - 110	P	11/09/2023	11:40	LB128258
	Iron	4690	5000	94	90 - 110	P	11/09/2023	11:40	LB128258
	Lead	4940	5000	99	90 - 110	P	11/09/2023	11:40	LB128258
	Magnesium	24500	25000	98	90 - 110	P	11/09/2023	11:40	LB128258
	Manganese	2470	2500	99	90 - 110	P	11/09/2023	11:40	LB128258
	Nickel	2410	2500	96	90 - 110	P	11/09/2023	11:40	LB128258
	Potassium	23600	25000	94	90 - 110	P	11/09/2023	11:40	LB128258
	Selenium	4810	5000	96	90 - 110	P	11/09/2023	11:40	LB128258
	Silver	1190	1250	95	90 - 110	P	11/09/2023	11:40	LB128258
	Sodium	23500	25000	94	90 - 110	P	11/09/2023	11:40	LB128258
	Thallium	5130	5000	103	90 - 110	P	11/09/2023	11:40	LB128258
	Vanadium	2450	2500	98	90 - 110	P	11/09/2023	11:40	LB128258
	Zinc	2410	2500	96	90 - 110	P	11/09/2023	11:40	LB128258

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RMJ Environomics, Inc. **SDG No.:** O5252

Contract: RMJE02 **Lab Code:** CHEM **Case No.:** O5252 **SAS No.:** O5252

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
LLCCV01	Aluminum	83.4	100	83	80 - 120	P	11/09/2023	11:44	LB128258
	Antimony	48.1	50.0	96	80 - 120	P	11/09/2023	11:44	LB128258
	Arsenic	19.4	20.0	97	80 - 120	P	11/09/2023	11:44	LB128258
	Barium	90.8	100	91	80 - 120	P	11/09/2023	11:44	LB128258
	Beryllium	5.94	6.0	99	80 - 120	P	11/09/2023	11:44	LB128258
	Cadmium	6.25	6.0	104	80 - 120	P	11/09/2023	11:44	LB128258
	Calcium	1990	2000	100	80 - 120	P	11/09/2023	11:44	LB128258
	Chromium	9.41	10.0	94	80 - 120	P	11/09/2023	11:44	LB128258
	Cobalt	28.3	30.0	94	80 - 120	P	11/09/2023	11:44	LB128258
	Copper	21.3	20.0	106	80 - 120	P	11/09/2023	11:44	LB128258
	Iron	98.7	100	99	80 - 120	P	11/09/2023	11:44	LB128258
	Lead	12.0	12.0	100	80 - 120	P	11/09/2023	11:44	LB128258
	Magnesium	2100	2000	105	80 - 120	P	11/09/2023	11:44	LB128258
	Manganese	19.8	20.0	99	80 - 120	P	11/09/2023	11:44	LB128258
	Nickel	37.6	40.0	94	80 - 120	P	11/09/2023	11:44	LB128258
	Potassium	1870	2000	93	80 - 120	P	11/09/2023	11:44	LB128258
	Selenium	18.3	20.0	92	80 - 120	P	11/09/2023	11:44	LB128258
	Silver	9.34	10.0	93	80 - 120	P	11/09/2023	11:44	LB128258
	Sodium	1850	2000	93	80 - 120	P	11/09/2023	11:44	LB128258
	Thallium	36.2	40.0	91	80 - 120	P	11/09/2023	11:44	LB128258
	Vanadium	38.9	40.0	97	80 - 120	P	11/09/2023	11:44	LB128258
	Zinc	38.6	40.0	96	80 - 120	P	11/09/2023	11:44	LB128258

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RMJ Environomics, Inc. **SDG No.:** O5252

Contract: RMJE02 **Lab Code:** CHEM **Case No.:** O5252 **SAS No.:** O5252

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	Aluminum	9750	10000	98	90 - 110	P	11/09/2023	12:30	LB128258
	Antimony	4960	5000	99	90 - 110	P	11/09/2023	12:30	LB128258
	Arsenic	5070	5000	101	90 - 110	P	11/09/2023	12:30	LB128258
	Barium	9740	10000	97	90 - 110	P	11/09/2023	12:30	LB128258
	Beryllium	245	250	98	90 - 110	P	11/09/2023	12:30	LB128258
	Cadmium	2520	2500	101	90 - 110	P	11/09/2023	12:30	LB128258
	Calcium	24400	25000	98	90 - 110	P	11/09/2023	12:30	LB128258
	Chromium	981	1000	98	90 - 110	P	11/09/2023	12:30	LB128258
	Cobalt	2460	2500	98	90 - 110	P	11/09/2023	12:30	LB128258
	Copper	1240	1250	99	90 - 110	P	11/09/2023	12:30	LB128258
	Iron	4820	5000	96	90 - 110	P	11/09/2023	12:30	LB128258
	Lead	5050	5000	101	90 - 110	P	11/09/2023	12:30	LB128258
	Magnesium	24300	25000	97	90 - 110	P	11/09/2023	12:30	LB128258
	Manganese	2480	2500	99	90 - 110	P	11/09/2023	12:30	LB128258
	Nickel	2470	2500	99	90 - 110	P	11/09/2023	12:30	LB128258
	Potassium	24300	25000	97	90 - 110	P	11/09/2023	12:30	LB128258
	Selenium	5090	5000	102	90 - 110	P	11/09/2023	12:30	LB128258
	Silver	1220	1250	98	90 - 110	P	11/09/2023	12:30	LB128258
	Sodium	24300	25000	97	90 - 110	P	11/09/2023	12:30	LB128258
	Thallium	4570	5000	91	90 - 110	P	11/09/2023	12:30	LB128258
	Vanadium	2430	2500	97	90 - 110	P	11/09/2023	12:30	LB128258
	Zinc	2450	2500	98	90 - 110	P	11/09/2023	12:30	LB128258
CCV03	Aluminum	9830	10000	98	90 - 110	P	11/09/2023	12:57	LB128258
	Antimony	4990	5000	100	90 - 110	P	11/09/2023	12:57	LB128258
	Arsenic	5060	5000	101	90 - 110	P	11/09/2023	12:57	LB128258
	Barium	9800	10000	98	90 - 110	P	11/09/2023	12:57	LB128258
	Beryllium	244	250	98	90 - 110	P	11/09/2023	12:57	LB128258
	Cadmium	2530	2500	101	90 - 110	P	11/09/2023	12:57	LB128258
	Calcium	24400	25000	98	90 - 110	P	11/09/2023	12:57	LB128258
	Chromium	981	1000	98	90 - 110	P	11/09/2023	12:57	LB128258
	Cobalt	2480	2500	99	90 - 110	P	11/09/2023	12:57	LB128258
	Copper	1250	1250	100	90 - 110	P	11/09/2023	12:57	LB128258
	Iron	4860	5000	97	90 - 110	P	11/09/2023	12:57	LB128258
	Lead	5070	5000	101	90 - 110	P	11/09/2023	12:57	LB128258

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RMJ Environomics, Inc. **SDG No.:** O5252

Contract: RMJE02 **Lab Code:** CHEM **Case No.:** O5252 **SAS No.:** O5252

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
CCV03	Magnesium	24200	25000	97	90 - 110	P	11/09/2023	12:57	LB128258
	Manganese	2470	2500	99	90 - 110	P	11/09/2023	12:57	LB128258
	Nickel	2480	2500	99	90 - 110	P	11/09/2023	12:57	LB128258
	Potassium	24300	25000	97	90 - 110	P	11/09/2023	12:57	LB128258
	Selenium	5080	5000	102	90 - 110	P	11/09/2023	12:57	LB128258
	Silver	1220	1250	97	90 - 110	P	11/09/2023	12:57	LB128258
	Sodium	24300	25000	97	90 - 110	P	11/09/2023	12:57	LB128258
	Thallium	5030	5000	101	90 - 110	P	11/09/2023	12:57	LB128258
	Vanadium	2440	2500	98	90 - 110	P	11/09/2023	12:57	LB128258
	Zinc	2440	2500	98	90 - 110	P	11/09/2023	12:57	LB128258
CCV04	Aluminum	9830	10000	98	90 - 110	P	11/09/2023	14:00	LB128258
	Antimony	5070	5000	101	90 - 110	P	11/09/2023	14:00	LB128258
	Arsenic	5200	5000	104	90 - 110	P	11/09/2023	14:00	LB128258
	Barium	9750	10000	98	90 - 110	P	11/09/2023	14:00	LB128258
	Beryllium	250	250	100	90 - 110	P	11/09/2023	14:00	LB128258
	Cadmium	2560	2500	102	90 - 110	P	11/09/2023	14:00	LB128258
	Calcium	24400	25000	97	90 - 110	P	11/09/2023	14:00	LB128258
	Chromium	997	1000	100	90 - 110	P	11/09/2023	14:00	LB128258
	Cobalt	2490	2500	100	90 - 110	P	11/09/2023	14:00	LB128258
	Copper	1260	1250	101	90 - 110	P	11/09/2023	14:00	LB128258
	Iron	4980	5000	100	90 - 110	P	11/09/2023	14:00	LB128258
	Lead	5110	5000	102	90 - 110	P	11/09/2023	14:00	LB128258
	Magnesium	24200	25000	97	90 - 110	P	11/09/2023	14:00	LB128258
	Manganese	2460	2500	98	90 - 110	P	11/09/2023	14:00	LB128258
	Nickel	2500	2500	100	90 - 110	P	11/09/2023	14:00	LB128258
	Potassium	25000	25000	100	90 - 110	P	11/09/2023	14:00	LB128258
	Selenium	5290	5000	106	90 - 110	P	11/09/2023	14:00	LB128258
	Silver	1250	1250	100	90 - 110	P	11/09/2023	14:00	LB128258
	Sodium	25000	25000	100	90 - 110	P	11/09/2023	14:00	LB128258
	Thallium	5170	5000	103	90 - 110	P	11/09/2023	14:00	LB128258
	Vanadium	2430	2500	97	90 - 110	P	11/09/2023	14:00	LB128258
	Zinc	2500	2500	100	90 - 110	P	11/09/2023	14:00	LB128258
CCV05	Aluminum	9770	10000	98	90 - 110	P	11/09/2023	14:46	LB128258
	Antimony	4870	5000	97	90 - 110	P	11/09/2023	14:46	LB128258

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RMJ Environomics, Inc. **SDG No.:** O5252

Contract: RMJE02 **Lab Code:** CHEM **Case No.:** O5252 **SAS No.:** O5252

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	Arsenic	4930	5000	99	90 - 110	P	11/09/2023	14:46	LB128258
	Barium	9760	10000	98	90 - 110	P	11/09/2023	14:46	LB128258
	Beryllium	240	250	96	90 - 110	P	11/09/2023	14:46	LB128258
	Cadmium	2480	2500	99	90 - 110	P	11/09/2023	14:46	LB128258
	Calcium	24400	25000	98	90 - 110	P	11/09/2023	14:46	LB128258
	Chromium	981	1000	98	90 - 110	P	11/09/2023	14:46	LB128258
	Cobalt	2450	2500	98	90 - 110	P	11/09/2023	14:46	LB128258
	Copper	1230	1250	98	90 - 110	P	11/09/2023	14:46	LB128258
	Iron	4870	5000	97	90 - 110	P	11/09/2023	14:46	LB128258
	Lead	4970	5000	99	90 - 110	P	11/09/2023	14:46	LB128258
	Magnesium	24000	25000	96	90 - 110	P	11/09/2023	14:46	LB128258
	Manganese	2460	2500	98	90 - 110	P	11/09/2023	14:46	LB128258
	Nickel	2440	2500	98	90 - 110	P	11/09/2023	14:46	LB128258
	Potassium	24500	25000	98	90 - 110	P	11/09/2023	14:46	LB128258
	Selenium	4920	5000	98	90 - 110	P	11/09/2023	14:46	LB128258
	Silver	1220	1250	97	90 - 110	P	11/09/2023	14:46	LB128258
	Sodium	24400	25000	98	90 - 110	P	11/09/2023	14:46	LB128258
	Thallium	5050	5000	101	90 - 110	P	11/09/2023	14:46	LB128258
	Vanadium	2430	2500	97	90 - 110	P	11/09/2023	14:46	LB128258
	Zinc	2420	2500	97	90 - 110	P	11/09/2023	14:46	LB128258
CCV06	Aluminum	9700	10000	97	90 - 110	P	11/09/2023	15:33	LB128258
	Antimony	5070	5000	101	90 - 110	P	11/09/2023	15:33	LB128258
	Arsenic	5220	5000	104	90 - 110	P	11/09/2023	15:33	LB128258
	Barium	9630	10000	96	90 - 110	P	11/09/2023	15:33	LB128258
	Beryllium	241	250	96	90 - 110	P	11/09/2023	15:33	LB128258
	Cadmium	2540	2500	102	90 - 110	P	11/09/2023	15:33	LB128258
	Calcium	24200	25000	97	90 - 110	P	11/09/2023	15:33	LB128258
	Chromium	994	1000	99	90 - 110	P	11/09/2023	15:33	LB128258
	Cobalt	2490	2500	100	90 - 110	P	11/09/2023	15:33	LB128258
	Copper	1260	1250	101	90 - 110	P	11/09/2023	15:33	LB128258
	Iron	5040	5000	101	90 - 110	P	11/09/2023	15:33	LB128258
	Lead	5060	5000	101	90 - 110	P	11/09/2023	15:33	LB128258
	Magnesium	23700	25000	95	90 - 110	P	11/09/2023	15:33	LB128258
	Manganese	2450	2500	98	90 - 110	P	11/09/2023	15:33	LB128258

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RMJ Environomics, Inc. **SDG No.:** O5252

Contract: RMJE02 **Lab Code:** CHEM **Case No.:** O5252 **SAS No.:** O5252

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
CCV06	Nickel	2490	2500	100	90 - 110	P	11/09/2023	15:33	LB128258
	Potassium	26200	25000	105	90 - 110	P	11/09/2023	15:33	LB128258
	Selenium	5290	5000	106	90 - 110	P	11/09/2023	15:33	LB128258
	Silver	1260	1250	101	90 - 110	P	11/09/2023	15:33	LB128258
	Sodium	26700	25000	107	90 - 110	P	11/09/2023	15:33	LB128258
	Thallium	5090	5000	102	90 - 110	P	11/09/2023	15:33	LB128258
	Vanadium	2390	2500	96	90 - 110	P	11/09/2023	15:33	LB128258
	Zinc	2510	2500	100	90 - 110	P	11/09/2023	15:33	LB128258
CCV07	Aluminum	9940	10000	99	90 - 110	P	11/09/2023	16:19	LB128258
	Antimony	5030	5000	101	90 - 110	P	11/09/2023	16:19	LB128258
	Arsenic	5150	5000	103	90 - 110	P	11/09/2023	16:19	LB128258
	Barium	9780	10000	98	90 - 110	P	11/09/2023	16:19	LB128258
	Beryllium	247	250	99	90 - 110	P	11/09/2023	16:19	LB128258
	Cadmium	2530	2500	101	90 - 110	P	11/09/2023	16:19	LB128258
	Calcium	24700	25000	99	90 - 110	P	11/09/2023	16:19	LB128258
	Chromium	1010	1000	101	90 - 110	P	11/09/2023	16:19	LB128258
	Cobalt	2480	2500	99	90 - 110	P	11/09/2023	16:19	LB128258
	Copper	1260	1250	100	90 - 110	P	11/09/2023	16:19	LB128258
	Iron	5090	5000	102	90 - 110	P	11/09/2023	16:19	LB128258
	Lead	5030	5000	101	90 - 110	P	11/09/2023	16:19	LB128258
	Magnesium	24100	25000	96	90 - 110	P	11/09/2023	16:19	LB128258
	Manganese	2490	2500	100	90 - 110	P	11/09/2023	16:19	LB128258
	Nickel	2470	2500	99	90 - 110	P	11/09/2023	16:19	LB128258
	Potassium	25800	25000	103	90 - 110	P	11/09/2023	16:19	LB128258
	Selenium	5230	5000	105	90 - 110	P	11/09/2023	16:19	LB128258
	Silver	1280	1250	102	90 - 110	P	11/09/2023	16:19	LB128258
	Sodium	26000	25000	104	90 - 110	P	11/09/2023	16:19	LB128258
	Thallium	5190	5000	104	90 - 110	P	11/09/2023	16:19	LB128258
	Vanadium	2430	2500	97	90 - 110	P	11/09/2023	16:19	LB128258
	Zinc	2560	2500	102	90 - 110	P	11/09/2023	16:19	LB128258
CCV08	Aluminum	9760	10000	98	90 - 110	P	11/09/2023	17:07	LB128258
	Antimony	4810	5000	96	90 - 110	P	11/09/2023	17:07	LB128258
	Arsenic	4860	5000	97	90 - 110	P	11/09/2023	17:07	LB128258
	Barium	9600	10000	96	90 - 110	P	11/09/2023	17:07	LB128258

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RMJ Environomics, Inc. **SDG No.:** O5252

Contract: RMJE02 **Lab Code:** CHEM **Case No.:** O5252 **SAS No.:** O5252

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
CCV08	Beryllium	238	250	95	90 - 110	P	11/09/2023	17:07	LB128258
	Cadmium	2430	2500	97	90 - 110	P	11/09/2023	17:07	LB128258
	Calcium	24300	25000	97	90 - 110	P	11/09/2023	17:07	LB128258
	Chromium	971	1000	97	90 - 110	P	11/09/2023	17:07	LB128258
	Cobalt	2410	2500	96	90 - 110	P	11/09/2023	17:07	LB128258
	Copper	1220	1250	98	90 - 110	P	11/09/2023	17:07	LB128258
	Iron	4790	5000	96	90 - 110	P	11/09/2023	17:07	LB128258
	Lead	4860	5000	97	90 - 110	P	11/09/2023	17:07	LB128258
	Magnesium	23700	25000	95	90 - 110	P	11/09/2023	17:07	LB128258
	Manganese	2450	2500	98	90 - 110	P	11/09/2023	17:07	LB128258
	Nickel	2390	2500	96	90 - 110	P	11/09/2023	17:07	LB128258
	Potassium	24400	25000	98	90 - 110	P	11/09/2023	17:07	LB128258
	Selenium	4870	5000	97	90 - 110	P	11/09/2023	17:07	LB128258
	Silver	1210	1250	96	90 - 110	P	11/09/2023	17:07	LB128258
	Sodium	24400	25000	98	90 - 110	P	11/09/2023	17:07	LB128258
	Thallium	4920	5000	98	90 - 110	P	11/09/2023	17:07	LB128258
	Vanadium	2400	2500	96	90 - 110	P	11/09/2023	17:07	LB128258
	Zinc	2400	2500	96	90 - 110	P	11/09/2023	17:07	LB128258
CCV09	Aluminum	9760	10000	98	90 - 110	P	11/09/2023	17:56	LB128258
	Antimony	4950	5000	99	90 - 110	P	11/09/2023	17:56	LB128258
	Arsenic	5090	5000	102	90 - 110	P	11/09/2023	17:56	LB128258
	Barium	9560	10000	96	90 - 110	P	11/09/2023	17:56	LB128258
	Beryllium	245	250	98	90 - 110	P	11/09/2023	17:56	LB128258
	Cadmium	2500	2500	100	90 - 110	P	11/09/2023	17:56	LB128258
	Calcium	24300	25000	97	90 - 110	P	11/09/2023	17:56	LB128258
	Chromium	986	1000	99	90 - 110	P	11/09/2023	17:56	LB128258
	Cobalt	2470	2500	99	90 - 110	P	11/09/2023	17:56	LB128258
	Copper	1250	1250	100	90 - 110	P	11/09/2023	17:56	LB128258
	Iron	4900	5000	98	90 - 110	P	11/09/2023	17:56	LB128258
	Lead	4980	5000	100	90 - 110	P	11/09/2023	17:56	LB128258
	Magnesium	23800	25000	95	90 - 110	P	11/09/2023	17:56	LB128258
	Manganese	2450	2500	98	90 - 110	P	11/09/2023	17:56	LB128258
	Nickel	2450	2500	98	90 - 110	P	11/09/2023	17:56	LB128258
	Potassium	25000	25000	100	90 - 110	P	11/09/2023	17:56	LB128258

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RMJ Environomics, Inc. **SDG No.:** O5252

Contract: RMJE02 **Lab Code:** CHEM **Case No.:** O5252 **SAS No.:** O5252

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
CCV09	Selenium	5110	5000	102	90 - 110	P	11/09/2023	17:56	LB128258
	Silver	1240	1250	99	90 - 110	P	11/09/2023	17:56	LB128258
	Sodium	25100	25000	101	90 - 110	P	11/09/2023	17:56	LB128258
	Thallium	4890	5000	98	90 - 110	P	11/09/2023	17:56	LB128258
	Vanadium	2390	2500	96	90 - 110	P	11/09/2023	17:56	LB128258
	Zinc	2470	2500	99	90 - 110	P	11/09/2023	17:56	LB128258
CCV10	Aluminum	9710	10000	97	90 - 110	P	11/09/2023	18:32	LB128258
	Antimony	4740	5000	95	90 - 110	P	11/09/2023	18:32	LB128258
	Arsenic	4800	5000	96	90 - 110	P	11/09/2023	18:32	LB128258
	Barium	9530	10000	95	90 - 110	P	11/09/2023	18:32	LB128258
	Beryllium	244	250	98	90 - 110	P	11/09/2023	18:32	LB128258
	Cadmium	2420	2500	97	90 - 110	P	11/09/2023	18:32	LB128258
	Calcium	24100	25000	96	90 - 110	P	11/09/2023	18:32	LB128258
	Chromium	958	1000	96	90 - 110	P	11/09/2023	18:32	LB128258
	Cobalt	2400	2500	96	90 - 110	P	11/09/2023	18:32	LB128258
	Copper	1200	1250	96	90 - 110	P	11/09/2023	18:32	LB128258
	Iron	4560	5000	91	90 - 110	P	11/09/2023	18:32	LB128258
	Lead	4860	5000	97	90 - 110	P	11/09/2023	18:32	LB128258
	Magnesium	23800	25000	95	90 - 110	P	11/09/2023	18:32	LB128258
	Manganese	2440	2500	98	90 - 110	P	11/09/2023	18:32	LB128258
	Nickel	2380	2500	95	90 - 110	P	11/09/2023	18:32	LB128258
	Potassium	23400	25000	94	90 - 110	P	11/09/2023	18:32	LB128258
	Selenium	4780	5000	96	90 - 110	P	11/09/2023	18:32	LB128258
	Silver	1180	1250	95	90 - 110	P	11/09/2023	18:32	LB128258
	Sodium	23200	25000	93	90 - 110	P	11/09/2023	18:32	LB128258
	Thallium	4900	5000	98	90 - 110	P	11/09/2023	18:32	LB128258
	Vanadium	2380	2500	95	90 - 110	P	11/09/2023	18:32	LB128258
	Zinc	2370	2500	95	90 - 110	P	11/09/2023	18:32	LB128258
CCV11	Aluminum	9620	10000	96	90 - 110	P	11/09/2023	19:05	LB128258
	Antimony	4900	5000	98	90 - 110	P	11/09/2023	19:05	LB128258
	Arsenic	5010	5000	100	90 - 110	P	11/09/2023	19:05	LB128258
	Barium	9490	10000	95	90 - 110	P	11/09/2023	19:05	LB128258
	Beryllium	244	250	98	90 - 110	P	11/09/2023	19:05	LB128258
	Cadmium	2480	2500	99	90 - 110	P	11/09/2023	19:05	LB128258

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RMJ Environomics, Inc. **SDG No.:** O5252

Contract: RMJE02 **Lab Code:** CHEM **Case No.:** O5252 **SAS No.:** O5252

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
CCV11	Calcium	23900	25000	96	90 - 110	P	11/09/2023	19:05	LB128258
	Chromium	974	1000	97	90 - 110	P	11/09/2023	19:05	LB128258
	Cobalt	2420	2500	97	90 - 110	P	11/09/2023	19:05	LB128258
	Copper	1230	1250	98	90 - 110	P	11/09/2023	19:05	LB128258
	Iron	4850	5000	97	90 - 110	P	11/09/2023	19:05	LB128258
	Lead	4960	5000	99	90 - 110	P	11/09/2023	19:05	LB128258
	Magnesium	23700	25000	95	90 - 110	P	11/09/2023	19:05	LB128258
	Manganese	2430	2500	97	90 - 110	P	11/09/2023	19:05	LB128258
	Nickel	2420	2500	97	90 - 110	P	11/09/2023	19:05	LB128258
	Potassium	24500	25000	98	90 - 110	P	11/09/2023	19:05	LB128258
	Selenium	5070	5000	102	90 - 110	P	11/09/2023	19:05	LB128258
	Silver	1230	1250	98	90 - 110	P	11/09/2023	19:05	LB128258
	Sodium	24600	25000	98	90 - 110	P	11/09/2023	19:05	LB128258
	Thallium	4920	5000	98	90 - 110	P	11/09/2023	19:05	LB128258
	Vanadium	2370	2500	95	90 - 110	P	11/09/2023	19:05	LB128258
	Zinc	2410	2500	96	90 - 110	P	11/09/2023	19:05	LB128258

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Metals

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CRDL STANDARD FOR AA & ICP

Client: RMJ Environomics, Inc. **SDG No.:** O5252

Contract: RMJE02 **Lab Code:** CHEM **Case No.:** O5252 **SAS No.:** O5252

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	0.17	0.2	83	40 - 160	CV	11/07/2023	16:21	LB128217
CRI01	Aluminum	96.1	100	96	40 - 160	P	11/09/2023	11:28	LB128258
	Antimony	50.2	50.0	100	40 - 160	P	11/09/2023	11:28	LB128258
	Arsenic	23.5	20.0	117	40 - 160	P	11/09/2023	11:28	LB128258
	Barium	91.2	100	91	40 - 160	P	11/09/2023	11:28	LB128258
	Beryllium	5.95	6.0	99	40 - 160	P	11/09/2023	11:28	LB128258
	Cadmium	6.35	6.0	106	40 - 160	P	11/09/2023	11:28	LB128258
	Calcium	1970	2000	99	40 - 160	P	11/09/2023	11:28	LB128258
	Chromium	9.44	10.0	94	40 - 160	P	11/09/2023	11:28	LB128258
	Cobalt	28.9	30.0	96	40 - 160	P	11/09/2023	11:28	LB128258
	Copper	21.3	20.0	106	40 - 160	P	11/09/2023	11:28	LB128258
	Iron	97.1	100	97	40 - 160	P	11/09/2023	11:28	LB128258
	Lead	11.9	12.0	99	40 - 160	P	11/09/2023	11:28	LB128258
	Magnesium	2110	2000	106	40 - 160	P	11/09/2023	11:28	LB128258
	Manganese	19.8	20.0	99	40 - 160	P	11/09/2023	11:28	LB128258
	Nickel	39.6	40.0	99	40 - 160	P	11/09/2023	11:28	LB128258
	Potassium	2000	2000	100	40 - 160	P	11/09/2023	11:28	LB128258
	Selenium	21.8	20.0	109	40 - 160	P	11/09/2023	11:28	LB128258
	Silver	9.54	10.0	95	40 - 160	P	11/09/2023	11:28	LB128258
	Sodium	2000	2000	100	40 - 160	P	11/09/2023	11:28	LB128258
	Thallium	30.6	40.0	77	40 - 160	P	11/09/2023	11:28	LB128258
	Vanadium	38.9	40.0	97	40 - 160	P	11/09/2023	11:28	LB128258
	Zinc	40.7	40.0	102	40 - 160	P	11/09/2023	11:28	LB128258

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Metals
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INTERFERENCE CHECK SAMPLE

Client: RMJ Environomics, Inc. **SDG No.:** O5252

Contract: RMJE02 **Lab Code:** CHEM **Case No.:** O5252 **SAS No.:** O5252

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	255000	255000	100	216000	294000	11/09/2023	11:32	LB128258
	Antimony	2.59			-50	50	11/09/2023	11:32	LB128258
	Arsenic	-8.50			-20	20	11/09/2023	11:32	LB128258
	Barium	8.01	6.0	134	-94	106	11/09/2023	11:32	LB128258
	Beryllium	0.95			-6	6	11/09/2023	11:32	LB128258
	Cadmium	2.48	1.0	248	-5	7	11/09/2023	11:32	LB128258
	Calcium	247000	245000	101	208000	282000	11/09/2023	11:32	LB128258
	Chromium	56.7	52.0	109	42	62	11/09/2023	11:32	LB128258
	Cobalt	0.28			-30	30	11/09/2023	11:32	LB128258
	Copper	21.9	2.0	1095	-18	22	11/09/2023	11:32	LB128258
	Iron	99900	101000	99	85600	116500	11/09/2023	11:32	LB128258
	Lead	-0.43			-12	12	11/09/2023	11:32	LB128258
	Magnesium	252000	255000	99	216000	294000	11/09/2023	11:32	LB128258
	Manganese	20.4	7.0	291	-13	27	11/09/2023	11:32	LB128258
	Nickel	3.62	2.0	181	-38	42	11/09/2023	11:32	LB128258
	Potassium	-237			0	0	11/09/2023	11:32	LB128258
	Selenium	-8.44			-20	20	11/09/2023	11:32	LB128258
	Silver	-3.77			-10	10	11/09/2023	11:32	LB128258
	Sodium	2.92			0	0	11/09/2023	11:32	LB128258
	Thallium	2.78			-40	40	11/09/2023	11:32	LB128258
	Vanadium	4.73			-40	40	11/09/2023	11:32	LB128258
	Zinc	1.57			-40	40	11/09/2023	11:32	LB128258
ICSAB01	Aluminum	251000	247000	102	209000	285000	11/09/2023	11:36	LB128258
	Antimony	611	618	99	525	711	11/09/2023	11:36	LB128258
	Arsenic	103	104	99	88.4	120	11/09/2023	11:36	LB128258
	Barium	499	537	93	437	637	11/09/2023	11:36	LB128258
	Beryllium	506	495	102	420	570	11/09/2023	11:36	LB128258
	Cadmium	1040	972	107	826	1120	11/09/2023	11:36	LB128258
	Calcium	246000	235000	105	199000	271000	11/09/2023	11:36	LB128258
	Chromium	565	542	104	460	624	11/09/2023	11:36	LB128258
	Cobalt	508	476	107	404	548	11/09/2023	11:36	LB128258
	Copper	516	511	101	434	588	11/09/2023	11:36	LB128258
	Iron	99100	99300	100	84400	114500	11/09/2023	11:36	LB128258
	Lead	50.0	49.0	102	37	61	11/09/2023	11:36	LB128258
	Magnesium	250000	248000	101	210000	286000	11/09/2023	11:36	LB128258
	Manganese	523	507	103	430	584	11/09/2023	11:36	LB128258
	Nickel	1010	954	106	810	1100	11/09/2023	11:36	LB128258
	Potassium	-151			0	0	11/09/2023	11:36	LB128258
	Selenium	46.6	46.0	101	26	66	11/09/2023	11:36	LB128258
	Silver	203	201	101	170	232	11/09/2023	11:36	LB128258
	Sodium	17.7			0	0	11/09/2023	11:36	LB128258
	Thallium	108	108	100	68	148	11/09/2023	11:36	LB128258
	Vanadium	504	491	103	417	565	11/09/2023	11:36	LB128258
	Zinc	1030	952	108	809	1095	11/09/2023	11:36	LB128258

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METAL QC DATA

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metals
- 5a -
MATRIX SPIKE SUMMARY

client: RMJ Environomics, Inc. **level:** low **sdg no.:** O5252

contract: RMJE02 **lab code:** CHEM **case no.:** O5252 **sas no.:** O5252

matrix: Solid **sample id:** O5257-05 **client id:** WC-2MS

Percent Solids for Sample: 91.4 **Spiked ID:** O5257-05MS **Percent Solids for Spike Sample:** 91.4

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.45		0.10		0.29	118		CV

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: RMJ Environomics, Inc. **level:** low **sdg no.:** O5252

contract: RMJE02 **lab code:** CHEM **case no.:** O5252 **sas no.:** O5252

matrix: Solid **sample id:** O5257-05 **client id:** WC-2MSD

Percent Solids for Sample: 91.4 **Spiked ID:** O5257-05MSD **Percent Solids for Spike Sample:** 91.4

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.38		0.10		0.29	94		CV

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metals
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MATRIX SPIKE SUMMARY

client: RMJ Environomics, Inc. **level:** low **sdg no.:** O5252

contract: RMJE02 **lab code:** CHEM **case no.:** O5252 **sas no.:** O5252

matrix: Solid **sample id:** O5270-01 **client id:** OR-3-110623MS

Percent Solids for Sample: 92.7 **Spiked ID:** O5270-01MS **Percent Solids for Spike Sample:** 92.7

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	5680		5340		89.5	377		P
Antimony	mg/Kg	75 - 125	33.4		4.48		35.8	81		P
Arsenic	mg/Kg	75 - 125	31.6		0.23	J	35.8	88		P
Barium	mg/Kg	75 - 125	33.9		25.5		9.0	94		P
Beryllium	mg/Kg	75 - 125	7.49		0.30		9.0	80		P
Cadmium	mg/Kg	75 - 125	9.52		0.43		9.0	101		P
Calcium	mg/Kg	75 - 125	3050		2760		44.8	638		P
Chromium	mg/Kg	75 - 125	26.3		11.5		17.9	82		P
Cobalt	mg/Kg	75 - 125	18.1		8.70		9.0	105		P
Copper	mg/Kg	75 - 125	46.6		34.5		13.4	90		P
Iron	mg/Kg	75 - 125	12500		11400		130	842		P
Lead	mg/Kg	75 - 125	66.6		20.3		44.8	103		P
Magnesium	mg/Kg	75 - 125	3390		3150		89.5	265		P
Manganese	mg/Kg	75 - 125	154		140		9.0	155		P
Nickel	mg/Kg	75 - 125	36.3		13.5		22.4	102		P
Potassium	mg/Kg	75 - 125	1780		1300		450	107		P
Selenium	mg/Kg	75 - 125	74.0		0.87	U	89.5	83		P
Silver	mg/Kg	75 - 125	2.44		0.43	U	3.4	72	N	P
Sodium	mg/Kg	75 - 125	441		307		130	104		P
Thallium	mg/Kg	75 - 125	78.2		1.73	U	89.5	87		P
Vanadium	mg/Kg	75 - 125	28.7		17.1		13.4	87		P
Zinc	mg/Kg	75 - 125	96.8		85.3		9.0	128		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: RMJ Environomics, Inc. **level:** low **sdg no.:** O5252

contract: RMJE02 **lab code:** CHEM **case no.:** O5252 **sas no.:** O5252

matrix: Solid **sample id:** O5270-01 **client id:** OR-3-110623MSD

Percent Solids for Sample: 92.7 **Spiked ID:** O5270-01MSD **Percent Solids for Spike Sample:** 92.7

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	5730		5340		89.2	435		P
Antimony	mg/Kg	75 - 125	33.9		4.48		35.7	83		P
Arsenic	mg/Kg	75 - 125	32.0		0.23	J	35.7	89		P
Barium	mg/Kg	75 - 125	34.2		25.5		8.9	98		P
Beryllium	mg/Kg	75 - 125	7.63		0.30		8.9	82		P
Cadmium	mg/Kg	75 - 125	9.71		0.43		8.9	104		P
Calcium	mg/Kg	75 - 125	3090		2760		44.6	741		P
Chromium	mg/Kg	75 - 125	26.5		11.5		17.8	84		P
Cobalt	mg/Kg	75 - 125	18.3		8.70		8.9	108		P
Copper	mg/Kg	75 - 125	46.7		34.5		13.4	91		P
Iron	mg/Kg	75 - 125	12600		11400		130	945		P
Lead	mg/Kg	75 - 125	67.4		20.3		44.6	106		P
Magnesium	mg/Kg	75 - 125	3400		3150		89.2	279		P
Manganese	mg/Kg	75 - 125	155		140		8.9	168		P
Nickel	mg/Kg	75 - 125	36.7		13.5		22.3	104		P
Potassium	mg/Kg	75 - 125	1800		1300		450	111		P
Selenium	mg/Kg	75 - 125	76.1		0.87	U	89.2	85		P
Silver	mg/Kg	75 - 125	2.50		0.43	U	3.3	76		P
Sodium	mg/Kg	75 - 125	448		307		130	108		P
Thallium	mg/Kg	75 - 125	90.8		1.73	U	89.2	102		P
Vanadium	mg/Kg	75 - 125	29.0		17.1		13.4	89		P
Zinc	mg/Kg	75 - 125	97.1		85.3		8.9	132		P

CHEMTECH

Metals
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POST DIGEST SPIKE SUMMARY

Client: RMJ Environomics, Inc. **SDG No.:** O5252

Contract: RMJE02 **Lab Code:** CHEM **Case No.:** O5252 **SAS No.:** O5252

Matrix: Solid **Level:** LOW **Client ID:** OR-3-110623A

Sample ID: O5270-01 **Spiked ID:** O5270-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Silver	mg/Kg	75 - 125	2.11		0.43	U	3.20	66		P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: RMJ Environomics, Inc. **Level:** LOW **SDG No.:** O5252

Contract: RMJE02 **Lab Code:** CHEM **Case No.:** O5252 **SAS No.:** O5252

Matrix: Solid **Sample ID:** O5257-05 **Client ID:** WC-2DUP

Percent Solids for Sample: 91.4 **Duplicate ID** O5257-05DUP **Percent Solids for Spike Sample:** 91.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.10		0.084		21	*	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: RMJ Environomics, Inc. **Level:** LOW **SDG No.:** O5252

Contract: RMJE02 **Lab Code:** CHEM **Case No.:** O5252 **SAS No.:** O5252

Matrix: Solid **Sample ID:** O5257-05MS **Client ID:** WC-2MSD

Percent Solids for Sample: 91.4 **Duplicate ID** O5257-05MSD **Percent Solids for Spike Sample:** 91.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.45		0.38		17		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: RMJ Environomics, Inc. **Level:** LOW **SDG No.:** O5252

Contract: RMJE02 **Lab Code:** CHEM **Case No.:** O5252 **SAS No.:** O5252

Matrix: Solid **Sample ID:** O5270-01 **Client ID:** OR-3-110623DUP

Percent Solids for Sample: 92.7 **Duplicate ID** O5270-01DUP **Percent Solids for Spike Sample:** 92.7

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	5340		5450		2		P
Antimony	mg/Kg	20	4.48		4.52		1		P
Arsenic	mg/Kg	20	0.23	J	0.26	J	11		P
Barium	mg/Kg	20	25.5		26.0		2		P
Beryllium	mg/Kg	20	0.30		0.32		4		P
Cadmium	mg/Kg	20	0.43		0.44		4		P
Calcium	mg/Kg	20	2760		2850		3		P
Chromium	mg/Kg	20	11.5		11.6		1		P
Cobalt	mg/Kg	20	8.70		8.86		2		P
Copper	mg/Kg	20	34.5		35.0		1		P
Iron	mg/Kg	20	11400		11700		3		P
Lead	mg/Kg	20	20.3		20.7		2		P
Magnesium	mg/Kg	20	3150		3210		2		P
Manganese	mg/Kg	20	140		143		2		P
Nickel	mg/Kg	20	13.5		13.8		2		P
Potassium	mg/Kg	20	1300		1340		3		P
Selenium	mg/Kg	20	0.87	U	0.87	U			P
Silver	mg/Kg	20	0.43	U	0.44	U			P
Sodium	mg/Kg	20	307		315		3		P
Thallium	mg/Kg	20	1.73	U	1.74	U			P
Vanadium	mg/Kg	20	17.1		17.5		2		P
Zinc	mg/Kg	20	85.3		87.0		2		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: RMJ Environomics, Inc. **Level:** LOW **SDG No.:** O5252

Contract: RMJE02 **Lab Code:** CHEM **Case No.:** O5252 **SAS No.:** O5252

Matrix: Solid **Sample ID:** O5270-01MS **Client ID:** OR-3-110623MSD

Percent Solids for Sample: 92.7 **Duplicate ID** O5270-01MSD **Percent Solids for Spike Sample:** 92.7

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	5680		5730		1		P
Antimony	mg/Kg	20	33.4		33.9		1		P
Arsenic	mg/Kg	20	31.6		32.0		1		P
Barium	mg/Kg	20	33.9		34.2		1		P
Beryllium	mg/Kg	20	7.49		7.63		2		P
Cadmium	mg/Kg	20	9.52		9.71		2		P
Calcium	mg/Kg	20	3050		3090		1		P
Chromium	mg/Kg	20	26.3		26.5		1		P
Cobalt	mg/Kg	20	18.1		18.3		1		P
Copper	mg/Kg	20	46.6		46.7		0		P
Iron	mg/Kg	20	12500		12600		1		P
Lead	mg/Kg	20	66.6		67.4		1		P
Magnesium	mg/Kg	20	3390		3400		0		P
Manganese	mg/Kg	20	154		155		1		P
Nickel	mg/Kg	20	36.3		36.7		1		P
Potassium	mg/Kg	20	1780		1800		1		P
Selenium	mg/Kg	20	74.0		76.1		3		P
Silver	mg/Kg	20	2.44		2.50		2		P
Sodium	mg/Kg	20	441		448		2		P
Thallium	mg/Kg	20	78.2		90.8		15		P
Vanadium	mg/Kg	20	28.7		29.0		1		P
Zinc	mg/Kg	20	96.8		97.1		0		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

LABORATORY CONTROL SAMPLE SUMMARY

Client: RMJ Environomics, Inc. **SDG No.:** O5252

Contract: RMJE02 **Lab Code:** CHEM **Case No.:** O5252 **SAS No.:** O5252

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB156965BS							
Aluminum	mg/Kg	97.1	93.7		96	80 - 120	P
Antimony	mg/Kg	38.8	37.1		96	80 - 120	P
Arsenic	mg/Kg	38.8	38.4		99	80 - 120	P
Barium	mg/Kg	9.7	8.87		91	80 - 120	P
Beryllium	mg/Kg	9.7	9.45		97	80 - 120	P
Cadmium	mg/Kg	9.7	9.41		97	80 - 120	P
Calcium	mg/Kg	48.5	48.6	J	100	80 - 120	P
Chromium	mg/Kg	19.4	18.8		97	80 - 120	P
Cobalt	mg/Kg	9.7	9.25		95	80 - 120	P
Copper	mg/Kg	14.6	14.4		99	80 - 120	P
Iron	mg/Kg	150	136		91	80 - 120	P
Lead	mg/Kg	48.5	47.1		97	80 - 120	P
Magnesium	mg/Kg	97.1	93.9	J	97	80 - 120	P
Manganese	mg/Kg	9.7	9.66		100	80 - 120	P
Nickel	mg/Kg	24.3	23.2		96	80 - 120	P
Potassium	mg/Kg	490	456		93	80 - 120	P
Selenium	mg/Kg	97.1	93.0		96	80 - 120	P
Silver	mg/Kg	3.6	3.50		97	80 - 120	P
Sodium	mg/Kg	150	136		91	80 - 120	P
Thallium	mg/Kg	97.1	95.1		98	80 - 120	P
Vanadium	mg/Kg	14.6	14.1		97	80 - 120	P
Zinc	mg/Kg	9.7	9.48		98	80 - 120	P

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: RMJ Environomics, Inc. **SDG No.:** O5252

Contract: RMJE02 **Lab Code:** CHEM **Case No.:** O5252 **SAS No.:** O5252

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB156977BS							
Mercury	mg/Kg	0.27	0.28		102	80 - 120	CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

WC-2L

Lab Name: Chemtech Consulting Group **Contract:** RMJE02

Lab Code: CHEM **Lb No.:** lb128217 **Lab Sample ID :** O5257-05L **SDG No.:** O5252

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	0.10		0.27		154		CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

OR-3-110623L

Lab Name: Chemtech Consulting Group **Contract:** RMJE02

Lab Code: CHEM **Lb No.:** lb128258 **Lab Sample ID :** O5270-01L **SDG No.:** O5252

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	5340		6260		17		P
Antimony	4.48		5.10	J	14		P
Arsenic	0.23	J	4.33	U	100.0		P
Barium	25.5		30.1		18		P
Beryllium	0.30		0.38	J	25		P
Cadmium	0.43		0.25	J	40		P
Calcium	2760		3340		21		P
Chromium	11.5		13.7		19		P
Cobalt	8.70		8.61		1		P
Copper	34.5		41.6		20		P
Iron	11400		13200		16		P
Lead	20.3		20.3		0		P
Magnesium	3150		3750		19		P
Manganese	140		168		20		P
Nickel	13.5		13.5		0		P
Potassium	1300		1480		14		P
Selenium	0.87	U	4.33	U			P
Silver	0.43	U	2.17	U			P
Sodium	307		351	J	15		P
Thallium	1.73	U	8.66	U			P
Vanadium	17.1		20.6		21		P
Zinc	85.3		101		18		P

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ANALYSIS RUN LOG

Client: RMJ Environomics, Inc. **Contract:** RMJE02

Lab code: CHEM **Case no.:** O5252 **Sas no.:** O5252 **Sdg no.:** O5252

Instrument id number: **Method:** **Run number:** LB128217

Start date: 11/07/2023 **End date:** 11/07/2023

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1555	HG
S0.2	S0.2	1	1558	HG
S2.5	S2.5	1	1600	HG
S5	S5	1	1602	HG
S7.5	S7.5	1	1607	HG
S10	S10	1	1609	HG
ICV61	ICV61	1	1612	HG
ICB61	ICB61	1	1615	HG
CCV74	CCV74	1	1617	HG
CCB74	CCB74	1	1619	HG
CRA	CRA	1	1621	HG
PB156977BL	PB156977BL	1	1628	HG
PB156977BS	PB156977BS	1	1631	HG
O5252-01	WASTE	1	1635	HG
CCV75	CCV75	1	1644	HG
CCB75	CCB75	1	1646	HG
O5257-05DUP	WC-2DUP	1	1712	HG
O5257-05MS	WC-2MS	1	1714	HG
O5257-05MSD	WC-2MSD	1	1716	HG
CCV76	CCV76	1	1721	HG
CCB76	CCB76	1	1723	HG
O5257-05L	WC-2L	5	1730	HG
CCV77	CCV77	1	1734	HG
CCB77	CCB77	1	1737	HG

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metals
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ANALYSIS RUN LOG

Client: RMJ Environomics, Inc. **Contract:** RMJE02

Lab code: CHEM **Case no.:** O5252 **Sas no.:** O5252 **Sdg no.:** O5252

Instrument id number: **Method:** **Run number:** LB128258

Start date: 11/09/2023 **End date:** 11/09/2023

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1053	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	1057	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	1101	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	1105	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	1108	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	1112	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	1116	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	1120	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	1124	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	1128	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	1132	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	1136	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	1140	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLCCV01	LLCCV01	1	1144	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	1148	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB156965BL	PB156965BL	1	1152	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB156965BS	PB156965BS	1	1156	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
O5252-01	WASTE	1	1200	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	1230	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	1234	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
O5270-01DUP	OR-3-110623DUP	1	1238	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
O5270-01L	OR-3-110623L	5	1242	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
O5270-01MS	OR-3-110623MS	1	1245	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
O5270-01MSD	OR-3-110623MSD	1	1249	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
O5270-01A	OR-3-110623A	1	1253	Ag
CCV03	CCV03	1	1257	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	1300	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	1400	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	1404	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	1446	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	1450	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	1533	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	1537	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV07	CCV07	1	1619	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	1623	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV08	CCV08	1	1707	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB08	CCB08	1	1711	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV09	CCV09	1	1756	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB09	CCB09	1	1800	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV10	CCV10	1	1832	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB10	CCB10	1	1836	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV11	CCV11	1	1905	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB11	CCB11	1	1909	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

CHEMTECH

METAL PREPARATION & INSTRUMENT DATA

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

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: RMJ Environomics, Inc. **SDG No.:** O5252

Contract: RMJE02 **Lab Code:** CHEM **Case No.:** O5252 **SAS No.:** O5252

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

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

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: RMJ Environomics, Inc. **SDG No.:** O5252

Contract: RMJE02 **Lab Code:** CHEM **Case No.:** O5252 **SAS No.:** O5252

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

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

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: RMJ Environomics, Inc. **SDG No.:** O5252

Contract: RMJE02 **Lab Code:** CHEM **Case No.:** O5252 **SAS No.:** O5252

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: RMJ Environomics, Inc. **SDG No.:** O5252

Contract: RMJE02 **Lab Code:** CHEM **Case No.:** O5252 **SAS No.:** O5252

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

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

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: RMJ Environomics, Inc. **SDG No.:** O5252

Contract: RMJE02 **Lab Code:** CHEM **Case No.:** O5252 **SAS No.:** O5252

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

CHEMTECH

284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	O5252	**OrderDate:**	11/3/2023 2:14:16 PM
Client:	RMJ Environomics, Inc.	**Project:**	245 Greenwood Ave
Contact:	Jonathan Pereira	**Location:**	I31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
O5252-01	**WASTE**	**SOIL**			**11/03/23**			**11/03/23**
			Mercury	7471B		11/07/23	11/07/23	
			Metals ICP-TAL	6010D		11/07/23	11/09/23	

CHEMTECH

METAL PREPARATION & ANALYICAL SUMMARY

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

Metals
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SAMPLE PREPARATION SUMMARY

Client: RMJ Environomics, Inc. **SDG No.:** O5252

Contract: RMJE02 **Lab Code:** CHEM **Method:**

Case No.: O5252 **SAS No.:** O5252

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB156965**						
O5252-01	WASTE	SAM	SOLID	11/07/2023	2.49	100.0	90.60
O5270-01DUP	OR-3-110623DUP	DUP	SOLID	11/07/2023	2.48	100.0	92.70
O5270-01MS	OR-3-110623MS	MS	SOLID	11/07/2023	2.41	100.0	92.70
O5270-01MSD	OR-3-110623MSD	MSD	SOLID	11/07/2023	2.42	100.0	92.70
PB156965BL	PB156965BL	MB	SOLID	11/07/2023	2.12	100.0	100.00
PB156965BS	PB156965BS	LCS	SOLID	11/07/2023	2.06	100.0	100.00

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

Metals
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SAMPLE PREPARATION SUMMARY

Client: RMJ Environomics, Inc. **SDG No.:** O5252

Contract: RMJE02 **Lab Code:** CHEM **Method:**

Case No.: O5252 **SAS No.:** O5252

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB156977**						
O5252-01	WASTE	SAM	SOLID	11/07/2023	0.54	35.0	90.60
O5257-05DUP	WC-2DUP	DUP	SOLID	11/07/2023	0.56	35.0	91.40
O5257-05MS	WC-2MS	MS	SOLID	11/07/2023	0.52	35.0	91.40
O5257-05MSD	WC-2MSD	MSD	SOLID	11/07/2023	0.53	35.0	91.40
PB156977BL	PB156977BL	MB	SOLID	11/07/2023	0.55	35.0	100.00
PB156977BS	PB156977BS	LCS	SOLID	11/07/2023	0.52	35.0	100.00

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

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB128217

Review By	jaswal	Review On	11/8/2023 8:34:26 PM
Supervise By	bin	Supervise On	11/8/2023 8:34:36 PM

STD. NAME	STD REF.#
ICAL Standard	MP78124,MP78125,MP78126,MP78127,MP78128,MP78129
ICV Standard	MP78130
CCV Standard	MP78132
ICSA Standard	
CRI Standard	MP78134
LCS Standard	
Chk Standard	MP78131,MP78133,MP781375,MP78137

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	11/07/23 15:55		mohan	OK
2	S0.2	S0.2	CAL2	11/07/23 15:58		mohan	OK
3	S2.5	S2.5	CAL3	11/07/23 16:00		mohan	OK
4	S5	S5	CAL4	11/07/23 16:02		mohan	OK
5	S7.5	S7.5	CAL5	11/07/23 16:07		mohan	OK
6	S10	S10	CAL6	11/07/23 16:09		mohan	OK
7	ICV61	ICV61	ICV	11/07/23 16:12		mohan	OK
8	ICB61	ICB61	ICB	11/07/23 16:15		mohan	OK
9	CCV74	CCV74	CCV	11/07/23 16:17		mohan	OK
10	CCB74	CCB74	CCB	11/07/23 16:19		mohan	OK
11	CRA	CRA	CRDL	11/07/23 16:21		mohan	OK
12	HighStd	HighStd	HIGH STD	11/07/23 16:24		mohan	OK
13	ChkStd	ChkStd	SAM	11/07/23 16:26		mohan	OK
14	PB156977BL	PB156977BL	MB	11/07/23 16:28		mohan	OK
15	PB156977BS	PB156977BS	LCS	11/07/23 16:31		mohan	OK
16	O5237-01	111TH-ST-1	SAM	11/07/23 16:33		mohan	OK
17	O5252-01	WASTE	SAM	11/07/23 16:35		mohan	OK
18	O5253-01	L-1(65FT)(5-10)	SAM	11/07/23 16:37		mohan	OK
19	O5253-02	L-6(0-5)	SAM	11/07/23 16:40		mohan	OK
20	O5253-03	L-3(120FT)(0-5)	SAM	11/07/23 16:42		mohan	OK

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

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB128217

Review By	jaswal	Review On	11/8/2023 8:34:26 PM
Supervise By	bin	Supervise On	11/8/2023 8:34:36 PM

STD. NAME	STD REF.#
ICAL Standard	MP78124,MP78125,MP78126,MP78127,MP78128,MP78129
ICV Standard	MP78130
CCV Standard	MP78132
ICSA Standard	
CRI Standard	MP78134
LCS Standard	
Chk Standard	MP78131,MP78133,MP781375,MP78137

21	CCV75	CCV75	CCV	11/07/23 16:44		mohan	OK
22	CCB75	CCB75	CCB	11/07/23 16:46		mohan	OK
23	O5253-04	L-3(195FT)(0-5)	SAM	11/07/23 16:49		mohan	OK
24	O5256-01	WC-1	SAM	11/07/23 16:51		mohan	OK
25	O5256-05	WC-11	SAM	11/07/23 16:53		mohan	OK
26	O5256-09	WC-10	SAM	11/07/23 16:56		mohan	OK
27	O5257-01	WC-6	SAM	11/07/23 16:58		mohan	OK
28	O5257-05	WC-2	SAM	11/07/23 17:06		mohan	OK
29	O5257-05DUP	WC-2DUP	DUP	11/07/23 17:12		mohan	OK
30	O5257-05MS	WC-2MS	MS	11/07/23 17:14		mohan	OK
31	O5257-05MSD	WC-2MSD	MSD	11/07/23 17:16		mohan	OK
32	O5257-09	WC-3	SAM	11/07/23 17:18		mohan	OK
33	CCV76	CCV76	CCV	11/07/23 17:21		mohan	OK
34	CCB76	CCB76	CCB	11/07/23 17:23		mohan	OK
35	O5266-01	1203	SAM	11/07/23 17:25		mohan	OK
36	O5270-01	OR-3-110623	SAM	11/07/23 17:28		mohan	OK
37	O5257-05L	WC-2L	SD	11/07/23 17:30		mohan	OK
38	O5257-05A	WC-2A	PS	11/07/23 17:32		mohan	OK
39	CCV77	CCV77	CCV	11/07/23 17:34		mohan	OK
40	CCB77	CCB77	CCB	11/07/23 17:37		mohan	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB128258

Review By	Jaswal	Review On	11/21/2023 4:35:42 AM
Supervise By	Bin	Supervise On	11/21/2023 4:36:42 AM

STD. NAME	STD REF.#
ICAL Standard	MP77927,MP77937,MP77935,MP77934,MP77933,MP77932
ICV Standard	MP77929,MP77937
CCV Standard	MP77936
ICSA Standard	MP77930,MP77931
CRI Standard	
LCS Standard	
Chk Standard	MP77925,MP77941,MP77938,MP77939

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	11/09/23 10:53		Bin	OK
2	S1	S1	CAL2	11/09/23 10:57		Bin	OK
3	S2	S2	CAL3	11/09/23 11:01		Bin	OK
4	S3	S3	CAL4	11/09/23 11:05		Bin	OK
5	S4	S4	CAL5	11/09/23 11:08		Bin	OK
6	S5	S5	CAL6	11/09/23 11:12		Bin	OK
7	ICV01	ICV01	ICV	11/09/23 11:16	ICV fail for As,Ba,Mo,Se,Si (200.7)	Bin	OK
8	LLICV01	LLICV01	LLICV	11/09/23 11:20		Bin	OK
9	ICB01	ICB01	ICB	11/09/23 11:24		Bin	OK
10	CRI01	CRI01	CRDL	11/09/23 11:28		Bin	OK
11	ICSA01	ICSA01	ICSA	11/09/23 11:32		Bin	OK
12	ICSAB01	ICSAB01	ICSAB	11/09/23 11:36	ICSAB fail for Mo	Bin	OK
13	CCV01	CCV01	CCV	11/09/23 11:40		Bin	OK
14	LLCCV01	LLCCV01	LLCCV	11/09/23 11:44		Bin	OK
15	CCB01	CCB01	CCB	11/09/23 11:48		Bin	OK
16	PB156965BL	PB156965BL	MB	11/09/23 11:52		Bin	OK
17	PB156965BS	PB156965BS	LCS	11/09/23 11:56		Bin	OK
18	O5252-01	WASTE	SAM	11/09/23 12:00		Bin	OK
19	O5253-01	L-1(65FT)(5-10)	SAM	11/09/23 12:03		Bin	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB128258

Review By	Jaswal	Review On	11/21/2023 4:35:42 AM
Supervise By	Bin	Supervise On	11/21/2023 4:36:42 AM

STD. NAME	STD REF.#
ICAL Standard	MP77927,MP77937,MP77935,MP77934,MP77933,MP77932
ICV Standard	MP77929,MP77937
CCV Standard	MP77936
ICSA Standard	MP77930,MP77931
CRI Standard	
LCS Standard	
Chk Standard	MP77925,MP77941,MP77938,MP77939

20	O5253-02	L-6(0-5)	SAM	11/09/23 12:07		Bin	OK
21	O5253-03	L-3(120FT)(0-5)	SAM	11/09/23 12:11		Bin	OK
22	O5253-04	L-3(195FT)(0-5)	SAM	11/09/23 12:15		Bin	OK
23	O5266-01	1203	SAM	11/09/23 12:18		Bin	OK
24	O5267-01	ETGI-320	SAM	11/09/23 12:22		Bin	OK
25	O5270-01	OR-3-110623	SAM	11/09/23 12:26		Bin	OK
26	CCV02	CCV02	CCV	11/09/23 12:30		Bin	OK
27	CCB02	CCB02	CCB	11/09/23 12:34		Bin	OK
28	O5270-01DUP	OR-3-110623DUP	DUP	11/09/23 12:38		Bin	OK
29	O5270-01L	OR-3-110623L	SD	11/09/23 12:42		Bin	OK
30	O5270-01MS	OR-3-110623MS	MS	11/09/23 12:45		Bin	OK
31	O5270-01MSD	OR-3-110623MSD	MSD	11/09/23 12:49		Bin	OK
32	O5270-01A	OR-3-110623A	PS	11/09/23 12:53		Bin	OK
33	CCV03	CCV03	CCV	11/09/23 12:57		Bin	OK
34	CCB03	CCB03	CCB	11/09/23 13:00		Bin	OK
35	PB156995BL	PB156995BL	MB	11/09/23 13:49		Bin	OK
36	PB156995BS	PB156995BS	LCS	11/09/23 13:53		Bin	OK
37	O5272-02	002	SAM	11/09/23 13:56		Bin	OK
38	CCV04	CCV04	CCV	11/09/23 14:00		Bin	OK
39	CCB04	CCB04	CCB	11/09/23 14:04		Bin	OK
40	O5279-01	TP-1	SAM	11/09/23 14:08		Bin	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB128258

Review By	Jaswal	Review On	11/21/2023 4:35:42 AM
Supervise By	Bin	Supervise On	11/21/2023 4:36:42 AM

STD. NAME	STD REF.#
ICAL Standard	MP77927,MP77937,MP77935,MP77934,MP77933,MP77932
ICV Standard	MP77929,MP77937
CCV Standard	MP77936
ICSA Standard	MP77930,MP77931
CRI Standard	
LCS Standard	
Chk Standard	MP77925,MP77941,MP77938,MP77939

41	O5279-05	MH-1	SAM	11/09/23 14:12		Bin	OK
42	O5286-02	002	SAM	11/09/23 14:16		Bin	OK
43	O5286-02DUP	002DUP	DUP	11/09/23 14:20		Bin	OK
44	O5286-02MS	002MS	MS	11/09/23 14:23		Bin	OK
45	O5286-02MSD	002MSD	MSD	11/09/23 14:27		Bin	OK
46	O5286-02A	002A	PS	11/09/23 14:31		Bin	OK
47	O5286-02L	002L	SD	11/09/23 14:35		Bin	OK
48	O5291-01	QUEEN-PLAZA	SAM	11/09/23 14:39		Bin	OK
49	O5292-01	CORONA	SAM	11/09/23 14:43		Bin	OK
50	CCV05	CCV05	CCV	11/09/23 14:46		Bin	OK
51	CCB05	CCB05	CCB	11/09/23 14:50		Bin	OK
52	O5293-01	SB-1	SAM	11/09/23 14:54		Bin	OK
53	O5293-02	SB-2	SAM	11/09/23 14:58		Bin	OK
54	O5293-03	SB-3	SAM	11/09/23 15:02		Bin	OK
55	O5293-04	SB-4	SAM	11/09/23 15:06		Bin	OK
56	O5293-05	SB-5	SAM	11/09/23 15:10		Bin	OK
57	O5293-06	SB-6	SAM	11/09/23 15:13		Bin	OK
58	O5293-07	SB-7	SAM	11/09/23 15:17		Bin	OK
59	O5293-08	SB-8	SAM	11/09/23 15:21		Bin	OK
60	O5295-01	TP-2	SAM	11/09/23 15:25		Bin	OK
61	O5209-01	MONTHLY-OUTFALL-	SAM	11/09/23 15:29		Bin	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB128258

Review By	Jaswal	Review On	11/21/2023 4:35:42 AM
Supervise By	Bin	Supervise On	11/21/2023 4:36:42 AM

STD. NAME	STD REF.#
ICAL Standard	MP77927,MP77937,MP77935,MP77934,MP77933,MP77932
ICV Standard	MP77929,MP77937
CCV Standard	MP77936
ICSA Standard	MP77930,MP77931
CRI Standard	
LCS Standard	
Chk Standard	MP77925,MP77941,MP77938,MP77939

62	CCV06	CCV06	CCV	11/09/23 15:33		Bin	OK
63	CCB06	CCB06	CCB	11/09/23 15:37		Bin	OK
64	PB156964BL	PB156964BL	MB	11/09/23 15:41	ICV fail for As,Se,Mo,Si	Bin	Not Ok
65	PB156964BS	PB156964BS	LCS	11/09/23 15:45	ICV fail for As,Se,Mo,SI	Bin	Not Ok
66	O5249-01	001-WILLETS-PT-BL	SAM	11/09/23 15:48	ICV fail for As,Se	Bin	OK
67	O5249-01DUP	001-WILLETS-PT-BL	DUP	11/09/23 15:52	ICV fail for As,Se,Mo	Bin	Not Ok
68	O5249-01MS	001-WILLETS-PT-BL	MS	11/09/23 15:56	ICV fail for As,Se,Mo	Bin	Not Ok
69	O5249-01MSD	001-WILLETS-PT-BL	MSD	11/09/23 16:00	ICV fail for As,Se,Mo	Bin	Not Ok
70	O5249-01A	001-WILLETS-PT-BL	PS	11/09/23 16:04	ICV fail for As,Se,Mo	Bin	Not Ok
71	O5249-01L	001-WILLETS-PT-BL	SD	11/09/23 16:08	ICV fail for As,Se,Mo	Bin	Not Ok
72	O5249-02	002-35TH-AVE(NOV)	SAM	11/09/23 16:12		Bin	OK
73	O5282-01	YORK-20231106	SAM	11/09/23 16:15		Bin	OK
74	CCV07	CCV07	CCV	11/09/23 16:19		Bin	OK
75	CCB07	CCB07	CCB	11/09/23 16:23		Bin	OK
76	O5301-01	POOL-WATER	SAM	11/09/23 16:27	ICV fail for Si	Bin	Not Ok
77	PB157041BL	PB157041BL	MB	11/09/23 16:31		Bin	OK
78	PB157041BS	PB157041BS	LCS	11/09/23 16:35		Bin	OK
79	O5279-04	TP-1	SAM	11/09/23 16:39		Bin	OK
80	O5279-04DUP	TP-1DUP	DUP	11/09/23 16:43		Bin	OK
81	O5279-04MS	TP-1MS	MS	11/09/23 16:47		Bin	OK
82	O5279-04MSD	TP-1MSD	MSD	11/09/23 16:51		Bin	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB128258

Review By	Jaswal	Review On	11/21/2023 4:35:42 AM
Supervise By	Bin	Supervise On	11/21/2023 4:36:42 AM

STD. NAME	STD REF.#
ICAL Standard	MP77927,MP77937,MP77935,MP77934,MP77933,MP77932
ICV Standard	MP77929,MP77937
CCV Standard	MP77936
ICSA Standard	MP77930,MP77931
CRI Standard	
LCS Standard	
Chk Standard	MP77925,MP77941,MP77938,MP77939

83	O5279-04A	TP-1A	PS	11/09/23 16:55		Bin	OK
84	O5279-04L	TP-1L	SD	11/09/23 16:59		Bin	OK
85	O5279-08	MH-1	SAM	11/09/23 17:03		Bin	OK
86	CCV08	CCV08	CCV	11/09/23 17:07		Bin	OK
87	CCB08	CCB08	CCB	11/09/23 17:11		Bin	OK
88	O5284-02	SB-1	SAM	11/09/23 17:15		Bin	OK
89	O5284-04	SB-2	SAM	11/09/23 17:19		Bin	OK
90	O5285-02	002	SAM	11/09/23 17:23		Bin	OK
91	O5286-03	003	SAM	11/09/23 17:27		Bin	OK
92	O5291-02	QUEEN-PLAZA	SAM	11/09/23 17:31		Bin	OK
93	O5292-02	CORONA	SAM	11/09/23 17:35		Bin	OK
94	O5295-04	TP-2	SAM	11/09/23 17:39		Bin	OK
95	O5311-03	TP-1	SAM	11/09/23 17:43		Bin	OK
96	O5311-06	TP-2	SAM	11/09/23 17:48		Bin	OK
97	O5311-09	TP-3	SAM	11/09/23 17:52		Bin	OK
98	CCV09	CCV09	CCV	11/09/23 17:56		Bin	OK
99	CCB09	CCB09	CCB	11/09/23 18:00		Bin	OK
100	O5311-12	TP-4	SAM	11/09/23 18:04		Bin	OK
101	O5311-15	TP-5	SAM	11/09/23 18:08		Bin	OK
102	O5311-18	TP-6	SAM	11/09/23 18:12		Bin	OK
103	O5317-05	D3308	SAM	11/09/23 18:16		Bin	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB128258

Review By	Jaswal	Review On	11/21/2023 4:35:42 AM
Supervise By	Bin	Supervise On	11/21/2023 4:36:42 AM

STD. NAME	STD REF.#
ICAL Standard	MP77927,MP77937,MP77935,MP77934,MP77933,MP77932
ICV Standard	MP77929,MP77937
CCV Standard	MP77936
ICSA Standard	MP77930,MP77931
CRI Standard	
LCS Standard	
Chk Standard	MP77925,MP77941,MP77938,MP77939

104	O5317-06	D3317	SAM	11/09/23 18:20		Bin	OK
105	O5318-01	KEARNY-DRUM	SAM	11/09/23 18:24		Bin	OK
106	PB156994TB	PB156994TB	MB	11/09/23 18:28		Bin	OK
107	CCV10	CCV10	CCV	11/09/23 18:32		Bin	OK
108	CCB10	CCB10	CCB	11/09/23 18:36		Bin	OK
109	O5211-07	14B-(1-4)-COMP	SAM	11/09/23 18:40	ICV fail for Mo	Bin	Not Ok
110	O5283-07	14B-(1-4)-COMP	SAM	11/09/23 18:44	ICV fail for Mo	Bin	Not Ok
111	O5231-07	14B-(1-4)-COMP	SAM	11/09/23 18:48	ICV fail for Mo	Bin	Not Ok
112	O5298-07	14B-(1-4)-COMP	SAM	11/09/23 18:52	ICV fail for Mo	Bin	Not Ok
113	LRCHECK 1	LRCHECK 1	HIGH STD	11/09/23 18:56		Bin	OK
114	LRCHECK 2	LRCHECK 2	HIGH STD	11/09/23 19:01		Bin	OK
115	CCV11	CCV11	CCV	11/09/23 19:05		Bin	OK
116	CCB11	CCB11	CCB	11/09/23 19:09		Bin	OK

CHEMTECH

Soil/Sludge Metals Preparation Sheet

PB156965

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#3 2. N/A

Temp : 1. 96°C 2. N/A

Start Digest Date: 11/07/2023 **Time :** 12:30 **Temp :** 96 °C

End Digest Date: 11/07/2023 **Time :** 15:30 **Temp :** 96 °C

Digestion tube ID: M5594

Block thermometer ID: MET-DIG. #3

Dig Technician Signature: AI

Supervisor Signature: MA

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	1.00	M5643
LFS-2	1.00	M5648
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
1:1 HNO3	10.00	MP76793
Conc. HNO3	5.00	M5705
30% H2O2	3.00	M5631
Conc. HCL	10.00	M5707
PTFE Boiling Stones	N/A	M5582
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/7/23 15:40	AI/Org. Lab	MA (Met Lab)
	Preparation Group	Analysis Group

CHEMTECH

Soil/Sludge Metals Preparation Sheet

PB156965

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
O5252-01	WASTE	N/A	2.49	100	Brown	Brown	Medium	No	N/A	3-1
O5253-01	L-1(65FT)(5-10)	N/A	2.35	100	Brown	Brown	Medium	No	N/A	2
O5253-02	L-6(0-5)	N/A	2.40	100	Brown	Brown	Medium	No	N/A	3
O5253-03	L-3(120FT)(0-5)	N/A	2.49	100	Brown	Brown	Medium	No	N/A	4
O5253-04	L-3(195FT)(0-5)	N/A	2.13	100	Brown	Brown	Medium	No	N/A	5
O5256-01	WC-1	N/A	2.05	100	Brown	Brown	Medium	No	N/A	6
O5256-05	WC-11	N/A	2.30	100	Brown	Brown	Medium	No	N/A	7
O5256-09	WC-10	N/A	2.05	100	Brown	Brown	Medium	No	N/A	8
O5257-01	WC-6	N/A	2.30	100	Brown	Brown	Medium	No	N/A	9
O5257-05	WC-2	N/A	2.31	100	Brown	Brown	Medium	No	N/A	10
O5257-09	WC-3	N/A	2.25	100	Brown	Brown	Medium	No	N/A	11
O5266-01	1203	N/A	2.23	100	Brown	Brown	Medium	No	N/A	12
O5267-01	ETGI-320	N/A	2.25	100	Brown	Brown	Medium	No	N/A	13
O5270-01	OR-3-110623	N/A	2.49	100	Brown	Brown	Medium	No	N/A	14
O5270-01DUP	OR-3-110623DUP	N/A	2.48	100	Brown	Brown	Medium	No	N/A	15
O5270-01MS	OR-3-110623MS	N/A	2.41	100	Brown	Brown	Medium	No	M5643,M5648	16
O5270-01MSD	OR-3-110623MSD	N/A	2.42	100	Brown	Brown	Medium	No	M5643,M5648	17
PB156965BL	PBS965	N/A	2.12	100	Colorless	Colorless	Fine	No	N/A	18
PB156965BS	LCS965	N/A	2.06	100	Colorless	Colorless	Fine	No	M5643,M5648	19

A B C D E F G H I J

CHEMTECH

Soil/Sludge Mercury Preparation Sheet

PB156977

SOP ID : M7471B-Mercury-18

SDG No : NA

Matrix : SOIL

Pippete ID: HG A

Balance ID : M SC-3

Filter paper ID : NA

pH Strip ID : NA

Hood ID : #1

Block ID: 1. HG HOT BLOCK#3 2. N/A

Temp : 1. 95°C 2. N/A

Start Digest Date: 11/07/2023 **Time :** 13:05 **Temp :** 95 °C

End Digest Date: 11/07/2023 **Time :** 13:35 **Temp :** 94 °C

Digestion tube ID: M5586

Block thermometer ID: HG-DIG#3

Dig Technician Signature: MB

Supervisor Signature: [signature]

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP78130
CCV	30mL	MP78132
CRA	30mL	MP78134
Blank Spike	0.48mL	MP78123
Matrix Spike	0.48mL	MP78123

Chemical Used	ML/SAMPLE USED	Lot Number
AQUA REGIA	1.5mL	MP78136
KMnO4	4.5mL	MP78042
Hydroxylamine HCL	2.0mL	MP78044
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
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	MP78124
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP78125
2.5 ppb	S2.5	30mL	MP78126
5.0 ppb	S5.0	30mL	MP78127
7.5 ppb	S7.5	30mL	MP78128
10.0 ppb	S10.0	30mL	MP78129
ICV	ICV	30mL	MP78130
ICB	ICB	30mL	MP78131
CCV	CCV	30mL	MP78132
CCB	CCB	30mL	MP78133
CRI	CRI	30mL	MP78134
CHK STD	CHK STD	30mL	MP78135

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/7/23 @ 13:50	MB - HG Lab	PB - Metal Lab
	Preparation Group	**Analysis Group**

CHEMTECH

Soil/Sludge Mercury Preparation Sheet

PB156977

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Comment	Prep Pos
05237-01	11TH-ST-1	0.56	35	NA	N/A	3-1
05252-01	WASTE	0.54	35	NA	N/A	2
05253-01	L-1(65FT)(5-10)	0.52	35	NA	N/A	3
05253-02	L-6(0-5)	0.50	35	NA	N/A	4
05253-03	L-3(120FT)(0-5)	0.50	35	NA	N/A	5
05253-04	L-3(195FT)(0-5)	0.53	35	NA	N/A	6
05256-01	WC-1	0.55	35	NA	N/A	7
05256-05	WC-11	0.55	35	NA	N/A	8
05256-09	WC-10	0.60	35	NA	N/A	9
05257-01	WC-6	0.59	35	NA	N/A	10
05257-05	WC-2	0.53	35	NA	N/A	11
05257-05DUP	WC-2DUP	0.56	35	NA	N/A	12
05257-05MS	WC-2MS	0.52	35	NA	MP78123	13
05257-05MSD	WC-2MSD	0.53	35	NA	MP78123	14
05257-09	WC-3	0.52	35	NA	N/A	15
05266-01	1203	0.51	35	NA	N/A	16
05270-01	OR-3-110623	0.56	35	NA	N/A	17
PB156977BL	PBS977	0.55	35	NA	N/A	18
PB156977BS	LCS977	0.52	35	NA	MP78123	19

A B C D E F G H I J

CHEMTECH

A
B
C
D
E
F

SAMPLE DATA

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

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23 11:20
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WASTE	SDG No.:	O5252
Lab Sample ID:	O5252-01	Matrix:	SOIL
		% Solid:	90.6

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.060	U	1	0.060	0.27	mg/Kg	11/09/23 10:25	11/09/23 14:47	9012B
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		11/08/23 15:30	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

CHEMTECH

A
B
C
D
E
F

QC RESULT SUMMARY

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

Initial and Continuing Calibration Verification

Client:	RMJ Environomics, Inc.	**SDG No.:**	O5252
Project:	245 Greenwood Ave	**RunNo.:**	LB128256

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV1**						
Cyanide		mg/L	0.096	0.099	97	90-110	11/09/2023
Sample ID:	**CCV1**						
Cyanide		mg/L	0.25	0.25	100	90-110	11/09/2023
Sample ID:	**CCV2**						
Cyanide		mg/L	0.25	0.25	100	90-110	11/09/2023
Sample ID:	**CCV3**						
Cyanide		mg/L	0.25	0.25	100	90-110	11/09/2023
Sample ID:	**CCV4**						
Cyanide		mg/L	0.26	0.25	104	90-110	11/09/2023

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

Initial and Continuing Calibration Blank Summary

Client: RMJ Environomics, Inc. **SDG No.:** O5252

Project: 245 Greenwood Ave **RunNo.:** LB128256

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	ICB1							
Cyanide		mg/L	< 0.0025	0.0025	U	0.0010	0.005	11/09/2023
Sample ID:	CCB1							
Cyanide		mg/L	< 0.0025	0.0025	U	0.0010	0.005	11/09/2023
Sample ID:	CCB2							
Cyanide		mg/L	< 0.0025	0.0025	U	0.0010	0.005	11/09/2023
Sample ID:	CCB3							
Cyanide		mg/L	< 0.0025	0.0025	U	0.0010	0.005	11/09/2023
Sample ID:	CCB4							
Cyanide		mg/L	< 0.0025	0.0025	U	0.0010	0.005	11/09/2023

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Preparation Blank Summary

Client: RMJ Environomics, Inc. **SDG No.:** O5252

Project: 245 Greenwood Ave

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: PB157028BL							
Cyanide	mg/Kg	< 0.1250	0.1250	U	0.057	0.25	11/09/2023

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Matrix Spike Summary

Client: RMJ Environomics, Inc.
SDG No.: O5252
Project: 245 Greenwood Ave
Sample ID: O5253-04
Client ID: L-3(195FT)(0-5)MS
Percent Solids for Spike Sample: 91.3

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	2.30		0.061	U	2.1	1	110		11/09/2023

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Matrix Spike Summary

Client: RMJ Environomics, Inc.
SDG No.: O5252
Project: 245 Greenwood Ave
Sample ID: O5253-04
Client ID: L-3(195FT)(0-5)MSD
Percent Solids for Spike Sample: 91.3

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	2.40		0.061	U	2.1	1	114		11/09/2023

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Duplicate Sample Summary

Client: RMJ Environomics, Inc.
SDG No.: O5252
Project: 245 Greenwood Ave
Sample ID: O5253-04
Client ID: L-3(195FT)(0-5)DUP
Percent Solids for Spike Sample: 91.3

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	0.061	U	0.061	U	1	0		11/09/2023

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Duplicate Sample Summary

Client: RMJ Environomics, Inc.
SDG No.: O5252
Project: 245 Greenwood Ave
Sample ID: O5253-04
Client ID: L-3(195FT)(0-5)MSD
Percent Solids for Spike Sample: 91.3

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	2.30		2.40		1	4		11/09/2023

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Duplicate Sample Summary

Client: RMJ Environomics, Inc.
SDG No.: O5252
Project: 245 Greenwood Ave
Sample ID: O5295-04
Client ID: TP-2DUP
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
Paint Filter	**ml/100gm**	**+/-20**	**1.00**	**U**	**1.00**	**U**	**1**	**0**		**11/08/2023**

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Laboratory Control Sample Summary

Client:	RMJ Environomics, Inc.	**SDG No.:**	O5252
Project:	245 Greenwood Ave	**Run No.:**	LB128256

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB157028BS								
Cyanide	mg/Kg	5	4.90		98	1	85-115	11/09/2023

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Instrument ID: FILTER/GRAVIMETRIC

Daily Analysis Runlog For Sequence/QCBatch ID # LB128232

Review By	Rubina	Review On	11/8/2023 4:53:04 PM
Supervise By	Iwona	Supervise On	11/9/2023 11:29:06 AM
SubDirectory	LB128232	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	O5252-01	WASTE	SAM	11/08/23 15:30		Rubina	OK
2	O5270-01	OR-3-110623	SAM	11/08/23 15:38		Rubina	OK
3	O5279-01	TP-1	SAM	11/08/23 15:45		Rubina	OK
4	O5279-04	TP-1	SAM	11/08/23 15:52		Rubina	OK
5	O5279-05	MH-1	SAM	11/08/23 16:00		Rubina	OK
6	O5279-08	MH-1	SAM	11/08/23 16:07		Rubina	OK
7	O5295-01	TP-2	SAM	11/08/23 16:15		Rubina	OK
8	O5295-04	TP-2	SAM	11/08/23 16:22		Rubina	OK
9	O5295-04DUP	TP-2DUP	DUP	11/08/23 16:30		Rubina	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB128256

Review By	Rubina	Review On	11/10/2023 9:26:03 AM
Supervise By	Iwona	Supervise On	11/10/2023 9:28:45 AM
SubDirectory	LB128256	Test	Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP105218,WP105219,WP105220,WP105221,WP105222,WP105223,WP105224
ICV Standard	W2162
CCV Standard	WP105219
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP105082
Chk Standard	WP104150,WP104494,WP105226

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPBCN	0.0PPBCN	CAL1	11/09/23 10:01		Iwona	OK
2	5.0PPBCN	5.0PPBCN	CAL2	11/09/23 10:01		Iwona	OK
3	10PPBCN	10PPBCN	CAL3	11/09/23 10:01		Iwona	OK
4	50PPBCN	50PPBCN	CAL4	11/09/23 10:01		Iwona	OK
5	100PPBCN	100PPBCN	CAL5	11/09/23 10:01		Iwona	OK
6	250PPBCN	250PPBCN	CAL6	11/09/23 10:01		Iwona	OK
7	500PPBCN	500PPBCN	CAL7	11/09/23 10:01		Iwona	OK
8	ICV1	ICV1	ICV	11/09/23 14:40		Iwona	OK
9	ICB1	ICB1	ICB	11/09/23 14:40		Iwona	OK
10	CCV1	CCV1	CCV	11/09/23 14:40		Iwona	OK
11	CCB1	CCB1	CCB	11/09/23 14:40		Iwona	OK
12	PB157028BL	PB157028BL	MB	11/09/23 14:40		Iwona	OK
13	PB157028BS	PB157028BS	LCS	11/09/23 14:40		Iwona	OK
14	HIGHPB157028	HIGHPB157028	SAM	11/09/23 14:47		Iwona	OK
15	O5237-01	111TH-ST-1	SAM	11/09/23 14:47		Iwona	OK
16	O5252-01	WASTE	SAM	11/09/23 14:47		Iwona	OK
17	O5253-01	L-1(65FT)(5-10)	SAM	11/09/23 14:47		Iwona	OK
18	O5253-02	L-6(0-5)	SAM	11/09/23 14:47		Iwona	OK
19	O5253-03	L-3(120FT)(0-5)	SAM	11/09/23 14:55		Iwona	OK
20	CCV2	CCV2	CCV	11/09/23 14:55		Iwona	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB128256

Review By	Rubina	Review On	11/10/2023 9:26:03 AM
Supervise By	Iwona	Supervise On	11/10/2023 9:28:45 AM
SubDirectory	LB128256	Test	Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP105218,WP105219,WP105220,WP105221,WP105222,WP105223,WP105224
ICV Standard	W2162
CCV Standard	WP105219
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP105082
Chk Standard	WP104150,WP104494,WP105226

21	CCB2	CCB2	CCB	11/09/23 14:55		Iwona	OK
22	O5293-01	SB-1	SAM	11/09/23 14:55		Iwona	OK
23	O5293-02	SB-2	SAM	11/09/23 15:02		Iwona	OK
24	O5293-03	SB-3	SAM	11/09/23 15:02		Iwona	OK
25	O5293-05	SB-5	SAM	11/09/23 15:02		Iwona	OK
26	O5293-06	SB-6	SAM	11/09/23 15:02		Iwona	OK
27	O5293-07	SB-7	SAM	11/09/23 15:02		Iwona	OK
28	CCV3	CCV3	CCV	11/09/23 15:03		Iwona	OK
29	CCB3	CCB3	CCB	11/09/23 15:03		Iwona	OK
30	O5293-08	SB-8	SAM	11/09/23 15:03		Iwona	OK
31	O5312-01	P-4(170FT)(5-10)	SAM	11/09/23 15:03		Iwona	OK
32	O5312-02	DUP-03	SAM	11/09/23 15:03		Iwona	OK
33	O5312-03	P-2(200FT)(5-10)	SAM	11/09/23 15:09		Iwona	OK
34	LOWPB157028	LOWPB157028	SAM	11/09/23 15:30		Iwona	OK
35	O5253-04	L-3(195FT)(0-5)	SAM	11/09/23 15:30		Iwona	OK
36	O5253-04DUP	L-3(195FT)(0-5)DUP	DUP	11/09/23 15:30		Iwona	OK
37	O5253-04MS	L-3(195FT)(0-5)MS	MS	11/09/23 15:30		Iwona	OK
38	O5253-04MSD	L-3(195FT)(0-5)MSD	MSD	11/09/23 15:30		Iwona	OK
39	O5293-04	SB-4	SAM	11/09/23 15:36		Iwona	OK
40	CCV4	CCV4	CCV	11/09/23 15:36		Iwona	OK
41	CCB4	CCB4	CCB	11/09/23 15:36		Iwona	OK

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284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	O5252	**OrderDate:**	11/3/2023 2:14:16 PM
Client:	RMJ Environomics, Inc.	**Project:**	245 Greenwood Ave
Contact:	Jonathan Pereira	**Location:**	I31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
O5252-01	**WASTE**	**SOIL**			**11/03/23 11:20**			**11/03/23**
			Cyanide	9012B		11/09/23	11/09/23 14:47	
			Paint Filter	9095B			11/08/23 15:30	

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Soil/Sludge Cyanide Preparation Sheet

PB157028

SOP ID : M9012B-Total, Amenable and Reactive Cyanide-20

SDG No : N/A

Matrix : SOIL

Pippete ID : WC

Balance ID : WC SC-4

Hood ID : HOOD#1

Block ID : MC-1,MC-2

Weigh By : IZ

Start Digest Date: 11/09/2023 **Time :** 10:25 **Temp :** 123 °C

End Digest Date: 11/09/2023 **Time :** 11:55 **Temp :** 127 °C

Tlast Batch 11/09/2023 12:20 126°C
11/09/2023 13:50 127°C

Digestion tube ID : M5216

Filter paper ID : N/A

pH Meter ID : N/A

Block Thermometer ID : WC CYANIDE

Prep Technician Signature: IZ

Supervisor Signature: JP

Standared Name	MLS USED	STD REF. # FROM LOG
LCSS	1.0ML	WP105082
MS/MSD SPIKE SOL.	0.4ML	WP103185
PBS003	50.0ML	W2606
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
0.25N NaOH	50.0ML	WP102492
50% v/v H2SO4	5.0ML	WP102493
51% w/v MgCL2	2.0ML	WP102494
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
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	W2162
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	WP103185
LOWSTD	LOWSTD	0.1ML	WP103185

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/09/23 14:05	IZ/SC	IZ/SC
	Preparation Group	**Analysis Group**

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Soil/Sludge Cyanide Preparation Sheet

PB157028

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
O5237-01	11TH-ST-1	1.06	50	N/A	N/A	N/A	N/A	N/A	N/A
O5252-01	WASTE	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
O5253-01	L-1(65FT)(5-10)	1.05	50	N/A	N/A	N/A	N/A	N/A	N/A
O5253-02	L-6(0-5)	1.05	50	N/A	N/A	N/A	N/A	N/A	N/A
O5253-03	L-3(120FT)(0-5)	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
O5253-04	L-3(195FT)(0-5)	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A
O5253-04DUP	L-3(195FT)(0-5)DUP	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
O5253-04MS	L-3(195FT)(0-5)MS	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
O5253-04MSD	L-3(195FT)(0-5)MSD	1.05	50	N/A	N/A	N/A	N/A	N/A	N/A
O5293-01	SB-1	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A
O5293-02	SB-2	1.06	50	N/A	N/A	N/A	N/A	N/A	N/A
O5293-03	SB-3	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
O5293-04	SB-4	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A
O5293-05	SB-5	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
O5293-06	SB-6	1.05	50	N/A	N/A	N/A	N/A	N/A	N/A
O5293-07	SB-7	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A
O5293-08	SB-8	1.06	50	N/A	N/A	N/A	N/A	N/A	N/A
O5312-01	P-4(170FT)(5-10)	1.05	50	N/A	N/A	N/A	N/A	N/A	N/A
O5312-02	DUP-03	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A
O5312-03	P-2(200FT)(5-10)	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
PB157028BL	PB157028BL	1.00	50	N/A	N/A	N/A	N/A	N/A	N/A
PB157028BS	LCS028	1.00	50	N/A	N/A	N/A	N/A	N/A	N/A