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

LAB CHRONICLE

OrderID:	P4473	**OrderDate:**	10/21/2024 3:15:00 PM
Client:	Yannuzzi Group, Inc.	**Project:**	86 Davidson Road, Piscataway, NJ
Contact:	Rafael Nunez	**Location:**	K61

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4473-01	**TS-1**	**SOIL**			**10/18/24**			**10/21/24**
			VOC-TCLVOA-10	8260D			10/24/24	

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Hit Summary Sheet
SW-846

SDG No.: P4473

Client: Yannuzzi Group, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**TS-1**								
P4473-01	TS-1	SOIL	Ethanol, 2-(trimethylsilyl)-	*	11.3	J	0	0	ug/Kg
			Total Tics :		11.3				
			Total Concentration:		11.3				

SAMPLE DATA

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

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/18/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/21/24
Client Sample ID:	TS-1	SDG No.:	P4473
Lab Sample ID:	P4473-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	48.8
Sample Wt/Vol:	4.99 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
VY020005.D	1		10/24/24 12:36	VY102424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	3.40	U	3.40	10.3	ug/Kg
74-87-3	Chloromethane	2.40	U	2.40	10.3	ug/Kg
75-01-4	Vinyl Chloride	1.60	U	1.60	10.3	ug/Kg
74-83-9	Bromomethane	2.10	U	2.10	10.3	ug/Kg
75-00-3	Chloroethane	2.10	U	2.10	10.3	ug/Kg
75-69-4	Trichlorofluoromethane	1.90	U	1.90	10.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.20	U	2.20	10.3	ug/Kg
75-35-4	1,1-Dichloroethene	1.60	U	1.60	10.3	ug/Kg
67-64-1	Acetone	12.8	U	12.8	51.3	ug/Kg
75-15-0	Carbon Disulfide	2.60	U	2.60	10.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.40	U	1.40	10.3	ug/Kg
79-20-9	Methyl Acetate	3.70	U	3.70	10.3	ug/Kg
75-09-2	Methylene Chloride	7.00	U	7.00	20.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.70	U	1.70	10.3	ug/Kg
75-34-3	1,1-Dichloroethane	1.30	U	1.30	10.3	ug/Kg
110-82-7	Cyclohexane	1.40	U	1.40	10.3	ug/Kg
78-93-3	2-Butanone	11.7	U	11.7	51.3	ug/Kg
56-23-5	Carbon Tetrachloride	1.80	U	1.80	10.3	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.30	U	1.30	10.3	ug/Kg
74-97-5	Bromochloromethane	5.00	U	5.00	10.3	ug/Kg
67-66-3	Chloroform	1.40	U	1.40	10.3	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.60	U	1.60	10.3	ug/Kg
108-87-2	Methylcyclohexane	1.80	U	1.80	10.3	ug/Kg
71-43-2	Benzene	1.50	U	1.50	10.3	ug/Kg
107-06-2	1,2-Dichloroethane	1.30	U	1.30	10.3	ug/Kg
79-01-6	Trichloroethene	1.50	U	1.50	10.3	ug/Kg
78-87-5	1,2-Dichloropropane	1.40	U	1.40	10.3	ug/Kg
75-27-4	Bromodichloromethane	1.10	U	1.10	10.3	ug/Kg
108-10-1	4-Methyl-2-Pentanone	8.90	U	8.90	51.3	ug/Kg
108-88-3	Toluene	1.40	U	1.40	10.3	ug/Kg

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Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/18/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/21/24
Client Sample ID:	TS-1	SDG No.:	P4473
Lab Sample ID:	P4473-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	48.8
Sample Wt/Vol:	4.99 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
VY020005.D	1		10/24/24 12:36	VY102424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.20	U	1.20	10.3	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.20	U	1.20	10.3	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.70	U	1.70	10.3	ug/Kg
591-78-6	2-Hexanone	9.80	U	9.80	51.3	ug/Kg
124-48-1	Dibromochloromethane	1.30	U	1.30	10.3	ug/Kg
106-93-4	1,2-Dibromoethane	1.60	U	1.60	10.3	ug/Kg
127-18-4	Tetrachloroethene	1.80	U	1.80	10.3	ug/Kg
108-90-7	Chlorobenzene	1.50	U	1.50	10.3	ug/Kg
100-41-4	Ethyl Benzene	1.30	U	1.30	10.3	ug/Kg
179601-23-1	m/p-Xylenes	2.80	U	2.80	20.5	ug/Kg
95-47-6	o-Xylene	1.40	U	1.40	10.3	ug/Kg
100-42-5	Styrene	1.20	U	1.20	10.3	ug/Kg
75-25-2	Bromoform	1.70	U	1.70	10.3	ug/Kg
98-82-8	Isopropylbenzene	1.40	U	1.40	10.3	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.30	U	2.30	10.3	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.50	U	1.50	10.3	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	10.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	10.3	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.20	U	3.20	10.3	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.60	U	1.60	10.3	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.60	U	1.60	10.3	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.2		70 (50) - 130 (163)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	48.8		70 (54) - 130 (147)	98%	SPK: 50
2037-26-5	Toluene-d8	50.4		70 (58) - 130 (134)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	35.3		70 (29) - 130 (146)	71%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	210000	7.713			
540-36-3	1,4-Difluorobenzene	420000	8.615			
3114-55-4	Chlorobenzene-d5	347000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	98400	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/18/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/21/24
Client Sample ID:	TS-1	SDG No.:	P4473
Lab Sample ID:	P4473-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	48.8
Sample Wt/Vol:	4.99 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
VY020005.D	1		10/24/24 12:36	VY102424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
002916-68-9	Ethanol, 2-(trimethylsilyl)-	11.3	J		6.89	ug/Kg

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

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

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: P4473

Client: Yannuzzi Group, Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4473-01	TS-1	1,2-Dichloroethane-d4	50	52.3	104	70 (50)	130 (163)
		Dibromofluoromethane	50	48.8	98	70 (54)	130 (147)
		Toluene-d8	50	50.4	101	70 (58)	130 (134)
		4-Bromofluorobenzene	50	35.3	71	70 (29)	130 (146)
VY1024SBL01	VY1024SBL01	1,2-Dichloroethane-d4	50	55.7	111	70 (50)	130 (163)
		Dibromofluoromethane	50	48.9	98	70 (54)	130 (147)
		Toluene-d8	50	50.4	101	70 (58)	130 (134)
		4-Bromofluorobenzene	50	39.8	80	70 (29)	130 (146)
VY1024SBS01	VY1024SBS01	1,2-Dichloroethane-d4	50	50.5	101	70 (50)	130 (163)
		Dibromofluoromethane	50	51.2	102	70 (54)	130 (147)
		Toluene-d8	50	50.4	101	70 (58)	130 (134)
		4-Bromofluorobenzene	50	48.9	98	70 (29)	130 (146)
VY1024SBSD01	VY1024SBSD01	1,2-Dichloroethane-d4	50	52.3	105	70 (50)	130 (163)
		Dibromofluoromethane	50	51.7	103	70 (54)	130 (147)
		Toluene-d8	50	49.6	99	70 (58)	130 (134)
		4-Bromofluorobenzene	50	48.3	97	70 (29)	130 (146)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4473

Client: Yannuzzi Group, Inc.

Analytical Method: SW8260D **Datafile :** VY020003.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1024SBS01	Dichlorodifluoromethane	20	17.0	ug/Kg	85			40 (64)	160 (136)	
	Chloromethane	20	19.3	ug/Kg	97			40 (70)	160 (130)	
	Vinyl chloride	20	20.6	ug/Kg	103			70 (72)	130 (129)	
	Bromomethane	20	21.9	ug/Kg	110			40 (58)	160 (141)	
	Chloroethane	20	22.0	ug/Kg	110			40 (69)	160 (130)	
	Trichlorofluoromethane	20	21.1	ug/Kg	106			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	21.5	ug/Kg	108			70 (81)	130 (123)	
	1,1-Dichloroethene	20	18.7	ug/Kg	94			70 (79)	130 (121)	
	Acetone	100	110	ug/Kg	110			40 (60)	160 (131)	
	Carbon disulfide	20	13.7	ug/Kg	69			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	21.4	ug/Kg	107			70 (77)	130 (129)	
	Methyl Acetate	20	20.4	ug/Kg	102			70 (69)	130 (149)	
	Methylene Chloride	20	21.3	ug/Kg	106			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	19.9	ug/Kg	100			70 (80)	130 (123)	
	1,1-Dichloroethane	20	23.6	ug/Kg	118			70 (82)	130 (123)	
	Cyclohexane	20	19.2	ug/Kg	96			70 (76)	130 (122)	
	2-Butanone	100	110	ug/Kg	110			40 (69)	160 (131)	
	Carbon Tetrachloride	20	21.6	ug/Kg	108			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	22.0	ug/Kg	110			70 (82)	130 (123)	
	Bromochloromethane	20	20.7	ug/Kg	104			70 (80)	130 (127)	
	Chloroform	20	24.5	ug/Kg	123			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	23.0	ug/Kg	115			70 (80)	130 (126)	
	Methylcyclohexane	20	18.9	ug/Kg	95			70 (77)	130 (123)	
	Benzene	20	21.8	ug/Kg	109			70 (84)	130 (121)	
	1,2-Dichloroethane	20	23.2	ug/Kg	116			70 (81)	130 (126)	
	Trichloroethene	20	21.3	ug/Kg	106			70 (83)	130 (122)	
	1,2-Dichloropropane	20	23.4	ug/Kg	117			70 (83)	130 (122)	
	Bromodichloromethane	20	23.5	ug/Kg	117			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	110	ug/Kg	110			40 (70)	160 (135)	
	Toluene	20	21.8	ug/Kg	109			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	20.7	ug/Kg	104			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	21.5	ug/Kg	108			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	23.2	ug/Kg	116			70 (82)	130 (125)	
	2-Hexanone	100	110	ug/Kg	110			40 (66)	160 (138)	
	Dibromochloromethane	20	22.4	ug/Kg	112			70 (79)	130 (125)	
	1,2-Dibromoethane	20	21.6	ug/Kg	108			70 (80)	130 (125)	
	Tetrachloroethene	20	19.7	ug/Kg	99			70 (83)	130 (125)	
	Chlorobenzene	20	22.0	ug/Kg	110			70 (84)	130 (122)	
	Ethyl Benzene	20	22.2	ug/Kg	111			70 (82)	130 (124)	
	m/p-Xylenes	40	43.3	ug/Kg	108			70 (83)	130 (124)	
	o-Xylene	20	22.1	ug/Kg	111			70 (83)	130 (123)	
	Styrene	20	21.9	ug/Kg	110			70 (82)	130 (124)	
	Bromoform	20	21.0	ug/Kg	105			70 (75)	130 (127)	
	Isopropylbenzene	20	22.9	ug/Kg	115			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	23.4	ug/Kg	117			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	22.3	ug/Kg	112			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	21.8	ug/Kg	109			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	21.8	ug/Kg	109			70 (83)	130 (124)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4473

Client: Yannuzzi Group, Inc.

Analytical Method: SW8260D **Datafile :** VY020003.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1024SBS01	1,2-Dibromo-3-Chloropropane	20	18.1	ug/Kg	91			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	20.3	ug/Kg	102			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	20.0	ug/Kg	100			70 (70)	130 (137)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4473

Client: Yannuzzi Group, Inc.

Analytical Method: SW8260D **Datafile :** VY020004.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY1024SBSD01	Dichlorodifluoromethane	20	16.4	ug/Kg	82	4		40 (64)	160 (136)	30 (20)
	Chloromethane	20	17.5	ug/Kg	88	10		40 (70)	160 (130)	30 (20)
	Vinyl chloride	20	17.4	ug/Kg	87	17		70 (72)	130 (129)	30 (20)
	Bromomethane	20	19.4	ug/Kg	97	13		40 (58)	160 (141)	30 (20)
	Chloroethane	20	18.5	ug/Kg	93	17		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	18.9	ug/Kg	95	11		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	19.6	ug/Kg	98	10		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	17.5	ug/Kg	88	7		70 (79)	130 (121)	30 (20)
	Acetone	100	100	ug/Kg	100	10		40 (60)	160 (131)	30 (20)
	Carbon disulfide	20	12.1	ug/Kg	61	12		40 (45)	160 (154)	30 (20)
	Methyl tert-butyl Ether	20	19.7	ug/Kg	99	8		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	19.4	ug/Kg	97	5		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	19.2	ug/Kg	96	10		70 (56)	130 (174)	30 (20)
	trans-1,2-Dichloroethene	20	17.0	ug/Kg	85	16		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	20.6	ug/Kg	103	14		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	17.1	ug/Kg	86	11		70 (76)	130 (122)	30 (20)
	2-Butanone	100	100	ug/Kg	100	10		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	18.9	ug/Kg	95	13		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	18.9	ug/Kg	95	15		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	20.2	ug/Kg	101	3		70 (80)	130 (127)	30 (20)
	Chloroform	20	21.0	ug/Kg	105	16		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	20.2	ug/Kg	101	13		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	16.3	ug/Kg	81	16		70 (77)	130 (123)	30 (20)
	Benzene	20	18.5	ug/Kg	93	16		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	19.7	ug/Kg	99	16		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	17.7	ug/Kg	89	17		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	19.8	ug/Kg	99	17		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	20.1	ug/Kg	101	15		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	100	ug/Kg	100	10		40 (70)	160 (135)	30 (20)
	Toluene	20	18.3	ug/Kg	92	17		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	18.0	ug/Kg	90	14		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	18.7	ug/Kg	94	14		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	20.1	ug/Kg	101	14		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	100	ug/Kg	100	10		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	19.0	ug/Kg	95	16		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	18.1	ug/Kg	91	17		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	17.7	ug/Kg	89	11		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	19.2	ug/Kg	96	14		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	19.0	ug/Kg	95	16		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	37.8	ug/Kg	95	13		70 (83)	130 (124)	30 (20)
	o-Xylene	20	18.9	ug/Kg	95	16		70 (83)	130 (123)	30 (20)
	Styrene	20	18.8	ug/Kg	94	16		70 (82)	130 (124)	30 (20)
	Bromoform	20	18.4	ug/Kg	92	13		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	20.2	ug/Kg	101	13		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	21.6	ug/Kg	108	8		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	19.0	ug/Kg	95	16		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	19.1	ug/Kg	96	13		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	19.3	ug/Kg	97	12		70 (83)	130 (124)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4473

Client: Yannuzzi Group, Inc.

Analytical Method: SW8260D **Datafile :** VY020004.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY1024SBSD01	1,2-Dibromo-3-Chloropropane	20	19.5	ug/Kg	98	7		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	17.8	ug/Kg	89	14		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	17.4	ug/Kg	87	14		70 (70)	130 (137)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1024SBL01

Lab Name: CHEMTECH Contract: YANN01

Lab Code: CHEM Case No.: P4473 SAS No.: P4473 SDG NO.: P4473

Lab File ID: VY020002.D Lab Sample ID: VY1024SBL01

Date Analyzed: 10/24/2024 Time Analyzed: 10:58

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
VY1024SBS01	VY1024SBS01	VY020003.D	10/24/2024
VY1024SBSD01	VY1024SBSD01	VY020004.D	10/24/2024
TS-1	P4473-01	VY020005.D	10/24/2024

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: YANN01

Lab Code: CHEM Case No.: P4473 SAS No.: P4473 SDG NO.: P4473

Lab File ID: VY019826.D BFB Injection Date: 10/09/2024

Instrument ID: MSVOA_Y BFB Injection Time: 09:33

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.4
75	30.0 - 60.0% of mass 95	56
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	76.9
175	5.0 - 9.0% of mass 174	5.6 (7.3) 1
176	95.0 - 101.0% of mass 174	73.9 (96.2) 1
177	5.0 - 9.0% of mass 176	4.8 (6.5) 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	VY019827.D	10/09/2024	10:18
VSTDICC010	VSTDICC010	VY019828.D	10/09/2024	10:41
VSTDICC020	VSTDICC020	VY019829.D	10/09/2024	11:04
VSTDICCC050	VSTDICCC050	VY019830.D	10/09/2024	11:26
VSTDICC100	VSTDICC100	VY019831.D	10/09/2024	11:49
VSTDICC150	VSTDICC150	VY019832.D	10/09/2024	12:11

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: YANN01

Lab Code: CHEM Case No.: P4473 SAS No.: P4473 SDG NO.: P4473

Lab File ID: VY020000.D BFB Injection Date: 10/24/2024

Instrument ID: MSVOA_Y BFB Injection Time: 09:35

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	24
75	30.0 - 60.0% of mass 95	59.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	1 (1.4) 1
174	50.0 - 100.0% of mass 95	71.1
175	5.0 - 9.0% of mass 174	5.6 (7.9) 1
176	95.0 - 101.0% of mass 174	68.6 (96.5) 1
177	5.0 - 9.0% of mass 176	4.9 (7.2) 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	VY020001.D	10/24/2024	10:18
VY1024SBL01	VY1024SBL01	VY020002.D	10/24/2024	10:58
VY1024SBS01	VY1024SBS01	VY020003.D	10/24/2024	11:43
VY1024SBSD01	VY1024SBSD01	VY020004.D	10/24/2024	12:06
TS-1	P4473-01	VY020005.D	10/24/2024	12:36

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: YANN01

Lab Code: CHEM Case No.: P4473 SAS No.: P4473 SDG NO.: P4473

Lab File ID: VY020001.D Date Analyzed: 10/24/2024

Instrument ID: MSVOA_Y Time Analyzed: 10:18

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	232783	7.71	418258	8.62	359637	11.42
UPPER LIMIT	465566	8.213	836516	9.116	719274	11.92
LOWER LIMIT	116392	7.213	209129	8.116	179819	10.92
EPA SAMPLE NO.						
TS-1	210153	7.71	419528	8.62	347384	11.42
VY1024SBL01	208622	7.71	444864	8.62	385664	11.42
VY1024SBS01	204148	7.71	362700	8.62	311120	11.41
VY1024SBSD01	225293	7.71	405827	8.62	339542	11.41

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: YANN01

Lab Code: CHEM Case No.: P4473 SAS No.: P4473 SDG NO.: P4473

Lab File ID: VY020001.D Date Analyzed: 10/24/2024

Instrument ID: MSVOA_Y Time Analyzed: 10:18

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

	IS4 AREA #	RT #				
12 HOUR STD	173628	13.346				
UPPER LIMIT	347256	13.846				
LOWER LIMIT	86814	12.846				
EPA SAMPLE NO.						
TS-1	98425	13.35				
VY1024SBL01	125898	13.35				
VY1024SBS01	144922	13.35				
VY1024SBSD01	155771	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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

QC SAMPLE DATA

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Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	
Client Sample ID:	VY1024SBL01	SDG No.:	P4473
Lab Sample ID:	VY1024SBL01	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
VY020002.D	1		10/24/24 10:58	VY102424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.70	U	1.70	5.00	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.77	U	0.77	5.00	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	5.00	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	0.91	U	0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	0.78	U	0.78	5.00	ug/Kg
67-64-1	Acetone	6.20	U	6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.67	U	0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	1.80	U	1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	3.40	U	3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.84	U	0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.63	U	0.63	5.00	ug/Kg
110-82-7	Cyclohexane	0.69	U	0.69	5.00	ug/Kg
78-93-3	2-Butanone	5.70	U	5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.87	U	0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.61	U	0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	2.40	U	2.40	5.00	ug/Kg
67-66-3	Chloroform	0.67	U	0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.78	U	0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.87	U	0.87	5.00	ug/Kg
71-43-2	Benzene	0.72	U	0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.61	U	0.61	5.00	ug/Kg
79-01-6	Trichloroethene	0.75	U	0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.66	U	0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.56	U	0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.40	U	4.40	25.0	ug/Kg
108-88-3	Toluene	0.67	U	0.67	5.00	ug/Kg

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Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	
Client Sample ID:	VY1024SBL01	SDG No.:	P4473
Lab Sample ID:	VY1024SBL01	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
VY020002.D	1		10/24/24 10:58	VY102424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.60	U	0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.57	U	0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	5.00	ug/Kg
591-78-6	2-Hexanone	4.80	U	4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.79	U	0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	0.89	U	0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	10.0	ug/Kg
95-47-6	o-Xylene	0.70	U	0.70	5.00	ug/Kg
100-42-5	Styrene	0.60	U	0.60	5.00	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.74	U	0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.80	U	0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.59	U	0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.79	U	0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.78	U	0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.7		70 (50) - 130 (163)	111%	SPK: 50
1868-53-7	Dibromofluoromethane	48.9		70 (54) - 130 (147)	98%	SPK: 50
2037-26-5	Toluene-d8	50.4		70 (58) - 130 (134)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.8		70 (29) - 130 (146)	80%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	209000	7.707			
540-36-3	1,4-Difluorobenzene	445000	8.616			
3114-55-4	Chlorobenzene-d5	386000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	126000	13.346			

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Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	
Client Sample ID:	VY1024SBL01	SDG No.:	P4473
Lab Sample ID:	VY1024SBL01	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
VY020002.D	1		10/24/24 10:58	VY102424

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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	
Client Sample ID:	VY1024SBS01	SDG No.:	P4473
Lab Sample ID:	VY1024SBS01	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
VY020003.D	1		10/24/24 11:43	VY102424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	17.0		1.70	5.00	ug/Kg
74-87-3	Chloromethane	19.3		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.6		0.77	5.00	ug/Kg
74-83-9	Bromomethane	21.9		1.00	5.00	ug/Kg
75-00-3	Chloroethane	22.0		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.1		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.5		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	18.7		0.78	5.00	ug/Kg
67-64-1	Acetone	110		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	13.7		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.4		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	20.4		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	21.3		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.9		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	23.6		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	19.2		0.69	5.00	ug/Kg
78-93-3	2-Butanone	110		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.6		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	22.0		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	20.7		2.40	5.00	ug/Kg
67-66-3	Chloroform	24.5		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	23.0		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.9		0.87	5.00	ug/Kg
71-43-2	Benzene	21.8		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	23.2		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	21.3		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	23.4		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	23.5		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		4.40	25.0	ug/Kg
108-88-3	Toluene	21.8		0.67	5.00	ug/Kg

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Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	
Client Sample ID:	VY1024SBS01	SDG No.:	P4473
Lab Sample ID:	VY1024SBS01	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
VY020003.D	1		10/24/24 11:43	VY102424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.7		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	21.5		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	23.2		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	110		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	22.4		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.6		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.7		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	22.0		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	22.2		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	43.3		1.40	10.0	ug/Kg
95-47-6	o-Xylene	22.1		0.70	5.00	ug/Kg
100-42-5	Styrene	21.9		0.60	5.00	ug/Kg
75-25-2	Bromoform	21.0		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	22.9		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	23.4		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	22.3		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	21.8		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	21.8		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	18.1		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.3		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.0		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.5		70 (50) - 130 (163)	101%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		70 (54) - 130 (147)	102%	SPK: 50
2037-26-5	Toluene-d8	50.4		70 (58) - 130 (134)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.9		70 (29) - 130 (146)	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	204000	7.713			
540-36-3	1,4-Difluorobenzene	363000	8.616			
3114-55-4	Chlorobenzene-d5	311000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	145000	13.347			

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

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	
Client Sample ID:	VY1024SBS01	SDG No.:	P4473
Lab Sample ID:	VY1024SBS01	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
VY020003.D	1		10/24/24 11:43	VY102424

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:	Yannuzzi Group, Inc.	Date Collected:	
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	
Client Sample ID:	VY1024SBSD01	SDG No.:	P4473
Lab Sample ID:	VY1024SBSD01	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
VY020004.D	1		10/24/24 12:06	VY102424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	16.4		1.70	5.00	ug/Kg
74-87-3	Chloromethane	17.5		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	17.4		0.77	5.00	ug/Kg
74-83-9	Bromomethane	19.4		1.00	5.00	ug/Kg
75-00-3	Chloroethane	18.5		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	18.9		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.6		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	17.5		0.78	5.00	ug/Kg
67-64-1	Acetone	100		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	12.1		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.7		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	19.4		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	19.2		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	17.0		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.6		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	17.1		0.69	5.00	ug/Kg
78-93-3	2-Butanone	100		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	18.9		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	18.9		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	20.2		2.40	5.00	ug/Kg
67-66-3	Chloroform	21.0		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.2		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	16.3		0.87	5.00	ug/Kg
71-43-2	Benzene	18.5		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	19.7		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	17.7		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	19.8		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.1		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		4.40	25.0	ug/Kg
108-88-3	Toluene	18.3		0.67	5.00	ug/Kg

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Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	
Client Sample ID:	VY1024SBSD01	SDG No.:	P4473
Lab Sample ID:	VY1024SBSD01	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
VY020004.D	1		10/24/24 12:06	VY102424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	18.0		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	18.7		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.1		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	100		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.0		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	18.1		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	17.7		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	19.2		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.0		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	37.8		1.40	10.0	ug/Kg
95-47-6	o-Xylene	18.9		0.70	5.00	ug/Kg
100-42-5	Styrene	18.8		0.60	5.00	ug/Kg
75-25-2	Bromoform	18.4		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.2		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.6		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.0		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.1		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.3		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.5		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	17.8		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	17.4		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.3		70 (50) - 130 (163)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		70 (54) - 130 (147)	103%	SPK: 50
2037-26-5	Toluene-d8	49.6		70 (58) - 130 (134)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		70 (29) - 130 (146)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	225000	7.707			
540-36-3	1,4-Difluorobenzene	406000	8.616			
3114-55-4	Chlorobenzene-d5	340000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	156000	13.347			

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Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	
Client Sample ID:	VY1024SBSD01	SDG No.:	P4473
Lab Sample ID:	VY1024SBSD01	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
VY020004.D	1		10/24/24 12:06	VY102424

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

CALIBRATION SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: YANN01

Lab Code: CHEM Case No.: P4473 SAS No.: P4473 SDG No.: P4473

Instrument ID: MSVOA_Y Calibration Date(s): 10/09/2024 10/09/2024

Heated Purge: (Y/N) Y Calibration Time(s): 10:18 12:11

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

LAB FILE ID: RRF005 = VY019827.D RRF010 = VY019828.D RRF020 = VY019829.D
RRF050 = VY019830.D RRF100 = VY019831.D RRF150 = VY019832.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.500	0.498	0.410	0.458	0.434	0.492	0.465	8.1
Chloromethane	0.643	0.637	0.517	0.616	0.550	0.671	0.606	9.8
Vinyl Chloride	0.707	0.685	0.579	0.688	0.624	0.716	0.667	8
Bromomethane	0.458	0.447	0.357	0.433	0.390	0.447	0.422	9.4
Chloroethane	0.493	0.469	0.390	0.456	0.408	0.472	0.448	8.9
Trichlorofluoromethane	1.101	1.016	0.868	1.000	0.915	1.051	0.992	8.7
1,1,2-Trichlorotrifluoroethane	0.619	0.611	0.509	0.581	0.535	0.606	0.577	7.8
1,1-Dichloroethene	0.588	0.558	0.453	0.550	0.499	0.570	0.536	9.4
Acetone	0.196	0.156	0.134	0.170	0.152	0.153	0.160	12.9
Carbon Disulfide	1.501	1.392	1.193	1.552	1.404	1.586	1.438	10
Methyl tert-butyl Ether	1.719	1.559	1.334	1.574	1.443	1.617	1.541	8.8
Methyl Acetate	0.393	0.334	0.301	0.350	0.321	0.372	0.345	9.7
Methylene Chloride	0.869	0.695	0.551	0.619	0.543	0.603	0.647	18.9
trans-1,2-Dichloroethene	0.630	0.597	0.511	0.605	0.547	0.612	0.584	7.7
1,1-Dichloroethane	1.288	1.219	1.025	1.202	1.084	1.214	1.172	8.3
Cyclohexane	1.262	1.098	0.863	1.009	0.915	1.024	1.029	13.8
2-Butanone	0.251	0.217	0.186	0.222	0.201	0.211	0.215	10.2
Carbon Tetrachloride	0.525	0.505	0.446	0.527	0.495	0.559	0.510	7.5
cis-1,2-Dichloroethene	0.777	0.766	0.628	0.740	0.669	0.749	0.721	8.2
Bromochloromethane	0.607	0.470	0.502	0.529	0.483	0.504	0.516	9.5
Chloroform	1.318	1.238	1.055	1.225	1.102	1.229	1.195	8.1
1,1,1-Trichloroethane	1.118	1.091	0.915	1.067	0.978	1.112	1.047	7.9
Methylcyclohexane	0.629	0.584	0.512	0.629	0.581	0.658	0.599	8.6
Benzene	1.512	1.474	1.283	1.488	1.361	1.514	1.439	6.6
1,2-Dichloroethane	0.448	0.399	0.368	0.430	0.398	0.436	0.413	7.3
Trichloroethene	0.381	0.340	0.300	0.366	0.333	0.370	0.348	8.7
1,2-Dichloropropane	0.390	0.375	0.322	0.366	0.337	0.371	0.360	7.1
Bromodichloromethane	0.549	0.524	0.456	0.543	0.501	0.560	0.522	7.4
4-Methyl-2-Pentanone	0.281	0.247	0.220	0.269	0.254	0.275	0.258	8.7
Toluene	0.930	0.892	0.800	0.940	0.866	0.960	0.898	6.5

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

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: YANN01

Lab Code: CHEM Case No.: P4473 SAS No.: P4473 SDG No.: P4473

Instrument ID: MSVOA_Y Calibration Date(s): 10/09/2024 10/09/2024

Heated Purge: (Y/N) Y Calibration Time(s): 10:18 12:11

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

LAB FILE ID: RRF005 = VY019827.D RRF010 = VY019828.D RRF020 = VY019829.D
RRF050 = VY019830.D RRF100 = VY019831.D RRF150 = VY019832.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.477	0.448	0.408	0.497	0.464	0.524	0.470	8.6
cis-1,3-Dichloropropene	0.577	0.537	0.489	0.579	0.542	0.603	0.554	7.3
1,1,2-Trichloroethane	0.280	0.257	0.230	0.269	0.248	0.271	0.259	6.9
2-Hexanone	0.193	0.173	0.160	0.197	0.185	0.197	0.184	8.1
Dibromochloromethane	0.348	0.317	0.294	0.344	0.328	0.364	0.333	7.5
1,2-Dibromoethane	0.244	0.234	0.207	0.246	0.226	0.248	0.234	6.7
Tetrachloroethene	0.379	0.366	0.316	0.368	0.328	0.377	0.356	7.6
Chlorobenzene	1.226	1.167	1.032	1.171	1.064	1.202	1.144	6.8
Ethyl Benzene	2.177	2.100	1.861	2.164	1.953	2.209	2.077	6.7
m/p-Xylenes	0.802	0.781	0.691	0.796	0.720	0.813	0.767	6.5
o-Xylene	0.750	0.756	0.665	0.769	0.700	0.783	0.737	6.1
Styrene	1.276	1.238	1.120	1.304	1.191	1.333	1.244	6.3
Bromoform	0.208	0.198	0.180	0.220	0.204	0.232	0.207	8.7
Isopropylbenzene	4.420	4.371	3.794	4.268	3.912	4.470	4.206	6.7
1,1,2,2-Tetrachloroethane	0.796	0.737	0.664	0.763	0.719	0.805	0.747	7
1,3-Dichlorobenzene	1.968	1.892	1.598	1.819	1.651	1.887	1.802	8.1
1,4-Dichlorobenzene	1.928	1.831	1.572	1.801	1.635	1.856	1.771	7.8
1,2-Dichlorobenzene	1.716	1.620	1.416	1.612	1.474	1.663	1.584	7.3
1,2-Dibromo-3-Chloropropane	0.133	0.115	0.100	0.121	0.118	0.129	0.119	9.7
1,2,4-Trichlorobenzene	0.860	0.832	0.758	0.965	0.886	1.027	0.888	10.8
1,2,3-Trichlorobenzene	0.716	0.698	0.634	0.823	0.761	0.872	0.751	11.5
1,2-Dichloroethane-d4	0.701	0.656	0.566	0.581	0.583	0.607	0.616	8.5
Dibromofluoromethane	0.356	0.335	0.300	0.321	0.326	0.341	0.330	5.8
Toluene-d8	1.299	1.254	1.134	1.185	1.191	1.246	1.218	4.9
4-Bromofluorobenzene	0.498	0.438	0.402	0.426	0.427	0.450	0.440	7.4

* 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.

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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: YANN01

Lab Code: CHEM Case No.: P4473 SAS No.: P4473 SDG No.: P4473

Instrument ID: MSVOA_Y Calibration Date/Time: 10/24/2024 10:18

Lab File ID: VY020001.D Init. Calib. Date(s): 10/09/2024 10/09/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:18 12:11

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.465	0.385		-17.2	20
Chloromethane	0.606	0.616	0.1	1.65	20
Vinyl Chloride	0.667	0.723		8.4	20
Bromomethane	0.422	0.474		12.32	20
Chloroethane	0.448	0.514		14.73	20
Trichlorofluoromethane	0.992	1.061		6.96	20
1,1,2-Trichlorotrifluoroethane	0.577	0.607		5.2	20
1,1-Dichloroethene	0.536	0.540		0.75	20
Acetone	0.160	0.197		23.13	20
Carbon Disulfide	1.438	1.222		-15.02	20
Methyl tert-butyl Ether	1.541	1.677		8.82	20
Methyl Acetate	0.345	0.408		18.26	20
Methylene Chloride	0.647	0.646		-0.16	20
trans-1,2-Dichloroethene	0.584	0.604		3.42	20
1,1-Dichloroethane	1.172	1.376	0.1	17.41	20
Cyclohexane	1.029	1.055		2.53	20
2-Butanone	0.215	0.247		14.88	20
Carbon Tetrachloride	0.510	0.563		10.39	20
cis-1,2-Dichloroethene	0.721	0.811		12.48	20
Bromochloromethane	0.516	0.582		12.79	20
Chloroform	1.195	1.407		17.74	20
1,1,1-Trichloroethane	1.047	1.211		15.66	20
Methylcyclohexane	0.599	0.622		3.84	20
Benzene	1.439	1.575		9.45	20
1,2-Dichloroethane	0.413	0.467		13.07	20
Trichloroethene	0.348	0.365		4.89	20
1,2-Dichloropropane	0.360	0.413		14.72	20
Bromodichloromethane	0.522	0.599		14.75	20
4-Methyl-2-Pentanone	0.258	0.295		14.34	20
Toluene	0.898	1.011		12.58	20
t-1,3-Dichloropropene	0.470	0.517		10	20
cis-1,3-Dichloropropene	0.554	0.620		11.91	20
1,1,2-Trichloroethane	0.259	0.289		11.58	20
2-Hexanone	0.184	0.213		15.76	20
Dibromochloromethane	0.333	0.368		10.51	20
1,2-Dibromoethane	0.234	0.249		6.41	20
Tetrachloroethene	0.356	0.355		-0.28	20
Chlorobenzene	1.144	1.257	0.3	9.88	20

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

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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: YANN01

Lab Code: CHEM Case No.: P4473 SAS No.: P4473 SDG No.: P4473

Instrument ID: MSVOA_Y Calibration Date/Time: 10/24/2024 10:18

Lab File ID: VY020001.D Init. Calib. Date(s): 10/09/2024 10/09/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:18 12:11

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.077	2.358		13.53	20
m/p-Xylenes	0.767	0.851		10.95	20
o-Xylene	0.737	0.821		11.4	20
Styrene	1.244	1.418		13.99	20
Bromoform	0.207	0.224	0.1	8.21	20
Isopropylbenzene	4.206	4.678		11.22	20
1,1,2,2-Tetrachloroethane	0.747	0.836	0.3	11.91	20
1,3-Dichlorobenzene	1.802	1.911		6.05	20
1,4-Dichlorobenzene	1.771	1.877		5.99	20
1,2-Dichlorobenzene	1.584	1.692		6.82	20
1,2-Dibromo-3-Chloropropane	0.119	0.117		-1.68	20
1,2,4-Trichlorobenzene	0.888	0.871		-1.91	20
1,2,3-Trichlorobenzene	0.751	0.724		-3.6	20
1,2-Dichloroethane-d4	0.616	0.638		3.57	20
Dibromofluoromethane	0.330	0.338		2.42	20
Toluene-d8	1.218	1.217		-0.08	20
4-Bromofluorobenzene	0.440	0.448		1.82	20

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

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LAB CHRONICLE

OrderID:	P4473	**OrderDate:**	10/21/2024 3:15:00 PM
Client:	Yannuzzi Group, Inc.	**Project:**	86 Davidson Road, Piscataway, NJ
Contact:	Rafael Nunez	**Location:**	K61

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4473-01	**TS-1**	**SOIL**			**10/18/24**			**10/21/24**
			SVOC-TCL BNA -20	8270E		10/22/24	10/24/24	

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Hit Summary Sheet
SW-846

SDG No.: P4473

Client: Yannuzzi Group, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID : TS-1									
P4473-01	TS-1	SOIL	.beta.-Amyrone	*	920.000	J	0	0	ug/Kg
P4473-01	TS-1	SOIL	.beta.-iso-Methyl ionone	*	1,100.000	J	0	0	ug/Kg
P4473-01	TS-1	SOIL	.gamma.-Sitosterol	*	2,700.000	J	0	0	ug/Kg
P4473-01	TS-1	SOIL	1,1,4a-Trimethyl-5,6-dimethylene	*	690.000	J	0	0	ug/Kg
P4473-01	TS-1	SOIL	10,18-Bisnorabieta-5,7,9(10),11,1	*	690.000	J	0	0	ug/Kg
P4473-01	TS-1	SOIL	1-Docosene	*	490.000	J	0	0	ug/Kg
P4473-01	TS-1	SOIL	2-Heptadecanone	*	320.000	J	0	0	ug/Kg
P4473-01	TS-1	SOIL	5-Eicosene, (E)-	*	320.000	J	0	0	ug/Kg
P4473-01	TS-1	SOIL	Benzophenone	*	670.000	J	0	0	ug/Kg
P4473-01	TS-1	SOIL	Butane, 2-methoxy-2-methyl-	*	5,000.000	JB	0	0	ug/Kg
P4473-01	TS-1	SOIL	Cycloeicosane	*	740.000	J	0	0	ug/Kg
P4473-01	TS-1	SOIL	D-Friedoolean-14-en-3-ol	*	2,100.000	J	0	0	ug/Kg
P4473-01	TS-1	SOIL	D-Friedoolean-14-en-3-one	*	2,600.000	J	0	0	ug/Kg
P4473-01	TS-1	SOIL	Heneicosane	*	420.000	J	0	0	ug/Kg
P4473-01	TS-1	SOIL	Lupeol	*	2,500.000	J	0	0	ug/Kg
P4473-01	TS-1	SOIL	n-Hexadecanoic acid	*	1,600.000	J	0	0	ug/Kg
P4473-01	TS-1	SOIL	Octacosane	*	480.000	J	0	0	ug/Kg
P4473-01	TS-1	SOIL	Octadecanoic acid	*	490.000	J	0	0	ug/Kg
P4473-01	TS-1	SOIL	Olean-18-ene	*	1,300.000	J	0	0	ug/Kg
P4473-01	TS-1	SOIL	unknown14.839	*	3,000.000	J	0	0	ug/Kg
			Total Tics :		**28,130.00**				
			Total Concentration:		**28,130.00**				

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/18/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/21/24
Client Sample ID:	TS-1	SDG No.:	P4473
Lab Sample ID:	P4473-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	48.8
Sample Wt/Vol:	30.04 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
BF139985.D	1	10/22/24 10:44	10/24/24 01:08	PB164312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	370	U	370	680	ug/Kg
108-95-2	Phenol	170	U	170	350	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	170	U	170	350	ug/Kg
95-57-8	2-Chlorophenol	170	U	170	350	ug/Kg
95-48-7	2-Methylphenol	160	U	160	350	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	190	U	190	350	ug/Kg
98-86-2	Acetophenone	180	U	180	350	ug/Kg
65794-96-9	3+4-Methylphenols	160	U	160	680	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	82.5	U	82.5	160	ug/Kg
67-72-1	Hexachloroethane	170	U	170	350	ug/Kg
98-95-3	Nitrobenzene	190	U	190	350	ug/Kg
78-59-1	Isophorone	170	U	170	350	ug/Kg
88-75-5	2-Nitrophenol	190	U	190	350	ug/Kg
105-67-9	2,4-Dimethylphenol	190	U	190	350	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	180	U	180	350	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	150	350	ug/Kg
91-20-3	Naphthalene	170	U	170	350	ug/Kg
106-47-8	4-Chloroaniline	170	U	170	350	ug/Kg
87-68-3	Hexachlorobutadiene	170	U	170	350	ug/Kg
105-60-2	Caprolactam	180	U	180	680	ug/Kg
59-50-7	4-Chloro-3-methylphenol	160	U	160	350	ug/Kg
91-57-6	2-Methylnaphthalene	170	U	170	350	ug/Kg
77-47-4	Hexachlorocyclopentadiene	320	UQ	320	680	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	150	350	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	U	150	350	ug/Kg
92-52-4	1,1-Biphenyl	180	U	180	350	ug/Kg
91-58-7	2-Chloronaphthalene	170	U	170	350	ug/Kg
88-74-4	2-Nitroaniline	190	U	190	350	ug/Kg
131-11-3	Dimethylphthalate	170	U	170	350	ug/Kg

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Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/18/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/21/24
Client Sample ID:	TS-1	SDG No.:	P4473
Lab Sample ID:	P4473-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	48.8
Sample Wt/Vol:	30.04 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
BF139985.D	1	10/22/24 10:44	10/24/24 01:08	PB164312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	180	U	180	350	ug/Kg
606-20-2	2,6-Dinitrotoluene	170	U	170	350	ug/Kg
99-09-2	3-Nitroaniline	180	U	180	350	ug/Kg
83-32-9	Acenaphthene	170	U	170	350	ug/Kg
51-28-5	2,4-Dinitrophenol	500	U	500	680	ug/Kg
100-02-7	4-Nitrophenol	240	U	240	680	ug/Kg
132-64-9	Dibenzofuran	170	U	170	350	ug/Kg
121-14-2	2,4-Dinitrotoluene	180	U	180	350	ug/Kg
84-66-2	Diethylphthalate	160	U	160	350	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	180	U	180	350	ug/Kg
86-73-7	Fluorene	170	U	170	350	ug/Kg
100-01-6	4-Nitroaniline	220	U	220	350	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	240	UQ	240	680	ug/Kg
86-30-6	n-Nitrosodiphenylamine	170	U	170	350	ug/Kg
101-55-3	4-Bromophenyl-phenylether	160	U	160	350	ug/Kg
118-74-1	Hexachlorobenzene	170	U	170	350	ug/Kg
1912-24-9	Atrazine	190	U	190	350	ug/Kg
87-86-5	Pentachlorophenol	160	U	160	680	ug/Kg
85-01-8	Phenanthrene	170	U	170	350	ug/Kg
120-12-7	Anthracene	170	U	170	350	ug/Kg
86-74-8	Carbazole	160	U	160	350	ug/Kg
84-74-2	Di-n-butylphthalate	170	U	170	350	ug/Kg
206-44-0	Fluoranthene	170	U	170	350	ug/Kg
129-00-0	Pyrene	170	U	170	350	ug/Kg
85-68-7	Butylbenzylphthalate	200	U	200	350	ug/Kg
91-94-1	3,3-Dichlorobenzidine	200	U	200	680	ug/Kg
56-55-3	Benzo(a)anthracene	170	U	170	350	ug/Kg
218-01-9	Chrysene	160	U	160	350	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	190	U	190	350	ug/Kg
117-84-0	Di-n-octyl phthalate	230	U	230	680	ug/Kg
205-99-2	Benzo(b)fluoranthene	170	U	170	350	ug/Kg

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Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/18/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/21/24
Client Sample ID:	TS-1	SDG No.:	P4473
Lab Sample ID:	P4473-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	48.8
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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
BF139985.D	1	10/22/24 10:44	10/24/24 01:08	PB164312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	170	U	170	350	ug/Kg
50-32-8	Benzo(a)pyrene	190	U	190	350	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	160	U	160	350	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	170	U	170	350	ug/Kg
191-24-2	Benzo(g,h,i)perylene	160	U	160	350	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	180	U	180	350	ug/Kg
123-91-1	1,4-Dioxane	230	U	230	350	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	150	350	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	75.7		30 (18) - 130 (112)	50%	SPK: 150
13127-88-3	Phenol-d6	70.8		30 (15) - 130 (107)	47%	SPK: 150
4165-60-0	Nitrobenzene-d5	61.7		30 (18) - 130 (107)	62%	SPK: 100
321-60-8	2-Fluorobiphenyl	59.6		30 (20) - 130 (109)	60%	SPK: 100
118-79-6	2,4,6-Tribromophenol	80.0		30 (10) - 130 (116)	53%	SPK: 150
1718-51-0	Terphenyl-d14	35.2		30 (10) - 130 (105)	35%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	122000	6.892			
1146-65-2	Naphthalene-d8	420000	8.169			
15067-26-2	Acenaphthene-d10	194000	9.928			
1517-22-2	Phenanthrene-d10	323000	11.41			
1719-03-5	Chrysene-d12	308000	14.051			
1520-96-3	Perylene-d12	232000	15.527			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	5000	JB		2.20	ug/Kg
000119-61-9	Benzophenone	670	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	1600	J		11.9	ug/Kg
006566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13	690	J		12.7	ug/Kg
000057-11-4	Octadecanoic acid	490	J		12.7	ug/Kg
000296-56-0	Cycloeicosane	740	J		13.9	ug/Kg
001599-67-3	1-Docosene	490	J		14.5	ug/Kg

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Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/18/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/21/24
Client Sample ID:	TS-1	SDG No.:	P4473
Lab Sample ID:	P4473-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	48.8
Sample Wt/Vol:	30.04 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
BF139985.D	1	10/22/24 10:44	10/24/24 01:08	PB164312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
	unknown14.839	3000	J		14.8	ug/Kg
000630-02-4	Octacosane	480	J		15.2	ug/Kg
002922-51-2	2-Heptadecanone	320	J		15.3	ug/Kg
000629-94-7	Heneicosane	420	J		16.0	ug/Kg
074685-30-6	5-Eicosene, (E)-	320	J		16.1	ug/Kg
1000193-60-8	1,1,4a-Trimethyl-5,6-dimethylenede	690	J		16.2	ug/Kg
1000285-40-2	.beta.-iso-Methyl ionone	1100	J		17.1	ug/Kg
000432-11-1	Olean-18-ene	1300	J		17.4	ug/Kg
000083-47-6	.gamma.-Sitosterol	2700	J		17.7	ug/Kg
000514-07-8	D-Friedoolean-14-en-3-one	2600	J		17.7	ug/Kg
081654-73-1	D-Friedoolean-14-en-3-ol	2100	J		18.0	ug/Kg
000638-97-1	.beta.-Amyrone	920	J		18.1	ug/Kg
000545-47-1	Lupeol	2500	J		18.5	ug/Kg

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

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

QC SUMMARY

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

Surrogate Summary

SW-846

SDG No.: P4473

Client: Yannuzzi Group, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P4467-01MS	TP-1MS	2-Fluorophenol	150	83.4	56		30 (18)	130 (112)
		Phenol-d6	150	81.7	54		30 (15)	130 (107)
		Nitrobenzene-d5	100	61.8	62		30 (18)	130 (107)
		2-Fluorobiphenyl	100	58.9	59		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	96.0	64		30 (10)	130 (116)
		Terphenyl-d14	100	55.7	56		30 (10)	130 (105)
P4467-01MSD	TP-1MSD	2-Fluorophenol	150	94.9	63		30 (18)	130 (112)
		Phenol-d6	150	92.7	62		30 (15)	130 (107)
		Nitrobenzene-d5	100	70.6	71		30 (18)	130 (107)
		2-Fluorobiphenyl	100	68.2	68		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	110	74		30 (10)	130 (116)
		Terphenyl-d14	100	64.9	65		30 (10)	130 (105)
P4473-01	TS-1	2-Fluorophenol	150	75.7	50		30 (18)	130 (112)
		Phenol-d6	150	70.8	47		30 (15)	130 (107)
		Nitrobenzene-d5	100	61.7	62		30 (18)	130 (107)
		2-Fluorobiphenyl	100	59.6	60		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	80.0	53		30 (10)	130 (116)
		Terphenyl-d14	100	35.2	35		30 (10)	130 (105)
PB164312BL	PB164312BL	2-Fluorophenol	150	131	87		30 (18)	130 (112)
		Phenol-d6	150	126	84		30 (15)	130 (107)
		Nitrobenzene-d5	100	96.5	96		30 (18)	130 (107)
		2-Fluorobiphenyl	100	93.3	93		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	158	105		30 (10)	130 (116)
		Terphenyl-d14	100	92.9	93		30 (10)	130 (105)
PB164312BS	PB164312BS	2-Fluorophenol	150	129	86		30 (18)	130 (112)
		Phenol-d6	150	126	84		30 (15)	130 (107)
		Nitrobenzene-d5	100	99.4	99		30 (18)	130 (107)
		2-Fluorobiphenyl	100	93.9	94		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	157	104		30 (10)	130 (116)
		Terphenyl-d14	100	105	105		30 (10)	130 (105)

( ) = LABORATORY INHOUSE LIMIT

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4473

Client: Yannuzzi Group, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4467-01MS		**Client Sample ID: TP-1MS**						**DataFile: BF140004.D**			
Benzaldehyde	1100	0	290	ug/Kg	26				20 (10)	160 (86)	
Phenol	1100	0	960	ug/Kg	87				20 (67)	160 (126)	
bis(2-Chloroethyl)ether	1100	0	950	ug/Kg	86				70 (54)	130 (125)	
2-Chlorophenol	1100	0	990	ug/Kg	90				70 (79)	130 (107)	
2-Methylphenol	1100	0	960	ug/Kg	87				70 (66)	130 (122)	
2,2-oxybis(1-Chloropropane)	1100	0	910	ug/Kg	83				70 (65)	130 (110)	
Acetophenone	1100	0	950	ug/Kg	86				70 (75)	130 (111)	
3+4-Methylphenols	1100	0	920	ug/Kg	84				20 (66)	160 (104)	
N-Nitroso-di-n-propylamine	1100	0	930	ug/Kg	85				70 (59)	130 (119)	
Hexachloroethane	1100	0	940	ug/Kg	85				20 (65)	160 (117)	
Nitrobenzene	1100	0	930	ug/Kg	85				70 (70)	130 (119)	
Isophorone	1100	0	970	ug/Kg	88				70 (76)	130 (122)	
2-Nitrophenol	1100	0	1200	ug/Kg	109				70 (54)	130 (145)	
2,4-Dimethylphenol	1100	0	1100	ug/Kg	100				70 (44)	130 (135)	
bis(2-Chloroethoxy)methane	1100	0	950	ug/Kg	86				70 (68)	130 (112)	
2,4-Dichlorophenol	1100	0	1000	ug/Kg	91				70 (72)	130 (118)	
Naphthalene	1100	0	950	ug/Kg	86				70 (72)	130 (110)	
4-Chloroaniline	1100	0	350	ug/Kg	32	*			70 (10)	130 (91)	
Hexachlorobutadiene	1100	0	970	ug/Kg	88				70 (66)	130 (114)	
Caprolactam	1100	0	990	ug/Kg	90				20 (51)	160 (134)	
4-Chloro-3-methylphenol	1100	0	960	ug/Kg	87				70 (57)	130 (132)	
2-Methylnaphthalene	1100	0	970	ug/Kg	88				70 (59)	130 (123)	
Hexachlorocyclopentadiene	2200	0	3500	ug/Kg	159				20 (10)	160 (175)	
2,4,6-Trichlorophenol	1100	0	1000	ug/Kg	91				70 (72)	130 (117)	
2,4,5-Trichlorophenol	1100	0	990	ug/Kg	90				70 (72)	130 (117)	
1,1-Biphenyl	1100	0	980	ug/Kg	89				70 (75)	130 (113)	
2-Chloronaphthalene	1100	0	960	ug/Kg	87				70 (67)	130 (118)	
2-Nitroaniline	1100	0	1100	ug/Kg	100				70 (69)	130 (127)	
Dimethylphthalate	1100	0	1000	ug/Kg	91				70 (70)	130 (113)	
Acenaphthylene	1100	0	1000	ug/Kg	91				70 (79)	130 (118)	
2,6-Dinitrotoluene	1100	0	1000	ug/Kg	91				70 (70)	130 (125)	
3-Nitroaniline	1100	0	660	ug/Kg	60	*			70 (30)	130 (99)	
Acenaphthene	1100	0	1100	ug/Kg	100				70 (70)	130 (121)	
2,4-Dinitrophenol	2200	0	2200	ug/Kg	100				20 (10)	160 (155)	
4-Nitrophenol	2200	0	2000	ug/Kg	91				20 (45)	160 (133)	
Dibenzofuran	1100	0	980	ug/Kg	89				70 (72)	130 (110)	
2,4-Dinitrotoluene	1100	0	1100	ug/Kg	100				70 (55)	130 (128)	
Diethylphthalate	1100	0	990	ug/Kg	90				70 (70)	130 (112)	
4-Chlorophenyl-phenylether	1100	0	980	ug/Kg	89				70 (71)	130 (108)	
Fluorene	1100	0	960	ug/Kg	87				70 (68)	130 (116)	
4-Nitroaniline	1100	0	1000	ug/Kg	91				70 (55)	130 (120)	
4,6-Dinitro-2-methylphenol	1100	0	1300	ug/Kg	118				70 (10)	130 (160)	
N-Nitrosodiphenylamine	1100	0	1000	ug/Kg	91				70 (73)	130 (118)	
4-Bromophenyl-phenylether	1100	0	1000	ug/Kg	91				70 (65)	130 (121)	
Hexachlorobenzene	1100	0	1000	ug/Kg	91				70 (67)	130 (118)	
Atrazine	1100	0	1200	ug/Kg	109				70 (79)	130 (127)	

( ) = LABORATORY INHOUSE LIMIT

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Fax : 908 789 8922

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4473

Client: Yannuzzi Group, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	2200	0	1800	ug/Kg	82				20 (47)	160 (128)	
Phenanthrene	1100	0	980	ug/Kg	89				70 (52)	130 (128)	
Anthracene	1100	0	1000	ug/Kg	91				70 (62)	130 (124)	
Carbazole	1100	0	910	ug/Kg	83				70 (59)	130 (119)	
Di-n-butylphthalate	1100	0	1000	ug/Kg	91				70 (69)	130 (118)	
Fluoranthene	1100	0	860	ug/Kg	78				70 (44)	130 (125)	
Pyrene	1100	0	910	ug/Kg	83				70 (26)	130 (142)	
Butylbenzylphthalate	1100	0	1200	ug/Kg	109				70 (64)	130 (126)	
3,3-Dichlorobenzidine	1100	0	780	ug/Kg	71				70 (33)	130 (116)	
Benzo(a)anthracene	1100	0	1000	ug/Kg	91				70 (71)	130 (114)	
Chrysene	1100	0	980	ug/Kg	89				70 (57)	130 (121)	
bis(2-Ethylhexyl)phthalate	1100	0	1300	ug/Kg	118				70 (42)	130 (169)	
Di-n-octyl phthalate	1100	0	1200	ug/Kg	109				70 (23)	130 (175)	
Benzo(b)fluoranthene	1100	0	880	ug/Kg	80				70 (67)	130 (121)	
Benzo(k)fluoranthene	1100	0	1000	ug/Kg	91				70 (57)	130 (134)	
Benzo(a)pyrene	1100	0	1100	ug/Kg	100				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	1100	0	1000	ug/Kg	91				70 (40)	130 (129)	
Dibenz(a,h)anthracene	1100	0	1000	ug/Kg	91				70 (43)	130 (123)	
Benzo(g,h,i)perylene	1100	0	870	ug/Kg	79				70 (24)	130 (125)	
1,2,4,5-Tetrachlorobenzene	1100	0	990	ug/Kg	90				70 (69)	130 (124)	
1,4-Dioxane	1100	0	840	ug/Kg	76				20 (46)	160 (112)	
2,3,4,6-Tetrachlorophenol	1100	0	1000	ug/Kg	91				70 (69)	130 (112)	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4473

Client: Yannuzzi Group, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4467-01MSD		**Client Sample ID: TP-1MSD**						**DataFile: BF140005.D**			
Benzaldehyde	1100	0	340	ug/Kg	31		18		20 (10)	160 (86)	30 (20)
Phenol	1100	0	1100	ug/Kg	100		14		20 (67)	160 (126)	30 (20)
bis(2-Chloroethyl)ether	1100	0	1100	ug/Kg	100		15		70 (54)	130 (125)	30 (20)
2-Chlorophenol	1100	0	1100	ug/Kg	100		11		70 (79)	130 (107)	30 (20)
2-Methylphenol	1100	0	1100	ug/Kg	100		14		70 (66)	130 (122)	30 (20)
2,2-oxybis(1-Chloropropane)	1100	0	1000	ug/Kg	91		9		70 (65)	130 (110)	30 (20)
Acetophenone	1100	0	1100	ug/Kg	100		15		70 (75)	130 (111)	30 (20)
3+4-Methylphenols	1100	0	1100	ug/Kg	100		17		20 (66)	160 (104)	30 (20)
N-Nitroso-di-n-propylamine	1100	0	1100	ug/Kg	100		16		70 (59)	130 (119)	30 (20)
Hexachloroethane	1100	0	1100	ug/Kg	100		16		20 (65)	160 (117)	30 (20)
Nitrobenzene	1100	0	1100	ug/Kg	100		16		70 (70)	130 (119)	30 (20)
Isophorone	1100	0	1100	ug/Kg	100		13		70 (76)	130 (122)	30 (20)
2-Nitrophenol	1100	0	1400	ug/Kg	127		15		70 (54)	130 (145)	30 (20)
2,4-Dimethylphenol	1100	0	1300	ug/Kg	118		17		70 (44)	130 (135)	30 (20)
bis(2-Chloroethoxy)methane	1100	0	1100	ug/Kg	100		15		70 (68)	130 (112)	30 (20)
2,4-Dichlorophenol	1100	0	1100	ug/Kg	100		9		70 (72)	130 (118)	30 (20)
Naphthalene	1100	0	1100	ug/Kg	100		15		70 (72)	130 (110)	30 (20)
4-Chloroaniline	1100	0	390	ug/Kg	35	*	9		70 (10)	130 (91)	30 (20)
Hexachlorobutadiene	1100	0	1100	ug/Kg	100		13		70 (66)	130 (114)	30 (20)
Caprolactam	1100	0	1100	ug/Kg	100		11		20 (51)	160 (134)	30 (20)
4-Chloro-3-methylphenol	1100	0	1100	ug/Kg	100		14		70 (57)	130 (132)	30 (20)
2-Methylnaphthalene	1100	0	1100	ug/Kg	100		13		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	2200	0	4000	ug/Kg	182	*	13		20 (10)	160 (175)	30 (20)
2,4,6-Trichlorophenol	1100	0	1200	ug/Kg	109		18		70 (72)	130 (117)	30 (20)
2,4,5-Trichlorophenol	1100	0	1100	ug/Kg	100		11		70 (72)	130 (117)	30 (20)
1,1-Biphenyl	1100	0	1100	ug/Kg	100		12		70 (75)	130 (113)	30 (20)
2-Chloronaphthalene	1100	0	1100	ug/Kg	100		14		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		18		70 (70)	130 (113)	30 (20)
Acenaphthylene	1100	0	1200	ug/Kg	109		18		70 (79)	130 (118)	30 (20)
2,6-Dinitrotoluene	1100	0	1200	ug/Kg	109		18		70 (70)	130 (125)	30 (20)
3-Nitroaniline	1100	0	750	ug/Kg	68	*	13		70 (30)	130 (99)	30 (20)
Acenaphthene	1100	0	1200	ug/Kg	109		9		70 (70)	130 (121)	30 (20)
2,4-Dinitrophenol	2200	0	2400	ug/Kg	109		9		20 (10)	160 (155)	30 (20)
4-Nitrophenol	2200	0	2300	ug/Kg	105		14		20 (45)	160 (133)	30 (20)
Dibenzofuran	1100	0	1100	ug/Kg	100		12		70 (72)	130 (110)	30 (20)
2,4-Dinitrotoluene	1100	0	1300	ug/Kg	118		17		70 (55)	130 (128)	30 (20)
Diethylphthalate	1100	0	1100	ug/Kg	100		11		70 (70)	130 (112)	30 (20)
4-Chlorophenyl-phenylether	1100	0	1100	ug/Kg	100		12		70 (71)	130 (108)	30 (20)
Fluorene	1100	0	1100	ug/Kg	100		14		70 (68)	130 (116)	30 (20)
4-Nitroaniline	1100	0	1200	ug/Kg	109		18		70 (55)	130 (120)	30 (20)
4,6-Dinitro-2-methylphenol	1100	0	1500	ug/Kg	136	*	14		70 (10)	130 (160)	30 (20)
N-Nitrosodiphenylamine	1100	0	1200	ug/Kg	109		18		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	1100	0	1200	ug/Kg	109		18		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	1100	0	1200	ug/Kg	109		18		70 (67)	130 (118)	30 (20)
Atrazine	1100	0	1400	ug/Kg	127		15		70 (79)	130 (127)	30 (20)

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Fax : 908 789 8922

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4473

Client: Yannuzzi Group, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	2200	0	2100	ug/Kg	95		15		20 (47)	160 (128)	30 (20)
Phenanthrene	1100	0	1100	ug/Kg	100		12		70 (52)	130 (128)	30 (20)
Anthracene	1100	0	1200	ug/Kg	109		18		70 (62)	130 (124)	30 (20)
Carbazole	1100	0	1100	ug/Kg	100		19		70 (59)	130 (119)	30 (20)
Di-n-butylphthalate	1100	0	1200	ug/Kg	109		18		70 (69)	130 (118)	30 (20)
Fluoranthene	1100	0	1000	ug/Kg	91		15		70 (44)	130 (125)	30 (20)
Pyrene	1100	0	1000	ug/Kg	91		9		70 (26)	130 (142)	30 (20)
Butylbenzylphthalate	1100	0	1300	ug/Kg	118		8		70 (64)	130 (126)	30 (20)
3,3-Dichlorobenzidine	1100	0	820	ug/Kg	75		5		70 (33)	130 (116)	30 (20)
Benzo(a)anthracene	1100	0	1200	ug/Kg	109		18		70 (71)	130 (114)	30 (20)
Chrysene	1100	0	1100	ug/Kg	100		12		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	1100	0	1500	ug/Kg	136	*	14		70 (42)	130 (169)	30 (20)
Di-n-octyl phthalate	1100	0	1400	ug/Kg	127		15		70 (23)	130 (175)	30 (20)
Benzo(b)fluoranthene	1100	0	1000	ug/Kg	91		13		70 (67)	130 (121)	30 (20)
Benzo(k)fluoranthene	1100	0	1200	ug/Kg	109		18		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	1100	0	1200	ug/Kg	109		9		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	1100	0	1200	ug/Kg	109		18		70 (40)	130 (129)	30 (20)
Dibenz(a,h)anthracene	1100	0	1200	ug/Kg	109		18		70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	1100	0	990	ug/Kg	90		13		70 (24)	130 (125)	30 (20)
1,2,4,5-Tetrachlorobenzene	1100	0	1200	ug/Kg	109		19		70 (69)	130 (124)	30 (20)
1,4-Dioxane	1100	0	960	ug/Kg	87		13		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	1100	0	1200	ug/Kg	109		18		70 (69)	130 (112)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4473

Client: Yannuzzi Group, Inc.

Analytical Method: 8270E **DataFile:** BF139992.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB164312BS	Benzaldehyde	1700	500	ug/Kg	29				20 (10)	160 (133)	
	Phenol	1700	1500	ug/Kg	88				20 (62)	160 (112)	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				70 (60)	130 (101)	
	2-Chlorophenol	1700	1600	ug/Kg	94				70 (65)	130 (112)	
	2-Methylphenol	1700	1500	ug/Kg	88				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 (66)	130 (98)	
	3+4-Methylphenols	1700	1500	ug/Kg	88				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	1500	ug/Kg	88				70 (57)	130 (101)	
	Isophorone	1700	1600	ug/Kg	94				70 (59)	130 (99)	
	2-Nitrophenol	1700	1900	ug/Kg	112				70 (61)	130 (111)	
	2,4-Dimethylphenol	1700	1800	ug/Kg	106				70 (46)	130 (141)	
	bis(2-Chloroethoxy)methane	1700	1600	ug/Kg	94				70 (66)	130 (97)	
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				70 (62)	130 (107)	
	Naphthalene	1700	1500	ug/Kg	88				70 (62)	130 (100)	
	4-Chloroaniline	1700	1200	ug/Kg	71				70 (16)	130 (100)	
	Hexachlorobutadiene	1700	1600	ug/Kg	94				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	1600	ug/Kg	94				70 (60)	130 (104)	
	Hexachlorocyclopentadiene	3300	6000	ug/Kg	182		*		20 (45)	160 (165)	
	2,4,6-Trichlorophenol	1700	1700	ug/Kg	100				70 (59)	130 (102)	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				70 (61)	130 (98)	
	1,1-Biphenyl	1700	1500	ug/Kg	88				70 (57)	130 (103)	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				70 (58)	130 (99)	
	2-Nitroaniline	1700	1700	ug/Kg	100				70 (66)	130 (101)	
	Dimethylphthalate	1700	1600	ug/Kg	94				70 (61)	130 (99)	
	Acenaphthylene	1700	1600	ug/Kg	94				70 (63)	130 (101)	
	2,6-Dinitrotoluene	1700	1600	ug/Kg	94				70 (61)	130 (104)	
	3-Nitroaniline	1700	1300	ug/Kg	76				70 (28)	130 (100)	
	Acenaphthene	1700	1700	ug/Kg	100				70 (57)	130 (104)	
	2,4-Dinitrophenol	3300	4300	ug/Kg	130				20 (37)	160 (128)	
	4-Nitrophenol	3300	3400	ug/Kg	103				20 (48)	160 (119)	
	Dibenzofuran	1700	1500	ug/Kg	88				70 (63)	130 (99)	
	2,4-Dinitrotoluene	1700	1800	ug/Kg	106				70 (60)	130 (106)	
	Diethylphthalate	1700	1500	ug/Kg	88				70 (60)	130 (101)	
	4-Chlorophenyl-phenylether	1700	1600	ug/Kg	94				70 (58)	130 (98)	
	Fluorene	1700	1500	ug/Kg	88				70 (61)	130 (101)	
	4-Nitroaniline	1700	1600	ug/Kg	94				70 (64)	130 (103)	
	4,6-Dinitro-2-methylphenol	1700	2300	ug/Kg	135		*		70 (76)	130 (113)	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				70 (71)	130 (99)	
	4-Bromophenyl-phenylether	1700	1600	ug/Kg	94				70 (66)	130 (102)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4473

Client: Yannuzzi Group, Inc.

Analytical Method: 8270E **DataFile:** BF139992.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB164312BS	Hexachlorobenzene	1700	1600	ug/Kg	94				70 (64)	130 (98)	
	Atrazine	1700	1800	ug/Kg	106				70 (47)	130 (152)	
	Pentachlorophenol	3300	3200	ug/Kg	97				20 (67)	160 (105)	
	Phenanthrene	1700	1600	ug/Kg	94				70 (59)	130 (103)	
	Anthracene	1700	1600	ug/Kg	94				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	1600	ug/Kg	94				70 (59)	130 (103)	
	Butylbenzylphthalate	1700	1700	ug/Kg	100				70 (55)	130 (103)	
	3,3-Dichlorobenzidine	1700	1500	ug/Kg	88				70 (42)	130 (91)	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				70 (60)	130 (102)	
	Chrysene	1700	1600	ug/Kg	94				70 (59)	130 (101)	
	bis(2-Ethylhexyl)phthalate	1700	1700	ug/Kg	100				70 (54)	130 (135)	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				70 (52)	130 (137)	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				70 (62)	130 (109)	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				70 (62)	130 (109)	
	Benzo(a)pyrene	1700	1700	ug/Kg	100				70 (63)	130 (103)	
	Indeno(1,2,3-cd)pyrene	1700	1800	ug/Kg	106				70 (63)	130 (101)	
	Dibenz(a,h)anthracene	1700	1800	ug/Kg	106				70 (61)	130 (112)	
	Benzo(g,h,i)perylene	1700	1700	ug/Kg	100				70 (70)	130 (108)	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				70 (53)	130 (101)	
	1,4-Dioxane	1700	1300	ug/Kg	76				20 (50)	160 (96)	
	2,3,4,6-Tetrachlorophenol	1700	1700	ug/Kg	100				70 (59)	130 (108)	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164312BL

Lab Name: CHEMTECH Contract: YANN01

Lab Code: CHEM Case No.: P4473 SAS No.: P4473 SDG NO.: P4473

Lab File ID: BF139991.D Lab Sample ID: PB164312BL

Instrument ID: BNA_F Date Extracted: 10/22/2024

Matrix: (soil/water) SOIL Date Analyzed: 10/24/2024

Level: (low/med) LOW Time Analyzed: 10:23

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB164312BS	PB164312BS	BF139992.D	10/24/2024
TP-1MSD	P4467-01MSD	BF140005.D	10/24/2024
TS-1	P4473-01	BF139985.D	10/24/2024
TP-1MS	P4467-01MS	BF140004.D	10/24/2024

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: YANN01

Lab Code: CHEM SAS No.: P4473 SDG NO.: P4473

Lab File ID: BF139843.D DFTPP Injection Date: 10/18/2024

Instrument ID: BNA_F DFTPP Injection Time: 09:22

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	43.8
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	37.8
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	46.9
197	Less than 2.0% of mass 198	0.8
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	26.9
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	14
442	Greater than 50% of mass 198	93.1
443	15.0 - 24.0% of mass 442	17.9 (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	BF139844.D	10/18/2024	10:27
SSTDICC005	SSTDICC005	BF139845.D	10/18/2024	10:55
SSTDICC010	SSTDICC010	BF139846.D	10/18/2024	11:23
SSTDICC020	SSTDICC020	BF139847.D	10/18/2024	11:52
SSTDICCC040	SSTDICCC040	BF139848.D	10/18/2024	12:20
SSTDICC050	SSTDICC050	BF139849.D	10/18/2024	12:49
SSTDICC060	SSTDICC060	BF139850.D	10/18/2024	13:17
SSTDICC080	SSTDICC080	BF139851.D	10/18/2024	13:46

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: YANN01

Lab Code: CHEM SAS No.: P4473 SDG NO.: P4473

Lab File ID: BF139964.D DFTPP Injection Date: 10/23/2024

Instrument ID: BNA_F DFTPP Injection Time: 15:01

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	34.1
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	30.6
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	39
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	6.1
275	10.0 - 60.0% of mass 198	25.4
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	15.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (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	BF139965.D	10/23/2024	15:30
TS-1	P4473-01	BF139985.D	10/24/2024	01:08

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: YANN01

Lab Code: CHEM SAS No.: P4473 SDG NO.: P4473

Lab File ID: BF139989.D DFTPP Injection Date: 10/24/2024

Instrument ID: BNA_F DFTPP Injection Time: 09:26

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.5
68	Less than 2.0% of mass 69	0.6 (1.9) 1
69	Mass 69 relative abundance	29.8
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	37.5
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	5.6
275	10.0 - 60.0% of mass 198	24.9
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	14.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (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	BF139990.D	10/24/2024	09:55
PB164312BL	PB164312BL	BF139991.D	10/24/2024	10:23
PB164312BS	PB164312BS	BF139992.D	10/24/2024	10:52

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: YANN01

Lab Code: CHEM SAS No.: P4473 SDG NO.: P4473

Lab File ID: BF140000.D DFTPP Injection Date: 10/24/2024

Instrument ID: BNA_F DFTPP Injection Time: 14:47

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	40
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	35.2
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	44.2
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	6.7
275	10.0 - 60.0% of mass 198	26.7
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	15.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.3 (19.3) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF140001.D	10/24/2024	15:16
TP-1MS	P4467-01MS	BF140004.D	10/24/2024	16:48
TP-1MSD	P4467-01MSD	BF140005.D	10/24/2024	17:17

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4473 SAS No.: P4473 SDG NO.: P4473

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/23/2024

Lab File ID: BF139965.D Time Analyzed: 15:30

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	159858	6.892	611382	8.18	340124	9.93
	UPPER LIMIT	319716	7.392	1222760	8.675	680248	10.428
	LOWER LIMIT	79929	6.392	305691	7.675	170062	9.428
	EPA SAMPLE NO.						
01	TS-1	122079	6.89	419562	8.17	193817	9.93

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.: P4473 SAS No.: P4473 SDG NO.: P4473

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/23/2024

Lab File ID: BF139965.D Time Analyzed: 15:30

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	597021	11.416	306092	14.057	358871	15.533
	UPPER LIMIT	1194040	11.916	612184	14.557	717742	16.033
	LOWER LIMIT	298511	10.916	153046	13.557	179436	15.033
	EPA SAMPLE NO.						
01	TS-1	323002	11.41	307625	14.05	232454	15.53

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.: P4473 SAS No.: P4473 SDG NO.: P4473

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/24/2024

Lab File ID: BF139990.D Time Analyzed: 09:55

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	160242	6.892	587754	8.18	322730	9.93
	UPPER LIMIT	320484	7.392	1175510	8.675	645460	10.428
	LOWER LIMIT	80121	6.392	293877	7.675	161365	9.428
	EPA SAMPLE NO.						
01	PB164312BL	147139	6.89	571542	8.17	324595	9.93
02	PB164312BS	158670	6.89	605986	8.18	338004	9.93

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.: P4473 SAS No.: P4473 SDG NO.: P4473

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/24/2024

Lab File ID: BF139990.D Time Analyzed: 09:55

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	552693	11.416	268892	14.057	303963	15.533
	UPPER LIMIT	1105390	11.916	537784	14.557	607926	16.033
	LOWER LIMIT	276347	10.916	134446	13.557	151982	15.033
	EPA SAMPLE NO.						
01	PB164312BL	586249	11.41	355232	14.05	286763	15.53
02	PB164312BS	591954	11.42	292113	14.06	314861	15.53

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.: P4473 SAS No.: P4473 SDG NO.: P4473

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/24/2024

Lab File ID: BF140001.D Time Analyzed: 15:16

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	162461	6.892	593909	8.18	325446	9.93
	UPPER LIMIT	324922	7.392	1187820	8.675	650892	10.428
	LOWER LIMIT	81230.5	6.392	296955	7.675	162723	9.428
	EPA SAMPLE NO.						
01	TP-1MS	151264	6.89	576250	8.18	315137	9.93
02	TP-1MSD	131947	6.89	501368	8.18	271082	9.93

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.: P4473 SAS No.: P4473 SDG NO.: P4473

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/24/2024

Lab File ID: BF140001.D Time Analyzed: 15:16

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	551060	11.416	264546	14.051	308388	15.533
	UPPER LIMIT	1102120	11.916	529092	14.551	616776	16.033
	LOWER LIMIT	275530	10.916	132273	13.551	154194	15.033
	EPA SAMPLE NO.						
01	TP-1MS	529411	11.42	267551	14.05	360724	15.53
02	TP-1MSD	450738	11.42	233244	14.05	308426	15.53

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

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

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

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	
Client Sample ID:	PB164312BL	SDG No.:	P4473
Lab Sample ID:	PB164312BL	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
BF139991.D	1	10/22/24 10:44	10/24/24 10:23	PB164312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	330	ug/Kg
108-95-2	Phenol	82.9	U	82.9	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.7	U	83.7	170	ug/Kg
95-57-8	2-Chlorophenol	83.5	U	83.5	170	ug/Kg
95-48-7	2-Methylphenol	80.6	U	80.6	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.9	U	90.9	170	ug/Kg
98-86-2	Acetophenone	86.9	U	86.9	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.8	U	79.8	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.3	U	40.3	80.0	ug/Kg
67-72-1	Hexachloroethane	83.0	U	83.0	170	ug/Kg
98-95-3	Nitrobenzene	90.8	U	90.8	170	ug/Kg
78-59-1	Isophorone	84.6	U	84.6	170	ug/Kg
88-75-5	2-Nitrophenol	94.5	U	94.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.2	U	93.2	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.8	U	85.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.5	U	75.5	170	ug/Kg
91-20-3	Naphthalene	82.6	U	82.6	170	ug/Kg
106-47-8	4-Chloroaniline	82.6	U	82.6	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.3	U	83.3	170	ug/Kg
105-60-2	Caprolactam	86.8	U	86.8	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.5	U	77.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.5	U	82.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.4	U	71.4	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74.0	U	74.0	170	ug/Kg
92-52-4	1,1-Biphenyl	87.4	U	87.4	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.3	U	83.3	170	ug/Kg
88-74-4	2-Nitroaniline	95.0	U	95.0	170	ug/Kg
131-11-3	Dimethylphthalate	81.7	U	81.7	170	ug/Kg

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Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	
Client Sample ID:	PB164312BL	SDG No.:	P4473
Lab Sample ID:	PB164312BL	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
BF139991.D	1	10/22/24 10:44	10/24/24 10:23	PB164312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	86.5	U	86.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.2	U	83.2	170	ug/Kg
99-09-2	3-Nitroaniline	89.2	U	89.2	170	ug/Kg
83-32-9	Acenaphthene	81.1	U	81.1	170	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	330	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	330	ug/Kg
132-64-9	Dibenzofuran	84.4	U	84.4	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.2	U	86.2	170	ug/Kg
84-66-2	Diethylphthalate	80.1	U	80.1	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.6	U	85.6	170	ug/Kg
86-73-7	Fluorene	85.5	U	85.5	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	81.6	U	81.6	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.9	U	78.9	170	ug/Kg
118-74-1	Hexachlorobenzene	85.0	U	85.0	170	ug/Kg
1912-24-9	Atrazine	91.4	U	91.4	170	ug/Kg
87-86-5	Pentachlorophenol	77.3	U	77.3	330	ug/Kg
85-01-8	Phenanthrene	84.0	U	84.0	170	ug/Kg
120-12-7	Anthracene	84.4	U	84.4	170	ug/Kg
86-74-8	Carbazole	80.3	U	80.3	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.3	U	84.3	170	ug/Kg
206-44-0	Fluoranthene	81.7	U	81.7	170	ug/Kg
129-00-0	Pyrene	83.0	U	83.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.8	U	96.8	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.6	U	98.6	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.7	U	80.7	170	ug/Kg
218-01-9	Chrysene	79.5	U	79.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	91.0	U	91.0	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.1	U	81.1	170	ug/Kg

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Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	
Client Sample ID:	PB164312BL	SDG No.:	P4473
Lab Sample ID:	PB164312BL	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
BF139991.D	1	10/22/24 10:44	10/24/24 10:23	PB164312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	82.6	U	82.6	170	ug/Kg
50-32-8	Benzo(a)pyrene	93.0	U	93.0	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.2	U	81.2	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.8	U	86.8	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	131		30 (18) - 130 (112)	87%	SPK: 150
13127-88-3	Phenol-d6	126		30 (15) - 130 (107)	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	96.5		30 (18) - 130 (107)	96%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.3		30 (20) - 130 (109)	93%	SPK: 100
118-79-6	2,4,6-Tribromophenol	158		30 (10) - 130 (116)	105%	SPK: 150
1718-51-0	Terphenyl-d14	92.9		30 (10) - 130 (105)	93%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	147000	6.892			
1146-65-2	Naphthalene-d8	572000	8.169			
15067-26-2	Acenaphthene-d10	325000	9.928			
1517-22-2	Phenanthrene-d10	586000	11.41			
1719-03-5	Chrysene-d12	355000	14.051			
1520-96-3	Perylene-d12	287000	15.527			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	110	J		2.23	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	240	A		5.13	ug/Kg

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Report of Analysis

Client:	Yannuzzi Group, Inc.			Date Collected:	
Project:	86 Davidson Road, Piscataway, NJ			Date Received:	
Client Sample ID:	PB164312BL			SDG No.:	P4473
Lab Sample ID:	PB164312BL			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
BF139991.D	1	10/22/24 10:44	10/24/24 10:23	PB164312

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:	Yannuzzi Group, Inc.	Date Collected:	
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	
Client Sample ID:	PB164312BS	SDG No.:	P4473
Lab Sample ID:	PB164312BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 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
BF139992.D	1	10/22/24 10:44	10/24/24 10:52	PB164312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	500		180	330	ug/Kg
108-95-2	Phenol	1500		82.8	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		83.6	170	ug/Kg
95-57-8	2-Chlorophenol	1600		83.4	170	ug/Kg
95-48-7	2-Methylphenol	1500		80.5	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		90.8	170	ug/Kg
98-86-2	Acetophenone	1500		86.8	170	ug/Kg
65794-96-9	3+4-Methylphenols	1500		79.7	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		40.3	79.9	ug/Kg
67-72-1	Hexachloroethane	1500		82.9	170	ug/Kg
98-95-3	Nitrobenzene	1500		90.7	170	ug/Kg
78-59-1	Isophorone	1600		84.5	170	ug/Kg
88-75-5	2-Nitrophenol	1900		94.4	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1800		93.1	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1600		85.7	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		75.4	170	ug/Kg
91-20-3	Naphthalene	1500		82.5	170	ug/Kg
106-47-8	4-Chloroaniline	1200		82.5	170	ug/Kg
87-68-3	Hexachlorobutadiene	1600		83.2	170	ug/Kg
105-60-2	Caprolactam	1600		86.7	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		77.4	170	ug/Kg
91-57-6	2-Methylnaphthalene	1600		82.4	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6000	E	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		71.4	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		74.0	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		87.3	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		83.2	170	ug/Kg
88-74-4	2-Nitroaniline	1700		94.9	170	ug/Kg
131-11-3	Dimethylphthalate	1600		81.6	170	ug/Kg

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Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	
Client Sample ID:	PB164312BS	SDG No.:	P4473
Lab Sample ID:	PB164312BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 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
BF139992.D	1	10/22/24 10:44	10/24/24 10:52	PB164312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1600		86.4	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		83.1	170	ug/Kg
99-09-2	3-Nitroaniline	1300		89.1	170	ug/Kg
83-32-9	Acenaphthene	1700		81.0	170	ug/Kg
51-28-5	2,4-Dinitrophenol	4300	E	240	330	ug/Kg
100-02-7	4-Nitrophenol	3400	E	120	330	ug/Kg
132-64-9	Dibenzofuran	1500		84.3	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1800		86.1	170	ug/Kg
84-66-2	Diethylphthalate	1500		80.0	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		85.5	170	ug/Kg
86-73-7	Fluorene	1500		85.4	170	ug/Kg
100-01-6	4-Nitroaniline	1600		110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2300		120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		81.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		78.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		84.9	170	ug/Kg
1912-24-9	Atrazine	1800		91.3	170	ug/Kg
87-86-5	Pentachlorophenol	3200	E	77.2	330	ug/Kg
85-01-8	Phenanthrene	1600		83.9	170	ug/Kg
120-12-7	Anthracene	1600		84.3	170	ug/Kg
86-74-8	Carbazole	1500		80.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		84.2	170	ug/Kg
206-44-0	Fluoranthene	1500		81.6	170	ug/Kg
129-00-0	Pyrene	1600		82.9	170	ug/Kg
85-68-7	Butylbenzylphthalate	1700		96.7	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1500		98.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		80.6	170	ug/Kg
218-01-9	Chrysene	1600		79.4	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		90.9	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		81.0	170	ug/Kg

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Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	
Client Sample ID:	PB164312BS	SDG No.:	P4473
Lab Sample ID:	PB164312BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 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
BF139992.D	1	10/22/24 10:44	10/24/24 10:52	PB164312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1500		82.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	1700		92.9	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800		78.0	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1800		81.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		80.0	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		86.7	170	ug/Kg
123-91-1	1,4-Dioxane	1300		110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1700		74.7	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	129		30 (18) - 130 (112)	86%	SPK: 150
13127-88-3	Phenol-d6	126		30 (15) - 130 (107)	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	99.4		30 (18) - 130 (107)	99%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.9		30 (20) - 130 (109)	94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	157		30 (10) - 130 (116)	104%	SPK: 150
1718-51-0	Terphenyl-d14	105		30 (10) - 130 (105)	105%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	159000	6.892			
1146-65-2	Naphthalene-d8	606000	8.175			
15067-26-2	Acenaphthene-d10	338000	9.927			
1517-22-2	Phenanthrene-d10	592000	11.416			
1719-03-5	Chrysene-d12	292000	14.057			
1520-96-3	Perylene-d12	315000	15.533			

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

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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/21/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/21/24
Client Sample ID:	TP-1MS	SDG No.:	P4473
Lab Sample ID:	P4467-01MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.7
Sample Wt/Vol:	50.03 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
BF140004.D	1	10/22/24 10:44	10/24/24 16:48	PB164312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	290		120	220	ug/Kg
108-95-2	Phenol	960		54.8	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	950		55.3	110	ug/Kg
95-57-8	2-Chlorophenol	990		55.2	110	ug/Kg
95-48-7	2-Methylphenol	960		53.3	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	910		60.1	110	ug/Kg
98-86-2	Acetophenone	950		57.5	110	ug/Kg
65794-96-9	3+4-Methylphenols	920		52.8	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	930		26.6	52.9	ug/Kg
67-72-1	Hexachloroethane	940		54.9	110	ug/Kg
98-95-3	Nitrobenzene	930		60.0	110	ug/Kg
78-59-1	Isophorone	970		55.9	110	ug/Kg
88-75-5	2-Nitrophenol	1200		62.5	110	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		61.6	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	950		56.7	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1000		49.9	110	ug/Kg
91-20-3	Naphthalene	950		54.6	110	ug/Kg
106-47-8	4-Chloroaniline	350		54.6	110	ug/Kg
87-68-3	Hexachlorobutadiene	970		55.1	110	ug/Kg
105-60-2	Caprolactam	990		57.4	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	960		51.2	110	ug/Kg
91-57-6	2-Methylnaphthalene	970		54.5	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3500	E	100	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		47.2	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	990		48.9	110	ug/Kg
92-52-4	1,1-Biphenyl	980		57.8	110	ug/Kg
91-58-7	2-Chloronaphthalene	960		55.1	110	ug/Kg
88-74-4	2-Nitroaniline	1100		62.8	110	ug/Kg
131-11-3	Dimethylphthalate	1000		54.0	110	ug/Kg

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Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/21/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/21/24
Client Sample ID:	TP-1MS	SDG No.:	P4473
Lab Sample ID:	P4467-01MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.7
Sample Wt/Vol:	50.03 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
BF140004.D	1	10/22/24 10:44	10/24/24 16:48	PB164312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1000		57.2	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	1000		55.0	110	ug/Kg
99-09-2	3-Nitroaniline	660		59.0	110	ug/Kg
83-32-9	Acenaphthene	1100		53.6	110	ug/Kg
51-28-5	2,4-Dinitrophenol	2200	E	160	220	ug/Kg
100-02-7	4-Nitrophenol	2000	E	76.7	220	ug/Kg
132-64-9	Dibenzofuran	980		55.8	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		57.0	110	ug/Kg
84-66-2	Diethylphthalate	990		53.0	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	980		56.6	110	ug/Kg
86-73-7	Fluorene	960		56.5	110	ug/Kg
100-01-6	4-Nitroaniline	1000		70.7	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1300		77.4	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1000		53.9	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		52.2	110	ug/Kg
118-74-1	Hexachlorobenzene	1000		56.2	110	ug/Kg
1912-24-9	Atrazine	1200		60.4	110	ug/Kg
87-86-5	Pentachlorophenol	1800	E	51.1	220	ug/Kg
85-01-8	Phenanthrene	980		55.5	110	ug/Kg
120-12-7	Anthracene	1000		55.8	110	ug/Kg
86-74-8	Carbazole	910		53.1	110	ug/Kg
84-74-2	Di-n-butylphthalate	1000		55.7	110	ug/Kg
206-44-0	Fluoranthene	860		54.0	110	ug/Kg
129-00-0	Pyrene	910		54.9	110	ug/Kg
85-68-7	Butylbenzylphthalate	1200		64.0	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	780		65.2	220	ug/Kg
56-55-3	Benzo(a)anthracene	1000		53.4	110	ug/Kg
218-01-9	Chrysene	980		52.6	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1300		60.2	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1200		72.7	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	880		53.6	110	ug/Kg

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Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/21/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/21/24
Client Sample ID:	TP-1MS	SDG No.:	P4473
Lab Sample ID:	P4467-01MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.7
Sample Wt/Vol:	50.03 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
BF140004.D	1	10/22/24 10:44	10/24/24 16:48	PB164312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1000		54.6	110	ug/Kg
50-32-8	Benzo(a)pyrene	1100		61.5	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1000		51.6	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1000		53.7	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	870		53.0	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	990		57.4	110	ug/Kg
123-91-1	1,4-Dioxane	840		72.7	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000		49.4	110	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	83.4		30 (18) - 130 (112)	56%	SPK: 150
13127-88-3	Phenol-d6	81.7		30 (15) - 130 (107)	54%	SPK: 150
4165-60-0	Nitrobenzene-d5	61.8		30 (18) - 130 (107)	62%	SPK: 100
321-60-8	2-Fluorobiphenyl	58.9		30 (20) - 130 (109)	59%	SPK: 100
118-79-6	2,4,6-Tribromophenol	96.0		30 (10) - 130 (116)	64%	SPK: 150
1718-51-0	Terphenyl-d14	55.7		30 (10) - 130 (105)	56%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	151000	6.893			
1146-65-2	Naphthalene-d8	576000	8.175			
15067-26-2	Acenaphthene-d10	315000	9.928			
1517-22-2	Phenanthrene-d10	529000	11.416			
1719-03-5	Chrysene-d12	268000	14.051			
1520-96-3	Perylene-d12	361000	15.533			

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

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

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/21/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/21/24
Client Sample ID:	TP-1MSD	SDG No.:	P4473
Lab Sample ID:	P4467-01MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.7
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
BF140005.D	1	10/22/24 10:44	10/24/24 17:17	PB164312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	340		120	220	ug/Kg
108-95-2	Phenol	1100		54.8	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		55.3	110	ug/Kg
95-57-8	2-Chlorophenol	1100		55.2	110	ug/Kg
95-48-7	2-Methylphenol	1100		53.3	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		60.1	110	ug/Kg
98-86-2	Acetophenone	1100		57.4	110	ug/Kg
65794-96-9	3+4-Methylphenols	1100		52.7	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1100		26.6	52.9	ug/Kg
67-72-1	Hexachloroethane	1100		54.8	110	ug/Kg
98-95-3	Nitrobenzene	1100		60.0	110	ug/Kg
78-59-1	Isophorone	1100		55.9	110	ug/Kg
88-75-5	2-Nitrophenol	1400		62.4	110	ug/Kg
105-67-9	2,4-Dimethylphenol	1300		61.6	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		56.7	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		49.9	110	ug/Kg
91-20-3	Naphthalene	1100		54.6	110	ug/Kg
106-47-8	4-Chloroaniline	390		54.6	110	ug/Kg
87-68-3	Hexachlorobutadiene	1100		55.0	110	ug/Kg
105-60-2	Caprolactam	1100		57.4	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		51.2	110	ug/Kg
91-57-6	2-Methylnaphthalene	1100		54.5	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4000	E	100	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1200		47.2	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100		48.9	110	ug/Kg
92-52-4	1,1-Biphenyl	1100		57.7	110	ug/Kg
91-58-7	2-Chloronaphthalene	1100		55.0	110	ug/Kg
88-74-4	2-Nitroaniline	1200		62.8	110	ug/Kg
131-11-3	Dimethylphthalate	1200		54.0	110	ug/Kg

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Lab Sample ID:	P4467-01MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.7
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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
BF140005.D	1	10/22/24 10:44	10/24/24 17:17	PB164312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1200		57.2	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	1200		55.0	110	ug/Kg
99-09-2	3-Nitroaniline	750		58.9	110	ug/Kg
83-32-9	Acenaphthene	1200		53.6	110	ug/Kg
51-28-5	2,4-Dinitrophenol	2400	E	160	220	ug/Kg
100-02-7	4-Nitrophenol	2300	E	76.6	220	ug/Kg
132-64-9	Dibenzofuran	1100		55.8	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	1300		57.0	110	ug/Kg
84-66-2	Diethylphthalate	1100		52.9	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		56.6	110	ug/Kg
86-73-7	Fluorene	1100		56.5	110	ug/Kg
100-01-6	4-Nitroaniline	1200		70.7	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1500		77.3	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1200		53.9	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200		52.1	110	ug/Kg
118-74-1	Hexachlorobenzene	1200		56.2	110	ug/Kg
1912-24-9	Atrazine	1400		60.4	110	ug/Kg
87-86-5	Pentachlorophenol	2100	E	51.1	220	ug/Kg
85-01-8	Phenanthrene	1100		55.5	110	ug/Kg
120-12-7	Anthracene	1200		55.8	110	ug/Kg
86-74-8	Carbazole	1100		53.1	110	ug/Kg
84-74-2	Di-n-butylphthalate	1200		55.7	110	ug/Kg
206-44-0	Fluoranthene	1000		54.0	110	ug/Kg
129-00-0	Pyrene	1000		54.8	110	ug/Kg
85-68-7	Butylbenzylphthalate	1300		64.0	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	820		65.1	220	ug/Kg
56-55-3	Benzo(a)anthracene	1200		53.3	110	ug/Kg
218-01-9	Chrysene	1100		52.5	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		60.1	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1400		72.7	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1000		53.6	110	ug/Kg

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Report of Analysis

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Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/21/24
Client Sample ID:	TP-1MSD	SDG No.:	P4473
Lab Sample ID:	P4467-01MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.7
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
BF140005.D	1	10/22/24 10:44	10/24/24 17:17	PB164312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1200		54.6	110	ug/Kg
50-32-8	Benzo(a)pyrene	1200		61.4	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1200		51.6	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1200		53.7	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	990		52.9	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1200		57.4	110	ug/Kg
123-91-1	1,4-Dioxane	960		72.7	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1200		49.4	110	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	94.9		30 (18) - 130 (112)	63%	SPK: 150
13127-88-3	Phenol-d6	92.7		30 (15) - 130 (107)	62%	SPK: 150
4165-60-0	Nitrobenzene-d5	70.6		30 (18) - 130 (107)	71%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.2		30 (20) - 130 (109)	68%	SPK: 100
118-79-6	2,4,6-Tribromophenol	110		30 (10) - 130 (116)	74%	SPK: 150
1718-51-0	Terphenyl-d14	64.9		30 (10) - 130 (105)	65%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	132000	6.893			
1146-65-2	Naphthalene-d8	501000	8.175			
15067-26-2	Acenaphthene-d10	271000	9.928			
1517-22-2	Phenanthrene-d10	451000	11.416			
1719-03-5	Chrysene-d12	233000	14.051			
1520-96-3	Perylene-d12	308000	15.527			

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

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

CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF101824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 18 15:07:50 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF139844.D 5 =BF139845.D 10 =BF139846.D 20 =BF139847.D 40 =BF139848.D 50 =BF139849.D 60 =BF139850.D 80 =BF1398
51.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.651	0.625	0.603	0.591	0.571	0.581	0.548	0.596	5.74
3)		Pyridine		1.622	1.570	1.522	1.504	1.386	1.406	1.326	1.476	7.26
4)		n-Nitrosodimet...		0.815	0.800	0.799	0.806	0.782	0.794	0.757	0.793	2.39
5)	S	2-Fluorophenol		1.465	1.398	1.331	1.278	1.179	1.186	1.106	1.278	10.10
6)		Aniline		1.673	1.649	1.618	1.582	1.471	1.479	1.324	1.542	8.05
7)	S	Phenol-d6		1.900	1.818	1.709	1.647	1.538	1.539	1.432	1.655	10.06
8)		2-Chlorophenol		1.503	1.422	1.358	1.310	1.212	1.221	1.116	1.306	10.24
9)		Benzaldehyde			1.137	1.042	0.940	0.873	0.853	0.740	0.931	15.22
10)	C	Phenol		1.952	1.832	1.760	1.712	1.583	1.601	1.502	1.706	9.19
11)		bis(2-Chloroet...		1.470	1.423	1.359	1.294	1.251	1.249	1.183	1.319	7.82
12)		1,3-Dichlorobe...		1.718	1.656	1.544	1.499	1.392	1.391	1.294	1.499	10.19
13)	C	1,4-Dichlorobe...		1.723	1.641	1.558	1.487	1.392	1.391	1.291	1.498	10.19
14)		1,2-Dichlorobe...		1.660	1.579	1.478	1.379	1.273	1.267	1.149	1.398	13.15
15)		Benzyl Alcohol		1.355	1.299	1.257	1.213	1.154	1.146	1.071	1.214	8.07
16)		2,2'-oxybis(1-...		2.524	2.409	2.353	2.255	2.117	2.115	1.964	2.248	8.69
17)		2-Methylphenol		1.264	1.164	1.134	1.114	1.053	1.063	1.004	1.114	7.69
18)		Hexachloroethane		0.583	0.571	0.549	0.541	0.507	0.511	0.477	0.534	7.06
19)	P	n-Nitroso-di-n...	1.105	1.141	1.066	1.025	0.974	0.921	0.927	0.869	1.004	9.63
20)		3+4-Methylphenols		1.678	1.573	1.520	1.418	1.309	1.300	1.173	1.424	12.41
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.578	0.533	0.516	0.481	0.452	0.454	0.414	0.490	11.43
23)	S	Nitrobenzene-d5		0.365	0.365	0.372	0.371	0.354	0.357	0.342	0.361	2.92
24)		Nitrobenzene		0.417	0.402	0.408	0.403	0.383	0.388	0.370	0.396	4.10
25)		Isophorone		0.755	0.709	0.702	0.679	0.652	0.660	0.637	0.685	5.90
26)	C	2-Nitrophenol		0.124	0.137	0.150	0.157	0.158	0.161	0.157	0.149	9.22
27)		2,4-Dimethylph...		0.285	0.259	0.256	0.248	0.237	0.234	0.223	0.249	8.07
28)		bis(2-Chloroet...		0.468	0.440	0.432	0.412	0.394	0.390	0.369	0.415	8.22
29)	C	2,4-Dichloroph...		0.308	0.297	0.293	0.283	0.272	0.274	0.257	0.283	6.17
30)		1,2,4-Trichlor...		0.351	0.331	0.325	0.315	0.298	0.298	0.279	0.314	7.68
31)		Naphthalene		1.209	1.121	1.091	1.023	0.958	0.944	0.875	1.031	11.23
32)		Benzoic acid			0.175	0.207	0.220	0.231	0.235	0.235	0.217	10.69
33)		4-Chloroaniline		0.397	0.382	0.368	0.351	0.332	0.326	0.306	0.352	9.26
34)	C	Hexachlorobuta...		0.224	0.206	0.203	0.197	0.185	0.187	0.177	0.197	7.96
35)		Caprolactam		0.092	0.092	0.092	0.092	0.088	0.088	0.086	0.090	2.85
36)	C	4-Chloro-3-met...		0.341	0.328	0.324	0.315	0.299	0.303	0.287	0.314	6.03
37)		2-Methylnaphth...		0.740	0.689	0.666	0.621	0.587	0.583	0.537	0.632	11.11
38)		1-Methylnaphth...		0.726	0.683	0.655	0.612	0.569	0.567	0.526	0.620	11.55

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF101824.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.609	0.579	0.562	0.537	0.512	0.506	0.472	0.540	8.72
41)	P	Hexachlorocycl...	0.185	0.193	0.198	0.198	0.186	0.185	0.169	0.188	5.28
42)	S	2,4,6-Tribromo...	0.201	0.196	0.193	0.188	0.179	0.180	0.173	0.187	5.47
43)	C	2,4,6-Trichlor...	0.405	0.382	0.400	0.387	0.363	0.383	0.354	0.382	4.80
44)		2,4,5-Trichlor...	0.426	0.425	0.398	0.401	0.381	0.369	0.359	0.394	6.58
45)	S	2-Fluorobiphenyl	1.512	1.396	1.280	1.162	1.088	1.060	0.973	1.210	16.05
46)		1,1'-Biphenyl	1.640	1.536	1.483	1.379	1.285	1.262	1.161	1.392	12.18
47)		2-Chloronaphth...	1.288	1.225	1.164	1.111	1.048	1.040	0.973	1.121	9.95
48)		2-Nitroaniline	0.299	0.318	0.353	0.365	0.354	0.362	0.349	0.343	7.20
49)		Acenaphthylene	1.854	1.756	1.717	1.615	1.507	1.505	1.394	1.621	10.06
50)		Dimethylphthalate	1.410	1.344	1.283	1.237	1.172	1.163	1.110	1.246	8.60
51)		2,6-Dinitrotol...	0.256	0.266	0.278	0.280	0.273	0.274	0.260	0.270	3.41
52)	C	Acenaphthene	1.200	1.136	1.089	1.044	0.977	0.983	0.913	1.049	9.55
53)		3-Nitroaniline	0.270	0.275	0.296	0.292	0.276	0.282	0.256	0.278	4.84
54)	P	2,4-Dinitrophenol		0.056	0.077	0.101	0.101	0.113	0.112	0.093	23.89
55)		Dibenzofuran	1.767	1.659	1.579	1.486	1.389	1.375	1.278	1.505	11.52
56)	P	4-Nitrophenol	0.187	0.207	0.225	0.232	0.219	0.220	0.208	0.214	6.84
57)		2,4-Dinitrotol...	0.280	0.314	0.337	0.356	0.344	0.351	0.338	0.332	7.94
58)		Fluorene	1.409	1.309	1.201	1.110	1.029	1.021	0.944	1.146	14.68
59)		2,3,4,6-Tetrac...	0.334	0.322	0.326	0.310	0.296	0.293	0.281	0.309	6.33
60)		Diethylphthalate	1.366	1.308	1.267	1.214	1.165	1.161	1.080	1.223	7.99
61)		4-Chlorophenyl...	0.698	0.638	0.617	0.569	0.526	0.520	0.484	0.579	13.14
62)		4-Nitroaniline	0.249	0.259	0.270	0.275	0.263	0.269	0.254	0.263	3.65
63)		Azobenzene	1.459	1.385	1.355	1.306	1.216	1.212	1.143	1.297	8.62
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.055	0.072	0.087	0.090	0.092	0.093	0.082	18.60
66)	c	n-Nitrosodiphe...	0.672	0.641	0.621	0.595	0.568	0.561	0.533	0.599	8.14
67)		4-Bromophenyl-...	0.230	0.217	0.211	0.202	0.197	0.196	0.189	0.206	6.98
68)		Hexachlorobenzene	0.258	0.245	0.237	0.231	0.217	0.221	0.212	0.232	7.20
69)		Atrazine	0.189	0.175	0.156	0.175	0.135	0.153	0.151	0.162	11.36
70)	C	Pentachlorophenol	0.118	0.137	0.148	0.152	0.145	0.144	0.140	0.141	8.04
71)		Phenanthrene	1.121	1.035	0.994	0.933	0.863	0.860	0.807	0.945	11.79
72)		Anthracene	1.082	1.014	0.972	0.913	0.851	0.833	0.787	0.922	11.53
73)		Carbazole	1.002	0.964	0.923	0.846	0.776	0.772	0.717	0.857	12.64
74)		Di-n-butylphth...	1.104	1.071	1.062	1.014	0.923	0.909	0.850	0.990	9.77
75)	C	Fluoranthene	1.149	1.108	1.036	0.943	0.842	0.835	0.772	0.955	15.34
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.457	0.461	0.293	0.366	0.276	0.203	0.246	0.329	30.86
78)		Pyrene	1.892	1.828	1.900	1.805	1.685	1.649	1.496	1.751	8.43
79)	S	Terphenyl-d14	1.381	1.335	1.340	1.244	1.154	1.121	1.018	1.227	10.96
80)		Butylbenzylpht...	0.490	0.513	0.536	0.555	0.535	0.531	0.514	0.525	3.99
81)		Benzo(a)anthra...	1.425	1.355	1.329	1.331	1.267	1.237	1.169	1.302	6.48
82)		3,3'-Dichlorob...	0.368	0.372	0.390	0.387	0.374	0.382	0.384	0.380	2.15
83)		Chrysene	1.325	1.244	1.234	1.167	1.134	1.151	1.101	1.194	6.52
84)		Bis(2-ethylhex...	0.520	0.539	0.577	0.626	0.620	0.626	0.614	0.589	7.48
85)	c	Di-n-octyl pht...		0.786	0.930	1.135	1.182	1.207	1.186	1.071	16.14

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF101824.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.209	1.261	1.307	1.352	1.299	1.326	1.253	1.287	3.77
88)		Benzo(b)fluora...	1.317	1.240	1.319	1.196	1.105	1.239	1.111	1.218	7.15
89)		Benzo(k)fluora...	1.213	1.177	0.992	1.066	1.030	0.929	0.947	1.051	10.42
90)	C	Benzo(a)pyrene	1.030	1.024	1.018	1.025	0.974	0.999	0.947	1.002	3.12
91)		Dibenzo(a,h)an...	1.021	1.064	1.103	1.120	1.083	1.085	1.036	1.073	3.31
92)		Benzo(g,h,i)pe...	1.030	1.046	1.090	1.128	1.081	1.095	1.035	1.072	3.37

(#) = Out of Range

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: YANN01

Lab Code: CHEM Case No.: P4473 SAS No.: P4473 SDG No.: P4473

Instrument ID: BNA_F Calibration Date/Time: 10/23/2024 15:30

Lab File ID: BF139965.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.278	1.233		-3.5	
Benzaldehyde	0.931	0.939		0.9	
Phenol-d6	1.655	1.579		-4.6	
Phenol	1.706	1.663		-2.5	20.0
bis(2-Chloroethyl)ether	1.319	1.273		-3.5	
2-Chlorophenol	1.306	1.291		-1.1	
2-Methylphenol	1.114	1.099		-1.3	
2,2-oxybis(1-Chloropropane)	2.248	2.018		-10.2	
Acetophenone	0.490	0.467		-4.7	
3+4-Methylphenols	1.424	1.388		-2.5	
n-Nitroso-di-n-propylamine	1.004	0.918	0.050	-8.6	
Nitrobenzene-d5	0.361	0.370		2.5	
Hexachloroethane	0.534	0.530		-0.7	
Nitrobenzene	0.396	0.391		-1.3	
Isophorone	0.685	0.651		-5.0	
2-Nitrophenol	0.149	0.175		17.5	20.0
2,4-Dimethylphenol	0.249	0.239		-4.0	
bis(2-Chloroethoxy)methane	0.415	0.397		-4.3	
2,4-Dichlorophenol	0.283	0.283		0.0	20.0
Naphthalene	1.031	1.011		-1.9	
4-Chloroaniline	0.352	0.340		-3.4	
Hexachlorobutadiene	0.197	0.199		1.0	20.0
Caprolactam	0.090	0.092		2.2	
4-Chloro-3-methylphenol	0.314	0.308		-1.9	20.0
2-Methylnaphthalene	0.632	0.618		-2.2	
Hexachlorocyclopentadiene	0.188	0.193	0.050	2.7	
2,4,6-Trichlorophenol	0.382	0.381		-0.3	20.0
2-Fluorobiphenyl	1.210	1.169		-3.4	
2,4,5-Trichlorophenol	0.394	0.415		5.3	
1,1-Biphenyl	1.392	1.351		-2.9	
2-Chloronaphthalene	1.121	1.097		-2.1	
2-Nitroaniline	0.343	0.369		7.6	
Dimethylphthalate	1.246	1.226		-1.6	
Acenaphthylene	1.621	1.588		-2.0	
2,6-Dinitrotoluene	0.270	0.289		7.0	
3-Nitroaniline	0.278	0.292		5.0	
Acenaphthene	1.049	1.051		0.2	20.0
2,4-Dinitrophenol	0.093	0.139	0.050	49.5	
4-Nitrophenol	0.214	0.228	0.050	6.5	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: YANN01

Lab Code: CHEM Case No.: P4473 SAS No.: P4473 SDG No.: P4473

Instrument ID: BNA_F Calibration Date/Time: 10/23/2024 15:30

Lab File ID: BF139965.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.505	1.458		-3.1	
2,4-Dinitrotoluene	0.332	0.379		14.2	
Diethylphthalate	1.223	1.211		-1.0	
4-Chlorophenyl-phenylether	0.579	0.574		-0.9	
Fluorene	1.146	1.118		-2.4	
4-Nitroaniline	0.263	0.280		6.5	
4,6-Dinitro-2-methylphenol	0.082	0.112		36.6	
n-Nitrosodiphenylamine	0.599	0.583		-2.7	20.0
2,4,6-Tribromophenol	0.187	0.204		9.1	
4-Bromophenyl-phenylether	0.206	0.211		2.4	
Hexachlorobenzene	0.232	0.234		0.9	
Atrazine	0.162	0.166		2.5	
Pentachlorophenol	0.141	0.157		11.3	20.0
Phenanthrene	0.945	0.920		-2.6	
Anthracene	0.922	0.894		-3.0	
Carbazole	0.857	0.815		-4.9	
Di-n-butylphthalate	0.990	0.956		-3.4	
Fluoranthene	0.955	0.893		-6.5	20.0
Pyrene	1.751	1.731		-1.1	
Terphenyl-d14	1.227	1.227		0.0	
Butylbenzylphthalate	0.525	0.540		2.9	
3,3-Dichlorobenzidine	0.380	0.447		17.6	
Benzo(a)anthracene	1.302	1.293		-0.7	
Chrysene	1.194	1.157		-3.1	
Bis(2-ethylhexyl)phthalate	0.589	0.666		13.1	
Di-n-octyl phthalate	1.071	1.198		11.9	20.0
Benzo(b)fluoranthene	1.218	1.083		-11.1	
Benzo(k)fluoranthene	1.051	1.048		-0.3	
Benzo(a)pyrene	1.002	0.978		-2.4	20.0
Indeno(1,2,3-cd)pyrene	1.287	1.280		-0.5	
Dibenzo(a,h)anthracene	1.073	1.060		-1.2	
Benzo(g,h,i)perylene	1.072	1.053		-1.8	
1,2,4,5-Tetrachlorobenzene	0.540	0.540		0.0	
1,4-Dioxane	0.596	0.581		-2.5	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.324		4.9	

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: YANN01

Lab Code: CHEM Case No.: P4473 SAS No.: P4473 SDG No.: P4473

Instrument ID: BNA_F Calibration Date/Time: 10/24/2024 09:55

Lab File ID: BF139990.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.278	1.208		-5.5	
Benzaldehyde	0.931	0.831		-10.7	
Phenol-d6	1.655	1.504		-9.1	
Phenol	1.706	1.572		-7.9	20.0
bis(2-Chloroethyl)ether	1.319	1.218		-7.7	
2-Chlorophenol	1.306	1.240		-5.1	
2-Methylphenol	1.114	1.030		-7.5	
2,2-oxybis(1-Chloropropane)	2.248	1.937		-13.8	
Acetophenone	0.490	0.464		-5.3	
3+4-Methylphenols	1.424	1.299		-8.8	
n-Nitroso-di-n-propylamine	1.004	0.880	0.050	-12.4	
Nitrobenzene-d5	0.361	0.374		3.6	
Hexachloroethane	0.534	0.521		-2.4	
Nitrobenzene	0.396	0.392		-1.0	
Isophorone	0.685	0.644		-6.0	
2-Nitrophenol	0.149	0.177		18.8	20.0
2,4-Dimethylphenol	0.249	0.234		-6.0	
bis(2-Chloroethoxy)methane	0.415	0.394		-5.1	
2,4-Dichlorophenol	0.283	0.280		-1.1	20.0
Naphthalene	1.031	1.003		-2.7	
4-Chloroaniline	0.352	0.334		-5.1	
Hexachlorobutadiene	0.197	0.202		2.5	20.0
Caprolactam	0.090	0.088		-2.2	
4-Chloro-3-methylphenol	0.314	0.299		-4.8	20.0
2-Methylnaphthalene	0.632	0.616		-2.5	
Hexachlorocyclopentadiene	0.188	0.207	0.050	10.1	
2,4,6-Trichlorophenol	0.382	0.403		5.5	20.0
2-Fluorobiphenyl	1.210	1.183		-2.2	
2,4,5-Trichlorophenol	0.394	0.395		0.3	
1,1-Biphenyl	1.392	1.371		-1.5	
2-Chloronaphthalene	1.121	1.110		-1.0	
2-Nitroaniline	0.343	0.362		5.5	
Dimethylphthalate	1.246	1.208		-3.0	
Acenaphthylene	1.621	1.581		-2.5	
2,6-Dinitrotoluene	0.270	0.286		5.9	
3-Nitroaniline	0.278	0.284		2.2	
Acenaphthene	1.049	1.051		0.2	20.0
2,4-Dinitrophenol	0.093	0.148	0.050	59.1	
4-Nitrophenol	0.214	0.229	0.050	7.0	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: YANN01

Lab Code: CHEM Case No.: P4473 SAS No.: P4473 SDG No.: P4473

Instrument ID: BNA_F Calibration Date/Time: 10/24/2024 09:55

Lab File ID: BF139990.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.505	1.448		-3.8	
2,4-Dinitrotoluene	0.332	0.371		11.7	
Diethylphthalate	1.223	1.175		-3.9	
4-Chlorophenyl-phenylether	0.579	0.580		0.2	
Fluorene	1.146	1.110		-3.1	
4-Nitroaniline	0.263	0.259		-1.5	
4,6-Dinitro-2-methylphenol	0.082	0.117		42.7	
n-Nitrosodiphenylamine	0.599	0.588		-1.8	20.0
2,4,6-Tribromophenol	0.187	0.205		9.6	
4-Bromophenyl-phenylether	0.206	0.216		4.9	
Hexachlorobenzene	0.232	0.240		3.4	
Atrazine	0.162	0.161		-0.6	
Pentachlorophenol	0.141	0.164		16.3	20.0
Phenanthrene	0.945	0.917		-3.0	
Anthracene	0.922	0.908		-1.5	
Carbazole	0.857	0.802		-6.4	
Di-n-butylphthalate	0.990	0.948		-4.2	
Fluoranthene	0.955	0.903		-5.4	20.0
Pyrene	1.751	1.844		5.3	
Terphenyl-d14	1.227	1.286		4.8	
Butylbenzylphthalate	0.525	0.536		2.1	
3,3-Dichlorobenzidine	0.380	0.412		8.4	
Benzo(a)anthracene	1.302	1.275		-2.1	
Chrysene	1.194	1.140		-4.5	
Bis(2-ethylhexyl)phthalate	0.589	0.640		8.7	
Di-n-octyl phthalate	1.071	1.138		6.3	20.0
Benzo(b)fluoranthene	1.218	1.075		-11.7	
Benzo(k)fluoranthene	1.051	1.055		0.4	
Benzo(a)pyrene	1.002	0.994		-0.8	20.0
Indeno(1,2,3-cd)pyrene	1.287	1.421		10.4	
Dibenzo(a,h)anthracene	1.073	1.182		10.2	
Benzo(g,h,i)perylene	1.072	1.222		14.0	
1,2,4,5-Tetrachlorobenzene	0.540	0.551		2.0	
1,4-Dioxane	0.596	0.552		-7.4	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.322		4.2	

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: YANN01

Lab Code: CHEM Case No.: P4473 SAS No.: P4473 SDG No.: P4473

Instrument ID: BNA_F Calibration Date/Time: 10/24/2024 15:16

Lab File ID: BF140001.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.278	1.208		-5.5	
Benzaldehyde	0.931	0.931		0.0	
Phenol-d6	1.655	1.521		-8.1	
Phenol	1.706	1.601		-6.2	20.0
bis(2-Chloroethyl)ether	1.319	1.259		-4.5	
2-Chlorophenol	1.306	1.259		-3.6	
2-Methylphenol	1.114	1.047		-6.0	
2,2-oxybis(1-Chloropropane)	2.248	1.948		-13.3	
Acetophenone	0.490	0.472		-3.7	
3+4-Methylphenols	1.424	1.322		-7.2	
n-Nitroso-di-n-propylamine	1.004	0.889	0.050	-11.5	
Nitrobenzene-d5	0.361	0.374		3.6	
Hexachloroethane	0.534	0.526		-1.5	
Nitrobenzene	0.396	0.397		0.3	
Isophorone	0.685	0.655		-4.4	
2-Nitrophenol	0.149	0.178		19.5	20.0
2,4-Dimethylphenol	0.249	0.238		-4.4	
bis(2-Chloroethoxy)methane	0.415	0.407		-1.9	
2,4-Dichlorophenol	0.283	0.285		0.7	20.0
Naphthalene	1.031	1.015		-1.6	
4-Chloroaniline	0.352	0.336		-4.5	
Hexachlorobutadiene	0.197	0.203		3.0	20.0
Caprolactam	0.090	0.089		-1.1	
4-Chloro-3-methylphenol	0.314	0.306		-2.5	20.0
2-Methylnaphthalene	0.632	0.623		-1.4	
Hexachlorocyclopentadiene	0.188	0.199	0.050	5.9	
2,4,6-Trichlorophenol	0.382	0.387		1.3	20.0
2-Fluorobiphenyl	1.210	1.197		-1.1	
2,4,5-Trichlorophenol	0.394	0.415		5.3	
1,1-Biphenyl	1.392	1.393		0.1	
2-Chloronaphthalene	1.121	1.127		0.5	
2-Nitroaniline	0.343	0.369		7.6	
Dimethylphthalate	1.246	1.232		-1.1	
Acenaphthylene	1.621	1.600		-1.3	
2,6-Dinitrotoluene	0.270	0.292		8.1	
3-Nitroaniline	0.278	0.285		2.5	
Acenaphthene	1.049	1.061		1.1	20.0
2,4-Dinitrophenol	0.093	0.142	0.050	52.7	
4-Nitrophenol	0.214	0.216	0.050	0.9	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: YANN01

Lab Code: CHEM Case No.: P4473 SAS No.: P4473 SDG No.: P4473

Instrument ID: BNA_F Calibration Date/Time: 10/24/2024 15:16

Lab File ID: BF140001.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.505	1.482		-1.5	
2,4-Dinitrotoluene	0.332	0.371		11.7	
Diethylphthalate	1.223	1.183		-3.3	
4-Chlorophenyl-phenylether	0.579	0.577		-0.3	
Fluorene	1.146	1.115		-2.7	
4-Nitroaniline	0.263	0.268		1.9	
4,6-Dinitro-2-methylphenol	0.082	0.115		40.2	
n-Nitrosodiphenylamine	0.599	0.597		-0.3	20.0
2,4,6-Tribromophenol	0.187	0.207		10.7	
4-Bromophenyl-phenylether	0.206	0.220		6.8	
Hexachlorobenzene	0.232	0.242		4.3	
Atrazine	0.162	0.163		0.6	
Pentachlorophenol	0.141	0.159		12.8	20.0
Phenanthrene	0.945	0.922		-2.4	
Anthracene	0.922	0.910		-1.3	
Carbazole	0.857	0.810		-5.5	
Di-n-butylphthalate	0.990	0.945		-4.5	
Fluoranthene	0.955	0.896		-6.2	20.0
Pyrene	1.751	1.855		5.9	
Terphenyl-d14	1.227	1.306		6.4	
Butylbenzylphthalate	0.525	0.544		3.6	
3,3-Dichlorobenzidine	0.380	0.435		14.5	
Benzo(a)anthracene	1.302	1.322		1.5	
Chrysene	1.194	1.125		-5.8	
Bis(2-ethylhexyl)phthalate	0.589	0.627		6.5	
Di-n-octyl phthalate	1.071	1.102		2.9	20.0
Benzo(b)fluoranthene	1.218	1.087		-10.8	
Benzo(k)fluoranthene	1.051	1.032		-1.8	
Benzo(a)pyrene	1.002	0.984		-1.8	20.0
Indeno(1,2,3-cd)pyrene	1.287	1.386		7.7	
Dibenzo(a,h)anthracene	1.073	1.154		7.5	
Benzo(g,h,i)perylene	1.072	1.167		8.9	
1,2,4,5-Tetrachlorobenzene	0.540	0.560		3.7	
1,4-Dioxane	0.596	0.573		-3.9	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.321		3.9	

All other compounds must meet a minimum RRF of 0.010.

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LAB CHRONICLE

OrderID:	P4473	**OrderDate:**	10/21/2024 3:15:00 PM
Client:	Yannuzzi Group, Inc.	**Project:**	86 Davidson Road, Piscataway, NJ
Contact:	Rafael Nunez	**Location:**	K61

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4473-01	**TS-1**	**SOIL**			**10/18/24**			**10/21/24**
			PCB	8082A		10/22/24	10/22/24	
			Pesticide-TCL	8081B		10/22/24	10/23/24	
			TPH GC	8015D		10/22/24	10/22/24	

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Hit Summary Sheet
SW-846

SDG No.: P4473 **Order ID:** P4473

Client: Yannuzzi Group, Inc. **Project ID:** 86 Davidson Road, Piscataway, NJ

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TS-1								
P4473-01	TS-1	SOIL	4,4-DDE	0.67	J	0.27	3.50	ug/kg
P4473-01	TS-1	SOIL	Endrin aldehyde	1.70	J	0.80	3.50	ug/kg
			Total Concentration:	**2.370**				

SAMPLE DATA

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

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/18/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/21/24
Client Sample ID:	TS-1	SDG No.:	P4473
Lab Sample ID:	P4473-01	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	48.8 Decanted:
Sample Wt/Vol:	30.09 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
PL092556.D	1	10/22/24 10:10	10/23/24 13:48	PB164311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.37	U	0.37	3.50	ug/kg
319-85-7	beta-BHC	1.00	U	1.00	3.50	ug/kg
319-86-8	delta-BHC	0.96	U	0.96	3.50	ug/kg
58-89-9	gamma-BHC (Lindane)	0.39	U	0.39	3.50	ug/kg
76-44-8	Heptachlor	0.35	U	0.35	3.50	ug/kg
309-00-2	Aldrin	0.29	U	0.29	3.50	ug/kg
1024-57-3	Heptachlor epoxide	0.47	U	0.47	3.50	ug/kg
959-98-8	Endosulfan I	0.35	U	0.35	3.50	ug/kg
60-57-1	Dieldrin	0.31	U	0.31	3.50	ug/kg
72-55-9	4,4-DDE	0.67	J	0.27	3.50	ug/kg
72-20-8	Endrin	0.33	U	0.33	3.50	ug/kg
33213-65-9	Endosulfan II	0.61	U	0.61	3.50	ug/kg
72-54-8	4,4-DDD	0.39	U	0.39	3.50	ug/kg
1031-07-8	Endosulfan Sulfate	0.27	U	0.27	3.50	ug/kg
50-29-3	4,4-DDT	0.35	U	0.35	3.50	ug/kg
72-43-5	Methoxychlor	0.78	U	0.78	3.50	ug/kg
53494-70-5	Endrin ketone	0.45	U	0.45	3.50	ug/kg
7421-93-4	Endrin aldehyde	1.70	J	0.80	3.50	ug/kg
5103-71-9	alpha-Chlordane	0.35	U	0.35	3.50	ug/kg
5103-74-2	gamma-Chlordane	0.39	U	0.39	3.50	ug/kg
8001-35-2	Toxaphene	10.7	U	10.7	67.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	8.29		30 (10) - 150 (148)	41%	SPK: 20
877-09-8	Tetrachloro-m-xylene	11.4		30 (10) - 150 (159)	57%	SPK: 20

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Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/18/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/21/24
Client Sample ID:	TS-1	SDG No.:	P4473
Lab Sample ID:	P4473-01	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	48.8 Decanted:
Sample Wt/Vol:	30.09 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
PL092556.D	1	10/22/24 10:10	10/23/24 13:48	PB164311

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

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: P4473

Client: Yannuzzi Group, Inc.

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PL092494.D	PIBLK-PL092494.D	Decachlorobiphenyl	1	20	21.5	107		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	22.0	110		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	21.4	107		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	20.0	100		30 (77)	150 (126)
I.BLK-PL092551.D	PIBLK-PL092551.D	Decachlorobiphenyl	1	20	20.1	100		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	19.2	96		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	21.6	108		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	20.1	101		30 (77)	150 (126)
PB164311BL	PB164311BL	Decachlorobiphenyl	1	20	17.4	87		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	16.3	81		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	19.5	97		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	17.3	86		30 (10)	150 (159)
PB164311BS	PB164311BS	Decachlorobiphenyl	1	20	19.4	97		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	17.7	89		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	21.9	110		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	18.5	92		30 (10)	150 (159)
P4473-01	TS-1	Decachlorobiphenyl	1	20	7.63	38		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	10.2	51		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	8.29	41		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	11.4	57		30 (10)	150 (159)
I.BLK-PL092566.D	PIBLK-PL092566.D	Decachlorobiphenyl	1	20	20.5	103		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	19.5	98		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	22.6	113		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	20.5	102		30 (77)	150 (126)
I.BLK-PL092589.D	PIBLK-PL092589.D	Decachlorobiphenyl	1	20	21.0	105		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	20.0	100		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	23.3	116		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	21.0	105		30 (77)	150 (126)
P4472-01MS	BP-F-28MS	Decachlorobiphenyl	1	20	18.8	94		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	13.4	67		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	16.6	83		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	14.5	72		30 (10)	150 (159)
P4472-01MSD	BP-F-28MSD	Decachlorobiphenyl	1	20	18.1	91		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	13.3	67		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	17.8	89		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	14.6	73		30 (10)	150 (159)
I.BLK-PL092612.D	PIBLK-PL092612.D	Decachlorobiphenyl	1	20	22.3	111		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	21.4	107		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	23.4	117		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	22.1	111		30 (77)	150 (126)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4473

Client: Yannuzzi Group, Inc.

Analytical Method: 8081B **DataFile :** PL092595.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:	**BP-F-28MS**											
P4472-01MS	alpha-BHC	18.56	0	11.2	ug/kg	60				30 (60)	150 (144)	
	beta-BHC	18.56	0	12.4	ug/kg	67				30 (54)	150 (143)	
	delta-BHC	18.56	0	12.0	ug/kg	65				30 (47)	150 (144)	
	gamma-BHC (Lindane)	18.56	0	12.3	ug/kg	66				30 (61)	150 (140)	
	Heptachlor	18.56	0	12.8	ug/kg	69				30 (63)	150 (135)	
	Aldrin	18.56	0	12.5	ug/kg	67				30 (49)	150 (139)	
	Heptachlor epoxide	18.56	0	13.6	ug/kg	73				30 (32)	150 (180)	
	Endosulfan I	18.56	0	13.7	ug/kg	74				30 (56)	150 (142)	
	Dieldrin	18.56	0	13.6	ug/kg	73				30 (47)	150 (161)	
	4,4'-DDE	18.56	0	13.1	ug/kg	71				30 (55)	150 (136)	
	Endrin	18.56	0	15.1	ug/kg	81				30 (57)	150 (139)	
	Endosulfan II	18.56	0	15.0	ug/kg	81				30 (40)	150 (163)	
	4,4'-DDD	18.56	0	14.1	ug/kg	76				30 (37)	150 (192)	
	Endosulfan sulfate	18.56	0	14.4	ug/kg	78				30 (62)	150 (139)	
	4,4'-DDT	18.56	0	14.7	ug/kg	79				30 (51)	150 (146)	
	Methoxychlor	18.56	0	16.6	ug/kg	89				30 (54)	150 (136)	
	Endrin ketone	18.56	0	14.6	ug/kg	79				30 (60)	150 (129)	
	Endrin aldehyde	18.56	0	14.0	ug/kg	75				30 (59)	150 (132)	
	alpha-Chlordane	18.56	0	14.1	ug/kg	76				30 (30)	150 (192)	
	gamma-Chlordane	18.56	0	14.5	ug/kg	78				30 (44)	150 (175)	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4473

Client: Yannuzzi Group, Inc.

Analytical Method: 8081B **DataFile :** PL092596.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:	**BP-F-28MSD**											
P4472-01MSD	alpha-BHC	18.54	0	11.5	ug/kg	62		3		30 (60)	150 (144)	30 (20)
	beta-BHC	18.54	0	12.3	ug/kg	66		2		30 (54)	150 (143)	30 (20)
	delta-BHC	18.54	0	11.5	ug/kg	62		5		30 (47)	150 (144)	30 (20)
	gamma-BHC (Lindane)	18.54	0	12.3	ug/kg	66		0		30 (61)	150 (140)	30 (20)
	Heptachlor	18.54	0	12.9	ug/kg	70		1		30 (63)	150 (135)	30 (20)
	Aldrin	18.54	0	12.5	ug/kg	67		0		30 (49)	150 (139)	30 (20)
	Heptachlor epoxide	18.54	0	14.1	ug/kg	76		4		30 (32)	150 (180)	30 (20)
	Endosulfan I	18.54	0	14.8	ug/kg	80		8		30 (56)	150 (142)	30 (20)
	Dieldrin	18.54	0	13.8	ug/kg	74		1		30 (47)	150 (161)	30 (20)
	4,4'-DDE	18.54	0	13.1	ug/kg	71		0		30 (55)	150 (136)	30 (20)
	Endrin	18.54	0	15.0	ug/kg	81		0		30 (57)	150 (139)	30 (20)
	Endosulfan II	18.54	0	15.5	ug/kg	84		4		30 (40)	150 (163)	30 (20)
	4,4'-DDD	18.54	0	15.0	ug/kg	81		6		30 (37)	150 (192)	30 (20)
	Endosulfan sulfate	18.54	0	15.1	ug/kg	81		4		30 (62)	150 (139)	30 (20)
	4,4'-DDT	18.54	0	15.6	ug/kg	84		6		30 (51)	150 (146)	30 (20)
	Methoxychlor	18.54	0	17.1	ug/kg	92		3		30 (54)	150 (136)	30 (20)
	Endrin ketone	18.54	0	15.8	ug/kg	85		7		30 (60)	150 (129)	30 (20)
	Endrin aldehyde	18.54	0	14.9	ug/kg	80		6		30 (59)	150 (132)	30 (20)
	alpha-Chlordane	18.54	0	14.4	ug/kg	78		3		30 (30)	150 (192)	30 (20)
	gamma-Chlordane	18.54	0	14.9	ug/kg	80		3		30 (44)	150 (175)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4473

Client: Yannuzzi Group, Inc.

Analytical Method: 8081B **Datafile :** PL092555.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB164311BS	alpha-BHC	16.66	16.7	ug/kg	100				40 (84)	140 (123)	
	beta-BHC	16.66	17.1	ug/kg	103				40 (82)	140 (123)	
	delta-BHC	16.66	16.8	ug/kg	101				40 (83)	140 (126)	
	gamma-BHC (Lindane)	16.66	16.9	ug/kg	101				40 (83)	140 (125)	
	Heptachlor	16.66	17.2	ug/kg	103				40 (83)	140 (122)	
	Aldrin	16.66	17.2	ug/kg	103				40 (82)	140 (124)	
	Heptachlor epoxide	16.66	17.9	ug/kg	107				40 (83)	140 (120)	
	Endosulfan I	16.66	18.1	ug/kg	109				40 (81)	140 (124)	
	Dieldrin	16.66	17.3	ug/kg	104				40 (85)	140 (121)	
	4,4'-DDE	16.66	17.3	ug/kg	104				40 (81)	140 (123)	
	Endrin	16.66	16.5	ug/kg	99				40 (76)	140 (130)	
	Endosulfan II	16.66	17.1	ug/kg	103				40 (80)	140 (125)	
	4,4'-DDD	16.66	17.3	ug/kg	104				40 (80)	140 (131)	
	Endosulfan sulfate	16.66	17.1	ug/kg	103				40 (81)	140 (122)	
	4,4'-DDT	16.66	15.9	ug/kg	95				40 (70)	140 (129)	
	Methoxychlor	16.66	17.4	ug/kg	104				40 (60)	140 (119)	
	Endrin ketone	16.66	18.3	ug/kg	110				40 (77)	140 (132)	
	Endrin aldehyde	16.66	17.6	ug/kg	106				40 (79)	140 (124)	
	alpha-Chlordane	16.66	17.6	ug/kg	106				40 (84)	140 (120)	
	gamma-Chlordane	16.66	17.2	ug/kg	103				40 (83)	140 (122)	

( ) = LABORATORY INHOUSE LIMIT

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164311BL

Lab Name: CHEMTECH Contract: YANN01

Lab Code: CHEM Case No.: P4473 SAS No.: P4473 SDG NO.: P4473

Lab Sample ID: PB164311BL Lab File ID: PL092554.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 10/22/2024

Date Analyzed (1): 10/23/2024 Date Analyzed (2): 10/23/2024

Time Analyzed (1): 09:52 Time Analyzed (2): 09:52

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
PB164311BS	PB164311BS	PL092555.D	10/23/2024	10/23/2024
TS-1	P4473-01	PL092556.D	10/23/2024	10/23/2024
BP-F-28MS	P4472-01MS	PL092595.D	10/24/2024	10/24/2024
BP-F-28MSD	P4472-01MSD	PL092596.D	10/24/2024	10/24/2024

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	
Client Sample ID:	PB164311BL	SDG No.:	P4473
Lab Sample ID:	PB164311BL	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 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
PL092554.D	1	10/22/24 10:10	10/23/24 09:52	PB164311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.18	U	0.18	1.70	ug/kg
319-85-7	beta-BHC	0.49	U	0.49	1.70	ug/kg
319-86-8	delta-BHC	0.47	U	0.47	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	0.19	U	0.19	1.70	ug/kg
76-44-8	Heptachlor	0.17	U	0.17	1.70	ug/kg
309-00-2	Aldrin	0.14	U	0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	0.23	U	0.23	1.70	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	1.70	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.70	ug/kg
72-55-9	4,4-DDE	0.13	U	0.13	1.70	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.70	ug/kg
33213-65-9	Endosulfan II	0.30	U	0.30	1.70	ug/kg
72-54-8	4,4-DDD	0.19	U	0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	0.13	U	0.13	1.70	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	1.70	ug/kg
72-43-5	Methoxychlor	0.38	U	0.38	1.70	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	1.70	ug/kg
7421-93-4	Endrin aldehyde	0.39	U	0.39	1.70	ug/kg
5103-71-9	alpha-Chlordane	0.17	U	0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	0.19	U	0.19	1.70	ug/kg
8001-35-2	Toxaphene	5.20	U	5.20	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.5		30 (10) - 150 (148)	97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.3		30 (10) - 150 (159)	86%	SPK: 20

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Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	
Client Sample ID:	PB164311BL	SDG No.:	P4473
Lab Sample ID:	PB164311BL	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 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
PL092554.D	1	10/22/24 10:10	10/23/24 09:52	PB164311

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:	Yannuzzi Group, Inc.	Date Collected:	10/21/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/21/24
Client Sample ID:	PIBLK-PL092494.D	SDG No.:	P4473
Lab Sample ID:	I.BLK-PL092494.D	Matrix:	WATER
Analytical Method:	SW8081	% 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
PL092494.D	1		10/21/24	PL102124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.5		30 (43) - 150 (140)	107%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.0		30 (77) - 150 (126)	110%	SPK: 20

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Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/21/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/21/24
Client Sample ID:	PIBLK-PL092494.D	SDG No.:	P4473
Lab Sample ID:	I.BLK-PL092494.D	Matrix:	WATER
Analytical Method:	SW8081	% 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
PL092494.D	1		10/21/24	PL102124

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:	Yannuzzi Group, Inc.	Date Collected:	10/23/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/23/24
Client Sample ID:	PIBLK-PL092551.D	SDG No.:	P4473
Lab Sample ID:	I.BLK-PL092551.D	Matrix:	WATER
Analytical Method:	SW8081	% 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
PL092551.D	1		10/23/24	PL102324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.6		30 (43) - 150 (140)	108%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.1		30 (77) - 150 (126)	101%	SPK: 20

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Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/23/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/23/24
Client Sample ID:	PIBLK-PL092551.D	SDG No.:	P4473
Lab Sample ID:	I.BLK-PL092551.D	Matrix:	WATER
Analytical Method:	SW8081	% 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
PL092551.D	1		10/23/24	PL102324

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:	Yannuzzi Group, Inc.	Date Collected:	10/23/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/23/24
Client Sample ID:	PIBLK-PL092566.D	SDG No.:	P4473
Lab Sample ID:	I.BLK-PL092566.D	Matrix:	WATER
Analytical Method:	SW8081	% 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
PL092566.D	1		10/23/24	PL102324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.6		30 (43) - 150 (140)	113%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.5		30 (77) - 150 (126)	102%	SPK: 20

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Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/23/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/23/24
Client Sample ID:	PIBLK-PL092566.D	SDG No.:	P4473
Lab Sample ID:	I.BLK-PL092566.D	Matrix:	WATER
Analytical Method:	SW8081	% 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
PL092566.D	1		10/23/24	PL102324

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:	Yannuzzi Group, Inc.	Date Collected:	10/24/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/24/24
Client Sample ID:	PIBLK-PL092589.D	SDG No.:	P4473
Lab Sample ID:	I.BLK-PL092589.D	Matrix:	WATER
Analytical Method:	SW8081	% 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
PL092589.D	1		10/24/24	PL102424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.3		30 (43) - 150 (140)	116%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.0		30 (77) - 150 (126)	105%	SPK: 20

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Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/24/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/24/24
Client Sample ID:	PIBLK-PL092589.D	SDG No.:	P4473
Lab Sample ID:	I.BLK-PL092589.D	Matrix:	WATER
Analytical Method:	SW8081	% 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
PL092589.D	1		10/24/24	PL102424

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:	Yannuzzi Group, Inc.	Date Collected:	10/24/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/24/24
Client Sample ID:	PIBLK-PL092612.D	SDG No.:	P4473
Lab Sample ID:	I.BLK-PL092612.D	Matrix:	WATER
Analytical Method:	SW8081	% 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
PL092612.D	1		10/24/24	PL102424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.4		30 (43) - 150 (140)	117%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.1		30 (77) - 150 (126)	111%	SPK: 20

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Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/24/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/24/24
Client Sample ID:	PIBLK-PL092612.D	SDG No.:	P4473
Lab Sample ID:	I.BLK-PL092612.D	Matrix:	WATER
Analytical Method:	SW8081	% 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
PL092612.D	1		10/24/24	PL102424

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:	Yannuzzi Group, Inc.	Date Collected:	
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	
Client Sample ID:	PB164311BS	SDG No.:	P4473
Lab Sample ID:	PB164311BS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 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
PL092555.D	1	10/22/24 10:10	10/23/24 13:33	PB164311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	16.7		0.18	1.70	ug/kg
319-85-7	beta-BHC	17.1		0.49	1.70	ug/kg
319-86-8	delta-BHC	16.8		0.47	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	16.9		0.19	1.70	ug/kg
76-44-8	Heptachlor	17.2		0.17	1.70	ug/kg
309-00-2	Aldrin	17.2		0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	17.9		0.23	1.70	ug/kg
959-98-8	Endosulfan I	18.1		0.17	1.70	ug/kg
60-57-1	Dieldrin	17.3		0.15	1.70	ug/kg
72-55-9	4,4-DDE	17.3		0.13	1.70	ug/kg
72-20-8	Endrin	16.5		0.16	1.70	ug/kg
33213-65-9	Endosulfan II	17.1		0.30	1.70	ug/kg
72-54-8	4,4-DDD	17.3		0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	17.1		0.13	1.70	ug/kg
50-29-3	4,4-DDT	15.9		0.17	1.70	ug/kg
72-43-5	Methoxychlor	17.4		0.38	1.70	ug/kg
53494-70-5	Endrin ketone	18.3		0.22	1.70	ug/kg
7421-93-4	Endrin aldehyde	17.6		0.39	1.70	ug/kg
5103-71-9	alpha-Chlordane	17.6		0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	17.2		0.19	1.70	ug/kg
8001-35-2	Toxaphene	5.20	U	5.20	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.9		30 (10) - 150 (148)	110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.5		30 (10) - 150 (159)	92%	SPK: 20

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Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	
Client Sample ID:	PB164311BS	SDG No.:	P4473
Lab Sample ID:	PB164311BS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 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
PL092555.D	1	10/22/24 10:10	10/23/24 13:33	PB164311

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:	Yannuzzi Group, Inc.	Date Collected:	10/21/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/21/24
Client Sample ID:	BP-F-28MS	SDG No.:	P4473
Lab Sample ID:	P4472-01MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	89.7 Decanted:
Sample Wt/Vol:	30.04 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
PL092595.D	1	10/22/24 10:10	10/24/24 11:35	PB164311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	11.2		0.20	1.90	ug/kg
319-85-7	beta-BHC	12.4		0.55	1.90	ug/kg
319-86-8	delta-BHC	12.0		0.52	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	12.3		0.21	1.90	ug/kg
76-44-8	Heptachlor	12.8		0.19	1.90	ug/kg
309-00-2	Aldrin	12.5		0.16	1.90	ug/kg
1024-57-3	Heptachlor epoxide	13.6		0.26	1.90	ug/kg
959-98-8	Endosulfan I	13.7		0.19	1.90	ug/kg
60-57-1	Dieldrin	13.6		0.17	1.90	ug/kg
72-55-9	4,4-DDE	13.1		0.14	1.90	ug/kg
72-20-8	Endrin	15.1		0.18	1.90	ug/kg
33213-65-9	Endosulfan II	15.0		0.33	1.90	ug/kg
72-54-8	4,4-DDD	14.1		0.21	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	14.4		0.14	1.90	ug/kg
50-29-3	4,4-DDT	14.7		0.19	1.90	ug/kg
72-43-5	Methoxychlor	16.6		0.42	1.90	ug/kg
53494-70-5	Endrin ketone	14.6		0.24	1.90	ug/kg
7421-93-4	Endrin aldehyde	14.0		0.43	1.90	ug/kg
5103-71-9	alpha-Chlordane	14.1		0.19	1.90	ug/kg
5103-74-2	gamma-Chlordane	14.5		0.21	1.90	ug/kg
8001-35-2	Toxaphene	5.80	U	5.80	36.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.8		30 (10) - 150 (148)	94%	SPK: 20
877-09-8	Tetrachloro-m-xylene	14.5		30 (10) - 150 (159)	72%	SPK: 20

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Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/21/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/21/24
Client Sample ID:	BP-F-28MS	SDG No.:	P4473
Lab Sample ID:	P4472-01MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	89.7 Decanted:
Sample Wt/Vol:	30.04 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
PL092595.D	1	10/22/24 10:10	10/24/24 11:35	PB164311

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
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J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
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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:	Yannuzzi Group, Inc.	Date Collected:	10/21/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/21/24
Client Sample ID:	BP-F-28MSD	SDG No.:	P4473
Lab Sample ID:	P4472-01MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	89.7 Decanted:
Sample Wt/Vol:	30.06 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
PL092596.D	1	10/22/24 10:10	10/24/24 11:49	PB164311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	11.5		0.20	1.90	ug/kg
319-85-7	beta-BHC	12.3		0.55	1.90	ug/kg
319-86-8	delta-BHC	11.5		0.52	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	12.3		0.21	1.90	ug/kg
76-44-8	Heptachlor	12.9		0.19	1.90	ug/kg
309-00-2	Aldrin	12.5		0.16	1.90	ug/kg
1024-57-3	Heptachlor epoxide	14.1		0.26	1.90	ug/kg
959-98-8	Endosulfan I	14.8		0.19	1.90	ug/kg
60-57-1	Dieldrin	13.8		0.17	1.90	ug/kg
72-55-9	4,4-DDE	13.1		0.14	1.90	ug/kg
72-20-8	Endrin	15.0		0.18	1.90	ug/kg
33213-65-9	Endosulfan II	15.5		0.33	1.90	ug/kg
72-54-8	4,4-DDD	15.0		0.21	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	15.1		0.14	1.90	ug/kg
50-29-3	4,4-DDT	15.6		0.19	1.90	ug/kg
72-43-5	Methoxychlor	17.1		0.42	1.90	ug/kg
53494-70-5	Endrin ketone	15.8		0.24	1.90	ug/kg
7421-93-4	Endrin aldehyde	14.9		0.43	1.90	ug/kg
5103-71-9	alpha-Chlordane	14.4		0.19	1.90	ug/kg
5103-74-2	gamma-Chlordane	14.9		0.21	1.90	ug/kg
8001-35-2	Toxaphene	5.80	U	5.80	36.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.1		30 (10) - 150 (148)	91%	SPK: 20
877-09-8	Tetrachloro-m-xylene	14.6		30 (10) - 150 (159)	73%	SPK: 20

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Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/21/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/21/24
Client Sample ID:	BP-F-28MSD	SDG No.:	P4473
Lab Sample ID:	P4472-01MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	89.7 Decanted:
Sample Wt/Vol:	30.06 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
PL092596.D	1	10/22/24 10:10	10/24/24 11:49	PB164311

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
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J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
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CALIBRATION SUMMARY

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

Instrument ID: ECD_L **Calibration Date(s):** 10/21/2024 10/21/2024

Calibration Times: 13:00 13:53

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

LAB FILE ID: RT 100 = PL092497.D RT 075 = PL092498.D

RT 050 = PL092499.D RT 025 = PL092500.D RT 005 = PL092501.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	6.71	6.71	6.71	6.71	6.71	6.71	6.61	6.81
4,4'-DDE	6.19	6.19	6.19	6.19	6.19	6.19	6.09	6.29
4,4'-DDT	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aldrin	5.26	5.26	5.26	5.26	5.26	5.26	5.16	5.36
alpha-BHC	4.00	3.99	3.99	3.99	3.99	3.99	3.89	4.09
alpha-Chlordane	6.02	6.02	6.02	6.02	6.02	6.02	5.92	6.12
beta-BHC	4.53	4.52	4.52	4.52	4.52	4.52	4.42	4.62
Decachlorobiphenyl	9.06	9.06	9.06	9.05	9.06	9.06	8.96	9.16
delta-BHC	4.77	4.77	4.77	4.77	4.77	4.77	4.67	4.87
Dieldrin	6.34	6.34	6.35	6.34	6.35	6.34	6.24	6.44
Endosulfan I	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Endosulfan II	6.79	6.79	6.79	6.79	6.79	6.79	6.69	6.89
Endosulfan sulfate	7.16	7.16	7.16	7.16	7.16	7.16	7.06	7.26
Endrin	6.57	6.58	6.57	6.57	6.57	6.57	6.47	6.67
Endrin aldehyde	6.92	6.92	6.92	6.92	6.93	6.92	6.82	7.02
Endrin ketone	7.64	7.64	7.64	7.64	7.64	7.64	7.54	7.74
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
gamma-Chlordane	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Heptachlor	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Heptachlor epoxide	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Methoxychlor	7.50	7.50	7.50	7.50	7.50	7.50	7.40	7.60
Tetrachloro-m-xylene	3.54	3.54	3.54	3.54	3.54	3.54	3.44	3.64

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

Instrument ID: ECD_L **Calibration Date(s):** 10/21/2024 10/21/2024

Calibration Times: 13:00 13:53

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

LAB FILE ID: RT 100 = PL092497.D RT 075 = PL092498.D

RT 050 = PL092499.D RT 025 = PL092500.D RT 005 = PL092501.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	5.79	5.79	5.79	5.79	5.79	5.79	5.69	5.89
4,4'-DDE	5.23	5.24	5.23	5.23	5.23	5.23	5.13	5.33
4,4'-DDT	6.04	6.04	6.04	6.04	6.04	6.04	5.94	6.14
Aldrin	4.23	4.23	4.23	4.23	4.23	4.23	4.13	4.33
alpha-BHC	3.28	3.28	3.28	3.28	3.28	3.28	3.18	3.38
alpha-Chlordane	5.05	5.05	5.05	5.05	5.05	5.05	4.95	5.15
beta-BHC	3.91	3.91	3.91	3.91	3.91	3.91	3.81	4.01
Decachlorobiphenyl	7.92	7.92	7.92	7.92	7.92	7.92	7.82	8.02
delta-BHC	4.14	4.14	4.14	4.14	4.14	4.14	4.04	4.24
Dieldrin	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
Endosulfan I	5.10	5.10	5.10	5.10	5.10	5.10	5.00	5.20
Endosulfan II	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Endosulfan sulfate	6.34	6.34	6.34	6.34	6.34	6.34	6.24	6.44
Endrin	5.64	5.64	5.64	5.64	5.64	5.64	5.54	5.74
Endrin aldehyde	6.12	6.12	6.12	6.12	6.12	6.12	6.02	6.22
Endrin ketone	6.84	6.84	6.84	6.84	6.85	6.84	6.74	6.94
gamma-BHC (Lindane)	3.61	3.61	3.61	3.61	3.61	3.61	3.51	3.71
gamma-Chlordane	4.98	4.98	4.98	4.98	4.98	4.98	4.88	5.08
Heptachlor	3.95	3.95	3.95	3.95	3.95	3.95	3.85	4.05
Heptachlor epoxide	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Methoxychlor	6.62	6.62	6.62	6.62	6.62	6.62	6.52	6.72
Tetrachloro-m-xylene	2.78	2.78	2.78	2.78	2.78	2.78	2.68	2.88

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

Instrument ID: ECD_L **Calibration Date(s):** 10/21/2024 10/21/2024

Calibration Times: 13:00 13:53

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

LAB FILE ID: **CF 100 =** PL092497.D **CF 075 =** PL092498.D

CF 050 = PL092499.D **CF 025 =** PL092500.D **CF 005 =** PL092501.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	2246400000	2258620000	2360420000	2437540000	2776830000	2415960000	9
4,4'-DDE	2768040000	2811970000	2906870000	3034090000	3308610000	2965920000	7
4,4'-DDT	2351780000	2354700000	2458670000	2510620000	2654500000	2466050000	5
Aldrin	3357570000	3399600000	3527390000	3705500000	4403230000	3678660000	12
alpha-BHC	3880960000	3900500000	3985440000	4129150000	4710150000	4121240000	8
alpha-Chlordane	2934020000	3004180000	3127580000	3292340000	3923880000	3256400000	12
beta-BHC	1472550000	1485480000	1520550000	1582420000	1700650000	1552330000	6
Decachlorobiphenyl	1893630000	1911900000	1968460000	2071700000	2310050000	2031150000	8
delta-BHC	3526460000	3537730000	3645230000	3889220000	4211510000	3762030000	8
Dieldrin	2994540000	3035510000	3143820000	3281370000	3804200000	3251890000	10
Endosulfan I	2758780000	2810500000	2913200000	3062020000	3552420000	3019390000	11
Endosulfan II	2571530000	2607370000	2748580000	2960640000	3260790000	2829780000	10
Endosulfan sulfate	2304480000	2335740000	2443850000	2546180000	3002960000	2526640000	11
Endrin	2580620000	2625010000	2734790000	2924540000	3253750000	2823740000	10
Endrin aldehyde	1982870000	2003830000	2098670000	2187760000	2407240000	2136080000	8
Endrin ketone	2572770000	2595940000	2703400000	2798310000	3078670000	2749820000	7
gamma-BHC (Lindane)	3651940000	3672710000	3751070000	3836830000	4321280000	3846770000	7
gamma-Chlordane	2975150000	3046540000	3165110000	3319740000	3978350000	3296980000	12
Heptachlor	3266860000	3307900000	3429100000	3569740000	4155000000	3545720000	10
Heptachlor epoxide	3004670000	3040630000	3248410000	3443240000	3866730000	3320740000	11
Methoxychlor	1148350000	1158380000	1214430000	1185540000	1181850000	1177710000	2
Tetrachloro-m-xylene	2537390000	2552890000	2586960000	2724730000	3067200000	2693840000	8

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

Instrument ID: ECD_L **Calibration Date(s):** 10/21/2024 10/21/2024

Calibration Times: 13:00 13:53

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

LAB FILE ID: **CF 100 =** PL092497.D **CF 075 =** PL092498.D

CF 050 = PL092499.D **CF 025 =** PL092500.D **CF 005 =** PL092501.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	2693820000	2711750000	2763570000	2774490000	2947510000	2778230000	4
4,4'-DDE	3365970000	3350290000	3424050000	3426470000	3819900000	3477340000	6
4,4'-DDT	2876310000	2862890000	2900910000	2875360000	3169270000	2936950000	4
Aldrin	3902880000	3867350000	3920990000	3908110000	4278130000	3975490000	4
alpha-BHC	4282080000	4249760000	4259610000	4206610000	4577410000	4315100000	3
alpha-Chlordane	3453960000	3467250000	3481480000	3550810000	3816750000	3554050000	4
beta-BHC	1637290000	1631380000	1679350000	1708600000	2073140000	1745950000	11
Decachlorobiphenyl	2533020000	2508980000	2598990000	2640650000	2893220000	2634970000	6
delta-BHC	4115860000	4070010000	4108760000	4122660000	4613930000	4206240000	5
Dieldrin	3524630000	3511910000	3576190000	3612640000	4046390000	3654350000	6
Endosulfan I	3116470000	3138120000	3163890000	3197670000	3298980000	3183030000	2
Endosulfan II	2909510000	2958770000	3049780000	3070330000	3642720000	3126220000	9
Endosulfan sulfate	2760410000	2764670000	2816810000	2859720000	3579720000	2956270000	12
Endrin	3096230000	3113840000	3236910000	3364340000	3563230000	3274910000	6
Endrin aldehyde	2316790000	2330610000	2385350000	2437260000	2812750000	2456550000	8
Endrin ketone	3125230000	3132330000	3203190000	3221610000	3378350000	3212140000	3
gamma-BHC (Lindane)	4098710000	4055410000	4107080000	4122620000	4206290000	4118020000	1
gamma-Chlordane	3544140000	3552270000	3600750000	3641630000	4057250000	3679210000	6
Heptachlor	3908940000	3891170000	3959270000	3983440000	4335990000	4015760000	5
Heptachlor epoxide	3409250000	3412120000	3473550000	3502030000	3820750000	3523540000	5
Methoxychlor	1383990000	1380180000	1398790000	1408970000	1517400000	1417870000	4
Tetrachloro-m-xylene	2710240000	2704020000	2735270000	2751220000	2986460000	2777440000	4

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

Instrument ID: ECD_L **Date(s) Analyzed:** 10/21/2024 10/21/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	6.24	6.14	6.34	26646900
		2	6.44	6.34	6.54	15596100
		3	7.06	6.96	7.16	86692500
		4	7.15	7.05	7.25	69480900
		5	7.94	7.84	8.04	48743400

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

Instrument ID: ECD_L **Date(s) Analyzed:** 10/21/2024 10/21/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	5.01	4.91	5.11	24468000
		2	5.33	5.23	5.43	24010200
		3	6.61	6.51	6.71	70676500
		4	6.73	6.63	6.83	82521800
		5	7.05	6.95	7.15	83166000

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

CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

Continuing Calib Date: 10/23/2024 **Initial Calibration Date(s):** 10/21/2024 10/21/2024

Continuing Calib Time: 09:38 **Initial Calibration Time(s):** 13:00 13:53

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	3.99	3.89	4.09	-0.01
beta-BHC	4.53	4.52	4.42	4.62	-0.01
delta-BHC	4.78	4.77	4.67	4.87	-0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Endosulfan II	6.80	6.79	6.69	6.89	-0.01
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.65	7.64	7.54	7.74	-0.01
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

Continuing Calib Date: 10/23/2024 **Initial Calibration Date(s):** 10/21/2024 10/21/2024

Continuing Calib Time: 09:38 **Initial Calibration Time(s):** 13:00 13:53

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Aldrin	4.23	4.23	4.13	4.33	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.24	5.23	5.13	5.33	-0.01
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.94	5.94	5.84	6.04	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00
Endrin ketone	6.85	6.84	6.74	6.94	-0.01
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No.: CCAL01 **Date Analyzed:** 10/23/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092553.D **Time Analyzed:** 09:38

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.714	6.610	6.810	40.800	50.000	-18.4
4,4'-DDE	6.197	6.092	6.292	40.530	50.000	-18.9
4,4'-DDT	7.028	6.924	7.124	41.890	50.000	-16.2
Aldrin	5.262	5.157	5.357	42.120	50.000	-15.8
alpha-BHC	4.000	3.894	4.094	43.580	50.000	-12.8
alpha-Chlordane	6.023	5.918	6.118	41.670	50.000	-16.7
beta-BHC	4.530	4.424	4.624	47.670	50.000	-4.7
Decachlorobiphenyl	9.059	8.955	9.155	46.510	50.000	-7.0
delta-BHC	4.777	4.671	4.871	43.180	50.000	-13.6
Dieldrin	6.349	6.245	6.445	41.550	50.000	-16.9
Endosulfan I	6.074	5.969	6.169	42.320	50.000	-15.4
Endosulfan II	6.798	6.694	6.894	42.150	50.000	-15.7
Endosulfan sulfate	7.162	7.059	7.259	43.090	50.000	-13.8
Endrin	6.578	6.474	6.674	40.710	50.000	-18.6
Endrin aldehyde	6.929	6.824	7.024	44.410	50.000	-11.2
Endrin ketone	7.647	7.544	7.744	44.600	50.000	-10.8
gamma-BHC (Lindane)	4.332	4.227	4.427	44.680	50.000	-10.6
gamma-Chlordane	5.944	5.839	6.039	41.260	50.000	-17.5
Heptachlor	4.920	4.815	5.015	43.900	50.000	-12.2
Heptachlor epoxide	5.688	5.583	5.783	42.850	50.000	-14.3
Methoxychlor	7.503	7.400	7.600	47.120	50.000	-5.8
Tetrachloro-m-xylene	3.544	3.438	3.638	47.680	50.000	-4.6

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CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No.: CCAL01 **Date Analyzed:** 10/23/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092553.D **Time Analyzed:** 09:38

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.791	5.689	5.889	48.090	50.000	-3.8
4,4'-DDE	5.236	5.134	5.334	50.070	50.000	0.1
4,4'-DDT	6.042	5.940	6.140	48.800	50.000	-2.4
Aldrin	4.231	4.129	4.329	51.180	50.000	2.4
alpha-BHC	3.282	3.180	3.380	51.310	50.000	2.6
alpha-Chlordane	5.047	4.945	5.145	51.150	50.000	2.3
beta-BHC	3.912	3.810	4.010	50.120	50.000	0.2
Decachlorobiphenyl	7.918	7.817	8.017	53.940	50.000	7.9
delta-BHC	4.141	4.038	4.238	50.320	50.000	0.6
Dieldrin	5.368	5.266	5.466	50.010	50.000	0.0
Endosulfan I	5.104	5.001	5.201	52.390	50.000	4.8
Endosulfan II	5.938	5.836	6.036	49.220	50.000	-1.6
Endosulfan sulfate	6.340	6.238	6.438	48.750	50.000	-2.5
Endrin	5.643	5.541	5.741	49.320	50.000	-1.4
Endrin aldehyde	6.117	6.016	6.216	49.840	50.000	-0.3
Endrin ketone	6.846	6.744	6.944	50.950	50.000	1.9
gamma-BHC (Lindane)	3.612	3.510	3.710	51.860	50.000	3.7
gamma-Chlordane	4.984	4.881	5.081	49.950	50.000	-0.1
Heptachlor	3.951	3.849	4.049	51.880	50.000	3.8
Heptachlor epoxide	4.734	4.631	4.831	52.030	50.000	4.1
Methoxychlor	6.617	6.515	6.715	52.400	50.000	4.8
Tetrachloro-m-xylene	2.779	2.677	2.877	52.560	50.000	5.1

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CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

Continuing Calib Date: 10/23/2024 **Initial Calibration Date(s):** 10/21/2024 10/21/2024

Continuing Calib Time: 18:50 **Initial Calibration Time(s):** 13:00 13:53

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	3.99	3.89	4.09	-0.01
beta-BHC	4.53	4.52	4.42	4.62	-0.01
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
Endrin	6.58	6.57	6.47	6.67	0.00
Endosulfan II	6.80	6.79	6.69	6.89	-0.01
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.65	7.64	7.54	7.74	-0.01
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

Continuing Calib Date: 10/23/2024 **Initial Calibration Date(s):** 10/21/2024 10/21/2024

Continuing Calib Time: 18:50 **Initial Calibration Time(s):** 13:00 13:53

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Aldrin	4.23	4.23	4.13	4.33	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.24	5.23	5.13	5.33	-0.01
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.94	5.94	5.84	6.04	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00
Endrin ketone	6.85	6.84	6.74	6.94	-0.01
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No.: CCAL02 **Date Analyzed:** 10/23/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092568.D **Time Analyzed:** 18:50

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.712	6.610	6.810	44.460	50.000	-11.1
4,4'-DDE	6.195	6.092	6.292	42.160	50.000	-15.7
4,4'-DDT	7.026	6.924	7.124	40.150	50.000	-19.7
Aldrin	5.260	5.157	5.357	42.840	50.000	-14.3
alpha-BHC	3.997	3.894	4.094	44.420	50.000	-11.2
alpha-Chlordane	6.021	5.918	6.118	42.200	50.000	-15.6
beta-BHC	4.527	4.424	4.624	49.320	50.000	-1.4
Decachlorobiphenyl	9.057	8.955	9.155	48.570	50.000	-2.9
delta-BHC	4.774	4.671	4.871	45.030	50.000	-9.9
Dieldrin	6.347	6.245	6.445	42.280	50.000	-15.4
Endosulfan I	6.072	5.969	6.169	42.820	50.000	-14.4
Endosulfan II	6.797	6.694	6.894	42.620	50.000	-14.8
Endosulfan sulfate	7.161	7.059	7.259	44.330	50.000	-11.3
Endrin	6.575	6.474	6.674	40.190	50.000	-19.6
Endrin aldehyde	6.926	6.824	7.024	46.020	50.000	-8.0
Endrin ketone	7.646	7.544	7.744	46.770	50.000	-6.5
gamma-BHC (Lindane)	4.329	4.227	4.427	45.460	50.000	-9.1
gamma-Chlordane	5.942	5.839	6.039	41.860	50.000	-16.3
Heptachlor	4.918	4.815	5.015	42.990	50.000	-14.0
Heptachlor epoxide	5.685	5.583	5.783	43.650	50.000	-12.7
Methoxychlor	7.502	7.400	7.600	45.530	50.000	-8.9
Tetrachloro-m-xylene	3.541	3.438	3.638	48.380	50.000	-3.2

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CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No.: CCAL02 **Date Analyzed:** 10/23/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092568.D **Time Analyzed:** 18:50

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.791	5.689	5.889	53.520	50.000	7.0
4,4'-DDE	5.236	5.134	5.334	52.910	50.000	5.8
4,4'-DDT	6.041	5.940	6.140	45.110	50.000	-9.8
Aldrin	4.231	4.129	4.329	52.960	50.000	5.9
alpha-BHC	3.282	3.180	3.380	52.940	50.000	5.9
alpha-Chlordane	5.047	4.945	5.145	52.920	50.000	5.8
beta-BHC	3.912	3.810	4.010	52.490	50.000	5.0
Decachlorobiphenyl	7.918	7.817	8.017	55.780	50.000	11.6
delta-BHC	4.141	4.038	4.238	52.610	50.000	5.2
Dieldrin	5.368	5.266	5.466	51.790	50.000	3.6
Endosulfan I	5.103	5.001	5.201	54.230	50.000	8.5
Endosulfan II	5.937	5.836	6.036	50.330	50.000	0.7
Endosulfan sulfate	6.340	6.238	6.438	50.140	50.000	0.3
Endrin	5.643	5.541	5.741	48.850	50.000	-2.3
Endrin aldehyde	6.117	6.016	6.216	51.370	50.000	2.7
Endrin ketone	6.846	6.744	6.944	53.900	50.000	7.8
gamma-BHC (Lindane)	3.612	3.510	3.710	53.510	50.000	7.0
gamma-Chlordane	4.983	4.881	5.081	52.020	50.000	4.0
Heptachlor	3.951	3.849	4.049	51.110	50.000	2.2
Heptachlor epoxide	4.733	4.631	4.831	53.800	50.000	7.6
Methoxychlor	6.617	6.515	6.715	49.910	50.000	-0.2
Tetrachloro-m-xylene	2.780	2.677	2.877	54.330	50.000	8.7

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CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

Continuing Calib Date: 10/24/2024 **Initial Calibration Date(s):** 10/21/2024 10/21/2024

Continuing Calib Time: 10:19 **Initial Calibration Time(s):** 13:00 13:53

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	3.99	3.89	4.09	-0.01
beta-BHC	4.53	4.52	4.42	4.62	-0.01
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.58	6.57	6.47	6.67	-0.01
Endosulfan II	6.80	6.79	6.69	6.89	-0.01
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.65	7.64	7.54	7.74	-0.01
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

Continuing Calib Date: 10/24/2024 **Initial Calibration Date(s):** 10/21/2024 10/21/2024

Continuing Calib Time: 10:19 **Initial Calibration Time(s):** 13:00 13:53

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Aldrin	4.23	4.23	4.13	4.33	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.24	5.23	5.13	5.33	-0.01
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.94	5.94	5.84	6.04	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00
Endrin ketone	6.84	6.84	6.74	6.94	0.00
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No.: CCAL03 **Date Analyzed:** 10/24/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092591.D **Time Analyzed:** 10:19

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.712	6.610	6.810	44.540	50.000	-10.9
4,4'-DDE	6.194	6.092	6.292	44.570	50.000	-10.9
4,4'-DDT	7.025	6.924	7.124	46.760	50.000	-6.5
Aldrin	5.260	5.157	5.357	45.790	50.000	-8.4
alpha-BHC	3.997	3.894	4.094	47.920	50.000	-4.2
alpha-Chlordane	6.021	5.918	6.118	45.130	50.000	-9.7
beta-BHC	4.527	4.424	4.624	52.000	50.000	4.0
Decachlorobiphenyl	9.057	8.955	9.155	51.250	50.000	2.5
delta-BHC	4.774	4.671	4.871	46.560	50.000	-6.9
Dieldrin	6.347	6.245	6.445	45.190	50.000	-9.6
Endosulfan I	6.071	5.969	6.169	45.850	50.000	-8.3
Endosulfan II	6.795	6.694	6.894	46.080	50.000	-7.8
Endosulfan sulfate	7.160	7.059	7.259	46.660	50.000	-6.7
Endrin	6.576	6.474	6.674	44.700	50.000	-10.6
Endrin aldehyde	6.926	6.824	7.024	48.200	50.000	-3.6
Endrin ketone	7.646	7.544	7.744	48.360	50.000	-3.3
gamma-BHC (Lindane)	4.330	4.227	4.427	48.930	50.000	-2.1
gamma-Chlordane	5.942	5.839	6.039	44.680	50.000	-10.6
Heptachlor	4.918	4.815	5.015	47.520	50.000	-5.0
Heptachlor epoxide	5.684	5.583	5.783	46.660	50.000	-6.7
Methoxychlor	7.501	7.400	7.600	51.960	50.000	3.9
Tetrachloro-m-xylene	3.541	3.438	3.638	51.820	50.000	3.6

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CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No.: CCAL03 **Date Analyzed:** 10/24/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092591.D **Time Analyzed:** 10:19

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.790	5.689	5.889	53.360	50.000	6.7
4,4'-DDE	5.236	5.134	5.334	55.100	50.000	10.2
4,4'-DDT	6.041	5.940	6.140	53.570	50.000	7.1
Aldrin	4.231	4.129	4.329	55.170	50.000	10.3
alpha-BHC	3.282	3.180	3.380	56.270	50.000	12.5
alpha-Chlordane	5.047	4.945	5.145	54.760	50.000	9.5
beta-BHC	3.912	3.810	4.010	54.310	50.000	8.6
Decachlorobiphenyl	7.918	7.817	8.017	58.240	50.000	16.5
delta-BHC	4.141	4.038	4.238	55.000	50.000	10.0
Dieldrin	5.368	5.266	5.466	54.110	50.000	8.2
Endosulfan I	5.103	5.001	5.201	55.770	50.000	11.5
Endosulfan II	5.938	5.836	6.036	52.620	50.000	5.2
Endosulfan sulfate	6.340	6.238	6.438	55.470	50.000	10.9
Endrin	5.643	5.541	5.741	53.080	50.000	6.2
Endrin aldehyde	6.117	6.016	6.216	53.640	50.000	7.3
Endrin ketone	6.844	6.744	6.944	57.030	50.000	14.1
gamma-BHC (Lindane)	3.612	3.510	3.710	56.090	50.000	12.2
gamma-Chlordane	4.984	4.881	5.081	53.600	50.000	7.2
Heptachlor	3.951	3.849	4.049	56.020	50.000	12.0
Heptachlor epoxide	4.733	4.631	4.831	55.710	50.000	11.4
Methoxychlor	6.616	6.515	6.715	58.450	50.000	16.9
Tetrachloro-m-xylene	2.779	2.677	2.877	56.670	50.000	13.3

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CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

Continuing Calib Date: 10/24/2024 **Initial Calibration Date(s):** 10/21/2024 10/21/2024

Continuing Calib Time: 17:20 **Initial Calibration Time(s):** 13:00 13:53

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.55	3.54	3.44	3.64	-0.01
alpha-BHC	4.00	3.99	3.89	4.09	-0.01
beta-BHC	4.53	4.52	4.42	4.62	-0.01
delta-BHC	4.78	4.77	4.67	4.87	-0.01
gamma-BHC (Lindane)	4.34	4.33	4.23	4.43	-0.01
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endosulfan I	6.08	6.07	5.97	6.17	-0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Endosulfan II	6.80	6.79	6.69	6.89	-0.01
4,4'-DDD	6.72	6.71	6.61	6.81	-0.01
Endosulfan sulfate	7.17	7.16	7.06	7.26	-0.01
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.51	7.50	7.40	7.60	-0.01
Endrin ketone	7.65	7.64	7.54	7.74	-0.01
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
alpha-Chlordane	6.03	6.02	5.92	6.12	-0.01
gamma-Chlordane	5.95	5.94	5.84	6.04	-0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

Continuing Calib Date: 10/24/2024 **Initial Calibration Date(s):** 10/21/2024 10/21/2024

Continuing Calib Time: 17:20 **Initial Calibration Time(s):** 13:00 13:53

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Aldrin	4.23	4.23	4.13	4.33	0.00
Heptachlor epoxide	4.74	4.73	4.63	4.83	-0.01
Endosulfan I	5.11	5.10	5.00	5.20	-0.01
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.24	5.23	5.13	5.33	-0.01
Endrin	5.65	5.64	5.54	5.74	0.00
Endosulfan II	5.94	5.94	5.84	6.04	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00
Endrin ketone	6.85	6.84	6.74	6.94	-0.01
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.99	4.98	4.88	5.08	-0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No.: CCAL04 **Date Analyzed:** 10/24/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092613.D **Time Analyzed:** 17:20

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.717	6.610	6.810	44.000	50.000	-12.0
4,4'-DDE	6.200	6.092	6.292	42.900	50.000	-14.2
4,4'-DDT	7.031	6.924	7.124	44.660	50.000	-10.7
Aldrin	5.264	5.157	5.357	43.560	50.000	-12.9
alpha-BHC	4.003	3.894	4.094	45.660	50.000	-8.7
alpha-Chlordane	6.026	5.918	6.118	43.300	50.000	-13.4
beta-BHC	4.533	4.424	4.624	49.860	50.000	-0.3
Decachlorobiphenyl	9.061	8.955	9.155	49.250	50.000	-1.5
delta-BHC	4.780	4.671	4.871	45.280	50.000	-9.4
Dieldrin	6.350	6.245	6.445	42.880	50.000	-14.2
Endosulfan I	6.077	5.969	6.169	44.130	50.000	-11.7
Endosulfan II	6.801	6.694	6.894	43.530	50.000	-12.9
Endosulfan sulfate	7.166	7.059	7.259	44.870	50.000	-10.3
Endrin	6.582	6.474	6.674	42.050	50.000	-15.9
Endrin aldehyde	6.931	6.824	7.024	46.360	50.000	-7.3
Endrin ketone	7.650	7.544	7.744	46.450	50.000	-7.1
gamma-BHC (Lindane)	4.335	4.227	4.427	46.560	50.000	-6.9
gamma-Chlordane	5.948	5.839	6.039	43.260	50.000	-13.5
Heptachlor	4.922	4.815	5.015	45.870	50.000	-8.3
Heptachlor epoxide	5.690	5.583	5.783	43.230	50.000	-13.5
Methoxychlor	7.506	7.400	7.600	51.180	50.000	2.4
Tetrachloro-m-xylene	3.547	3.438	3.638	49.340	50.000	-1.3

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CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No.: CCAL04 **Date Analyzed:** 10/24/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092613.D **Time Analyzed:** 17:20

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.793	5.689	5.889	51.040	50.000	2.1
4,4'-DDE	5.238	5.134	5.334	52.810	50.000	5.6
4,4'-DDT	6.043	5.940	6.140	51.330	50.000	2.7
Aldrin	4.232	4.129	4.329	52.500	50.000	5.0
alpha-BHC	3.283	3.180	3.380	53.220	50.000	6.4
alpha-Chlordane	5.048	4.945	5.145	52.100	50.000	4.2
beta-BHC	3.912	3.810	4.010	52.170	50.000	4.3
Decachlorobiphenyl	7.920	7.817	8.017	53.280	50.000	6.6
delta-BHC	4.142	4.038	4.238	52.820	50.000	5.6
Dieldrin	5.369	5.266	5.466	52.060	50.000	4.1
Endosulfan I	5.105	5.001	5.201	53.500	50.000	7.0
Endosulfan II	5.938	5.836	6.036	50.110	50.000	0.2
Endosulfan sulfate	6.342	6.238	6.438	50.150	50.000	0.3
Endrin	5.645	5.541	5.741	51.590	50.000	3.2
Endrin aldehyde	6.119	6.016	6.216	50.880	50.000	1.8
Endrin ketone	6.846	6.744	6.944	52.380	50.000	4.8
gamma-BHC (Lindane)	3.613	3.510	3.710	53.810	50.000	7.6
gamma-Chlordane	4.985	4.881	5.081	51.110	50.000	2.2
Heptachlor	3.952	3.849	4.049	53.550	50.000	7.1
Heptachlor epoxide	4.735	4.631	4.831	53.230	50.000	6.5
Methoxychlor	6.619	6.515	6.715	56.150	50.000	12.3
Tetrachloro-m-xylene	2.779	2.677	2.877	54.610	50.000	9.2

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No. (PEM): PEM - PL092495.D **Date Analyzed:** 10/21/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 12:33

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.056	8.960	9.160	19.690	20.000	-1.6
Tetrachloro-m-xylene	3.539	3.490	3.590	19.690	20.000	-1.6
alpha-BHC	3.995	3.940	4.050	10.390	10.000	3.9
beta-BHC	4.525	4.470	4.580	9.750	10.000	-2.5
gamma-BHC (Lindane)	4.327	4.280	4.380	9.890	10.000	-1.1
Endrin	6.575	6.500	6.650	44.220	50.000	-11.6
4,4'-DDT	7.025	6.950	7.100	91.010	100.000	-9.0
Methoxychlor	7.501	7.430	7.570	222.860	250.000	-10.9

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No. (PEM): PEM - PL092495.D **Date Analyzed:** 10/21/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 12:33

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.918	7.820	8.020	19.360	20.000	-3.2
Tetrachloro-m-xylene	2.777	2.730	2.830	19.090	20.000	-4.6
alpha-BHC	3.280	3.230	3.330	9.580	10.000	-4.2
beta-BHC	3.910	3.860	3.960	11.410	10.000	14.1
gamma-BHC (Lindane)	3.610	3.560	3.660	9.570	10.000	-4.3
Endrin	5.642	5.570	5.710	45.220	50.000	-9.6
4,4'-DDT	6.041	5.970	6.110	97.030	100.000	-3.0
Methoxychlor	6.616	6.550	6.690	226.150	250.000	-9.5

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No. (PEM): PEM - PL092552.D **Date Analyzed:** 10/23/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 08:38

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.057	8.960	9.160	18.320	20.000	-8.4
Tetrachloro-m-xylene	3.541	3.490	3.590	18.540	20.000	-7.3
alpha-BHC	3.997	3.950	4.050	8.600	10.000	-14.0
beta-BHC	4.527	4.480	4.580	10.160	10.000	1.6
gamma-BHC (Lindane)	4.330	4.280	4.380	8.720	10.000	-12.8
Endrin	6.575	6.500	6.650	34.870	50.000	-30.3
4,4'-DDT	7.026	6.960	7.100	73.660	100.000	-26.3
Methoxychlor	7.502	7.430	7.570	194.550	250.000	-22.2

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No. (PEM): PEM - PL092552.D **Date Analyzed:** 10/23/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 08:38

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.918	7.820	8.020	20.250	20.000	1.3
Tetrachloro-m-xylene	2.780	2.730	2.830	19.380	20.000	-3.1
alpha-BHC	3.282	3.230	3.330	8.770	10.000	-12.3
beta-BHC	3.911	3.860	3.960	10.160	10.000	1.6
gamma-BHC (Lindane)	3.612	3.560	3.660	8.540	10.000	-14.6
Endrin	5.643	5.570	5.710	42.520	50.000	-15.0
4,4'-DDT	6.041	5.970	6.110	94.330	100.000	-5.7
Methoxychlor	6.616	6.550	6.690	227.710	250.000	-8.9

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No. (PEM): PEM - PL092590.D **Date Analyzed:** 10/24/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:06

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.058	8.960	9.160	19.320	20.000	-3.4
Tetrachloro-m-xylene	3.541	3.490	3.590	19.300	20.000	-3.5
alpha-BHC	3.997	3.950	4.050	9.060	10.000	-9.4
beta-BHC	4.527	4.480	4.580	10.490	10.000	4.9
gamma-BHC (Lindane)	4.329	4.280	4.380	9.110	10.000	-8.9
Endrin	6.577	6.510	6.650	36.800	50.000	-26.4
4,4'-DDT	7.026	6.960	7.100	80.280	100.000	-19.7
Methoxychlor	7.503	7.430	7.570	215.310	250.000	-13.9

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No. (PEM): PEM - PL092590.D **Date Analyzed:** 10/24/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:06

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.918	7.820	8.020	21.540	20.000	7.7
Tetrachloro-m-xylene	2.779	2.730	2.830	19.600	20.000	-2.0
alpha-BHC	3.282	3.230	3.330	9.140	10.000	-8.6
beta-BHC	3.911	3.860	3.960	10.700	10.000	7.0
gamma-BHC (Lindane)	3.612	3.560	3.660	8.890	10.000	-11.1
Endrin	5.643	5.570	5.710	43.270	50.000	-13.5
4,4'-DDT	6.041	5.970	6.110	98.890	100.000	-1.1
Methoxychlor	6.616	6.550	6.690	247.330	250.000	-1.1

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Analytical Sequence

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Project: 86 Davidson Road, Piscataway, NJ **Instrument ID:** ECD_L

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/21/2024 10/21/2024

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	10/21/2024	12:19	PL092494.D	9.06	3.54
PEM	PEM	10/21/2024	12:33	PL092495.D	9.06	3.54
RESCHK	RESCHK	10/21/2024	12:46	PL092496.D	9.06	3.54
PSTDICC100	PSTDICC100	10/21/2024	13:00	PL092497.D	9.06	3.54
PSTDICC075	PSTDICC075	10/21/2024	13:13	PL092498.D	9.06	3.54
PSTDICC050	PSTDICC050	10/21/2024	13:26	PL092499.D	9.06	3.54
PSTDICC025	PSTDICC025	10/21/2024	13:40	PL092500.D	9.05	3.54
PSTDICC005	PSTDICC005	10/21/2024	13:53	PL092501.D	9.06	3.54
PCHLORICC500	PCHLORICC500	10/21/2024	14:33	PL092504.D	9.06	3.54
PTOXICC500	PTOXICC500	10/21/2024	15:40	PL092509.D	9.06	3.54
I.BLK	I.BLK	10/23/2024	08:24	PL092551.D	9.06	3.54
PEM	PEM	10/23/2024	08:38	PL092552.D	9.06	3.54
PSTDCCC050	PSTDCCC050	10/23/2024	09:38	PL092553.D	9.06	3.54
PB164311BL	PB164311BL	10/23/2024	09:52	PL092554.D	9.06	3.54
PB164311BS	PB164311BS	10/23/2024	13:33	PL092555.D	9.06	3.55
TS-1	P4473-01	10/23/2024	13:48	PL092556.D	9.06	3.54
I.BLK	I.BLK	10/23/2024	17:56	PL092566.D	9.06	3.54
PSTDCCC050	PSTDCCC050	10/23/2024	18:50	PL092568.D	9.06	3.54
I.BLK	I.BLK	10/24/2024	09:53	PL092589.D	9.06	3.54
PEM	PEM	10/24/2024	10:06	PL092590.D	9.06	3.54
PSTDCCC050	PSTDCCC050	10/24/2024	10:19	PL092591.D	9.06	3.54
BP-F-28MS	P4472-01MS	10/24/2024	11:35	PL092595.D	9.06	3.54
BP-F-28MSD	P4472-01MSD	10/24/2024	11:49	PL092596.D	9.06	3.54
I.BLK	I.BLK	10/24/2024	16:48	PL092612.D	9.06	3.54
PSTDCCC050	PSTDCCC050	10/24/2024	17:20	PL092613.D	9.06	3.55

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Analytical Sequence

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Project: 86 Davidson Road, Piscataway, NJ **Instrument ID:** ECD_L

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/21/2024 10/21/2024

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	10/21/2024	12:19	PL092494.D	7.92	2.78
PEM	PEM	10/21/2024	12:33	PL092495.D	7.92	2.78
RESCHK	RESCHK	10/21/2024	12:46	PL092496.D	7.92	2.78
PSTDICC100	PSTDICC100	10/21/2024	13:00	PL092497.D	7.92	2.78
PSTDICC075	PSTDICC075	10/21/2024	13:13	PL092498.D	7.92	2.78
PSTDICC050	PSTDICC050	10/21/2024	13:26	PL092499.D	7.92	2.78
PSTDICC025	PSTDICC025	10/21/2024	13:40	PL092500.D	7.92	2.78
PSTDICC005	PSTDICC005	10/21/2024	13:53	PL092501.D	7.92	2.78
PCHLORICC500	PCHLORICC500	10/21/2024	14:33	PL092504.D	7.92	2.78
PTOXICC500	PTOXICC500	10/21/2024	15:40	PL092509.D	7.92	2.78
I.BLK	I.BLK	10/23/2024	08:24	PL092551.D	7.92	2.78
PEM	PEM	10/23/2024	08:38	PL092552.D	7.92	2.78
PSTDCCC050	PSTDCCC050	10/23/2024	09:38	PL092553.D	7.92	2.78
PB164311BL	PB164311BL	10/23/2024	09:52	PL092554.D	7.92	2.78
PB164311BS	PB164311BS	10/23/2024	13:33	PL092555.D	7.92	2.78
TS-1	P4473-01	10/23/2024	13:48	PL092556.D	7.92	2.78
I.BLK	I.BLK	10/23/2024	17:56	PL092566.D	7.92	2.78
PSTDCCC050	PSTDCCC050	10/23/2024	18:50	PL092568.D	7.92	2.78
I.BLK	I.BLK	10/24/2024	09:53	PL092589.D	7.92	2.78
PEM	PEM	10/24/2024	10:06	PL092590.D	7.92	2.78
PSTDCCC050	PSTDCCC050	10/24/2024	10:19	PL092591.D	7.92	2.78
BP-F-28MS	P4472-01MS	10/24/2024	11:35	PL092595.D	7.92	2.78
BP-F-28MSD	P4472-01MSD	10/24/2024	11:49	PL092596.D	7.92	2.78
I.BLK	I.BLK	10/24/2024	16:48	PL092612.D	7.92	2.78
PSTDCCC050	PSTDCCC050	10/24/2024	17:20	PL092613.D	7.92	2.78

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

BP-F-28MS

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

Lab Sample ID: P4472-01MS **Date(s) Analyzed:** 10/24/2024 10/24/2024

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	6.80	6.75	6.85	13.8	8.3
	2	5.94	5.89	5.99	15.0	
4,4'-DDD	1	6.71	6.66	6.76	13.5	4.3
	2	5.79	5.74	5.84	14.1	
4,4'-DDT	1	7.03	6.98	7.08	14.4	2.1
	2	6.04	5.99	6.09	14.7	
Endrin aldehyde	1	6.93	6.88	6.98	14.0	0.7
	2	6.12	6.07	6.17	13.9	
Endosulfan sulfate	1	7.16	7.11	7.21	14.2	1.4
	2	6.34	6.29	6.39	14.4	
alpha-BHC	1	4.00	3.95	4.05	11.2	2.7
	2	3.28	3.23	3.33	10.9	
Aldrin	1	5.26	5.21	5.31	12.5	0
	2	4.23	4.18	4.28	12.5	
beta-BHC	1	4.53	4.48	4.58	12.4	5.8
	2	3.91	3.86	3.96	11.7	
delta-BHC	1	4.77	4.72	4.82	11.5	4.3
	2	4.14	4.09	4.19	12.0	
Endosulfan I	1	6.07	6.02	6.12	13.7	2.2
	2	5.10	5.05	5.15	13.4	
alpha-Chlordane	1	6.02	5.97	6.07	13.1	7.4
	2	5.05	5.00	5.10	14.1	
4,4'-DDE	1	6.19	6.14	6.24	12.1	7.9
	2	5.24	5.19	5.29	13.1	
Dieldrin	1	6.35	6.30	6.40	12.7	6.8
	2	5.37	5.32	5.42	13.6	
Endrin	1	6.58	6.53	6.63	13.2	13.4
	2	5.64	5.59	5.69	15.1	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

BP-F-28MS

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

Lab Sample ID: P4472-01MS **Date(s) Analyzed:** 10/24/2024 10/24/2024

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
Methoxychlor	1	7.50	7.45	7.55	16.4	1.2
	2	6.62	6.57	6.67	16.6	
Endrin ketone	1	7.65	7.60	7.70	14.6	2.1
	2	6.85	6.80	6.90	14.3	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	12.3	4.1
	2	3.61	3.56	3.66	11.8	
Heptachlor	1	4.92	4.87	4.97	12.8	3.2
	2	3.95	3.90	4.00	12.4	
Heptachlor epoxide	1	5.69	5.64	5.74	12.1	11.7
	2	4.73	4.68	4.78	13.6	
gamma-Chlordane	1	5.94	5.89	5.99	12.7	13.2
	2	4.98	4.93	5.03	14.5	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

BP-F-28MSD

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

Lab Sample ID: P4472-01MSD **Date(s) Analyzed:** 10/24/2024 10/24/2024

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	6.80	6.75	6.85	14.0	10.2
	2	5.94	5.89	5.99	15.5	
4,4'-DDD	1	6.71	6.66	6.76	13.7	9.1
	2	5.79	5.74	5.84	15.0	
4,4'-DDT	1	7.03	6.98	7.08	14.9	4.6
	2	6.04	5.99	6.09	15.6	
Endrin aldehyde	1	6.93	6.88	6.98	14.4	3.4
	2	6.12	6.07	6.17	14.9	
Endosulfan sulfate	1	7.16	7.11	7.21	14.4	4.7
	2	6.34	6.29	6.39	15.1	
Methoxychlor	1	7.50	7.45	7.55	17.0	0.6
	2	6.62	6.57	6.67	17.1	
Endrin ketone	1	7.65	7.60	7.70	15.1	4.5
	2	6.85	6.80	6.90	15.8	
alpha-BHC	1	4.00	3.95	4.05	11.5	9.1
	2	3.28	3.23	3.33	10.5	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	12.3	3.3
	2	3.61	3.56	3.66	11.9	
Heptachlor	1	4.92	4.87	4.97	12.9	3.1
	2	3.95	3.90	4.00	12.5	
Aldrin	1	5.26	5.21	5.31	12.4	0.8
	2	4.23	4.18	4.28	12.5	
beta-BHC	1	4.53	4.48	4.58	12.3	0
	2	3.91	3.86	3.96	12.3	
delta-BHC	1	4.77	4.72	4.82	11.5	0
	2	4.14	4.09	4.19	11.5	
Heptachlor epoxide	1	5.69	5.64	5.74	11.8	17.8
	2	4.73	4.68	4.78	14.1	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

BP-F-28MSD

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

Lab Sample ID: P4472-01MSD **Date(s) Analyzed:** 10/24/2024 10/24/2024

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	6.07	6.02	6.12	12.8	14.5
	2	5.10	5.05	5.15	14.8	
gamma-Chlordane	1	5.94	5.89	5.99	12.9	14.4
	2	4.98	4.93	5.03	14.9	
alpha-Chlordane	1	6.02	5.97	6.07	13.5	6.5
	2	5.05	5.00	5.10	14.4	
4,4'-DDE	1	6.20	6.15	6.25	12.6	3.9
	2	5.24	5.19	5.29	13.1	
Dieldrin	1	6.35	6.30	6.40	13.0	6
	2	5.37	5.32	5.42	13.8	
Endrin	1	6.58	6.53	6.63	13.4	11.3
	2	5.64	5.59	5.69	15.0	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164311BS

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

Lab Sample ID: PB164311BS **Date(s) Analyzed:** 10/23/2024 10/23/2024

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	6.80	6.75	6.85	14.7	15.1
	2	5.94	5.89	5.99	17.1	
4,4'-DDD	1	6.72	6.67	6.77	14.6	16.9
	2	5.79	5.74	5.84	17.3	
4,4'-DDT	1	7.03	6.98	7.08	13.8	14.1
	2	6.04	5.99	6.09	15.9	
Endrin aldehyde	1	6.93	6.88	6.98	15.6	12
	2	6.12	6.07	6.17	17.6	
Endosulfan sulfate	1	7.16	7.11	7.21	15.0	13.1
	2	6.34	6.29	6.39	17.1	
Methoxychlor	1	7.51	7.46	7.56	15.6	10.9
	2	6.62	6.57	6.67	17.4	
Endrin ketone	1	7.65	7.60	7.70	15.6	15.9
	2	6.85	6.80	6.90	18.3	
alpha-BHC	1	4.00	3.95	4.05	14.4	14.8
	2	3.28	3.23	3.33	16.7	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	14.6	14.6
	2	3.61	3.56	3.66	16.9	
Heptachlor	1	4.92	4.87	4.97	14.5	17
	2	3.95	3.90	4.00	17.2	
Aldrin	1	5.26	5.21	5.31	14.1	19.8
	2	4.23	4.18	4.28	17.2	
beta-BHC	1	4.53	4.48	4.58	15.9	7.3
	2	3.91	3.86	3.96	17.1	
delta-BHC	1	4.78	4.73	4.83	14.7	13.3
	2	4.14	4.09	4.19	16.8	
Heptachlor epoxide	1	5.69	5.64	5.74	14.5	21
	2	4.73	4.68	4.78	17.9	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164311BS

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

Lab Sample ID: PB164311BS **Date(s) Analyzed:** 10/23/2024 10/23/2024

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	6.08	6.03	6.13	14.5	22.1
	2	5.10	5.05	5.15	18.1	
gamma-Chlordane	1	5.95	5.90	6.00	14.4	17.7
	2	4.98	4.93	5.03	17.2	
alpha-Chlordane	1	6.03	5.98	6.08	14.3	20.7
	2	5.05	5.00	5.10	17.6	
4,4'-DDE	1	6.20	6.15	6.25	14.0	21.1
	2	5.24	5.19	5.29	17.3	
Dieldrin	1	6.35	6.30	6.40	14.3	19
	2	5.37	5.32	5.42	17.3	
Endrin	1	6.58	6.53	6.63	13.5	20
	2	5.64	5.59	5.69	16.5	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TS-1

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

Lab Sample ID: P4473-01 **Date(s) Analyzed:** 10/23/2024 10/23/2024

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'-DDE	1	6.20	6.15	6.25	0.67	19
	2	5.24	5.19	5.29	0.55	

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LAB CHRONICLE

OrderID:	P4473	**OrderDate:**	10/21/2024 3:15:00 PM
Client:	Yannuzzi Group, Inc.	**Project:**	86 Davidson Road, Piscataway, NJ
Contact:	Rafael Nunez	**Location:**	K61

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4473-01	**TS-1**	**SOIL**			**10/18/24**			**10/21/24**
			PCB	8082A		10/22/24	10/22/24	
			Pesticide-TCL	8081B		10/22/24	10/23/24	
			TPH GC	8015D		10/22/24	10/22/24	

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Hit Summary Sheet
SW-846

SDG No.: P4473 **Order ID:** P4473

Client: Yannuzzi Group, Inc. **Project ID:** 86 Davidson Road, Piscataway, NJ

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: **0.000**

SAMPLE DATA

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

Client:	Yannuzzi Group, Inc.	Date Collected:	10/18/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/21/24
Client Sample ID:	TS-1	SDG No.:	P4473
Lab Sample ID:	P4473-01	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	48.8 Decanted:
Sample Wt/Vol:	30.09 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
PP068143.D	1	10/22/24 10:10	10/22/24 19:28	PB164310

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	6.90	U	6.90	34.7	ug/kg
11104-28-2	Aroclor-1221	13.1	U	13.1	34.7	ug/kg
11141-16-5	Aroclor-1232	6.90	U	6.90	34.7	ug/kg
53469-21-9	Aroclor-1242	6.90	U	6.90	34.7	ug/kg
12672-29-6	Aroclor-1248	16.1	U	16.1	34.7	ug/kg
11097-69-1	Aroclor-1254	5.60	U	5.60	34.7	ug/kg
37324-23-5	Aroclor-1262	9.30	U	9.30	34.7	ug/kg
11100-14-4	Aroclor-1268	7.00	U	7.00	34.7	ug/kg
11096-82-5	Aroclor-1260	5.90	U	5.90	34.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	13.8		30 (32) - 150 (144)	69%	SPK: 20
2051-24-3	Decachlorobiphenyl	10.0		30 (32) - 150 (175)	50%	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

QC SUMMARY

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

Surrogate Summary

SDG No.: P4473

Client: Yannuzzi Group, Inc.

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PP067586.D	PIBLK-PP067586.D	Tetrachloro-m-xylene	1	20	21.1	105		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	23.6	118		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	22.1	110		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	23.5	117		70 (60)	130 (140)
I.BLK-PP068124.D	PIBLK-PP068124.D	Tetrachloro-m-xylene	1	20	21.1	106		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	18.1	91		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	20.3	102		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	18.8	94		70 (60)	130 (140)
PB164310BL	PB164310BL	Tetrachloro-m-xylene	1	20	20.1	101		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	17.2	86		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	19.0	95		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	18.6	93		30 (32)	150 (175)
PB164310BS	PB164310BS	Tetrachloro-m-xylene	1	20	20.0	100		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	17.5	88		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	18.7	94		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	18.5	93		30 (32)	150 (175)
I.BLK-PP068139.D	PIBLK-PP068139.D	Tetrachloro-m-xylene	1	20	20.0	100		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	20.4	102		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	19.2	96		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	19.5	98		70 (60)	130 (140)
P4472-05MS	BP-F-6MS	Tetrachloro-m-xylene	1	20	21.0	105		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	20.1	100		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	18.3	91		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	18.6	93		30 (32)	150 (175)
P4472-05MSD	BP-F-6MSD	Tetrachloro-m-xylene	1	20	21.3	106		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	20.1	101		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	18.2	91		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	18.8	94		30 (32)	150 (175)
P4473-01	TS-1	Tetrachloro-m-xylene	1	20	13.8	69		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	10.0	50		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	12.7	64		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	9.50	48		30 (32)	150 (175)
I.BLK-PP068149.D	PIBLK-PP068149.D	Tetrachloro-m-xylene	1	20	20.8	104		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	22.1	111		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	19.0	95		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	20.2	101		70 (60)	130 (140)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4473

Client: Yannuzzi Group, Inc.

Analytical Method: 8082A **DataFile :** PP068141.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:	**BP-F-6MS**											
P4472-05MS	AR1016	182.8	0	167	ug/kg	91				40 (55)	140 (146)	
	AR1260	182.8	0	149	ug/kg	82				40 (45)	140 (144)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4473

Client: Yannuzzi Group, Inc.

Analytical Method: 8082A **DataFile :** PP068142.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:	**BP-F-6MSD**											
P4472-05MSD	AR1016	182.7	0	169	ug/kg	93		2		40 (55)	140 (146)	30 (20)
	AR1260	182.7	0	147	ug/kg	80		2		40 (45)	140 (144)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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

SW-846

SDG No.: P4473

Client: Yannuzzi Group, Inc.

Analytical Method: 8082A **Datafile :** PP068126.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164310BS	AR1016	166.6	134	ug/kg	80				40 (71)	140 (120)	
	AR1260	166.6	132	ug/kg	79				40 (65)	140 (130)	

( ) = LABORATORY INHOUSE LIMIT

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164310BL

Lab Name: CHEMTECH Contract: YANN01

Lab Code: CHEM Case No.: P4473 SAS No.: P4473 SDG NO.: P4473

Lab Sample ID: PB164310BL Lab File ID: PP068125.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 10/22/2024

Date Analyzed (1): 10/22/2024 Date Analyzed (2): 10/22/2024

Time Analyzed (1): 13:55 Time Analyzed (2): 13:55

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
PB164310BS	PB164310BS	PP068126.D	10/22/2024	10/22/2024
BP-F-6MS	P4472-05MS	PP068141.D	10/22/2024	10/22/2024
BP-F-6MSD	P4472-05MSD	PP068142.D	10/22/2024	10/22/2024
TS-1	P4473-01	PP068143.D	10/22/2024	10/22/2024

COMMENTS:

CALIBRATION SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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RETENTION TIMES OF INITIAL CALIBRATION

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

Instrument ID: ECD_P **Calibration Date(s):** 10/08/2024 10/08/2024

Calibration Times: 16:30 23:46

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

LAB FILE ID: RT 1000 = PP067587.D RT 750 = PP067588.D

RT 500 = PP067589.D RT 250 = PP067590.D RT 050 = PP067591.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.92	5.92	5.92	5.92	5.92	5.92	5.82	6.02
Aroclor-1016-2	(2)	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Aroclor-1016-3	(3)	6.00	6.00	6.01	6.00	6.01	6.00	5.90	6.10
Aroclor-1016-4	(4)	6.10	6.10	6.10	6.10	6.10	6.10	6.00	6.20
Aroclor-1016-5	(5)	6.40	6.40	6.40	6.40	6.40	6.40	6.30	6.50
Aroclor-1260-1	(1)	7.52	7.52	7.52	7.52	7.52	7.52	7.42	7.62
Aroclor-1260-2	(2)	7.77	7.77	7.78	7.77	7.77	7.77	7.67	7.87
Aroclor-1260-3	(3)	8.13	8.14	8.14	8.14	8.14	8.14	8.04	8.24
Aroclor-1260-4	(4)	8.37	8.37	8.38	8.37	8.37	8.37	8.27	8.47
Aroclor-1260-5	(5)	8.71	8.71	8.71	8.71	8.71	8.71	8.61	8.81
Decachlorobiphenyl		10.67	10.67	10.67	10.67	10.67	10.67	10.57	10.77
Tetrachloro-m-xylene		4.75	4.75	4.76	4.75	4.76	4.75	4.65	4.85
Aroclor-1242-1	(1)	5.92	5.92	5.92	5.92	5.92	5.92	5.82	6.02
Aroclor-1242-2	(2)	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Aroclor-1242-3	(3)	6.01	6.01	6.00	6.01	6.01	6.01	5.91	6.11
Aroclor-1242-4	(4)	6.10	6.10	6.10	6.10	6.10	6.10	6.00	6.20
Aroclor-1242-5	(5)	6.84	6.84	6.84	6.84	6.84	6.84	6.74	6.94
Decachlorobiphenyl		10.67	10.67	10.67	10.67	10.67	10.67	10.57	10.77
Tetrachloro-m-xylene		4.76	4.76	4.75	4.76	4.75	4.75	4.65	4.85
Aroclor-1248-1	(1)	5.92	5.92	5.92	5.92	5.92	5.92	5.82	6.02
Aroclor-1248-2	(2)	6.19	6.19	6.19	6.19	6.19	6.19	6.09	6.29
Aroclor-1248-3	(3)	6.40	6.40	6.40	6.40	6.40	6.40	6.30	6.50
Aroclor-1248-4	(4)	6.80	6.80	6.80	6.80	6.80	6.80	6.70	6.90
Aroclor-1248-5	(5)	6.84	6.84	6.84	6.84	6.84	6.84	6.74	6.94
Decachlorobiphenyl		10.67	10.67	10.67	10.67	10.66	10.67	10.57	10.77
Tetrachloro-m-xylene		4.75	4.75	4.75	4.75	4.75	4.75	4.65	4.85
Aroclor-1254-1	(1)	6.77	6.77	6.77	6.77	6.77	6.77	6.67	6.87
Aroclor-1254-2	(2)	6.99	6.99	6.99	6.99	6.99	6.99	6.89	7.09
Aroclor-1254-3	(3)	7.36	7.36	7.35	7.36	7.36	7.36	7.26	7.46
Aroclor-1254-4	(4)	7.64	7.64	7.64	7.64	7.64	7.64	7.54	7.74
Aroclor-1254-5	(5)	8.06	8.06	8.06	8.06	8.06	8.06	7.96	8.16
Decachlorobiphenyl		10.67	10.67	10.67	10.67	10.66	10.67	10.57	10.77
Tetrachloro-m-xylene		4.76	4.75	4.75	4.75	4.75	4.75	4.65	4.85
Aroclor-1268-1	(1)	9.05	9.04	9.04	9.04	9.04	9.04	8.94	9.14
Aroclor-1268-2	(2)	9.15	9.14	9.14	9.14	9.14	9.14	9.04	9.24
Aroclor-1268-3	(3)	9.40	9.39	9.40	9.39	9.40	9.40	9.30	9.50
Aroclor-1268-4	(4)	9.84	9.84	9.84	9.84	9.84	9.84	9.74	9.94
Aroclor-1268-5	(5)	10.30	10.29	10.29	10.29	10.29	10.29	10.19	10.39

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.67	10.67	10.67	10.67	10.67	10.67	10.57	10.77
Tetrachloro-m-xylene	4.76	4.75	4.75	4.75	4.75	4.75	4.65	4.85

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

Instrument ID: ECD_P **Calibration Date(s):** 10/08/2024 10/08/2024

Calibration Times: 16:30 23:46

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

LAB FILE ID: RT 1000 = PP067587.D RT 750 = PP067588.D

RT 500 = PP067589.D RT 250 = PP067590.D RT 050 = PP067591.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1016-2	(2)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1016-3	(3)	5.36	5.36	5.36	5.36	5.36	5.36	5.26	5.46
Aroclor-1016-4	(4)	5.40	5.40	5.40	5.40	5.40	5.40	5.30	5.50
Aroclor-1016-5	(5)	5.62	5.62	5.62	5.62	5.62	5.62	5.52	5.72
Aroclor-1260-1	(1)	6.66	6.66	6.66	6.66	6.66	6.66	6.56	6.76
Aroclor-1260-2	(2)	6.85	6.85	6.85	6.85	6.85	6.85	6.75	6.95
Aroclor-1260-3	(3)	7.01	7.01	7.01	7.01	7.01	7.01	6.91	7.11
Aroclor-1260-4	(4)	7.48	7.48	7.48	7.48	7.48	7.48	7.38	7.58
Aroclor-1260-5	(5)	7.72	7.72	7.72	7.72	7.72	7.72	7.62	7.82
Decachlorobiphenyl		9.22	9.22	9.22	9.22	9.22	9.22	9.12	9.32
Tetrachloro-m-xylene		4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15
Aroclor-1242-1	(1)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1242-2	(2)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1242-3	(3)	5.36	5.36	5.36	5.36	5.36	5.36	5.26	5.46
Aroclor-1242-4	(4)	5.45	5.45	5.45	5.44	5.45	5.45	5.35	5.55
Aroclor-1242-5	(5)	5.97	5.98	5.98	5.97	5.98	5.98	5.88	6.08
Decachlorobiphenyl		9.22	9.22	9.22	9.22	9.22	9.22	9.12	9.32
Tetrachloro-m-xylene		4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15
Aroclor-1248-1	(1)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1248-2	(2)	5.40	5.40	5.40	5.40	5.40	5.40	5.30	5.50
Aroclor-1248-3	(3)	5.44	5.45	5.44	5.44	5.45	5.44	5.34	5.54
Aroclor-1248-4	(4)	5.62	5.62	5.62	5.62	5.62	5.62	5.52	5.72
Aroclor-1248-5	(5)	6.02	6.02	6.02	6.02	6.02	6.02	5.92	6.12
Decachlorobiphenyl		9.22	9.22	9.22	9.22	9.22	9.22	9.12	9.32
Tetrachloro-m-xylene		4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15
Aroclor-1254-1	(1)	5.98	5.97	5.98	5.98	5.98	5.98	5.88	6.08
Aroclor-1254-2	(2)	6.12	6.12	6.12	6.12	6.12	6.12	6.02	6.22
Aroclor-1254-3	(3)	6.53	6.53	6.53	6.53	6.53	6.53	6.43	6.63
Aroclor-1254-4	(4)	6.76	6.76	6.76	6.76	6.76	6.76	6.66	6.86
Aroclor-1254-5	(5)	7.18	7.18	7.18	7.18	7.18	7.18	7.08	7.28
Decachlorobiphenyl		9.22	9.22	9.22	9.22	9.22	9.22	9.12	9.32
Tetrachloro-m-xylene		4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15
Aroclor-1268-1	(1)	8.01	8.01	8.01	8.01	8.01	8.01	7.91	8.11
Aroclor-1268-2	(2)	8.07	8.07	8.07	8.07	8.07	8.07	7.97	8.17
Aroclor-1268-3	(3)	8.29	8.29	8.29	8.29	8.29	8.29	8.19	8.39
Aroclor-1268-4	(4)	8.60	8.60	8.60	8.60	8.60	8.60	8.50	8.70
Aroclor-1268-5	(5)	8.93	8.93	8.93	8.92	8.93	8.93	8.83	9.03

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	9.22	9.22	9.22	9.22	9.22	9.22	9.12	9.32
Tetrachloro-m-xylene	4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

Instrument ID: ECD_P **Calibration Date(s):** 10/08/2024 10/08/2024

Calibration Times: 16:30 23:46

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

LAB FILE ID: **CF 1000 =** PP067587.D **CF 750 =** PP067588.D

CF 500 = PP067589.D **CF 250 =** PP067590.D **CF 050 =** PP067591.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	31263736	32233361	34196172	36221284	31418860	33066683	6
Aroclor-1016-2	(2)	45702590	47619661	49829602	53216480	47485960	48770859	6
Aroclor-1016-3	(3)	29655293	30980703	32521866	34545868	29856000	31511946	6
Aroclor-1016-4	(4)	24305642	24965132	26130902	27480568	25835960	25743641	5
Aroclor-1016-5	(5)	25253642	26507995	28106138	29556500	25910240	27066903	6
Aroclor-1260-1	(1)	48881600	51062627	53497292	60189956	56487000	54023695	8
Aroclor-1260-2	(2)	57303356	59473712	62743556	68896016	67937280	63270784	8
Aroclor-1260-3	(3)	47767972	49860571	52672962	57075820	51866880	51848841	7
Aroclor-1260-4	(4)	55679811	58146343	61152700	66302976	59690240	60194414	7
Aroclor-1260-5	(5)	101142428	103711039	108382514	116162164	109162380	107712105	5
Decachlorobiphenyl		1047572970	1092521333	1163088620	1272493760	1180845600	1151304457	8
Tetrachloro-m-xylene		918389550	937648760	969374660	977965440	824831600	925642002	7
Aroclor-1242-1	(1)	26136486	27020177	28880182	30131840	27517000	27937137	6
Aroclor-1242-2	(2)	37560737	39520053	41823206	43424048	40845460	40634701	5
Aroclor-1242-3	(3)	24775066	25964975	27626992	28013716	28443000	26964750	6
Aroclor-1242-4	(4)	19919938	20877219	22020082	22198916	22236220	21450475	5
Aroclor-1242-5	(5)	22664411	23310707	24494326	25449828	24710200	24125894	5
Decachlorobiphenyl		1049846500	1096431853	1183590260	1273416280	1210794800	1162815939	8
Tetrachloro-m-xylene		918045770	945319107	991838280	988565840	844744200	937702639	6
Aroclor-1248-1	(1)	19592099	21187299	21900336	23649416	20785280	21422886	7
Aroclor-1248-2	(2)	29912773	32262593	34275072	36926580	34706360	33616676	8
Aroclor-1248-3	(3)	33038688	35344895	37623064	40558304	36562360	36625462	8
Aroclor-1248-4	(4)	36925252	39416441	41800322	44728924	39382640	40450716	7
Aroclor-1248-5	(5)	36740691	38953265	40984016	43781648	37845340	39660992	7
Decachlorobiphenyl		1055450820	1109667187	1169649200	1282118000	1302489400	1183874921	9
Tetrachloro-m-xylene		902146960	926581653	953867240	992359080	895156800	934022347	4
Aroclor-1254-1	(1)	40350769	42082559	45284156	48868552	47326420	44782491	8
Aroclor-1254-2	(2)	59814731	62129524	65787698	71625140	71131660	66097751	8
Aroclor-1254-3	(3)	64043672	65831181	69388346	74782692	73217700	69452718	7
Aroclor-1254-4	(4)	45989306	47460167	50157578	54420004	51495700	49904551	7
Aroclor-1254-5	(5)	54192853	57072867	59852552	64108404	61236860	59292707	6
Decachlorobiphenyl		1068499200	1106116080	1182150460	1298012320	1262855400	1183526692	8
Tetrachloro-m-xylene		931363580	935898013	956149560	989159640	878805200	938275199	4
Aroclor-1268-1	(1)	139515419	144470283	150997662	162718796	165540620	152648556	7

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	125679796	130088461	136577130	145743784	144888120	136595458	6
Aroclor-1268-3	(3)	110668977	116741077	119635012	130534268	127010440	120917955	7
Aroclor-1268-4	(4)	48063749	49890017	52720184	55641072	47784700	50819944	7
Aroclor-1268-5	(5)	348373365	356693093	372169718	389623012	400486540	373469146	6
Decachlorobiphenyl		1758376420	1827520213	1952930880	2093924120	2163079000	1959166127	9
Tetrachloro-m-xylene		908125750	922962547	955684560	986676760	888810200	932451963	4

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

Instrument ID: ECD_P **Calibration Date(s):** 10/08/2024 10/08/2024

Calibration Times: 16:30 23:46

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

LAB FILE ID: **CF 1000 =** PP067587.D **CF 750 =** PP067588.D

CF 500 = PP067589.D **CF 250 =** PP067590.D **CF 050 =** PP067591.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	32214100	33511487	34894776	37855020	36460880	34987253	6
Aroclor-1016-2	(2)	45072170	46943971	48711842	52177748	47937020	48168550	5
Aroclor-1016-3	(3)	25675074	27277663	27567444	28514452	25652840	26937495	5
Aroclor-1016-4	(4)	22207756	23688287	24482426	25758704	24288360	24085107	5
Aroclor-1016-5	(5)	28303958	30184395	30998408	32062244	30500300	30409861	5
Aroclor-1260-1	(1)	51490839	53867885	56846930	62693500	59910740	56961979	8
Aroclor-1260-2	(2)	60685581	63183867	66653346	73175968	69823160	66704384	8
Aroclor-1260-3	(3)	58195863	60818087	64471984	69084640	65935040	63701123	7
Aroclor-1260-4	(4)	51141777	52463477	55669740	60213672	56975040	55292741	7
Aroclor-1260-5	(5)	115751172	117431688	122205526	128041940	128062520	122298569	5
Decachlorobiphenyl		1016699470	1064912133	1114817860	1215156720	1195705800	1121458397	8
Tetrachloro-m-xylene		976302160	1002778080	1038188640	1086259240	948485600	1010402744	5
Aroclor-1242-1	(1)	26643227	27902807	30082486	31864192	28889440	29076430	7
Aroclor-1242-2	(2)	37173910	38324184	40855302	43058560	41326680	40147727	6
Aroclor-1242-3	(3)	21209836	21846417	23389330	23608008	22421520	22495022	5
Aroclor-1242-4	(4)	21894421	22781385	24633780	25302636	24076280	23737700	6
Aroclor-1242-5	(5)	25904963	27452171	28860038	30792124	30238540	28649567	7
Decachlorobiphenyl		1030873660	1074484253	1144199140	1227463640	1208383800	1137080899	7
Tetrachloro-m-xylene		979317100	1008877893	1048426020	1079705600	995407400	1022346803	4
Aroclor-1248-1	(1)	20323070	21892911	22863994	24075660	24163260	22663779	7
Aroclor-1248-2	(2)	29599820	31598663	33173378	36121664	34985540	33095813	8
Aroclor-1248-3	(3)	31098926	33116664	34686272	37576628	35894680	34474634	7
Aroclor-1248-4	(4)	36529837	38774123	40329020	44225180	44921420	40955916	9
Aroclor-1248-5	(5)	34201195	35911461	37616042	40473884	39013140	37443144	7
Decachlorobiphenyl		1032353410	1073137907	1131465640	1215505400	1241215600	1138735591	8
Tetrachloro-m-xylene		952656120	994994613	1000591240	1068188360	991037600	1001493587	4
Aroclor-1254-1	(1)	53478224	54895953	58959138	64085456	64000720	59083898	8
Aroclor-1254-2	(2)	47135286	48672312	52146652	56922440	57444240	52464186	9
Aroclor-1254-3	(3)	76675976	78569371	83205416	89086976	88502520	83208052	7
Aroclor-1254-4	(4)	44235570	45939643	48363680	51938700	50893660	48274251	7
Aroclor-1254-5	(5)	68142947	70671431	73760414	78813244	76368180	73551243	6
Decachlorobiphenyl		1041164600	1082182560	1142537200	1244245720	1270180600	1156062136	9
Tetrachloro-m-xylene		969890570	991360533	1038975520	1064707400	994465600	1011879925	4
Aroclor-1268-1	(1)	146986557	151844596	158019168	168079912	170778780	159141803	6

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	133073925	137248829	142523422	151222024	151862520	143186144	6
Aroclor-1268-3	(3)	117364027	121504320	126517254	135757020	136405580	127509640	7
Aroclor-1268-4	(4)	51956547	53952379	54797154	61002600	60671520	56476040	7
Aroclor-1268-5	(5)	359344903	364434196	374618632	391618688	400161860	378035656	5
Decachlorobiphenyl		1755186720	1802467867	1889666160	2047579480	2153015200	1929583085	9
Tetrachloro-m-xylene		970169850	991215560	1007059780	1064676080	979052800	1002434814	4

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

Instrument ID: ECD_P **Date(s) Analyzed:** 10/08/2024 10/08/2024

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	4.96	4.86	5.06	12809900
		2	5.04	4.94	5.14	9460580
		3	5.12	5.02	5.22	28907800
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	5.12	5.02	5.22	22859800
		2	5.65	5.55	5.75	11783000
		3	5.94	5.84	6.04	22275000
		4	6.10	6.00	6.20	11287400
		5	6.19	6.09	6.29	9120180
Aroclor-1262	500	1	8.37	8.27	8.47	71771400
		2	8.71	8.61	8.81	121580000
		3	9.05	8.95	9.15	88514200
		4	9.14	9.04	9.24	69944800
		5	9.84	9.74	9.94	46791200

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

Instrument ID: ECD_P **Date(s) Analyzed:** 10/08/2024 10/08/2024

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	4.27	4.17	4.37	13170200
		2	4.36	4.26	4.46	9961240
		3	4.43	4.33	4.53	31131200
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.43	4.33	4.53	24333000
		2	5.18	5.08	5.28	22365000
		3	5.36	5.26	5.46	11943800
		4	5.45	5.35	5.55	11531400
		5	5.62	5.52	5.72	13450300
Aroclor-1262	500	1	7.22	7.12	7.32	78673400
		2	7.48	7.38	7.58	70962000
		3	8.01	7.91	8.11	57099400
		4	8.07	7.97	8.17	100436000
		5	8.60	8.50	8.70	50017800

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CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

Continuing Calib Date: 10/22/2024 **Initial Calibration Date(s):** 10/08/2024 10/08/2024

Continuing Calib Time: 11:13 **Initial Calibration Time(s):** 16:30 23:46

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)	5.93	5.92	5.82	6.02	-0.01
Aroclor-1016-2	(2)	5.95	5.94	5.84	6.04	-0.01
Aroclor-1016-3	(3)	6.01	6.01	5.91	6.11	0.00
Aroclor-1016-4	(4)	6.11	6.10	6.00	6.20	-0.01
Aroclor-1016-5	(5)	6.41	6.40	6.30	6.50	-0.01
Aroclor-1260-1	(1)	7.53	7.52	7.42	7.62	-0.01
Aroclor-1260-2	(2)	7.78	7.78	7.68	7.88	0.00
Aroclor-1260-3	(3)	8.14	8.14	8.04	8.24	0.00
Aroclor-1260-4	(4)	8.38	8.38	8.28	8.48	0.00
Aroclor-1260-5	(5)	8.72	8.71	8.61	8.81	-0.01
Tetrachloro-m-xylene		4.76	4.76	4.66	4.86	0.00
Decachlorobiphenyl		10.68	10.67	10.57	10.77	-0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

Continuing Calib Date: 10/22/2024 **Initial Calibration Date(s):** 10/08/2024 10/08/2024

Continuing Calib Time: 11:13 **Initial Calibration Time(s):** 16:30 23:46

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)	5.16	5.16	5.06	5.26	0.00
Aroclor-1016-2	(2)	5.18	5.18	5.08	5.28	0.00
Aroclor-1016-3	(3)	5.36	5.36	5.26	5.46	0.00
Aroclor-1016-4	(4)	5.40	5.40	5.30	5.50	0.00
Aroclor-1016-5	(5)	5.62	5.62	5.52	5.72	0.00
Aroclor-1260-1	(1)	6.66	6.66	6.56	6.76	0.00
Aroclor-1260-2	(2)	6.85	6.85	6.75	6.95	0.00
Aroclor-1260-3	(3)	7.01	7.01	6.91	7.11	0.00
Aroclor-1260-4	(4)	7.48	7.48	7.38	7.58	0.00
Aroclor-1260-5	(5)	7.72	7.72	7.62	7.82	0.00
Tetrachloro-m-xylene		4.05	4.05	3.95	4.15	0.00
Decachlorobiphenyl		9.21	9.22	9.12	9.32	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/08/2024 10/08/2024

Client Sample No.: CCAL01 **Date Analyzed:** 10/22/2024

Lab Sample No.: AR1660CCC500 **Data File :** PP068120.D **Time Analyzed:** 11:13

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.926	5.819	6.019	454.860	500.000	-9.0
Aroclor-1016-2	5.948	5.842	6.042	450.150	500.000	-10.0
Aroclor-1016-3	6.012	5.905	6.105	424.040	500.000	-15.2
Aroclor-1016-4	6.110	6.003	6.203	433.190	500.000	-13.4
Aroclor-1016-5	6.405	6.298	6.498	423.950	500.000	-15.2
Aroclor-1260-1	7.527	7.422	7.622	431.540	500.000	-13.7
Aroclor-1260-2	7.780	7.675	7.875	408.050	500.000	-18.4
Aroclor-1260-3	8.143	8.037	8.237	405.150	500.000	-19.0
Aroclor-1260-4	8.378	8.275	8.475	487.540	500.000	-2.5
Aroclor-1260-5	8.718	8.612	8.812	445.850	500.000	-10.8
Decachlorobiphenyl	10.678	10.569	10.769	43.800	50.000	-12.4
Tetrachloro-m-xylene	4.762	4.655	4.855	53.280	50.000	6.6

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CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/08/2024 10/08/2024

Client Sample No.: CCAL01 **Date Analyzed:** 10/22/2024

Lab Sample No.: AR1660CCC500 **Data File :** PP068120.D **Time Analyzed:** 11:13

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.159	5.061	5.261	449.800	500.000	-10.0
Aroclor-1016-2	5.179	5.081	5.281	481.970	500.000	-3.6
Aroclor-1016-3	5.359	5.262	5.462	482.710	500.000	-3.5
Aroclor-1016-4	5.399	5.301	5.501	444.810	500.000	-11.0
Aroclor-1016-5	5.618	5.520	5.720	460.900	500.000	-7.8
Aroclor-1260-1	6.662	6.564	6.764	464.140	500.000	-7.2
Aroclor-1260-2	6.848	6.750	6.950	451.900	500.000	-9.6
Aroclor-1260-3	7.006	6.908	7.108	465.400	500.000	-6.9
Aroclor-1260-4	7.480	7.383	7.583	460.440	500.000	-7.9
Aroclor-1260-5	7.719	7.622	7.822	479.760	500.000	-4.0
Decachlorobiphenyl	9.212	9.119	9.319	45.900	50.000	-8.2
Tetrachloro-m-xylene	4.051	3.952	4.152	51.090	50.000	2.2

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CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

Continuing Calib Date: 10/22/2024 **Initial Calibration Date(s):** 10/08/2024 10/08/2024

Continuing Calib Time: 17:19 **Initial Calibration Time(s):** 16:30 23:46

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)	5.92	5.92	5.82	6.02	0.00
Aroclor-1016-2	(2)	5.94	5.94	5.84	6.04	0.00
Aroclor-1016-3	(3)	6.01	6.01	5.91	6.11	0.00
Aroclor-1016-4	(4)	6.11	6.10	6.00	6.20	-0.01
Aroclor-1016-5	(5)	6.40	6.40	6.30	6.50	0.00
Aroclor-1260-1	(1)	7.52	7.52	7.42	7.62	0.00
Aroclor-1260-2	(2)	7.78	7.78	7.68	7.88	0.00
Aroclor-1260-3	(3)	8.14	8.14	8.04	8.24	0.00
Aroclor-1260-4	(4)	8.37	8.38	8.28	8.48	0.01
Aroclor-1260-5	(5)	8.71	8.71	8.61	8.81	0.00
Tetrachloro-m-xylene		4.76	4.76	4.66	4.86	0.00
Decachlorobiphenyl		10.67	10.67	10.57	10.77	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

Continuing Calib Date: 10/22/2024 **Initial Calibration Date(s):** 10/08/2024 10/08/2024

Continuing Calib Time: 17:19 **Initial Calibration Time(s):** 16:30 23:46

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)	5.16	5.16	5.06	5.26	0.00
Aroclor-1016-2	(2)	5.18	5.18	5.08	5.28	0.00
Aroclor-1016-3	(3)	5.36	5.36	5.26	5.46	0.00
Aroclor-1016-4	(4)	5.40	5.40	5.30	5.50	0.00
Aroclor-1016-5	(5)	5.62	5.62	5.52	5.72	0.00
Aroclor-1260-1	(1)	6.66	6.66	6.56	6.76	0.00
Aroclor-1260-2	(2)	6.85	6.85	6.75	6.95	0.00
Aroclor-1260-3	(3)	7.00	7.01	6.91	7.11	0.01
Aroclor-1260-4	(4)	7.48	7.48	7.38	7.58	0.00
Aroclor-1260-5	(5)	7.72	7.72	7.62	7.82	0.00
Tetrachloro-m-xylene		4.05	4.05	3.95	4.15	0.00
Decachlorobiphenyl		9.21	9.22	9.12	9.32	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/08/2024 10/08/2024

Client Sample No.: CCAL02 **Date Analyzed:** 10/22/2024

Lab Sample No.: AR1660CCC500 **Data File :** PP068135.D **Time Analyzed:** 17:19

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.921	5.819	6.019	476.530	500.000	-4.7
Aroclor-1016-2	5.943	5.842	6.042	476.580	500.000	-4.7
Aroclor-1016-3	6.007	5.905	6.105	445.380	500.000	-10.9
Aroclor-1016-4	6.105	6.003	6.203	435.360	500.000	-12.9
Aroclor-1016-5	6.399	6.298	6.498	426.520	500.000	-14.7
Aroclor-1260-1	7.522	7.422	7.622	469.860	500.000	-6.0
Aroclor-1260-2	7.775	7.675	7.875	457.190	500.000	-8.6
Aroclor-1260-3	8.136	8.037	8.237	431.890	500.000	-13.6
Aroclor-1260-4	8.374	8.275	8.475	443.470	500.000	-11.3
Aroclor-1260-5	8.711	8.612	8.812	453.220	500.000	-9.4
Decachlorobiphenyl	10.666	10.569	10.769	46.360	50.000	-7.3
Tetrachloro-m-xylene	4.757	4.655	4.855	52.520	50.000	5.0

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

CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/08/2024 10/08/2024

Client Sample No.: CCAL02 **Date Analyzed:** 10/22/2024

Lab Sample No.: AR1660CCC500 **Data File :** PP068135.D **Time Analyzed:** 17:19

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.157	5.061	5.261	469.700	500.000	-6.1
Aroclor-1016-2	5.177	5.081	5.281	484.650	500.000	-3.1
Aroclor-1016-3	5.358	5.262	5.462	473.010	500.000	-5.4
Aroclor-1016-4	5.397	5.301	5.501	446.500	500.000	-10.7
Aroclor-1016-5	5.616	5.520	5.720	503.430	500.000	0.7
Aroclor-1260-1	6.659	6.564	6.764	461.890	500.000	-7.6
Aroclor-1260-2	6.846	6.750	6.950	453.780	500.000	-9.2
Aroclor-1260-3	7.003	6.908	7.108	460.980	500.000	-7.8
Aroclor-1260-4	7.477	7.383	7.583	461.370	500.000	-7.7
Aroclor-1260-5	7.715	7.622	7.822	476.330	500.000	-4.7
Decachlorobiphenyl	9.208	9.119	9.319	46.250	50.000	-7.5
Tetrachloro-m-xylene	4.050	3.952	4.152	49.980	50.000	0.0

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

Continuing Calib Date: 10/22/2024 **Initial Calibration Date(s):** 10/08/2024 10/08/2024

Continuing Calib Time: 20:43 **Initial Calibration Time(s):** 16:30 23:46

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)	5.92	5.92	5.82	6.02	0.00
Aroclor-1016-2	(2)	5.94	5.94	5.84	6.04	0.00
Aroclor-1016-3	(3)	6.01	6.01	5.91	6.11	0.00
Aroclor-1016-4	(4)	6.11	6.10	6.00	6.20	-0.01
Aroclor-1016-5	(5)	6.40	6.40	6.30	6.50	0.00
Aroclor-1260-1	(1)	7.52	7.52	7.42	7.62	0.00
Aroclor-1260-2	(2)	7.78	7.78	7.68	7.88	0.00
Aroclor-1260-3	(3)	8.14	8.14	8.04	8.24	0.00
Aroclor-1260-4	(4)	8.37	8.38	8.28	8.48	0.01
Aroclor-1260-5	(5)	8.71	8.71	8.61	8.81	0.00
Tetrachloro-m-xylene		4.76	4.76	4.66	4.86	0.00
Decachlorobiphenyl		10.67	10.67	10.57	10.77	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

Continuing Calib Date: 10/22/2024 **Initial Calibration Date(s):** 10/08/2024 10/08/2024

Continuing Calib Time: 20:43 **Initial Calibration Time(s):** 16:30 23:46

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)	5.16	5.16	5.06	5.26	0.00
Aroclor-1016-2	(2)	5.18	5.18	5.08	5.28	0.00
Aroclor-1016-3	(3)	5.36	5.36	5.26	5.46	0.00
Aroclor-1016-4	(4)	5.40	5.40	5.30	5.50	0.00
Aroclor-1016-5	(5)	5.62	5.62	5.52	5.72	0.00
Aroclor-1260-1	(1)	6.66	6.66	6.56	6.76	0.00
Aroclor-1260-2	(2)	6.85	6.85	6.75	6.95	0.01
Aroclor-1260-3	(3)	7.00	7.01	6.91	7.11	0.01
Aroclor-1260-4	(4)	7.48	7.48	7.38	7.58	0.00
Aroclor-1260-5	(5)	7.72	7.72	7.62	7.82	0.00
Tetrachloro-m-xylene		4.05	4.05	3.95	4.15	0.00
Decachlorobiphenyl		9.21	9.22	9.12	9.32	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/08/2024 10/08/2024

Client Sample No.: CCAL03 **Date Analyzed:** 10/22/2024

Lab Sample No.: AR1660CCC500 **Data File :** PP068145.D **Time Analyzed:** 20:43

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.921	5.819	6.019	521.080	500.000	4.2
Aroclor-1016-2	5.943	5.842	6.042	525.740	500.000	5.1
Aroclor-1016-3	6.007	5.905	6.105	525.970	500.000	5.2
Aroclor-1016-4	6.105	6.003	6.203	516.400	500.000	3.3
Aroclor-1016-5	6.399	6.298	6.498	489.130	500.000	-2.2
Aroclor-1260-1	7.522	7.422	7.622	483.700	500.000	-3.3
Aroclor-1260-2	7.775	7.675	7.875	478.850	500.000	-4.2
Aroclor-1260-3	8.137	8.037	8.237	484.590	500.000	-3.1
Aroclor-1260-4	8.374	8.275	8.475	477.400	500.000	-4.5
Aroclor-1260-5	8.711	8.612	8.812	478.470	500.000	-4.3
Decachlorobiphenyl	10.665	10.569	10.769	50.750	50.000	1.5
Tetrachloro-m-xylene	4.757	4.655	4.855	53.520	50.000	7.0

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CALIBRATION VERIFICATION SUMMARY

Contract: YANN01

Lab Code: CHEM **Case No.:** P4473 **SAS No.:** P4473 **SDG NO.:** P4473

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/08/2024 10/08/2024

Client Sample No.: CCAL03 **Date Analyzed:** 10/22/2024

Lab Sample No.: AR1660CCC500 **Data File :** PP068145.D **Time Analyzed:** 20:43

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.157	5.061	5.261	472.880	500.000	-5.4
Aroclor-1016-2	5.177	5.081	5.281	479.700	500.000	-4.1
Aroclor-1016-3	5.358	5.262	5.462	484.480	500.000	-3.1
Aroclor-1016-4	5.397	5.301	5.501	478.080	500.000	-4.4
Aroclor-1016-5	5.616	5.520	5.720	525.350	500.000	5.1
Aroclor-1260-1	6.659	6.564	6.764	470.850	500.000	-5.8
Aroclor-1260-2	6.845	6.750	6.950	468.080	500.000	-6.4
Aroclor-1260-3	7.003	6.908	7.108	466.000	500.000	-6.8
Aroclor-1260-4	7.477	7.383	7.583	462.290	500.000	-7.5
Aroclor-1260-5	7.716	7.622	7.822	465.380	500.000	-6.9
Decachlorobiphenyl	9.207	9.119	9.319	47.030	50.000	-5.9
Tetrachloro-m-xylene	4.050	3.952	4.152	49.440	50.000	-1.1

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Fax : 908 789 8922

Analytical Sequence

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Project: 86 Davidson Road, Piscataway, NJ **Instrument ID:** ECD_P

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/08/2024 10/08/2024

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	10/08/2024	16:14	PP067586.D	10.67	4.75
AR1660ICC1000	AR1660ICC1000	10/08/2024	16:30	PP067587.D	10.67	4.75
AR1660ICC750	AR1660ICC750	10/08/2024	16:46	PP067588.D	10.67	4.75
AR1660ICC500	AR1660ICC500	10/08/2024	17:02	PP067589.D	10.67	4.76
AR1660ICC250	AR1660ICC250	10/08/2024	17:19	PP067590.D	10.67	4.75
AR1660ICC050	AR1660ICC050	10/08/2024	17:35	PP067591.D	10.67	4.76
AR1221ICC500	AR1221ICC500	10/08/2024	17:51	PP067592.D	10.67	4.75
AR1232ICC500	AR1232ICC500	10/08/2024	18:07	PP067593.D	10.67	4.75
AR1242ICC1000	AR1242ICC1000	10/08/2024	18:23	PP067594.D	10.67	4.76
AR1242ICC750	AR1242ICC750	10/08/2024	18:39	PP067595.D	10.67	4.76
AR1242ICC500	AR1242ICC500	10/08/2024	18:55	PP067596.D	10.67	4.75
AR1242ICC250	AR1242ICC250	10/08/2024	19:12	PP067597.D	10.67	4.76
AR1242ICC050	AR1242ICC050	10/08/2024	19:28	PP067598.D	10.67	4.75
AR1248ICC1000	AR1248ICC1000	10/08/2024	19:44	PP067599.D	10.67	4.75
AR1248ICC750	AR1248ICC750	10/08/2024	20:00	PP067600.D	10.67	4.75
AR1248ICC500	AR1248ICC500	10/08/2024	20:16	PP067601.D	10.67	4.75
AR1248ICC250	AR1248ICC250	10/08/2024	20:32	PP067602.D	10.67	4.75
AR1248ICC050	AR1248ICC050	10/08/2024	20:49	PP067603.D	10.66	4.75
AR1254ICC1000	AR1254ICC1000	10/08/2024	21:05	PP067604.D	10.67	4.76
AR1254ICC750	AR1254ICC750	10/08/2024	21:21	PP067605.D	10.67	4.75
AR1254ICC500	AR1254ICC500	10/08/2024	21:37	PP067606.D	10.67	4.75
AR1254ICC250	AR1254ICC250	10/08/2024	21:53	PP067607.D	10.67	4.75
AR1254ICC050	AR1254ICC050	10/08/2024	22:09	PP067608.D	10.66	4.75
AR1262ICC500	AR1262ICC500	10/08/2024	22:25	PP067609.D	10.66	4.75
AR1268ICC1000	AR1268ICC1000	10/08/2024	22:42	PP067610.D	10.67	4.76
AR1268ICC750	AR1268ICC750	10/08/2024	22:58	PP067611.D	10.67	4.75
AR1268ICC500	AR1268ICC500	10/08/2024	23:14	PP067612.D	10.67	4.75
AR1268ICC250	AR1268ICC250	10/08/2024	23:30	PP067613.D	10.67	4.75
AR1268ICC050	AR1268ICC050	10/08/2024	23:46	PP067614.D	10.67	4.75
AR1660CCC500	AR1660CCC500	10/22/2024	11:13	PP068120.D	10.68	4.76
I.BLK	I.BLK	10/22/2024	12:18	PP068124.D	10.67	4.76
PB164310BL	PB164310BL	10/22/2024	13:55	PP068125.D	10.67	4.76
PB164310BS	PB164310BS	10/22/2024	14:11	PP068126.D	10.66	4.75
AR1660CCC500	AR1660CCC500	10/22/2024	17:19	PP068135.D	10.67	4.76
I.BLK	I.BLK	10/22/2024	18:23	PP068139.D	10.67	4.76
BP-F-6MS	P4472-05MS	10/22/2024	18:55	PP068141.D	10.67	4.76
BP-F-6MSD	P4472-05MSD	10/22/2024	19:12	PP068142.D	10.67	4.76
TS-1	P4473-01	10/22/2024	19:28	PP068143.D	10.67	4.76
AR1660CCC500	AR1660CCC500	10/22/2024	20:43	PP068145.D	10.67	4.76
I.BLK	I.BLK	10/22/2024	21:47	PP068149.D	10.67	4.76

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

Analytical Sequence

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Project: 86 Davidson Road, Piscataway, NJ **Instrument ID:** ECD_P

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/08/2024 10/08/2024

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	10/08/2024	16:14	PP067586.D	9.22	4.05
AR1660ICC1000	AR1660ICC1000	10/08/2024	16:30	PP067587.D	9.22	4.05
AR1660ICC750	AR1660ICC750	10/08/2024	16:46	PP067588.D	9.22	4.05
AR1660ICC500	AR1660ICC500	10/08/2024	17:02	PP067589.D	9.22	4.05
AR1660ICC250	AR1660ICC250	10/08/2024	17:19	PP067590.D	9.22	4.05
AR1660ICC050	AR1660ICC050	10/08/2024	17:35	PP067591.D	9.22	4.05
AR1221ICC500	AR1221ICC500	10/08/2024	17:51	PP067592.D	9.22	4.05
AR1232ICC500	AR1232ICC500	10/08/2024	18:07	PP067593.D	9.22	4.05
AR1242ICC1000	AR1242ICC1000	10/08/2024	18:23	PP067594.D	9.22	4.05
AR1242ICC750	AR1242ICC750	10/08/2024	18:39	PP067595.D	9.22	4.05
AR1242ICC500	AR1242ICC500	10/08/2024	18:55	PP067596.D	9.22	4.05
AR1242ICC250	AR1242ICC250	10/08/2024	19:12	PP067597.D	9.22	4.05
AR1242ICC050	AR1242ICC050	10/08/2024	19:28	PP067598.D	9.22	4.05
AR1248ICC1000	AR1248ICC1000	10/08/2024	19:44	PP067599.D	9.22	4.05
AR1248ICC750	AR1248ICC750	10/08/2024	20:00	PP067600.D	9.22	4.05
AR1248ICC500	AR1248ICC500	10/08/2024	20:16	PP067601.D	9.22	4.05
AR1248ICC250	AR1248ICC250	10/08/2024	20:32	PP067602.D	9.22	4.05
AR1248ICC050	AR1248ICC050	10/08/2024	20:49	PP067603.D	9.22	4.05
AR1254ICC1000	AR1254ICC1000	10/08/2024	21:05	PP067604.D	9.22	4.05
AR1254ICC750	AR1254ICC750	10/08/2024	21:21	PP067605.D	9.22	4.05
AR1254ICC500	AR1254ICC500	10/08/2024	21:37	PP067606.D	9.22	4.05
AR1254ICC250	AR1254ICC250	10/08/2024	21:53	PP067607.D	9.22	4.05
AR1254ICC050	AR1254ICC050	10/08/2024	22:09	PP067608.D	9.22	4.05
AR1262ICC500	AR1262ICC500	10/08/2024	22:25	PP067609.D	9.22	4.05
AR1268ICC1000	AR1268ICC1000	10/08/2024	22:42	PP067610.D	9.22	4.05
AR1268ICC750	AR1268ICC750	10/08/2024	22:58	PP067611.D	9.22	4.05
AR1268ICC500	AR1268ICC500	10/08/2024	23:14	PP067612.D	9.22	4.05
AR1268ICC250	AR1268ICC250	10/08/2024	23:30	PP067613.D	9.22	4.05
AR1268ICC050	AR1268ICC050	10/08/2024	23:46	PP067614.D	9.22	4.05
AR1660CCC500	AR1660CCC500	10/22/2024	11:13	PP068120.D	9.21	4.05
I.BLK	I.BLK	10/22/2024	12:18	PP068124.D	9.21	4.05
PB164310BL	PB164310BL	10/22/2024	13:55	PP068125.D	9.21	4.05
PB164310BS	PB164310BS	10/22/2024	14:11	PP068126.D	9.21	4.05
AR1660CCC500	AR1660CCC500	10/22/2024	17:19	PP068135.D	9.21	4.05
I.BLK	I.BLK	10/22/2024	18:23	PP068139.D	9.21	4.05
BP-F-6MS	P4472-05MS	10/22/2024	18:55	PP068141.D	9.21	4.05
BP-F-6MSD	P4472-05MSD	10/22/2024	19:12	PP068142.D	9.21	4.05
TS-1	P4473-01	10/22/2024	19:28	PP068143.D	9.21	4.05
AR1660CCC500	AR1660CCC500	10/22/2024	20:43	PP068145.D	9.21	4.05
I.BLK	I.BLK	10/22/2024	21:47	PP068149.D	9.21	4.05

QC SAMPLE DATA

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

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	
Client Sample ID:	PB164310BL	SDG No.:	P4473
Lab Sample ID:	PB164310BL	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
PP068125.D	1	10/22/24 10:10	10/22/24 13:55	PB164310

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.40	U	3.40	17.0	ug/kg
11104-28-2	Aroclor-1221	6.40	U	6.40	17.0	ug/kg
11141-16-5	Aroclor-1232	3.40	U	3.40	17.0	ug/kg
53469-21-9	Aroclor-1242	3.40	U	3.40	17.0	ug/kg
12672-29-6	Aroclor-1248	7.90	U	7.90	17.0	ug/kg
11097-69-1	Aroclor-1254	2.70	U	2.70	17.0	ug/kg
37324-23-5	Aroclor-1262	4.60	U	4.60	17.0	ug/kg
11100-14-4	Aroclor-1268	3.40	U	3.40	17.0	ug/kg
11096-82-5	Aroclor-1260	2.90	U	2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.1		30 (32) - 150 (144)	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.6		30 (32) - 150 (175)	93%	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

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

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/08/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/08/24
Client Sample ID:	PIBLK-PP067586.D	SDG No.:	P4473
Lab Sample ID:	I.BLK-PP067586.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
PP067586.D	1		10/08/24	pp100824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.1		70 (60) - 130 (140)	105%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.5		70 (60) - 130 (140)	117%	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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Fax : 908 789 8922

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/22/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/22/24
Client Sample ID:	PIBLK-PP068124.D	SDG No.:	P4473
Lab Sample ID:	I.BLK-PP068124.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
PP068124.D	1		10/22/24	pp102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.3		70 (60) - 130 (140)	102%	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
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/22/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/22/24
Client Sample ID:	PIBLK-PP068139.D	SDG No.:	P4473
Lab Sample ID:	I.BLK-PP068139.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
PP068139.D	1		10/22/24	pp102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.2		70 (60) - 130 (140)	96%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.5		70 (60) - 130 (140)	98%	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:	Yannuzzi Group, Inc.	Date Collected:	10/22/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/22/24
Client Sample ID:	PIBLK-PP068149.D	SDG No.:	P4473
Lab Sample ID:	I.BLK-PP068149.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
PP068149.D	1		10/22/24	pp102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.0		70 (60) - 130 (140)	95%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.2		70 (60) - 130 (140)	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:	Yannuzzi Group, Inc.	Date Collected:	
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	
Client Sample ID:	PB164310BS	SDG No.:	P4473
Lab Sample ID:	PB164310BS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 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
PP068126.D	1	10/22/24 10:10	10/22/24 14:11	PB164310

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	134		3.40	17.0	ug/kg
11104-28-2	Aroclor-1221	6.40	U	6.40	17.0	ug/kg
11141-16-5	Aroclor-1232	3.40	U	3.40	17.0	ug/kg
53469-21-9	Aroclor-1242	3.40	U	3.40	17.0	ug/kg
12672-29-6	Aroclor-1248	7.90	U	7.90	17.0	ug/kg
11097-69-1	Aroclor-1254	2.70	U	2.70	17.0	ug/kg
37324-23-5	Aroclor-1262	4.60	U	4.60	17.0	ug/kg
11100-14-4	Aroclor-1268	3.40	U	3.40	17.0	ug/kg
11096-82-5	Aroclor-1260	132		2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.0		30 (32) - 150 (144)	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.5		30 (32) - 150 (175)	93%	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:	Yannuzzi Group, Inc.	Date Collected:	10/21/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/21/24
Client Sample ID:	BP-F-6MS	SDG No.:	P4473
Lab Sample ID:	P4472-05MS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	91.1 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
PP068141.D	1	10/22/24 10:10	10/22/24 18:55	PB164310

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	167		3.70	18.6	ug/kg
11104-28-2	Aroclor-1221	7.00	U	7.00	18.6	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	18.6	ug/kg
53469-21-9	Aroclor-1242	3.70	U	3.70	18.6	ug/kg
12672-29-6	Aroclor-1248	8.70	U	8.70	18.6	ug/kg
11097-69-1	Aroclor-1254	3.00	U	3.00	18.6	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	18.6	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	18.6	ug/kg
11096-82-5	Aroclor-1260	149		3.20	18.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.0		30 (32) - 150 (144)	105%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.1		30 (32) - 150 (175)	100%	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:	Yannuzzi Group, Inc.	Date Collected:	10/21/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/21/24
Client Sample ID:	BP-F-6MSD	SDG No.:	P4473
Lab Sample ID:	P4472-05MSD	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	91.1 Decanted:
Sample Wt/Vol:	30.04 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
PP068142.D	1	10/22/24 10:10	10/22/24 19:12	PB164310

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	169		3.70	18.6	ug/kg
11104-28-2	Aroclor-1221	7.00	U	7.00	18.6	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	18.6	ug/kg
53469-21-9	Aroclor-1242	3.70	U	3.70	18.6	ug/kg
12672-29-6	Aroclor-1248	8.60	U	8.60	18.6	ug/kg
11097-69-1	Aroclor-1254	3.00	U	3.00	18.6	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	18.6	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	18.6	ug/kg
11096-82-5	Aroclor-1260	147		3.20	18.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.3		30 (32) - 150 (144)	106%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.1		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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LAB CHRONICLE

OrderID:	P4473	**OrderDate:**	10/21/2024 3:15:00 PM
Client:	Yannuzzi Group, Inc.	**Project:**	86 Davidson Road, Piscataway, NJ
Contact:	Rafael Nunez	**Location:**	K61

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4473-01	**TS-1**	**SOIL**			**10/18/24**			**10/21/24**
			PCB	8082A		10/22/24	10/22/24	
			Pesticide-TCL	8081B		10/22/24	10/23/24	
			TPH GC	8015D		10/22/24	10/22/24	

SAMPLE DATA

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Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/18/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/21/24
Client Sample ID:	TS-1	SDG No.:	P4473
Lab Sample ID:	P4473-01	Matrix:	SOIL
Analytical Method:	8015D TPH	% Solid:	48.8 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	TPH GC
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF014744.D	5	10/22/24 10:46	10/22/24 19:43	PB164324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
PHC	Petroleum Hydrocarbons	133000		3260	29000	ug/kg
SURROGATES						
16416-32-3	TETRACOSANE-d50	2.64		37 - 130	66%	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

QC SUMMARY

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SOIL TPH GC SURROGATE RECOVERY

Lab Name: Chemtech Client: Yannuzzi Group, Inc.

Lab Code: CHEM Case No.: P4473 SAS No.: P4473 SDG No.: P4473

EPA SAMPLE NO.	S1 TETRACOSANE-d50	S2	S3	S4	TOT OUT
PIBLK-FF014738.D	84				0
PIBLK-FF014746.D	80				0
PIBLK-FF014749.D	113				0
PIBLK-FF014753.D	82				0
TS-1	66				0
TS-1MS	55				0
TS-1MSD	54				0
PB164324BL	73				0
PB164324BS	95				0

	QC LIMITS
TETRACOSANE-d50	For Water : 29-130 For Soil : 37-130

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate Diluted Out

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SOIL TPH GC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Yannuzzi Group, Inc.

Lab Code: CHEM **Cas No:** P4473 **SAS No :** P4473 **SDG No:** P4473

Client SampleID : TS-1MS **Datafile:** FF014742.D

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS
Petroleum Hydrocarbons	23155	127000	110197	-73%	*	68-131

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SOIL TPH GC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Yannuzzi Group, Inc.

Lab Code: CHEM **Cas No:** P4473 **SAS No :** P4473 **SDG No:** P4473

Client SampleID : TS-1MSD **Datafile:** FF014743.D

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS
Petroleum Hydrocarbons	23170	127000	105281	-94%	*	68-131

MS/MSD % Recovery RPD : 25.1

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SOIL TPH GC LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Yannuzzi Group, Inc.

Lab Code: CHEM **Cas No:** P4473 **SAS No :** P4473 **SDG No:** P4473

Matrix Spike - EPA Sample No : PB164324BS **Datafile:** FF014752.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
Petroleum Hydrocarbons	11322	0	10556	93	68-131

Alliance TECHNICAL GROUP
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4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.
PB164324BL

Lab Name: CHEMTECH Contract: YANN01

Lab Code: CHEM Case No.: P4473 SAS No.: P4473 SDG NO.: P4473

Lab File ID: FF014740.D Lab Sample ID: PB164324BL

Instrument ID: FF Date Extracted: 10/22/2024

Matrix: (soil/water) Soil Date Analyzed: 10/22/24

Level: (low/med) low Time Analyzed: 17:47

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
TS-1MS	P4473-01MS	FF014742.D	10/22/24
TS-1MSD	P4473-01MSD	FF014743.D	10/22/24
TS-1	P4473-01	FF014744.D	10/22/24
PB164324BS	PB164324BS	FF014752.D	10/23/24

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	
Client Sample ID:	PB164324BL	SDG No.:	P4473
Lab Sample ID:	PB164324BL	Matrix:	SOIL
Analytical Method:	8015D TPH	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	TPH GC
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF014740.D	1	10/22/24 10:46	10/22/24 17:47	PB164324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
PHC	Petroleum Hydrocarbons	318	U	318	2830	ug/kg
SURROGATES						
16416-32-3	TETRACOSANE-d50	14.6		37 - 130	73%	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

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

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/22/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/22/24
Client Sample ID:	PIBLK-FF014738.D	SDG No.:	P4473
Lab Sample ID:	I.BLK-FF014738.D	Matrix:	Water
Analytical Method:	8015D TPH	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	TPH GC
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF014738.D	1		10/22/24	FF102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
PHC	Petroleum Hydrocarbons	9.00	U	9.00	85.0	ug/L
SURROGATES						
16416-32-3	TETRACOSANE-d50	16.7		29 - 130	84%	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:	Yannuzzi Group, Inc.	Date Collected:	10/22/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/22/24
Client Sample ID:	PIBLK-FF014746.D	SDG No.:	P4473
Lab Sample ID:	I.BLK-FF014746.D	Matrix:	Water
Analytical Method:	8015D TPH	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	TPH GC
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF014746.D	1		10/22/24	FF102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
PHC	Petroleum Hydrocarbons	9.00	U	9.00	85.0	ug/L
SURROGATES						
16416-32-3	TETRACOSANE-d50	16.0		29 - 130	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

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Fax : 908 789 8922

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/23/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/23/24
Client Sample ID:	PIBLK-FF014749.D	SDG No.:	P4473
Lab Sample ID:	I.BLK-FF014749.D	Matrix:	Water
Analytical Method:	8015D TPH	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	TPH GC
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF014749.D	1		10/23/24	FF102324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
PHC	Petroleum Hydrocarbons	9.00	U	9.00	85.0	ug/L
SURROGATES						
16416-32-3	TETRACOSANE-d50	22.6		29 - 130	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

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Fax : 908 789 8922

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/23/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/23/24
Client Sample ID:	PIBLK-FF014753.D	SDG No.:	P4473
Lab Sample ID:	I.BLK-FF014753.D	Matrix:	Water
Analytical Method:	8015D TPH	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	TPH GC
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF014753.D	1		10/23/24	FF102324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
PHC	Petroleum Hydrocarbons	9.00	U	9.00	85.0	ug/L
SURROGATES						
16416-32-3	TETRACOSANE-d50	16.3		29 - 130	82%	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:	Yannuzzi Group, Inc.	Date Collected:	
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	
Client Sample ID:	PB164324BS	SDG No.:	P4473
Lab Sample ID:	PB164324BS	Matrix:	SOIL
Analytical Method:	8015D TPH	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	TPH GC
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF014752.D	1	10/22/24 10:46	10/23/24 8:42	PB164324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
PHC	Petroleum Hydrocarbons	10600		318	2830	ug/kg
SURROGATES						
16416-32-3	TETRACOSANE-d50	18.9		37 - 130	95%	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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Fax : 908 789 8922

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/18/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/21/24
Client Sample ID:	TS-1MS	SDG No.:	P4473
Lab Sample ID:	P4473-01MS	Matrix:	SOIL
Analytical Method:	8015D TPH	% Solid:	48.8 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	TPH GC
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF014742.D	1	10/22/24 10:46	10/22/24 18:45	PB164324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
PHC	Petroleum Hydrocarbons	110000		650	5790	ug/kg
SURROGATES						
16416-32-3	TETRACOSANE-d50	11.1		37 - 130	55%	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

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

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/18/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/21/24
Client Sample ID:	TS-1MSD	SDG No.:	P4473
Lab Sample ID:	P4473-01MSD	Matrix:	SOIL
Analytical Method:	8015D TPH	% Solid:	48.8 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	TPH GC
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF014743.D	1	10/22/24 10:46	10/22/24 19:14	PB164324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
PHC	Petroleum Hydrocarbons	105000		650	5790	ug/kg
SURROGATES						
16416-32-3	TETRACOSANE-d50	10.7		37 - 130	54%	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

CALIBRATION SUMMARY

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TPH GC INITIAL CALIBRATION SUMMARY

Lab Name: Chemtech Contract: YANN01

ProjectID: 86 Davidson Road, Piscataway, NJ

Lab Code: CHEM Case No.: P4473 SAS No.: P4473 SDG No.: P4473

Calibration Sequence : FF102124		Test : TPH GC	
Concentration (PPM)	**Area Count**	**Reference Factor**	**File ID**
1700	225766981	132804	FF014706.D
850	115534550	135923	FF014707.D
340	48250267	141913	FF014708.D
170	24049317	141467	FF014709.D
85	12677985	149153	FF014710.D
AVG RF : 140252	**% RSD : 4.477**		**AVG RT : 14.9988**

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TPH GC CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: YANN01

ProjectID: 86 Davidson Road, Piscataway, NJ

Lab Code: CHEM Case No.: P4473 SAS No.: P4473 SDG No.: P4473

DataFile: FF014734.D Analyst Name: YP\AJ Analyst Date: 10-22-2024

Conc. (PPM)	Area Count	RF	Average RF	%D
850	117829959	138623	140252	1.161

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Fax : 908 789 8922

TPH GC CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: YANN01

ProjectID: 86 Davidson Road, Piscataway, NJ

Lab Code: CHEM Case No.: P4473 SAS No.: P4473 SDG No.: P4473

DataFile: FF014739.D Analyst Name: YP\AJ Analyst Date: 10-22-2024

Conc. (PPM)	Area Count	RF	Average RF	%D
850	110336157	129807	140252	7.447

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TPH GC CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: YANN01

ProjectID: 86 Davidson Road, Piscataway, NJ

Lab Code: CHEM Case No.: P4473 SAS No.: P4473 SDG No.: P4473

DataFile: FF014747.D Analyst Name: YP\AJ Analyst Date: 10-22-2024

Conc. (PPM)	Area Count	RF	Average RF	%D
850	113529861	133565	140252	4.768

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Fax : 908 789 8922

TPH GC CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: YANN01

ProjectID: 86 Davidson Road, Piscataway, NJ

Lab Code: CHEM Case No.: P4473 SAS No.: P4473 SDG No.: P4473

DataFile: FF014750.D Analyst Name: YP\AJ Analyst Date: 10-23-2024

Conc. (PPM)	Area Count	RF	Average RF	%D
850	116604660	137182	140252	2.189

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Fax : 908 789 8922

TPH GC CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: YANN01

ProjectID: 86 Davidson Road, Piscataway, NJ

Lab Code: CHEM Case No.: P4473 SAS No.: P4473 SDG No.: P4473

DataFile: FF014754.D Analyst Name: YP\AJ Analyst Date: 10-23-2024

Conc. (PPM)	Area Count	RF	Average RF	%D
850	119688745	140810	140252	0.398

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Fax : 908 789 8922

Analytical Sequence

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Project: 86 Davidson Road, Piscataway, NJ **Instrument ID:** FID_F

GC Column: RXI-1MS **ID:** 0.18 **(mm)**

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SUROGATE RT FROM INITIAL CALIBRATION **14.9988**

EPA SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
PIBLK01	I.BLK01	22 Oct 2024 16:20	FF014738.D	15.008	
50 PPM TRPH STD	50 PPM TRPH STD	22 Oct 2024 16:49	FF014739.D	15.011	
PB164324BL	PB164324BL	22 Oct 2024 17:47	FF014740.D	15.008	
TS-1MS	P4473-01MS	22 Oct 2024 18:45	FF014742.D	14.984	
TS-1MSD	P4473-01MSD	22 Oct 2024 19:14	FF014743.D	15.007	
TS-1	P4473-01	22 Oct 2024 19:43	FF014744.D	14.977	
PIBLK02	I.BLK02	22 Oct 2024 20:41	FF014746.D	15.008	
50 PPM TRPH STD	50 PPM TRPH STD	22 Oct 2024 21:39	FF014747.D	15.010	
PIBLK03	I.BLK03	23 Oct 2024 07:14	FF014749.D	15.008	
50 PPM TRPH STD	50 PPM TRPH STD	23 Oct 2024 07:43	FF014750.D	15.012	
PB164324BS	PB164324BS	23 Oct 2024 08:42	FF014752.D	15.010	
PIBLK04	I.BLK04	23 Oct 2024 09:10	FF014753.D	15.009	
50 PPM TRPH STD	50 PPM TRPH STD	23 Oct 2024 09:39	FF014754.D	15.012	

 # Column used to flag RT values with an * values outside of QC limits

QC Limits	Lower Limit	Upper Limits
(± 0.10 minutes)	14.8988	15.0988

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102224\
Data File : FF014736.D
Signal(s) : FID2B.ch
Acq On : 22 Oct 2024 15:22
Operator : YP\AJ
Sample : P4473-01
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 23 04:03:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um

Instrument :
FID_F
ClientSampleId :
TS-1

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

A B C D E F

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
9) S TETRACOSANE-d50 (SURR...	15.004	1939756	14.740	ug/mlm
Target Compounds				

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102224\
Data File : FF014736.D
Signal(s) : FID2B.ch
Acq On : 22 Oct 2024 15:22
Operator : YP\AJ
Sample : P4473-01
Misc :
ALS Vial : 61 Sample Multiplier: 1

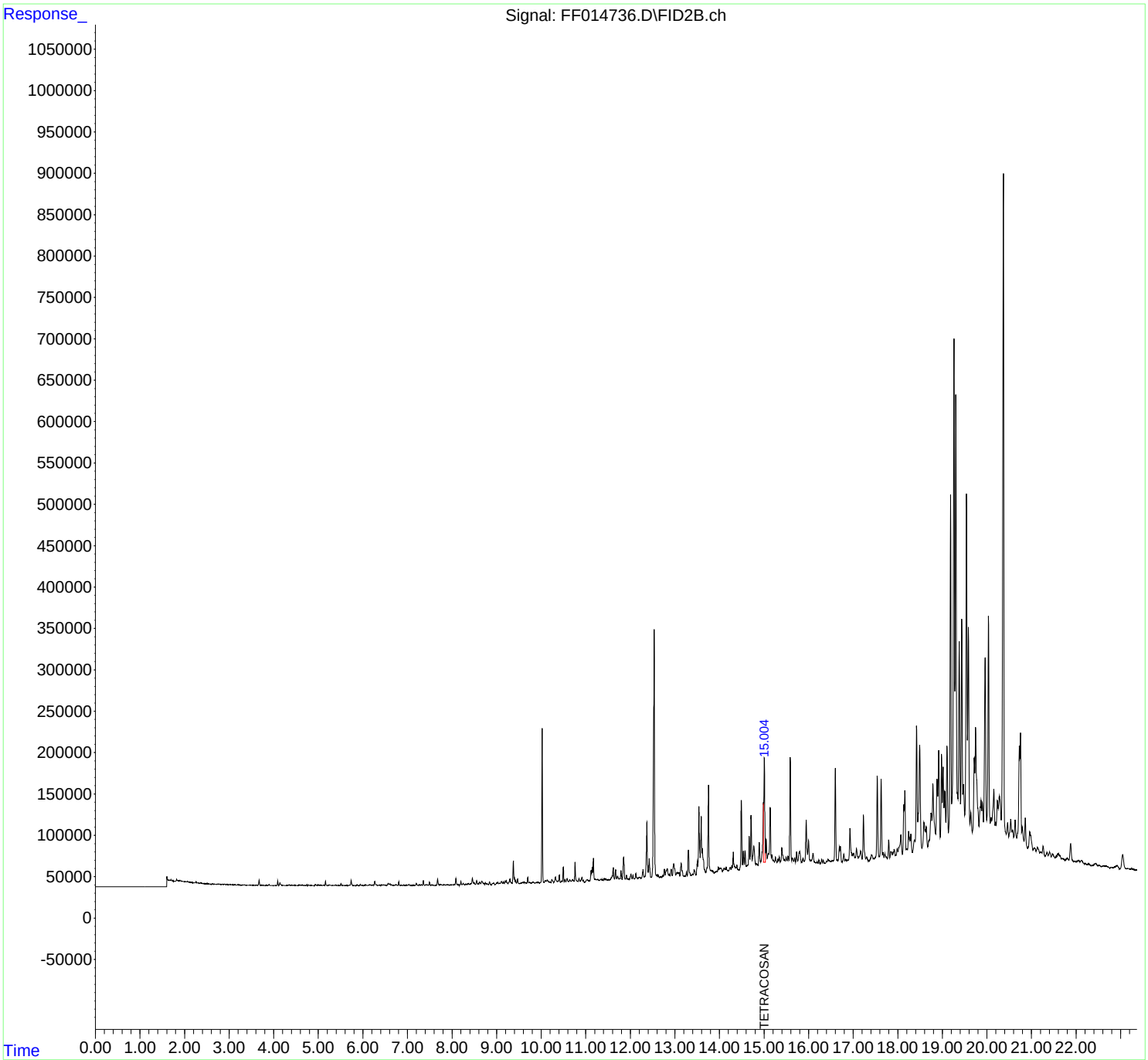
Integration File: autoint1.e
Quant Time: Oct 23 04:03:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

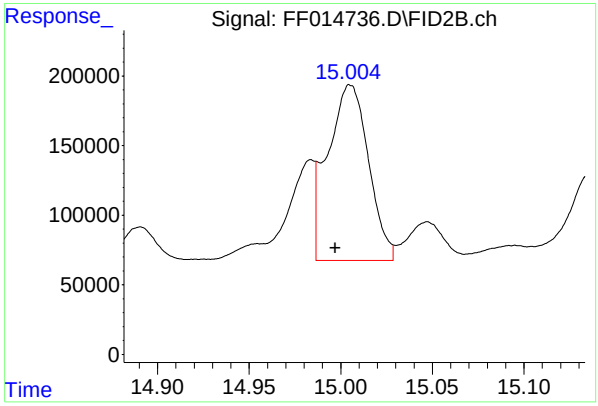
Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um

Instrument :
FID_F
ClientSampleId :
TS-1

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 15.004 min
Delta R.T.: 0.007 mi
Response: 1939756
Conc: 14.74 ug/m

Instrument :
FID_F
ClientSampleId :
TS-1

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

A
B
C
D
E
F

Instrument :
FID_F
ClientSampleId :
TS-1

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF10222
Data File : FF014736.D
Signal(s) : FID2B.ch
Acq On : 22 Oct 2024 15:22
Sample : P4473-01
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	1.937	1.918	2.038	BV	238	1099	0.01%	0.000%
2	2.059	2.038	2.115	PV	803	15631	0.10%	0.006%
3	2.119	2.115	2.144	VV	238	2448	0.02%	0.001%
4	2.149	2.144	2.198	PV	176	1875	0.01%	0.001%
5	2.202	2.198	2.217	PV	121	1024	0.01%	0.000%
6	2.226	2.217	2.246	VV	281	3249	0.02%	0.001%
7	2.255	2.246	2.350	VV	1597	28027	0.18%	0.011%
8	2.358	2.350	2.453	VV	948	14913	0.09%	0.006%
9	2.457	2.453	2.487	PV	127	1547	0.01%	0.001%
10	2.498	2.487	2.523	VV	280	4527	0.03%	0.002%
11	2.526	2.523	2.540	VV	248	1544	0.01%	0.001%
12	2.542	2.540	2.562	VV	202	1401	0.01%	0.001%
13	2.566	2.562	2.579	VV	180	941	0.01%	0.000%
14	2.583	2.579	2.600	PV	162	1052	0.01%	0.000%
15	2.620	2.600	2.676	VV	322	7088	0.04%	0.003%
16	2.698	2.676	2.710	PV	165	2014	0.01%	0.001%
17	2.717	2.710	2.721	VV	197	1022	0.01%	0.000%
18	2.733	2.721	2.744	VV	437	4833	0.03%	0.002%
19	2.755	2.744	2.775	VV	515	7356	0.05%	0.003%
20	2.785	2.775	2.808	VV	375	5131	0.03%	0.002%
21	2.812	2.808	2.828	VV	192	1835	0.01%	0.001%
22	2.844	2.828	2.883	VV	482	9644	0.06%	0.004%
23	2.896	2.883	2.930	VV	637	9810	0.06%	0.004%
24	2.943	2.930	2.980	VV	415	8082	0.05%	0.003%
25	2.983	2.980	2.998	VV	275	2008	0.01%	0.001%
26	3.009	2.998	3.046	VV	417	7179	0.05%	0.003%
27	3.058	3.046	3.098	VV	474	7369	0.05%	0.003%
28	3.101	3.098	3.114	VV	126	809	0.01%	0.000%
29	3.123	3.114	3.147	VV	178	1999	0.01%	0.001%
30	3.149	3.147	3.159	VV	102	645	0.00%	0.000%
31	3.163	3.159	3.169	VV	102	471	0.00%	0.000%
32	3.174	3.169	3.179	PV	106	331	0.00%	0.000%
33	3.197	3.179	3.255	VV	539	10708	0.07%	0.004%
34	3.277	3.255	3.301	VV	181	2537	0.02%	0.001%
35	3.317	3.301	3.325	PV	260	2458	0.02%	0.001%
36	3.342	3.325	3.373	VV	699	9428	0.06%	0.004%

Instrument :
FID_F
ClientSampleId :
TS-1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

A B C D E F

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37	3.382	3.373	3.401	PV	197	1457	0.01%	0.001%
38	3.405	3.401	3.416	PV	101	624		
39	3.424	3.416	3.443	VV	150	1534		
40	3.465	3.443	3.507	VV	350	6263		
41	3.524	3.507	3.538	VV	340	4771		
42	3.544	3.538	3.587	VV	263	6089		
43	3.601	3.587	3.625	VV	536	7187	0.05%	0.003%
44	3.637	3.625	3.643	VV	261	2171	0.01%	0.001%
45	3.672	3.643	3.703	VV	6454	76211	0.48%	0.029%
46	3.719	3.703	3.743	VV	412	5921	0.04%	0.002%
47	3.767	3.743	3.814	VV	334	7067	0.04%	0.003%
48	3.826	3.814	3.835	VV	421	4177	0.03%	0.002%
49	3.848	3.835	3.864	VV	359	4090	0.03%	0.002%
50	3.892	3.864	3.926	PV	1261	18545	0.12%	0.007%
51	3.932	3.926	3.937	VV	102	612	0.00%	0.000%
52	3.941	3.937	3.957	VV	181	1511	0.01%	0.001%
53	3.970	3.957	3.987	VV	231	1963	0.01%	0.001%
54	4.000	3.987	4.016	PV	178	1762	0.01%	0.001%
55	4.035	4.016	4.063	VV	292	3844	0.02%	0.001%
56	4.090	4.063	4.111	VV	5824	53290	0.33%	0.020%
57	4.140	4.111	4.199	VV	3489	64370	0.40%	0.025%
58	4.215	4.199	4.234	VV	433	5910	0.04%	0.002%
59	4.243	4.234	4.263	VV	176	1961	0.01%	0.001%
60	4.293	4.263	4.320	VV	375	7552	0.05%	0.003%
61	4.343	4.320	4.376	VV	1018	18939	0.12%	0.007%
62	4.394	4.376	4.413	VV	826	11668	0.07%	0.004%
63	4.418	4.413	4.444	VV	561	6647	0.04%	0.003%
64	4.462	4.444	4.480	VV	549	7347	0.05%	0.003%
65	4.493	4.480	4.514	VV	472	6963	0.04%	0.003%
66	4.519	4.514	4.541	VV	308	3266	0.02%	0.001%
67	4.584	4.541	4.594	VV	671	16200	0.10%	0.006%
68	4.606	4.594	4.622	VV	841	10856	0.07%	0.004%
69	4.638	4.622	4.667	VV	1047	16704	0.10%	0.006%
70	4.680	4.667	4.712	VV	490	7919	0.05%	0.003%
71	4.741	4.712	4.759	VV	1116	13509	0.08%	0.005%
72	4.785	4.759	4.810	VV	773	15719	0.10%	0.006%
73	4.828	4.810	4.843	VV	359	5462	0.03%	0.002%
74	4.850	4.843	4.872	VV	320	4522	0.03%	0.002%
75	4.888	4.872	4.912	VV	305	4839	0.03%	0.002%
76	4.932	4.912	4.967	VV	1650	25144	0.16%	0.010%
77	4.984	4.967	4.990	VV	664	7293	0.05%	0.003%
78	4.998	4.990	5.019	VV	641	9535	0.06%	0.004%
79	5.022	5.019	5.026	VV	550	2106	0.01%	0.001%
80	5.045	5.026	5.097	VV	857	20326	0.13%	0.008%
81	5.116	5.097	5.141	VV	814	13528	0.08%	0.005%
82	5.162	5.141	5.194	VV	5510	55416	0.35%	0.021%
83	5.228	5.194	5.234	VV	470	8503	0.05%	0.003%
84	5.249	5.234	5.262	VV	1198	13146	0.08%	0.005%
85	5.267	5.262	5.275	VV	613	3867	0.02%	0.001%
86	5.282	5.275	5.300	VV	583	6372	0.04%	0.002%
87	5.313	5.300	5.336	VV	431	6061	0.04%	0.002%
88	5.352	5.336	5.366	VV	628	6766	0.04%	0.003%
89	5.388	5.366	5.430	VV	1134	20766	0.13%	0.008%

Instrument :
FID_F
ClientSampleId :
TS-1

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

90	5.449	5.430	5.461	VV	571	7557	0.05%	0.003%
91	5.467	5.461	5.486	VV	419	4866		
92	5.509	5.486	5.536	VV	2570	31538		
93	5.554	5.536	5.570	VV	543	7660		
94	5.579	5.570	5.592	VV	363	2673		
95	5.609	5.592	5.616	PV	166	1496		
96	5.637	5.616	5.656	VV	455	7363	0.05%	0.003%
97	5.660	5.656	5.666	VV	147	851	0.01%	0.000%
98	5.698	5.666	5.712	VV	709	10954	0.07%	0.004%
99	5.738	5.712	5.772	VV	6441	83797	0.53%	0.032%
100	5.775	5.772	5.788	VV	387	2366	0.01%	0.001%
101	5.803	5.788	5.819	VV	455	5605	0.04%	0.002%
102	5.824	5.819	5.852	VV	310	3502	0.02%	0.001%
103	5.871	5.852	5.918	VV	1429	20524	0.13%	0.008%
104	5.939	5.918	5.954	VV	1101	13477	0.08%	0.005%
105	5.965	5.954	5.980	VV	943	10565	0.07%	0.004%
106	5.989	5.980	6.005	VV	503	4535	0.03%	0.002%
107	6.024	6.005	6.039	VV	536	7497	0.05%	0.003%
108	6.059	6.039	6.110	VV	1058	26252	0.16%	0.010%
109	6.125	6.110	6.135	VV	831	8839	0.06%	0.003%
110	6.151	6.135	6.164	VV	1442	16111	0.10%	0.006%
111	6.177	6.164	6.199	VV	1189	14959	0.09%	0.006%
112	6.233	6.199	6.246	VV	1079	18936	0.12%	0.007%
113	6.265	6.246	6.295	VV	5267	77421	0.49%	0.029%
114	6.302	6.295	6.334	VV	1096	16166	0.10%	0.006%
115	6.355	6.334	6.370	VV	816	10662	0.07%	0.004%
116	6.381	6.370	6.401	VV	665	8463	0.05%	0.003%
117	6.421	6.401	6.439	VV	1434	18644	0.12%	0.007%
118	6.452	6.439	6.457	VV	938	9122	0.06%	0.003%
119	6.466	6.457	6.489	VV	998	14407	0.09%	0.005%
120	6.500	6.489	6.526	VV	728	10859	0.07%	0.004%
121	6.567	6.526	6.581	VV	2888	45288	0.28%	0.017%
122	6.592	6.581	6.688	VV	2147	74452	0.47%	0.028%
123	6.693	6.688	6.704	VV	369	3094	0.02%	0.001%
124	6.733	6.704	6.742	VV	995	13979	0.09%	0.005%
125	6.752	6.742	6.787	VV	964	16846	0.11%	0.006%
126	6.806	6.787	6.832	VV	4633	47504	0.30%	0.018%
127	6.858	6.832	6.877	VV	624	11025	0.07%	0.004%
128	6.890	6.877	6.907	VV	416	5464	0.03%	0.002%
129	6.921	6.907	6.944	VV	990	9626	0.06%	0.004%
130	6.976	6.944	6.998	VV	987	16096	0.10%	0.006%
131	7.013	6.998	7.024	VV	842	9654	0.06%	0.004%
132	7.036	7.024	7.059	VV	1715	18281	0.11%	0.007%
133	7.068	7.059	7.093	VV	325	4899	0.03%	0.002%
134	7.109	7.093	7.118	PV	533	4561	0.03%	0.002%
135	7.133	7.118	7.143	VV	665	7487	0.05%	0.003%
136	7.152	7.143	7.169	VV	351	4185	0.03%	0.002%
137	7.201	7.169	7.245	VV	2794	44322	0.28%	0.017%
138	7.272	7.245	7.289	VV	951	17611	0.11%	0.007%
139	7.315	7.289	7.333	VV	1385	23151	0.15%	0.009%
140	7.358	7.333	7.387	VV	6114	69069	0.43%	0.026%
141	7.421	7.387	7.434	VV	1119	19969	0.13%	0.008%

Instrument :
FID_F
ClientSampleId :
TS-1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

rteres

142	7.444	7.434	7.467	VV	797	11515	0.07%	0.004%
143	7.470	7.467	7.475	VV	412	1987		
144	7.495	7.475	7.527	VV	4178	50318		
145	7.542	7.527	7.547	VV	857	7674		
146	7.560	7.547	7.607	VV	1027	16129		
147	7.629	7.607	7.640	PV	286	2866		
148	7.678	7.640	7.726	VV	7653	115054	0.72%	0.044%
149	7.751	7.726	7.779	VV	1485	26731	0.17%	0.010%
150	7.822	7.779	7.842	VV	1090	23653	0.15%	0.009%
151	7.864	7.842	7.878	VV	765	13206	0.08%	0.005%
152	7.893	7.878	7.935	VV	971	20658	0.13%	0.008%
153	7.963	7.935	7.980	VV	1086	16267	0.10%	0.006%
154	8.001	7.980	8.032	VV	1037	22735	0.14%	0.009%
155	8.052	8.032	8.065	VV	943	13208	0.08%	0.005%
156	8.089	8.065	8.118	VV	8444	111495	0.70%	0.042%
157	8.130	8.118	8.145	VV	1295	15274	0.10%	0.006%
158	8.153	8.145	8.179	VV	628	9601	0.06%	0.004%
159	8.201	8.179	8.222	VV	4572	50905	0.32%	0.019%
160	8.253	8.222	8.289	VV	2234	46775	0.29%	0.018%
161	8.310	8.289	8.334	VV	1640	27380	0.17%	0.010%
162	8.352	8.334	8.356	VV	1637	15753	0.10%	0.006%
163	8.369	8.356	8.400	VV	2382	38504	0.24%	0.015%
164	8.422	8.400	8.433	VV	1988	30053	0.19%	0.011%
165	8.458	8.433	8.486	VV	8295	141512	0.89%	0.054%
166	8.498	8.486	8.527	VV	2984	46411	0.29%	0.018%
167	8.553	8.527	8.572	VV	5280	75759	0.48%	0.029%
168	8.590	8.572	8.600	VV	1614	25113	0.16%	0.010%
169	8.619	8.600	8.647	VV	3428	68026	0.43%	0.026%
170	8.669	8.647	8.704	VV	4675	105079	0.66%	0.040%
171	8.714	8.704	8.732	VV	2268	28325	0.18%	0.011%
172	8.754	8.732	8.772	VV	2464	38563	0.24%	0.015%
173	8.784	8.772	8.813	VV	1718	27779	0.17%	0.011%
174	8.844	8.813	8.878	VV	3896	57377	0.36%	0.022%
175	8.914	8.878	8.922	PV	1715	25757	0.16%	0.010%
176	8.936	8.922	8.965	VV	2614	37073	0.23%	0.014%
177	9.000	8.965	9.014	VV	2227	33512	0.21%	0.013%
178	9.027	9.014	9.049	VV	3144	44512	0.28%	0.017%
179	9.063	9.049	9.083	VV	1858	33256	0.21%	0.013%
180	9.112	9.083	9.140	VV	4041	86761	0.54%	0.033%
181	9.154	9.140	9.173	VV	3650	48048	0.30%	0.018%
182	9.194	9.173	9.205	VV	4003	54643	0.34%	0.021%
183	9.219	9.205	9.257	VV	5099	86361	0.54%	0.033%
184	9.299	9.257	9.338	VV	6677	150385	0.94%	0.057%
185	9.378	9.338	9.395	VV	28326	353766	2.22%	0.135%
186	9.401	9.395	9.417	VV	7722	77674	0.49%	0.030%
187	9.428	9.417	9.447	VV	5071	59535	0.37%	0.023%
188	9.471	9.447	9.502	VV	6294	93151	0.58%	0.035%
189	9.520	9.502	9.529	VV	1084	13947	0.09%	0.005%
190	9.547	9.529	9.561	VV	1349	21152	0.13%	0.008%
191	9.578	9.561	9.598	VV	2049	35616	0.22%	0.014%
192	9.611	9.598	9.624	VV	2604	31463	0.20%	0.012%
193	9.637	9.624	9.650	VV	2028	25726	0.16%	0.010%
194	9.661	9.650	9.679	VV	1418	19250	0.12%	0.007%

Instrument :
FID_F
ClientSampleId :
TS-1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

rteres

195	9.700	9.679	9.725	VV	7999	98973	0.62%	0.038%
196	9.741	9.725	9.758	VV	2259	32665		
197	9.761	9.758	9.779	VV	1109	11734		
198	9.814	9.779	9.832	VV	2305	50780		
199	9.839	9.832	9.858	VV	1615	18144		
200	9.890	9.858	9.899	VV	1418	25581		
201	9.924	9.899	9.930	VV	1667	26852	0.17%	0.010%
202	9.937	9.930	9.960	VV	1648	22123	0.14%	0.008%
203	10.024	9.960	10.062	VV	187695	1997352	12.54%	0.760%
204	10.093	10.062	10.114	VV	3759	77310	0.49%	0.029%
205	10.136	10.114	10.148	VV	4318	69993	0.44%	0.027%
206	10.154	10.148	10.175	VV	3221	39905	0.25%	0.015%
207	10.186	10.175	10.215	VV	1948	35247	0.22%	0.013%
208	10.241	10.215	10.285	VV	4435	104431	0.66%	0.040%
209	10.321	10.285	10.365	VV	7758	175949	1.10%	0.067%
210	10.380	10.365	10.389	VV	2691	32716	0.21%	0.012%
211	10.409	10.389	10.435	VV	9961	127666	0.80%	0.049%
212	10.462	10.435	10.477	VV	2335	46974	0.29%	0.018%
213	10.497	10.477	10.519	VV	19282	219808	1.38%	0.084%
214	10.535	10.519	10.555	VV	3983	57980	0.36%	0.022%
215	10.582	10.555	10.609	VV	5072	101547	0.64%	0.039%
216	10.643	10.609	10.660	VV	4007	79274	0.50%	0.030%
217	10.670	10.660	10.681	VV	2247	25290	0.16%	0.010%
218	10.705	10.681	10.732	VV	4053	84283	0.53%	0.032%
219	10.762	10.732	10.825	VV	24850	347954	2.19%	0.132%
220	10.851	10.825	10.880	VV	5197	92670	0.58%	0.035%
221	10.916	10.880	10.935	VV	6418	124706	0.78%	0.047%
222	10.948	10.935	10.982	VV	2980	38065	0.24%	0.014%
223	11.025	10.982	11.085	PV	3192	125899	0.79%	0.048%
224	11.122	11.085	11.132	VV	14631	197129	1.24%	0.075%
225	11.145	11.132	11.156	VV	18033	206928	1.30%	0.079%
226	11.172	11.156	11.207	VV	28827	407687	2.56%	0.155%
227	11.215	11.207	11.228	VV	3406	39992	0.25%	0.015%
228	11.239	11.228	11.255	VV	3296	48521	0.30%	0.018%
229	11.270	11.255	11.307	VV	3326	77157	0.48%	0.029%
230	11.342	11.307	11.362	VV	3463	86195	0.54%	0.033%
231	11.377	11.362	11.390	VV	2451	35431	0.22%	0.013%
232	11.412	11.390	11.435	VV	4017	80215	0.50%	0.031%
233	11.452	11.435	11.475	VV	3666	64375	0.40%	0.025%
234	11.480	11.475	11.484	VV	1866	9243	0.06%	0.004%
235	11.500	11.484	11.517	VV	2670	42038	0.26%	0.016%
236	11.534	11.517	11.547	VV	2368	37682	0.24%	0.014%
237	11.572	11.547	11.577	VV	4581	61925	0.39%	0.024%
238	11.593	11.577	11.600	VV	7202	84392	0.53%	0.032%
239	11.617	11.600	11.647	VV	16688	247967	1.56%	0.094%
240	11.670	11.647	11.697	VV	14121	216333	1.36%	0.082%
241	11.715	11.697	11.745	VV	6226	122449	0.77%	0.047%
242	11.766	11.745	11.770	VV	3040	43714	0.27%	0.017%
243	11.793	11.770	11.817	VV	12809	184503	1.16%	0.070%
244	11.850	11.817	11.895	VV	28849	536631	3.37%	0.204%
245	11.914	11.895	11.937	VV	6832	102386	0.64%	0.039%
246	11.949	11.937	11.969	VV	2765	41496	0.26%	0.016%

Instrument :
FID_F
ClientSampleId :
TS-1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

rteres

247	12.013	11.969	12.041	VV	7916	180447	1.13%	0.069%
248	12.062	12.041	12.099	VV	7050	124376		
249	12.125	12.099	12.169	VV	8823	182169		
250	12.189	12.169	12.197	VV	3670	51699		
251	12.213	12.197	12.238	VV	4107	84891		
252	12.285	12.238	12.313	VV	13325	280319		
253	12.372	12.313	12.401	VV	70033	1185855	7.45%	0.452%
254	12.425	12.401	12.461	VV	25963	486160	3.05%	0.185%
255	12.469	12.461	12.477	VV	3342	31766	0.20%	0.012%
256	12.537	12.477	12.584	VV	302650	4849058	30.45%	1.846%
257	12.597	12.584	12.612	VV	6090	88650	0.56%	0.034%
258	12.626	12.612	12.657	VV	6142	112287	0.71%	0.043%
259	12.676	12.657	12.706	VV	3795	90172	0.57%	0.034%
260	12.729	12.706	12.744	VV	5421	96414	0.61%	0.037%
261	12.767	12.744	12.786	VV	12596	206040	1.29%	0.078%
262	12.806	12.786	12.812	VV	10700	135017	0.85%	0.051%
263	12.828	12.812	12.863	VV	12845	282906	1.78%	0.108%
264	12.876	12.863	12.889	VV	6274	86670	0.54%	0.033%
265	12.918	12.889	12.942	VV	11834	244934	1.54%	0.093%
266	12.972	12.942	13.017	VV	18395	516037	3.24%	0.196%
267	13.045	13.017	13.058	VV	7965	160633	1.01%	0.061%
268	13.072	13.058	13.085	VV	7974	116585	0.73%	0.044%
269	13.095	13.085	13.112	VV	8107	104139	0.65%	0.040%
270	13.140	13.112	13.202	VV	18753	476072	2.99%	0.181%
271	13.224	13.202	13.236	VV	3566	65583	0.41%	0.025%
272	13.259	13.236	13.276	VV	8228	127643	0.80%	0.049%
273	13.302	13.276	13.357	VV	34412	655694	4.12%	0.250%
274	13.391	13.357	13.407	VV	5564	134858	0.85%	0.051%
275	13.431	13.407	13.473	VV	10416	282380	1.77%	0.108%
276	13.503	13.473	13.514	VV	20375	304730	1.91%	0.116%
277	13.538	13.514	13.569	VV	86977	1496256	9.40%	0.570%
278	13.590	13.569	13.608	VV	74529	1124810	7.06%	0.428%
279	13.616	13.608	13.693	VV	35691	920147	5.78%	0.350%
280	13.753	13.693	13.809	VV	112044	1966637	12.35%	0.749%
281	13.816	13.809	13.832	VV	9134	118281	0.74%	0.045%
282	13.842	13.832	13.881	VV	8365	208304	1.31%	0.079%
283	13.903	13.881	13.915	VV	7056	131280	0.82%	0.050%
284	13.928	13.915	13.944	VV	7766	125309	0.79%	0.048%
285	13.974	13.944	13.989	VV	12549	256221	1.61%	0.098%
286	14.001	13.989	14.012	VV	11197	146816	0.92%	0.056%
287	14.029	14.012	14.069	VV	11098	337397	2.12%	0.128%
288	14.105	14.069	14.135	VV	11262	381559	2.40%	0.145%
289	14.151	14.135	14.205	VV	12612	389547	2.45%	0.148%
290	14.232	14.205	14.260	VV	11493	328467	2.06%	0.125%
291	14.277	14.260	14.289	VV	13784	203702	1.28%	0.078%
292	14.309	14.289	14.362	VV	30189	720674	4.53%	0.274%
293	14.369	14.362	14.374	VV	10961	76149	0.48%	0.029%
294	14.390	14.374	14.440	VV	14241	407480	2.56%	0.155%
295	14.490	14.440	14.516	VV	91707	1499144	9.41%	0.571%
296	14.536	14.516	14.556	VV	31108	536473	3.37%	0.204%
297	14.575	14.556	14.599	VV	30704	534868	3.36%	0.204%
298	14.606	14.599	14.610	VV	12929	87869	0.55%	0.033%
299	14.665	14.610	14.685	VV	48477	1043138	6.55%	0.397%

Instrument :
FID_F
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TS-1

Manual IntegrationsAPPROVED

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Supervised By :Ankita Jodhani 10/23/2024

rteres

300	14.709	14.685	14.732	VV	73927	1199001	7.53%	0.457%
301	14.770	14.732	14.815	VV	36472	1228282	7	
302	14.832	14.815	14.865	VV	14686	417515	2	
303	14.891	14.865	14.922	VV	40696	844694	5	
304	14.984	14.922	14.989	VV	88738	1567087	9	
305	15.005	14.989	15.031	VV	142253	2294691	14	
306	15.047	15.031	15.069	VV	44066	753253	4.73%	0.287%
307	15.095	15.069	15.102	VV	27134	493247	3.10%	0.188%
308	15.138	15.102	15.162	VV	81932	1625285	10.21%	0.619%
309	15.174	15.162	15.202	VV	25074	523565	3.29%	0.199%
310	15.208	15.202	15.234	VV	18555	328201	2.06%	0.125%
311	15.253	15.234	15.287	VV	22417	590251	3.71%	0.225%
312	15.310	15.287	15.325	VV	19674	401476	2.52%	0.153%
313	15.340	15.325	15.362	VV	22135	415577	2.61%	0.158%
314	15.398	15.362	15.451	VV	33146	1192421	7.49%	0.454%
315	15.457	15.451	15.472	VV	18781	224372	1.41%	0.085%
316	15.493	15.472	15.515	VV	21789	485955	3.05%	0.185%
317	15.537	15.515	15.557	VV	22856	501567	3.15%	0.191%
318	15.586	15.557	15.615	VV	141807	2137844	13.43%	0.814%
319	15.636	15.615	15.668	VV	19928	575124	3.61%	0.219%
320	15.688	15.668	15.706	VV	20122	402743	2.53%	0.153%
321	15.728	15.706	15.752	VV	27608	572125	3.59%	0.218%
322	15.783	15.752	15.789	VV	26270	470110	2.95%	0.179%
323	15.799	15.789	15.836	VV	27917	619899	3.89%	0.236%
324	15.875	15.836	15.894	VV	19380	589362	3.70%	0.224%
325	15.944	15.894	15.974	VV	65434	1528480	9.60%	0.582%
326	15.996	15.974	16.033	VV	40814	944502	5.93%	0.360%
327	16.042	16.033	16.060	VV	16990	263452	1.65%	0.100%
328	16.097	16.060	16.149	VV	24897	963141	6.05%	0.367%
329	16.158	16.149	16.174	VV	13767	197173	1.24%	0.075%
330	16.193	16.174	16.211	VV	14453	303499	1.91%	0.116%
331	16.228	16.211	16.265	VV	16696	459211	2.88%	0.175%
332	16.291	16.265	16.309	VV	17582	386522	2.43%	0.147%
333	16.327	16.309	16.356	VV	16404	395178	2.48%	0.150%
334	16.363	16.356	16.373	VV	12669	126515	0.79%	0.048%
335	16.400	16.373	16.416	VV	15001	361185	2.27%	0.138%
336	16.436	16.416	16.467	VV	17199	477581	3.00%	0.182%
337	16.473	16.467	16.481	VV	15250	125696	0.79%	0.048%
338	16.485	16.481	16.507	VV	14870	221561	1.39%	0.084%
339	16.525	16.507	16.545	VV	15608	343696	2.16%	0.131%
340	16.597	16.545	16.647	VV	126467	2414619	15.16%	0.919%
341	16.654	16.647	16.659	VV	15232	105187	0.66%	0.040%
342	16.688	16.659	16.699	VV	31507	570888	3.59%	0.217%
343	16.711	16.699	16.745	VV	32375	615188	3.86%	0.234%
344	16.787	16.745	16.812	VV	22580	687356	4.32%	0.262%
345	16.828	16.812	16.869	VV	15795	520298	3.27%	0.198%
346	16.882	16.869	16.888	VV	15183	176502	1.11%	0.067%
347	16.926	16.888	16.989	VV	53635	1676410	10.53%	0.638%
348	17.008	16.989	17.047	VV	22974	704458	4.42%	0.268%
349	17.073	17.047	17.109	VV	28628	832062	5.23%	0.317%
350	17.166	17.109	17.198	VV	25612	1086373	6.82%	0.414%
351	17.228	17.198	17.279	VV	68959	1562095	9.81%	0.595%

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rteres

352	17.302	17.279	17.351	VV	18011	674459	4.24%	0.257%
353	17.420	17.351	17.467	VV	20507	1163902		
354	17.472	17.467	17.477	VV	15824	93471		
355	17.539	17.477	17.590	VV	114463	2567210		
356	17.625	17.590	17.655	VV	111419	2025188		
357	17.669	17.655	17.690	VV	23016	422874		
358	17.708	17.690	17.767	VV	20985	827103	5.19%	0.315%
359	17.796	17.767	17.820	VV	37655	782856	4.92%	0.298%
360	17.850	17.820	17.875	VV	23418	693538	4.36%	0.264%
361	17.891	17.875	17.902	VV	22930	353249	2.22%	0.134%
362	17.922	17.902	17.959	VV	25549	744448	4.68%	0.283%
363	17.984	17.959	18.001	VV	26767	589000	3.70%	0.224%
364	18.067	18.001	18.102	VV	43412	1806331	11.34%	0.688%
365	18.134	18.102	18.143	VV	79855	1244388	7.81%	0.474%
366	18.158	18.143	18.185	VV	96912	1589824	9.98%	0.605%
367	18.202	18.185	18.217	VV	25944	491888	3.09%	0.187%
368	18.242	18.217	18.261	VV	47496	1003992	6.31%	0.382%
369	18.268	18.261	18.276	VV	38260	311986	1.96%	0.119%
370	18.292	18.276	18.326	VV	44017	1002310	6.29%	0.382%
371	18.372	18.326	18.379	VV	36018	933650	5.86%	0.355%
372	18.383	18.379	18.389	VV	35413	221914	1.39%	0.084%
373	18.421	18.389	18.446	VV	174204	3296900	20.70%	1.255%
374	18.490	18.446	18.540	VV	150749	4431750	27.83%	1.687%
375	18.587	18.540	18.624	VV	57256	2159258	13.56%	0.822%
376	18.638	18.624	18.672	VV	52197	1169915	7.35%	0.445%
377	18.746	18.672	18.766	VV	67795	2646765	16.62%	1.008%
378	18.787	18.766	18.848	VV	103698	3294459	20.69%	1.254%
379	18.880	18.848	18.896	VV	109049	2335565	14.67%	0.889%
380	18.918	18.896	18.952	VV	143500	3089057	19.40%	1.176%
381	18.981	18.952	18.998	VV	138987	2491417	15.65%	0.949%
382	19.016	18.998	19.036	VV	123574	2247301	14.11%	0.856%
383	19.054	19.036	19.077	VV	94047	1926848	12.10%	0.734%
384	19.104	19.077	19.135	VV	148451	3297487	20.71%	1.256%
385	19.184	19.135	19.209	VV	451360	7921533	49.75%	3.016%
386	19.260	19.209	19.280	VV	640028	12637574	79.36%	4.812%
387	19.301	19.280	19.348	VV	569427	10614626	66.66%	4.042%
388	19.377	19.348	19.407	VV	273387	5671701	35.62%	2.159%
389	19.434	19.407	19.459	VV	300610	5435075	34.13%	2.069%
390	19.471	19.459	19.502	VV	101538	2234419	14.03%	0.851%
391	19.540	19.502	19.562	VV	452954	8435437	52.97%	3.212%
392	19.583	19.562	19.618	VV	290261	5668963	35.60%	2.158%
393	19.637	19.618	19.671	VV	66633	1778681	11.17%	0.677%
394	19.716	19.671	19.728	VV	132252	2885641	18.12%	1.099%
395	19.745	19.728	19.820	VV	169645	5653073	35.50%	2.152%
396	19.865	19.820	19.883	VV	81580	2594337	16.29%	0.988%
397	19.897	19.883	19.921	VV	78513	1593163	10.00%	0.607%
398	19.959	19.921	19.994	VV	252658	5957538	37.41%	2.268%
399	20.034	19.994	20.074	VV	302417	6323025	39.71%	2.407%
400	20.092	20.074	20.107	VV	60340	1137228	7.14%	0.433%
401	20.154	20.107	20.181	VV	94639	3119209	19.59%	1.188%
402	20.192	20.181	20.208	VV	52887	859817	5.40%	0.327%
403	20.234	20.208	20.255	VV	80322	1976366	12.41%	0.753%
404	20.282	20.255	20.320	VV	85689	2936120	18.44%	1.118%

Instrument :
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TS-1

Manual IntegrationsAPPROVED

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rteres

405	20.369	20.320	20.434	VV	837582	15923713	100.00%	6.063%
406	20.463	20.434	20.490	VV	53299	1497302	9	
407	20.534	20.490	20.562	VV	57386	1970919	12	
408	20.575	20.562	20.601	VV	44292	942029	5	
409	20.632	20.601	20.667	VV	56111	1702573	10	
410	20.727	20.667	20.738	VV	145291	3269284	20	
411	20.752	20.738	20.779	VV	161204	2638301	16.57%	1.005%
412	20.794	20.779	20.833	VV	47715	1269218	7.97%	0.483%
413	20.860	20.833	20.909	VV	58125	1622338	10.19%	0.618%
414	20.960	20.909	21.043	VV	41262	2302809	14.46%	0.877%
415	21.059	21.043	21.105	VV	21436	748697	4.70%	0.285%
416	21.132	21.105	21.188	VV	21849	938867	5.90%	0.357%
417	21.202	21.188	21.219	VV	15965	299407	1.88%	0.114%
418	21.224	21.219	21.234	VV	15833	134492	0.84%	0.051%
419	21.259	21.234	21.297	VV	23349	661474	4.15%	0.252%
420	21.305	21.297	21.312	VV	11538	102565	0.64%	0.039%
421	21.348	21.312	21.374	VV	15906	495184	3.11%	0.189%
422	21.409	21.374	21.440	VV	15765	528393	3.32%	0.201%
423	21.473	21.440	21.526	VV	13593	571909	3.59%	0.218%
424	21.552	21.526	21.557	VV	10347	179844	1.13%	0.068%
425	21.593	21.557	21.628	VV	13510	507456	3.19%	0.193%
426	21.636	21.628	21.673	VV	11099	249226	1.57%	0.095%
427	21.694	21.673	21.752	VV	7459	315059	1.98%	0.120%
428	21.803	21.752	21.842	VV	7355	337405	2.12%	0.128%
429	21.877	21.842	21.943	VV	24993	682678	4.29%	0.260%
430	21.956	21.943	22.002	VV	3653	115950	0.73%	0.044%
431	22.049	22.002	22.057	VV	4000	110794	0.70%	0.042%
432	22.061	22.057	22.090	VV	4069	66059	0.41%	0.025%
433	22.121	22.090	22.192	VV	4445	140922	0.88%	0.054%

Sum of corrected areas: 262639944

FF102124.M Wed Oct 23 04:21:08 2024

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

LAB CHRONICLE

OrderID:	P4473	**OrderDate:**	10/21/2024 3:15:00 PM
Client:	Yannuzzi Group, Inc.	**Project:**	86 Davidson Road, Piscataway, NJ
Contact:	Rafael Nunez	**Location:**	K61

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4473-01	**TS-1**	**SOIL**			**10/18/24**			**10/21/24**
			Mercury	7471B		10/24/24	10/24/24	
			Metals ICP-TAL	6010D		10/23/24	10/24/24	

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

Hit Summary Sheet
SW-846

SDG No.: P4473 **Order ID:** P4473

Client: Yannuzzi Group, Inc. **Project ID:** 86 Davidson Road, Piscataway, NJ

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TS-1								
P4473-01	TS-1	SOIL	Aluminum	5860		4.64	9.62	mg/Kg
P4473-01	TS-1	SOIL	Arsenic	1.58	J	0.56	1.92	mg/Kg
P4473-01	TS-1	SOIL	Barium	93.7		1.23	9.62	mg/Kg
P4473-01	TS-1	SOIL	Beryllium	0.45	J	0.023	0.58	mg/Kg
P4473-01	TS-1	SOIL	Cadmium	0.63		0.031	0.58	mg/Kg
P4473-01	TS-1	SOIL	Calcium	35000		5.39	192	mg/Kg
P4473-01	TS-1	SOIL	Chromium	20.8		0.10	0.96	mg/Kg
P4473-01	TS-1	SOIL	Cobalt	7.00		0.11	2.89	mg/Kg
P4473-01	TS-1	SOIL	Copper	99.9		0.90	1.92	mg/Kg
P4473-01	TS-1	SOIL	Iron	11300		5.18	9.62	mg/Kg
P4473-01	TS-1	SOIL	Lead	10.5		0.29	1.15	mg/Kg
P4473-01	TS-1	SOIL	Magnesium	7700		6.60	192	mg/Kg
P4473-01	TS-1	SOIL	Manganese	556		0.14	1.92	mg/Kg
P4473-01	TS-1	SOIL	Mercury	0.018	J	0.011	0.026	mg/Kg
P4473-01	TS-1	SOIL	Nickel	20.4		0.17	3.85	mg/Kg
P4473-01	TS-1	SOIL	Potassium	14500		55.2	192	mg/Kg
P4473-01	TS-1	SOIL	Silver	0.28	J	0.10	0.96	mg/Kg
P4473-01	TS-1	SOIL	Sodium	1630		69.5	192	mg/Kg
P4473-01	TS-1	SOIL	Vanadium	18.0		0.52	3.85	mg/Kg
P4473-01	TS-1	SOIL	Zinc	174		0.21	3.85	mg/Kg

SAMPLE DATA

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

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/18/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/21/24
Client Sample ID:	TS-1	SDG No.:	P4473
Lab Sample ID:	P4473-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	48.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5860		1	4.64	9.62	mg/Kg	10/23/24 08:45	10/24/24 14:40	SW6010	SW3050
7440-36-0	Antimony	0.29	U	1	0.29	4.81	mg/Kg	10/23/24 08:45	10/24/24 14:40	SW6010	SW3050
7440-38-2	Arsenic	1.58	J	1	0.56	1.92	mg/Kg	10/23/24 08:45	10/24/24 14:40	SW6010	SW3050
7440-39-3	Barium	93.7	N	1	1.23	9.62	mg/Kg	10/23/24 08:45	10/24/24 14:40	SW6010	SW3050
7440-41-7	Beryllium	0.45	J	1	0.023	0.58	mg/Kg	10/23/24 08:45	10/24/24 14:40	SW6010	SW3050
7440-43-9	Cadmium	0.63		1	0.031	0.58	mg/Kg	10/23/24 08:45	10/24/24 14:40	SW6010	SW3050
7440-70-2	Calcium	35000		1	5.39	192	mg/Kg	10/23/24 08:45	10/24/24 14:40	SW6010	SW3050
7440-47-3	Chromium	20.8		1	0.10	0.96	mg/Kg	10/23/24 08:45	10/24/24 14:40	SW6010	SW3050
7440-48-4	Cobalt	7.00		1	0.11	2.89	mg/Kg	10/23/24 08:45	10/24/24 14:40	SW6010	SW3050
7440-50-8	Copper	99.9		1	0.90	1.92	mg/Kg	10/23/24 08:45	10/24/24 14:40	SW6010	SW3050
7439-89-6	Iron	11300		1	5.18	9.62	mg/Kg	10/23/24 08:45	10/24/24 14:40	SW6010	SW3050
7439-92-1	Lead	10.5		1	0.29	1.15	mg/Kg	10/23/24 08:45	10/24/24 14:40	SW6010	SW3050
7439-95-4	Magnesium	7700		1	6.60	192	mg/Kg	10/23/24 08:45	10/24/24 14:40	SW6010	SW3050
7439-96-5	Manganese	556		1	0.14	1.92	mg/Kg	10/23/24 08:45	10/24/24 14:40	SW6010	SW3050
7439-97-6	Mercury	0.018	J	1	0.011	0.026	mg/Kg	10/24/24 08:15	10/24/24 09:11	SW7471B	
7440-02-0	Nickel	20.4		1	0.17	3.85	mg/Kg	10/23/24 08:45	10/24/24 14:40	SW6010	SW3050
7440-09-7	Potassium	14500		1	55.2	192	mg/Kg	10/23/24 08:45	10/24/24 14:40	SW6010	SW3050
7782-49-2	Selenium	0.64	U	1	0.64	1.92	mg/Kg	10/23/24 08:45	10/24/24 14:40	SW6010	SW3050
7440-22-4	Silver	0.28	J	1	0.10	0.96	mg/Kg	10/23/24 08:45	10/24/24 14:40	SW6010	SW3050
7440-23-5	Sodium	1630	N	1	69.5	192	mg/Kg	10/23/24 08:45	10/24/24 14:40	SW6010	SW3050
7440-28-0	Thallium	0.85	U	1	0.85	3.85	mg/Kg	10/23/24 08:45	10/24/24 14:40	SW6010	SW3050
7440-62-2	Vanadium	18.0		1	0.52	3.85	mg/Kg	10/23/24 08:45	10/24/24 14:40	SW6010	SW3050
7440-66-6	Zinc	174	N	1	0.21	3.85	mg/Kg	10/23/24 08:45	10/24/24 14:40	SW6010	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	N/A
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

METAL CALIBRATION DATA

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Case No.:** P4473 **SAS No.:** P4473

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
ICV50	Mercury	3.82	4.0	96	90 - 110	CV	10/24/2024	08:43	LB133088

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Case No.:** P4473 **SAS No.:** P4473

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
CCV62	Mercury	5.11	5.0	102	90 - 110	CV	10/24/2024	08:47	LB133088
CCV63	Mercury	5.11	5.0	102	90 - 110	CV	10/24/2024	09:20	LB133088
CCV64	Mercury	5.27	5.0	106	90 - 110	CV	10/24/2024	09:53	LB133088
CCV65	Mercury	5.20	5.0	104	90 - 110	CV	10/24/2024	10:24	LB133088

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Case No.:** P4473 **SAS No.:** P4473

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	2480	2500	99	90 - 110	P	10/24/2024	13:26	LB133110
	Antimony	1020	1000	102	90 - 110	P	10/24/2024	13:26	LB133110
	Arsenic	965	1000	96	90 - 110	P	10/24/2024	13:26	LB133110
	Barium	486	520	93	90 - 110	P	10/24/2024	13:26	LB133110
	Beryllium	483	510	95	90 - 110	P	10/24/2024	13:26	LB133110
	Cadmium	481	510	94	90 - 110	P	10/24/2024	13:26	LB133110
	Calcium	9650	10000	96	90 - 110	P	10/24/2024	13:26	LB133110
	Chromium	523	520	101	90 - 110	P	10/24/2024	13:26	LB133110
	Cobalt	520	520	100	90 - 110	P	10/24/2024	13:26	LB133110
	Copper	539	510	106	90 - 110	P	10/24/2024	13:26	LB133110
	Iron	10100	10000	101	90 - 110	P	10/24/2024	13:26	LB133110
	Lead	974	1000	97	90 - 110	P	10/24/2024	13:26	LB133110
	Magnesium	5440	6000	91	90 - 110	P	10/24/2024	13:26	LB133110
	Manganese	490	520	94	90 - 110	P	10/24/2024	13:26	LB133110
	Nickel	523	530	99	90 - 110	P	10/24/2024	13:26	LB133110
	Potassium	10200	9900	102	90 - 110	P	10/24/2024	13:26	LB133110
	Selenium	1000	1000	100	90 - 110	P	10/24/2024	13:26	LB133110
	Silver	264	250	106	90 - 110	P	10/24/2024	13:26	LB133110
	Sodium	9680	10000	97	90 - 110	P	10/24/2024	13:26	LB133110
	Thallium	996	1000	100	90 - 110	P	10/24/2024	13:26	LB133110
	Vanadium	467	500	93	90 - 110	P	10/24/2024	13:26	LB133110
	Zinc	1060	1000	106	90 - 110	P	10/24/2024	13:26	LB133110

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Case No.:** P4473 **SAS No.:** P4473

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	98.7	100	99	80 - 120	P	10/24/2024	13:30	LB133110
	Antimony	52.1	50.0	104	80 - 120	P	10/24/2024	13:30	LB133110
	Arsenic	19.0	20.0	95	80 - 120	P	10/24/2024	13:30	LB133110
	Barium	95.8	100	96	80 - 120	P	10/24/2024	13:30	LB133110
	Beryllium	5.72	6.0	95	80 - 120	P	10/24/2024	13:30	LB133110
	Cadmium	5.61	6.0	94	80 - 120	P	10/24/2024	13:30	LB133110
	Calcium	1950	2000	97	80 - 120	P	10/24/2024	13:30	LB133110
	Chromium	10.0	10.0	100	80 - 120	P	10/24/2024	13:30	LB133110
	Cobalt	30.0	30.0	100	80 - 120	P	10/24/2024	13:30	LB133110
	Copper	22.9	20.0	114	80 - 120	P	10/24/2024	13:30	LB133110
	Iron	106	100	106	80 - 120	P	10/24/2024	13:30	LB133110
	Lead	11.6	12.0	96	80 - 120	P	10/24/2024	13:30	LB133110
	Magnesium	1840	2000	92	80 - 120	P	10/24/2024	13:30	LB133110
	Manganese	20.0	20.0	100	80 - 120	P	10/24/2024	13:30	LB133110
	Nickel	39.5	40.0	99	80 - 120	P	10/24/2024	13:30	LB133110
	Potassium	2040	2000	102	80 - 120	P	10/24/2024	13:30	LB133110
	Selenium	19.0	20.0	95	80 - 120	P	10/24/2024	13:30	LB133110
	Silver	11.0	10.0	110	80 - 120	P	10/24/2024	13:30	LB133110
	Sodium	1910	2000	96	80 - 120	P	10/24/2024	13:30	LB133110
	Thallium	39.2	40.0	98	80 - 120	P	10/24/2024	13:30	LB133110
	Vanadium	35.8	40.0	89	80 - 120	P	10/24/2024	13:30	LB133110
	Zinc	45.9	40.0	115	80 - 120	P	10/24/2024	13:30	LB133110

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Case No.:** P4473 **SAS No.:** P4473

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	9660	10000	97	90 - 110	P	10/24/2024	14:06	LB133110
	Antimony	4980	5000	100	90 - 110	P	10/24/2024	14:06	LB133110
	Arsenic	4950	5000	99	90 - 110	P	10/24/2024	14:06	LB133110
	Barium	9460	10000	95	90 - 110	P	10/24/2024	14:06	LB133110
	Beryllium	238	250	95	90 - 110	P	10/24/2024	14:06	LB133110
	Cadmium	2440	2500	97	90 - 110	P	10/24/2024	14:06	LB133110
	Calcium	23800	25000	95	90 - 110	P	10/24/2024	14:06	LB133110
	Chromium	968	1000	97	90 - 110	P	10/24/2024	14:06	LB133110
	Cobalt	2440	2500	98	90 - 110	P	10/24/2024	14:06	LB133110
	Copper	1250	1250	100	90 - 110	P	10/24/2024	14:06	LB133110
	Iron	4960	5000	99	90 - 110	P	10/24/2024	14:06	LB133110
	Lead	4900	5000	98	90 - 110	P	10/24/2024	14:06	LB133110
	Magnesium	25700	25000	103	90 - 110	P	10/24/2024	14:06	LB133110
	Manganese	2350	2500	94	90 - 110	P	10/24/2024	14:06	LB133110
	Nickel	2450	2500	98	90 - 110	P	10/24/2024	14:06	LB133110
	Potassium	24900	25000	100	90 - 110	P	10/24/2024	14:06	LB133110
	Selenium	5000	5000	100	90 - 110	P	10/24/2024	14:06	LB133110
	Silver	1250	1250	100	90 - 110	P	10/24/2024	14:06	LB133110
	Sodium	24600	25000	98	90 - 110	P	10/24/2024	14:06	LB133110
	Thallium	4850	5000	97	90 - 110	P	10/24/2024	14:06	LB133110
	Vanadium	2330	2500	93	90 - 110	P	10/24/2024	14:06	LB133110
	Zinc	2520	2500	101	90 - 110	P	10/24/2024	14:06	LB133110
CCV02	Aluminum	9760	10000	98	90 - 110	P	10/24/2024	14:53	LB133110
	Antimony	4950	5000	99	90 - 110	P	10/24/2024	14:53	LB133110
	Arsenic	4890	5000	98	90 - 110	P	10/24/2024	14:53	LB133110
	Barium	9450	10000	94	90 - 110	P	10/24/2024	14:53	LB133110
	Beryllium	234	250	94	90 - 110	P	10/24/2024	14:53	LB133110
	Cadmium	2410	2500	96	90 - 110	P	10/24/2024	14:53	LB133110
	Calcium	23900	25000	96	90 - 110	P	10/24/2024	14:53	LB133110
	Chromium	959	1000	96	90 - 110	P	10/24/2024	14:53	LB133110
	Cobalt	2420	2500	97	90 - 110	P	10/24/2024	14:53	LB133110
	Copper	1240	1250	99	90 - 110	P	10/24/2024	14:53	LB133110
	Iron	4970	5000	99	90 - 110	P	10/24/2024	14:53	LB133110
	Lead	4860	5000	97	90 - 110	P	10/24/2024	14:53	LB133110

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Case No.:** P4473 **SAS No.:** P4473

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	25600	25000	102	90 - 110	P	10/24/2024	14:53	LB133110
	Manganese	2340	2500	94	90 - 110	P	10/24/2024	14:53	LB133110
	Nickel	2430	2500	97	90 - 110	P	10/24/2024	14:53	LB133110
	Potassium	25000	25000	100	90 - 110	P	10/24/2024	14:53	LB133110
	Selenium	4950	5000	99	90 - 110	P	10/24/2024	14:53	LB133110
	Silver	1240	1250	99	90 - 110	P	10/24/2024	14:53	LB133110
	Sodium	24600	25000	98	90 - 110	P	10/24/2024	14:53	LB133110
	Thallium	4800	5000	96	90 - 110	P	10/24/2024	14:53	LB133110
	Vanadium	2320	2500	93	90 - 110	P	10/24/2024	14:53	LB133110
	Zinc	2510	2500	100	90 - 110	P	10/24/2024	14:53	LB133110
CCV03	Aluminum	9500	10000	95	90 - 110	P	10/24/2024	15:06	LB133110
	Antimony	4930	5000	99	90 - 110	P	10/24/2024	15:06	LB133110
	Arsenic	4880	5000	98	90 - 110	P	10/24/2024	15:06	LB133110
	Barium	9310	10000	93	90 - 110	P	10/24/2024	15:06	LB133110
	Beryllium	228	250	91	90 - 110	P	10/24/2024	15:06	LB133110
	Cadmium	2400	2500	96	90 - 110	P	10/24/2024	15:06	LB133110
	Calcium	23300	25000	93	90 - 110	P	10/24/2024	15:06	LB133110
	Chromium	961	1000	96	90 - 110	P	10/24/2024	15:06	LB133110
	Cobalt	2410	2500	96	90 - 110	P	10/24/2024	15:06	LB133110
	Copper	1230	1250	98	90 - 110	P	10/24/2024	15:06	LB133110
	Iron	5030	5000	101	90 - 110	P	10/24/2024	15:06	LB133110
	Lead	4830	5000	97	90 - 110	P	10/24/2024	15:06	LB133110
	Magnesium	25100	25000	100	90 - 110	P	10/24/2024	15:06	LB133110
	Manganese	2280	2500	91	90 - 110	P	10/24/2024	15:06	LB133110
	Nickel	2420	2500	97	90 - 110	P	10/24/2024	15:06	LB133110
	Potassium	25400	25000	102	90 - 110	P	10/24/2024	15:06	LB133110
	Selenium	4950	5000	99	90 - 110	P	10/24/2024	15:06	LB133110
	Silver	1240	1250	99	90 - 110	P	10/24/2024	15:06	LB133110
	Sodium	25200	25000	101	90 - 110	P	10/24/2024	15:06	LB133110
	Thallium	4880	5000	98	90 - 110	P	10/24/2024	15:06	LB133110
	Vanadium	2270	2500	91	90 - 110	P	10/24/2024	15:06	LB133110
	Zinc	2510	2500	100	90 - 110	P	10/24/2024	15:06	LB133110
CCV04	Aluminum	9870	10000	99	90 - 110	P	10/24/2024	15:58	LB133110
	Antimony	5100	5000	102	90 - 110	P	10/24/2024	15:58	LB133110

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Case No.:** P4473 **SAS No.:** P4473

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	5050	5000	101	90 - 110	P	10/24/2024	15:58	LB133110
	Barium	9520	10000	95	90 - 110	P	10/24/2024	15:58	LB133110
	Beryllium	233	250	93	90 - 110	P	10/24/2024	15:58	LB133110
	Cadmium	2460	2500	98	90 - 110	P	10/24/2024	15:58	LB133110
	Calcium	23900	25000	96	90 - 110	P	10/24/2024	15:58	LB133110
	Chromium	966	1000	97	90 - 110	P	10/24/2024	15:58	LB133110
	Cobalt	2470	2500	99	90 - 110	P	10/24/2024	15:58	LB133110
	Copper	1270	1250	102	90 - 110	P	10/24/2024	15:58	LB133110
	Iron	4970	5000	100	90 - 110	P	10/24/2024	15:58	LB133110
	Lead	4960	5000	99	90 - 110	P	10/24/2024	15:58	LB133110
	Magnesium	22600	25000	90	90 - 110	P	10/24/2024	15:58	LB133110
	Manganese	2320	2500	93	90 - 110	P	10/24/2024	15:58	LB133110
	Nickel	2480	2500	99	90 - 110	P	10/24/2024	15:58	LB133110
	Potassium	25600	25000	102	90 - 110	P	10/24/2024	15:58	LB133110
	Selenium	5140	5000	103	90 - 110	P	10/24/2024	15:58	LB133110
	Silver	1260	1250	100	90 - 110	P	10/24/2024	15:58	LB133110
	Sodium	25300	25000	101	90 - 110	P	10/24/2024	15:58	LB133110
	Thallium	5000	5000	100	90 - 110	P	10/24/2024	15:58	LB133110
	Vanadium	2310	2500	92	90 - 110	P	10/24/2024	15:58	LB133110
	Zinc	2550	2500	102	90 - 110	P	10/24/2024	15:58	LB133110
CCV05	Aluminum	9590	10000	96	90 - 110	P	10/24/2024	16:55	LB133110
	Antimony	4920	5000	98	90 - 110	P	10/24/2024	16:55	LB133110
	Arsenic	4920	5000	98	90 - 110	P	10/24/2024	16:55	LB133110
	Barium	9440	10000	94	90 - 110	P	10/24/2024	16:55	LB133110
	Beryllium	236	250	94	90 - 110	P	10/24/2024	16:55	LB133110
	Cadmium	2400	2500	96	90 - 110	P	10/24/2024	16:55	LB133110
	Calcium	23400	25000	94	90 - 110	P	10/24/2024	16:55	LB133110
	Chromium	945	1000	94	90 - 110	P	10/24/2024	16:55	LB133110
	Cobalt	2410	2500	96	90 - 110	P	10/24/2024	16:55	LB133110
	Copper	1230	1250	98	90 - 110	P	10/24/2024	16:55	LB133110
	Iron	4690	5000	94	90 - 110	P	10/24/2024	16:55	LB133110
	Lead	4840	5000	97	90 - 110	P	10/24/2024	16:55	LB133110
	Magnesium	26700	25000	107	90 - 110	P	10/24/2024	16:55	LB133110
	Manganese	2360	2500	94	90 - 110	P	10/24/2024	16:55	LB133110

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Case No.:** P4473 **SAS No.:** P4473

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	2420	2500	97	90 - 110	P	10/24/2024	16:55	LB133110
	Potassium	25500	25000	102	90 - 110	P	10/24/2024	16:55	LB133110
	Selenium	5040	5000	101	90 - 110	P	10/24/2024	16:55	LB133110
	Silver	1240	1250	99	90 - 110	P	10/24/2024	16:55	LB133110
	Sodium	24300	25000	97	90 - 110	P	10/24/2024	16:55	LB133110
	Thallium	5380	5000	108	90 - 110	P	10/24/2024	16:55	LB133110
	Vanadium	2570	2500	103	90 - 110	P	10/24/2024	16:55	LB133110
	Zinc	2470	2500	99	90 - 110	P	10/24/2024	16:55	LB133110
CCV06	Aluminum	9670	10000	97	90 - 110	P	10/24/2024	17:46	LB133110
	Antimony	5050	5000	101	90 - 110	P	10/24/2024	17:46	LB133110
	Arsenic	5050	5000	101	90 - 110	P	10/24/2024	17:46	LB133110
	Barium	9490	10000	95	90 - 110	P	10/24/2024	17:46	LB133110
	Beryllium	237	250	95	90 - 110	P	10/24/2024	17:46	LB133110
	Cadmium	2440	2500	98	90 - 110	P	10/24/2024	17:46	LB133110
	Calcium	23400	25000	94	90 - 110	P	10/24/2024	17:46	LB133110
	Chromium	944	1000	94	90 - 110	P	10/24/2024	17:46	LB133110
	Cobalt	2450	2500	98	90 - 110	P	10/24/2024	17:46	LB133110
	Copper	1260	1250	101	90 - 110	P	10/24/2024	17:46	LB133110
	Iron	4660	5000	93	90 - 110	P	10/24/2024	17:46	LB133110
	Lead	4920	5000	98	90 - 110	P	10/24/2024	17:46	LB133110
	Magnesium	24800	25000	99	90 - 110	P	10/24/2024	17:46	LB133110
	Manganese	2400	2500	96	90 - 110	P	10/24/2024	17:46	LB133110
	Nickel	2470	2500	99	90 - 110	P	10/24/2024	17:46	LB133110
	Potassium	25700	25000	103	90 - 110	P	10/24/2024	17:46	LB133110
	Selenium	5170	5000	103	90 - 110	P	10/24/2024	17:46	LB133110
	Silver	1240	1250	99	90 - 110	P	10/24/2024	17:46	LB133110
	Sodium	24700	25000	99	90 - 110	P	10/24/2024	17:46	LB133110
	Thallium	5400	5000	108	90 - 110	P	10/24/2024	17:46	LB133110
	Vanadium	2610	2500	104	90 - 110	P	10/24/2024	17:46	LB133110
	Zinc	2480	2500	99	90 - 110	P	10/24/2024	17:46	LB133110
CCV07	Aluminum	9420	10000	94	90 - 110	P	10/24/2024	18:37	LB133110
	Antimony	4950	5000	99	90 - 110	P	10/24/2024	18:37	LB133110
	Arsenic	4930	5000	99	90 - 110	P	10/24/2024	18:37	LB133110
	Barium	9240	10000	92	90 - 110	P	10/24/2024	18:37	LB133110

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Case No.:** P4473 **SAS No.:** P4473

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
CCV07	Beryllium	236	250	94	90 - 110	P	10/24/2024	18:37	LB133110
	Cadmium	2400	2500	96	90 - 110	P	10/24/2024	18:37	LB133110
	Calcium	23000	25000	92	90 - 110	P	10/24/2024	18:37	LB133110
	Chromium	935	1000	94	90 - 110	P	10/24/2024	18:37	LB133110
	Cobalt	2410	2500	96	90 - 110	P	10/24/2024	18:37	LB133110
	Copper	1230	1250	99	90 - 110	P	10/24/2024	18:37	LB133110
	Iron	4600	5000	92	90 - 110	P	10/24/2024	18:37	LB133110
	Lead	4840	5000	97	90 - 110	P	10/24/2024	18:37	LB133110
	Magnesium	24600	25000	98	90 - 110	P	10/24/2024	18:37	LB133110
	Manganese	2380	2500	95	90 - 110	P	10/24/2024	18:37	LB133110
	Nickel	2430	2500	97	90 - 110	P	10/24/2024	18:37	LB133110
	Potassium	25600	25000	102	90 - 110	P	10/24/2024	18:37	LB133110
	Selenium	5050	5000	101	90 - 110	P	10/24/2024	18:37	LB133110
	Silver	1230	1250	98	90 - 110	P	10/24/2024	18:37	LB133110
	Sodium	24400	25000	98	90 - 110	P	10/24/2024	18:37	LB133110
	Thallium	5340	5000	107	90 - 110	P	10/24/2024	18:37	LB133110
	Vanadium	2560	2500	102	90 - 110	P	10/24/2024	18:37	LB133110
	Zinc	2470	2500	99	90 - 110	P	10/24/2024	18:37	LB133110
CCV08	Aluminum	9530	10000	95	90 - 110	P	10/24/2024	19:32	LB133110
	Antimony	5020	5000	100	90 - 110	P	10/24/2024	19:32	LB133110
	Arsenic	4960	5000	99	90 - 110	P	10/24/2024	19:32	LB133110
	Barium	9320	10000	93	90 - 110	P	10/24/2024	19:32	LB133110
	Beryllium	245	250	98	90 - 110	P	10/24/2024	19:32	LB133110
	Cadmium	2400	2500	96	90 - 110	P	10/24/2024	19:32	LB133110
	Calcium	23200	25000	93	90 - 110	P	10/24/2024	19:32	LB133110
	Chromium	947	1000	95	90 - 110	P	10/24/2024	19:32	LB133110
	Cobalt	2420	2500	97	90 - 110	P	10/24/2024	19:32	LB133110
	Copper	1240	1250	99	90 - 110	P	10/24/2024	19:32	LB133110
	Iron	4760	5000	95	90 - 110	P	10/24/2024	19:32	LB133110
	Lead	4860	5000	97	90 - 110	P	10/24/2024	19:32	LB133110
	Magnesium	25000	25000	100	90 - 110	P	10/24/2024	19:32	LB133110
	Manganese	2440	2500	98	90 - 110	P	10/24/2024	19:32	LB133110
	Nickel	2430	2500	97	90 - 110	P	10/24/2024	19:32	LB133110
	Potassium	27200	25000	109	90 - 110	P	10/24/2024	19:32	LB133110

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

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Case No.:** P4473 **SAS No.:** P4473

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	Selenium	5120	5000	102	90 - 110	P	10/24/2024	19:32	LB133110
	Silver	1260	1250	101	90 - 110	P	10/24/2024	19:32	LB133110
	Sodium	25300	25000	101	90 - 110	P	10/24/2024	19:32	LB133110
	Thallium	5330	5000	107	90 - 110	P	10/24/2024	19:32	LB133110
	Vanadium	2610	2500	105	90 - 110	P	10/24/2024	19:32	LB133110
	Zinc	2530	2500	101	90 - 110	P	10/24/2024	19:32	LB133110
CCV09	Aluminum	9530	10000	95	90 - 110	P	10/24/2024	20:31	LB133110
	Antimony	4960	5000	99	90 - 110	P	10/24/2024	20:31	LB133110
	Arsenic	4950	5000	99	90 - 110	P	10/24/2024	20:31	LB133110
	Barium	9150	10000	92	90 - 110	P	10/24/2024	20:31	LB133110
	Beryllium	238	250	95	90 - 110	P	10/24/2024	20:31	LB133110
	Cadmium	2380	2500	95	90 - 110	P	10/24/2024	20:31	LB133110
	Calcium	22800	25000	91	90 - 110	P	10/24/2024	20:31	LB133110
	Chromium	920	1000	92	90 - 110	P	10/24/2024	20:31	LB133110
	Cobalt	2390	2500	96	90 - 110	P	10/24/2024	20:31	LB133110
	Copper	1230	1250	98	90 - 110	P	10/24/2024	20:31	LB133110
	Iron	4550	5000	91	90 - 110	P	10/24/2024	20:31	LB133110
	Lead	4810	5000	96	90 - 110	P	10/24/2024	20:31	LB133110
	Magnesium	24700	25000	99	90 - 110	P	10/24/2024	20:31	LB133110
	Manganese	2420	2500	97	90 - 110	P	10/24/2024	20:31	LB133110
	Nickel	2410	2500	96	90 - 110	P	10/24/2024	20:31	LB133110
	Potassium	25500	25000	102	90 - 110	P	10/24/2024	20:31	LB133110
	Selenium	5090	5000	102	90 - 110	P	10/24/2024	20:31	LB133110
	Silver	1220	1250	98	90 - 110	P	10/24/2024	20:31	LB133110
	Sodium	23000	25000	92	90 - 110	P	10/24/2024	20:31	LB133110
	Thallium	5280	5000	106	90 - 110	P	10/24/2024	20:31	LB133110
	Vanadium	2690	2500	108	90 - 110	P	10/24/2024	20:31	LB133110
	Zinc	2450	2500	98	90 - 110	P	10/24/2024	20:31	LB133110
CCV10	Aluminum	9590	10000	96	90 - 110	P	10/24/2024	21:22	LB133110
	Antimony	5110	5000	102	90 - 110	P	10/24/2024	21:22	LB133110
	Arsenic	5070	5000	101	90 - 110	P	10/24/2024	21:22	LB133110
	Barium	9340	10000	93	90 - 110	P	10/24/2024	21:22	LB133110
	Beryllium	241	250	96	90 - 110	P	10/24/2024	21:22	LB133110
	Cadmium	2460	2500	98	90 - 110	P	10/24/2024	21:22	LB133110

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Case No.:** P4473 **SAS No.:** P4473

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV10	Calcium	23300	25000	93	90 - 110	P	10/24/2024	21:22	LB133110
	Chromium	943	1000	94	90 - 110	P	10/24/2024	21:22	LB133110
	Cobalt	2470	2500	99	90 - 110	P	10/24/2024	21:22	LB133110
	Copper	1260	1250	101	90 - 110	P	10/24/2024	21:22	LB133110
	Iron	4630	5000	93	90 - 110	P	10/24/2024	21:22	LB133110
	Lead	4950	5000	99	90 - 110	P	10/24/2024	21:22	LB133110
	Magnesium	25400	25000	102	90 - 110	P	10/24/2024	21:22	LB133110
	Manganese	2480	2500	99	90 - 110	P	10/24/2024	21:22	LB133110
	Nickel	2490	2500	99	90 - 110	P	10/24/2024	21:22	LB133110
	Potassium	26100	25000	104	90 - 110	P	10/24/2024	21:22	LB133110
	Selenium	5190	5000	104	90 - 110	P	10/24/2024	21:22	LB133110
	Silver	1240	1250	99	90 - 110	P	10/24/2024	21:22	LB133110
	Sodium	23800	25000	95	90 - 110	P	10/24/2024	21:22	LB133110
	Thallium	5340	5000	107	90 - 110	P	10/24/2024	21:22	LB133110
	Vanadium	2670	2500	107	90 - 110	P	10/24/2024	21:22	LB133110
	Zinc	2510	2500	100	90 - 110	P	10/24/2024	21:22	LB133110
CCV11	Aluminum	10300	10000	103	90 - 110	P	10/24/2024	22:15	LB133110
	Antimony	5360	5000	107	90 - 110	P	10/24/2024	22:15	LB133110
	Arsenic	5320	5000	106	90 - 110	P	10/24/2024	22:15	LB133110
	Barium	10100	10000	101	90 - 110	P	10/24/2024	22:15	LB133110
	Beryllium	256	250	102	90 - 110	P	10/24/2024	22:15	LB133110
	Cadmium	2570	2500	103	90 - 110	P	10/24/2024	22:15	LB133110
	Calcium	25000	25000	100	90 - 110	P	10/24/2024	22:15	LB133110
	Chromium	995	1000	100	90 - 110	P	10/24/2024	22:15	LB133110
	Cobalt	2590	2500	103	90 - 110	P	10/24/2024	22:15	LB133110
	Copper	1330	1250	106	90 - 110	P	10/24/2024	22:15	LB133110
	Iron	4890	5000	98	90 - 110	P	10/24/2024	22:15	LB133110
	Lead	5170	5000	103	90 - 110	P	10/24/2024	22:15	LB133110
	Magnesium	23500	25000	94	90 - 110	P	10/24/2024	22:15	LB133110
	Manganese	2410	2500	96	90 - 110	P	10/24/2024	22:15	LB133110
	Nickel	2610	2500	104	90 - 110	P	10/24/2024	22:15	LB133110
	Potassium	25100	25000	100	90 - 110	P	10/24/2024	22:15	LB133110
	Selenium	5440	5000	109	90 - 110	P	10/24/2024	22:15	LB133110
	Silver	1300	1250	104	90 - 110	P	10/24/2024	22:15	LB133110

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Case No.:** P4473 **SAS No.:** P4473

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	Sodium	23100	25000	93	90 - 110	P	10/24/2024	22:15	LB133110
	Thallium	5040	5000	101	90 - 110	P	10/24/2024	22:15	LB133110
	Vanadium	2400	2500	96	90 - 110	P	10/24/2024	22:15	LB133110
	Zinc	2640	2500	106	90 - 110	P	10/24/2024	22:15	LB133110
CCV12	Aluminum	9530	10000	95	90 - 110	P	10/24/2024	23:09	LB133110
	Antimony	5030	5000	101	90 - 110	P	10/24/2024	23:09	LB133110
	Arsenic	4970	5000	100	90 - 110	P	10/24/2024	23:09	LB133110
	Barium	9220	10000	92	90 - 110	P	10/24/2024	23:09	LB133110
	Beryllium	237	250	95	90 - 110	P	10/24/2024	23:09	LB133110
	Cadmium	2400	2500	96	90 - 110	P	10/24/2024	23:09	LB133110
	Calcium	23100	25000	92	90 - 110	P	10/24/2024	23:09	LB133110
	Chromium	921	1000	92	90 - 110	P	10/24/2024	23:09	LB133110
	Cobalt	2410	2500	96	90 - 110	P	10/24/2024	23:09	LB133110
	Copper	1230	1250	99	90 - 110	P	10/24/2024	23:09	LB133110
	Iron	4550	5000	91	90 - 110	P	10/24/2024	23:09	LB133110
	Lead	4840	5000	97	90 - 110	P	10/24/2024	23:09	LB133110
	Magnesium	25400	25000	102	90 - 110	P	10/24/2024	23:09	LB133110
	Manganese	2480	2500	99	90 - 110	P	10/24/2024	23:09	LB133110
	Nickel	2430	2500	97	90 - 110	P	10/24/2024	23:09	LB133110
	Potassium	25600	25000	102	90 - 110	P	10/24/2024	23:09	LB133110
	Selenium	5120	5000	102	90 - 110	P	10/24/2024	23:09	LB133110
	Silver	1220	1250	98	90 - 110	P	10/24/2024	23:09	LB133110
	Sodium	23400	25000	94	90 - 110	P	10/24/2024	23:09	LB133110
	Thallium	5340	5000	107	90 - 110	P	10/24/2024	23:09	LB133110
	Vanadium	2640	2500	106	90 - 110	P	10/24/2024	23:09	LB133110
	Zinc	2470	2500	99	90 - 110	P	10/24/2024	23:09	LB133110
CCV13	Aluminum	9320	10000	93	90 - 110	P	10/24/2024	23:58	LB133110
	Antimony	4910	5000	98	90 - 110	P	10/24/2024	23:58	LB133110
	Arsenic	4850	5000	97	90 - 110	P	10/24/2024	23:58	LB133110
	Barium	9180	10000	92	90 - 110	P	10/24/2024	23:58	LB133110
	Beryllium	228	250	91	90 - 110	P	10/24/2024	23:58	LB133110
	Cadmium	2300	2500	92	90 - 110	P	10/24/2024	23:58	LB133110
	Calcium	27200	25000	109	90 - 110	P	10/24/2024	23:58	LB133110
	Chromium	903	1000	90	90 - 110	P	10/24/2024	23:58	LB133110

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Case No.:** P4473 **SAS No.:** P4473

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
CCV13	Cobalt	2320	2500	93	90 - 110	P	10/24/2024	23:58	LB133110
	Copper	1200	1250	96	90 - 110	P	10/24/2024	23:58	LB133110
	Iron	5460	5000	109	90 - 110	P	10/24/2024	23:58	LB133110
	Lead	4660	5000	93	90 - 110	P	10/24/2024	23:58	LB133110
	Magnesium	24500	25000	98	90 - 110	P	10/24/2024	23:58	LB133110
	Manganese	2670	2500	107	90 - 110	P	10/24/2024	23:58	LB133110
	Nickel	2340	2500	94	90 - 110	P	10/24/2024	23:58	LB133110
	Potassium	25300	25000	101	90 - 110	P	10/24/2024	23:58	LB133110
	Selenium	5010	5000	100	90 - 110	P	10/24/2024	23:58	LB133110
	Silver	1180	1250	95	90 - 110	P	10/24/2024	23:58	LB133110
	Sodium	23200	25000	93	90 - 110	P	10/24/2024	23:58	LB133110
	Thallium	5100	5000	102	90 - 110	P	10/24/2024	23:58	LB133110
	Vanadium	2670	2500	107	90 - 110	P	10/24/2024	23:58	LB133110
	Zinc	2400	2500	96	90 - 110	P	10/24/2024	23:58	LB133110
CCV14	Aluminum	9700	10000	97	90 - 110	P	10/25/2024	00:52	LB133110
	Antimony	5110	5000	102	90 - 110	P	10/25/2024	00:52	LB133110
	Arsenic	5070	5000	101	90 - 110	P	10/25/2024	00:52	LB133110
	Barium	9300	10000	93	90 - 110	P	10/25/2024	00:52	LB133110
	Beryllium	241	250	96	90 - 110	P	10/25/2024	00:52	LB133110
	Cadmium	2430	2500	97	90 - 110	P	10/25/2024	00:52	LB133110
	Calcium	23500	25000	94	90 - 110	P	10/25/2024	00:52	LB133110
	Chromium	927	1000	93	90 - 110	P	10/25/2024	00:52	LB133110
	Cobalt	2440	2500	98	90 - 110	P	10/25/2024	00:52	LB133110
	Copper	1260	1250	101	90 - 110	P	10/25/2024	00:52	LB133110
	Iron	4600	5000	92	90 - 110	P	10/25/2024	00:52	LB133110
	Lead	4900	5000	98	90 - 110	P	10/25/2024	00:52	LB133110
	Magnesium	25700	25000	103	90 - 110	P	10/25/2024	00:52	LB133110
	Manganese	2520	2500	101	90 - 110	P	10/25/2024	00:52	LB133110
	Nickel	2470	2500	99	90 - 110	P	10/25/2024	00:52	LB133110
	Potassium	25800	25000	103	90 - 110	P	10/25/2024	00:52	LB133110
	Selenium	5210	5000	104	90 - 110	P	10/25/2024	00:52	LB133110
	Silver	1230	1250	99	90 - 110	P	10/25/2024	00:52	LB133110
	Sodium	23200	25000	93	90 - 110	P	10/25/2024	00:52	LB133110
	Thallium	5410	5000	108	90 - 110	P	10/25/2024	00:52	LB133110

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Fax : 908 789 8922

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Case No.:** P4473 **SAS No.:** P4473

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
CCV14	Vanadium	2680	2500	107	90 - 110	P	10/25/2024	00:52	LB133110
	Zinc	2500	2500	100	90 - 110	P	10/25/2024	00:52	LB133110
CCV15	Aluminum	9430	10000	94	90 - 110	P	10/25/2024	01:45	LB133110
	Antimony	4920	5000	98	90 - 110	P	10/25/2024	01:45	LB133110
	Arsenic	4890	5000	98	90 - 110	P	10/25/2024	01:45	LB133110
	Barium	9100	10000	91	90 - 110	P	10/25/2024	01:45	LB133110
	Beryllium	238	250	95	90 - 110	P	10/25/2024	01:45	LB133110
	Cadmium	2390	2500	96	90 - 110	P	10/25/2024	01:45	LB133110
	Calcium	23000	25000	92	90 - 110	P	10/25/2024	01:45	LB133110
	Chromium	926	1000	93	90 - 110	P	10/25/2024	01:45	LB133110
	Cobalt	2390	2500	96	90 - 110	P	10/25/2024	01:45	LB133110
	Copper	1220	1250	98	90 - 110	P	10/25/2024	01:45	LB133110
	Iron	4510	5000	90	90 - 110	P	10/25/2024	01:45	LB133110
	Lead	4800	5000	96	90 - 110	P	10/25/2024	01:45	LB133110
	Magnesium	25400	25000	101	90 - 110	P	10/25/2024	01:45	LB133110
	Manganese	2470	2500	99	90 - 110	P	10/25/2024	01:45	LB133110
	Nickel	2420	2500	97	90 - 110	P	10/25/2024	01:45	LB133110
	Potassium	25200	25000	101	90 - 110	P	10/25/2024	01:45	LB133110
	Selenium	5000	5000	100	90 - 110	P	10/25/2024	01:45	LB133110
	Silver	1210	1250	97	90 - 110	P	10/25/2024	01:45	LB133110
	Sodium	22700	25000	91	90 - 110	P	10/25/2024	01:45	LB133110
	Thallium	5160	5000	103	90 - 110	P	10/25/2024	01:45	LB133110
	Vanadium	2640	2500	106	90 - 110	P	10/25/2024	01:45	LB133110
	Zinc	2440	2500	97	90 - 110	P	10/25/2024	01:45	LB133110
CCV16	Aluminum	9310	10000	93	90 - 110	P	10/25/2024	02:44	LB133110
	Antimony	4990	5000	100	90 - 110	P	10/25/2024	02:44	LB133110
	Arsenic	4970	5000	99	90 - 110	P	10/25/2024	02:44	LB133110
	Barium	9010	10000	90	90 - 110	P	10/25/2024	02:44	LB133110
	Beryllium	236	250	94	90 - 110	P	10/25/2024	02:44	LB133110
	Cadmium	2430	2500	97	90 - 110	P	10/25/2024	02:44	LB133110
	Calcium	22900	25000	91	90 - 110	P	10/25/2024	02:44	LB133110
	Chromium	913	1000	91	90 - 110	P	10/25/2024	02:44	LB133110
	Cobalt	2430	2500	97	90 - 110	P	10/25/2024	02:44	LB133110
	Copper	1230	1250	99	90 - 110	P	10/25/2024	02:44	LB133110

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Case No.:** P4473 **SAS No.:** P4473

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
CCV16	Iron	5000	5000	100	90 - 110	P	10/25/2024	02:44	LB133110
	Lead	4870	5000	97	90 - 110	P	10/25/2024	02:44	LB133110
	Magnesium	25400	25000	102	90 - 110	P	10/25/2024	02:44	LB133110
	Manganese	2720	2500	109	90 - 110	P	10/25/2024	02:44	LB133110
	Nickel	2460	2500	98	90 - 110	P	10/25/2024	02:44	LB133110
	Potassium	24700	25000	99	90 - 110	P	10/25/2024	02:44	LB133110
	Selenium	5070	5000	102	90 - 110	P	10/25/2024	02:44	LB133110
	Silver	1190	1250	96	90 - 110	P	10/25/2024	02:44	LB133110
	Sodium	22700	25000	91	90 - 110	P	10/25/2024	02:44	LB133110
	Thallium	5300	5000	106	90 - 110	P	10/25/2024	02:44	LB133110
	Vanadium	2740	2500	110	90 - 110	P	10/25/2024	02:44	LB133110
	Zinc	2410	2500	96	90 - 110	P	10/25/2024	02:44	LB133110

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- 2b -
CRDL STANDARD FOR AA & ICP

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Case No.:** P4473 **SAS No.:** P4473

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	0.18	0.2	88	40 - 160	CV	10/24/2024	08:52	LB133088
CRI01	Aluminum	100	100	100	40 - 160	P	10/24/2024	13:38	LB133110
	Antimony	51.1	50.0	102	40 - 160	P	10/24/2024	13:38	LB133110
	Arsenic	19.7	20.0	98	40 - 160	P	10/24/2024	13:38	LB133110
	Barium	94.3	100	94	40 - 160	P	10/24/2024	13:38	LB133110
	Beryllium	5.58	6.0	93	40 - 160	P	10/24/2024	13:38	LB133110
	Cadmium	5.58	6.0	93	40 - 160	P	10/24/2024	13:38	LB133110
	Calcium	1920	2000	96	40 - 160	P	10/24/2024	13:38	LB133110
	Chromium	9.95	10.0	100	40 - 160	P	10/24/2024	13:38	LB133110
	Cobalt	29.3	30.0	98	40 - 160	P	10/24/2024	13:38	LB133110
	Copper	22.1	20.0	110	40 - 160	P	10/24/2024	13:38	LB133110
	Iron	102	100	102	40 - 160	P	10/24/2024	13:38	LB133110
	Lead	11.7	12.0	97	40 - 160	P	10/24/2024	13:38	LB133110
	Magnesium	1850	2000	93	40 - 160	P	10/24/2024	13:38	LB133110
	Manganese	19.3	20.0	96	40 - 160	P	10/24/2024	13:38	LB133110
	Nickel	38.8	40.0	97	40 - 160	P	10/24/2024	13:38	LB133110
	Potassium	1970	2000	98	40 - 160	P	10/24/2024	13:38	LB133110
	Selenium	17.8	20.0	89	40 - 160	P	10/24/2024	13:38	LB133110
	Silver	10.6	10.0	106	40 - 160	P	10/24/2024	13:38	LB133110
	Sodium	1860	2000	93	40 - 160	P	10/24/2024	13:38	LB133110
	Thallium	39.2	40.0	98	40 - 160	P	10/24/2024	13:38	LB133110
	Vanadium	34.7	40.0	87	40 - 160	P	10/24/2024	13:38	LB133110
	Zinc	44.4	40.0	111	40 - 160	P	10/24/2024	13:38	LB133110

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Case No.:** P4473 **SAS No.:** P4473

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB50	Mercury	0	+/-0	U	0	CV	10/24/2024	08:45	LB133088

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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Case No.:** P4473 **SAS No.:** P4473

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB62	Mercury	0	+/-0	U	0	CV	10/24/2024	08:50	LB133088
CCB63	Mercury	0	+/-0	U	0	CV	10/24/2024	09:22	LB133088
CCB64	Mercury	0	+/-0	U	0	CV	10/24/2024	09:55	LB133088
CCB65	Mercury	0	+/-0	U	0	CV	10/24/2024	10:26	LB133088

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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Case No.:** P4473 **SAS No.:** P4473

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	10/24/2024	13:34	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/24/2024	13:34	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/24/2024	13:34	LB133110
	Barium	100	+/-100	U	100	P	10/24/2024	13:34	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/24/2024	13:34	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/24/2024	13:34	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/24/2024	13:34	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/24/2024	13:34	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/24/2024	13:34	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/24/2024	13:34	LB133110
	Iron	100	+/-100	U	100	P	10/24/2024	13:34	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/24/2024	13:34	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/24/2024	13:34	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/24/2024	13:34	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/24/2024	13:34	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/24/2024	13:34	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/24/2024	13:34	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	13:34	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/24/2024	13:34	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/24/2024	13:34	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/24/2024	13:34	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/24/2024	13:34	LB133110

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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Case No.:** P4473 **SAS No.:** P4473

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	10/24/2024	14:11	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/24/2024	14:11	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/24/2024	14:11	LB133110
	Barium	100	+/-100	U	100	P	10/24/2024	14:11	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/24/2024	14:11	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/24/2024	14:11	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/24/2024	14:11	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/24/2024	14:11	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/24/2024	14:11	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/24/2024	14:11	LB133110
	Iron	100	+/-100	U	100	P	10/24/2024	14:11	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/24/2024	14:11	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/24/2024	14:11	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/24/2024	14:11	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/24/2024	14:11	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/24/2024	14:11	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/24/2024	14:11	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	14:11	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/24/2024	14:11	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/24/2024	14:11	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/24/2024	14:11	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/24/2024	14:11	LB133110
CCB02	Aluminum	100	+/-100	U	100	P	10/24/2024	14:57	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/24/2024	14:57	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/24/2024	14:57	LB133110
	Barium	100	+/-100	U	100	P	10/24/2024	14:57	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/24/2024	14:57	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/24/2024	14:57	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/24/2024	14:57	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/24/2024	14:57	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/24/2024	14:57	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/24/2024	14:57	LB133110
	Iron	100	+/-100	U	100	P	10/24/2024	14:57	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/24/2024	14:57	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/24/2024	14:57	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/24/2024	14:57	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/24/2024	14:57	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/24/2024	14:57	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/24/2024	14:57	LB133110

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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Case No.:** P4473 **SAS No.:** P4473

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	14:57	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/24/2024	14:57	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/24/2024	14:57	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/24/2024	14:57	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/24/2024	14:57	LB133110
CCB03	Aluminum	100	+/-100	U	100	P	10/24/2024	15:12	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/24/2024	15:12	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/24/2024	15:12	LB133110
	Barium	100	+/-100	U	100	P	10/24/2024	15:12	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/24/2024	15:12	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/24/2024	15:12	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/24/2024	15:12	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/24/2024	15:12	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/24/2024	15:12	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/24/2024	15:12	LB133110
	Iron	100	+/-100	U	100	P	10/24/2024	15:12	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/24/2024	15:12	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/24/2024	15:12	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/24/2024	15:12	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/24/2024	15:12	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/24/2024	15:12	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/24/2024	15:12	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	15:12	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/24/2024	15:12	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/24/2024	15:12	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/24/2024	15:12	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/24/2024	15:12	LB133110
CCB04	Aluminum	100	+/-100	U	100	P	10/24/2024	16:02	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/24/2024	16:02	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/24/2024	16:02	LB133110
	Barium	100	+/-100	U	100	P	10/24/2024	16:02	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/24/2024	16:02	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/24/2024	16:02	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/24/2024	16:02	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/24/2024	16:02	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/24/2024	16:02	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/24/2024	16:02	LB133110
	Iron	100	+/-100	U	100	P	10/24/2024	16:02	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/24/2024	16:02	LB133110

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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Case No.:** P4473 **SAS No.:** P4473

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	2000	+/-2000	U	2000	P	10/24/2024	16:02	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/24/2024	16:02	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/24/2024	16:02	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/24/2024	16:02	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/24/2024	16:02	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	16:02	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/24/2024	16:02	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/24/2024	16:02	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/24/2024	16:02	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/24/2024	16:02	LB133110
CCB05	Aluminum	100	+/-100	U	100	P	10/24/2024	16:59	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/24/2024	16:59	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/24/2024	16:59	LB133110
	Barium	100	+/-100	U	100	P	10/24/2024	16:59	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/24/2024	16:59	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/24/2024	16:59	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/24/2024	16:59	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/24/2024	16:59	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/24/2024	16:59	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/24/2024	16:59	LB133110
	Iron	100	+/-100	U	100	P	10/24/2024	16:59	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/24/2024	16:59	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/24/2024	16:59	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/24/2024	16:59	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/24/2024	16:59	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/24/2024	16:59	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/24/2024	16:59	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	16:59	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/24/2024	16:59	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/24/2024	16:59	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/24/2024	16:59	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/24/2024	16:59	LB133110
CCB06	Aluminum	100	+/-100	U	100	P	10/24/2024	17:50	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/24/2024	17:50	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/24/2024	17:50	LB133110
	Barium	100	+/-100	U	100	P	10/24/2024	17:50	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/24/2024	17:50	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/24/2024	17:50	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/24/2024	17:50	LB133110

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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Case No.:** P4473 **SAS No.:** P4473

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	10.0	+/-10.0	U	10.0	P	10/24/2024	17:50	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/24/2024	17:50	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/24/2024	17:50	LB133110
	Iron	100	+/-100	U	100	P	10/24/2024	17:50	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/24/2024	17:50	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/24/2024	17:50	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/24/2024	17:50	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/24/2024	17:50	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/24/2024	17:50	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/24/2024	17:50	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	17:50	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/24/2024	17:50	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/24/2024	17:50	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/24/2024	17:50	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/24/2024	17:50	LB133110
CCB07	Aluminum	100	+/-100	U	100	P	10/24/2024	18:41	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/24/2024	18:41	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/24/2024	18:41	LB133110
	Barium	100	+/-100	U	100	P	10/24/2024	18:41	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/24/2024	18:41	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/24/2024	18:41	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/24/2024	18:41	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/24/2024	18:41	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/24/2024	18:41	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/24/2024	18:41	LB133110
	Iron	100	+/-100	U	100	P	10/24/2024	18:41	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/24/2024	18:41	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/24/2024	18:41	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/24/2024	18:41	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/24/2024	18:41	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/24/2024	18:41	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/24/2024	18:41	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	18:41	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/24/2024	18:41	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/24/2024	18:41	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/24/2024	18:41	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/24/2024	18:41	LB133110
CCB08	Aluminum	100	+/-100	U	100	P	10/24/2024	19:45	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/24/2024	19:45	LB133110

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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Case No.:** P4473 **SAS No.:** P4473

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Arsenic	20.0	+/-20.0	U	20.0	P	10/24/2024	19:45	LB133110
	Barium	100	+/-100	U	100	P	10/24/2024	19:45	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/24/2024	19:45	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/24/2024	19:45	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/24/2024	19:45	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/24/2024	19:45	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/24/2024	19:45	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/24/2024	19:45	LB133110
	Iron	100	+/-100	U	100	P	10/24/2024	19:45	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/24/2024	19:45	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/24/2024	19:45	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/24/2024	19:45	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/24/2024	19:45	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/24/2024	19:45	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/24/2024	19:45	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	19:45	LB133110
	Sodium	908	+/-2000	J	2000	P	10/24/2024	19:45	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/24/2024	19:45	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/24/2024	19:45	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/24/2024	19:45	LB133110
CCB09	Aluminum	100	+/-100	U	100	P	10/24/2024	20:36	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/24/2024	20:36	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/24/2024	20:36	LB133110
	Barium	100	+/-100	U	100	P	10/24/2024	20:36	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/24/2024	20:36	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/24/2024	20:36	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/24/2024	20:36	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/24/2024	20:36	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/24/2024	20:36	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/24/2024	20:36	LB133110
	Iron	100	+/-100	U	100	P	10/24/2024	20:36	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/24/2024	20:36	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/24/2024	20:36	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/24/2024	20:36	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/24/2024	20:36	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/24/2024	20:36	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/24/2024	20:36	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	20:36	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/24/2024	20:36	LB133110

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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Case No.:** P4473 **SAS No.:** P4473

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB09	Thallium	40.0	+/-40.0	U	40.0	P	10/24/2024	20:36	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/24/2024	20:36	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/24/2024	20:36	LB133110
CCB10	Aluminum	100	+/-100	U	100	P	10/24/2024	21:28	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/24/2024	21:28	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/24/2024	21:28	LB133110
	Barium	100	+/-100	U	100	P	10/24/2024	21:28	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/24/2024	21:28	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/24/2024	21:28	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/24/2024	21:28	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/24/2024	21:28	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/24/2024	21:28	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/24/2024	21:28	LB133110
	Iron	100	+/-100	U	100	P	10/24/2024	21:28	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/24/2024	21:28	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/24/2024	21:28	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/24/2024	21:28	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/24/2024	21:28	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/24/2024	21:28	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/24/2024	21:28	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	21:28	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/24/2024	21:28	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/24/2024	21:28	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/24/2024	21:28	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/24/2024	21:28	LB133110
CCB11	Aluminum	100	+/-100	U	100	P	10/24/2024	22:20	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/24/2024	22:20	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/24/2024	22:20	LB133110
	Barium	100	+/-100	U	100	P	10/24/2024	22:20	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/24/2024	22:20	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/24/2024	22:20	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/24/2024	22:20	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/24/2024	22:20	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/24/2024	22:20	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/24/2024	22:20	LB133110
	Iron	100	+/-100	U	100	P	10/24/2024	22:20	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/24/2024	22:20	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/24/2024	22:20	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/24/2024	22:20	LB133110

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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Case No.:** P4473 **SAS No.:** P4473

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB11	Nickel	40.0	+/-40.0	U	40.0	P	10/24/2024	22:20	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/24/2024	22:20	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/24/2024	22:20	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	22:20	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/24/2024	22:20	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/24/2024	22:20	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/24/2024	22:20	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/24/2024	22:20	LB133110
CCB12	Aluminum	100	+/-100	U	100	P	10/24/2024	23:13	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/24/2024	23:13	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/24/2024	23:13	LB133110
	Barium	100	+/-100	U	100	P	10/24/2024	23:13	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/24/2024	23:13	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/24/2024	23:13	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/24/2024	23:13	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/24/2024	23:13	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/24/2024	23:13	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/24/2024	23:13	LB133110
	Iron	100	+/-100	U	100	P	10/24/2024	23:13	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/24/2024	23:13	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/24/2024	23:13	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/24/2024	23:13	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/24/2024	23:13	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/24/2024	23:13	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/24/2024	23:13	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	23:13	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/24/2024	23:13	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/24/2024	23:13	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/24/2024	23:13	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/24/2024	23:13	LB133110
CCB13	Aluminum	100	+/-100	U	100	P	10/25/2024	00:02	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/25/2024	00:02	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/25/2024	00:02	LB133110
	Barium	100	+/-100	U	100	P	10/25/2024	00:02	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/25/2024	00:02	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/25/2024	00:02	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/25/2024	00:02	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/25/2024	00:02	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/25/2024	00:02	LB133110

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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Case No.:** P4473 **SAS No.:** P4473

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB13	Copper	20.0	+/-20.0	U	20.0	P	10/25/2024	00:02	LB133110
	Iron	100	+/-100	U	100	P	10/25/2024	00:02	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/25/2024	00:02	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/25/2024	00:02	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/25/2024	00:02	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/25/2024	00:02	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/25/2024	00:02	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/25/2024	00:02	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/25/2024	00:02	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/25/2024	00:02	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/25/2024	00:02	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/25/2024	00:02	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/25/2024	00:02	LB133110
CCB14	Aluminum	100	+/-100	U	100	P	10/25/2024	00:56	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/25/2024	00:56	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/25/2024	00:56	LB133110
	Barium	100	+/-100	U	100	P	10/25/2024	00:56	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/25/2024	00:56	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/25/2024	00:56	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/25/2024	00:56	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/25/2024	00:56	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/25/2024	00:56	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/25/2024	00:56	LB133110
	Iron	100	+/-100	U	100	P	10/25/2024	00:56	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/25/2024	00:56	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/25/2024	00:56	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/25/2024	00:56	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/25/2024	00:56	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/25/2024	00:56	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/25/2024	00:56	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/25/2024	00:56	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/25/2024	00:56	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/25/2024	00:56	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/25/2024	00:56	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/25/2024	00:56	LB133110
CCB15	Aluminum	100	+/-100	U	100	P	10/25/2024	01:50	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/25/2024	01:50	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/25/2024	01:50	LB133110
	Barium	100	+/-100	U	100	P	10/25/2024	01:50	LB133110

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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Case No.:** P4473 **SAS No.:** P4473

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB15	Beryllium	6.00	+/-6.00	U	6.00	P	10/25/2024	01:50	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/25/2024	01:50	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/25/2024	01:50	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/25/2024	01:50	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/25/2024	01:50	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/25/2024	01:50	LB133110
	Iron	100	+/-100	U	100	P	10/25/2024	01:50	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/25/2024	01:50	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/25/2024	01:50	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/25/2024	01:50	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/25/2024	01:50	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/25/2024	01:50	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/25/2024	01:50	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/25/2024	01:50	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/25/2024	01:50	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/25/2024	01:50	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/25/2024	01:50	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/25/2024	01:50	LB133110
CCB16	Aluminum	100	+/-100	U	100	P	10/25/2024	02:48	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/25/2024	02:48	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/25/2024	02:48	LB133110
	Barium	100	+/-100	U	100	P	10/25/2024	02:48	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/25/2024	02:48	LB133110
	Cadmium	0.30	+/-6.00	J	6.00	P	10/25/2024	02:48	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/25/2024	02:48	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/25/2024	02:48	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/25/2024	02:48	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/25/2024	02:48	LB133110
	Iron	100	+/-100	U	100	P	10/25/2024	02:48	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/25/2024	02:48	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/25/2024	02:48	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/25/2024	02:48	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/25/2024	02:48	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/25/2024	02:48	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/25/2024	02:48	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/25/2024	02:48	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/25/2024	02:48	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/25/2024	02:48	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/25/2024	02:48	LB133110

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Case No.:** P4473 **SAS No.:** P4473

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB16	Zinc	40.0	+/-40.0	U	40.0	P	10/25/2024	02:48	LB133110

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB164361BL		**SOLID**		**Batch Number:**	**PB164361**		**Prep Date:**	**10/24/2024**	
	Mercury	0.013	<0.013	U	0.013	CV	10/24/2024	09:01	LB133088

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB164320BL		**SOLID**		**Batch Number:**	**PB164320**		**Prep Date:**	**10/23/2024**	
	Aluminum	4.50	<4.50	U	4.50	P	10/24/2024	15:49	LB133110
	Antimony	2.25	<2.25	U	2.25	P	10/24/2024	15:49	LB133110
	Arsenic	0.90	<0.90	U	0.90	P	10/24/2024	15:49	LB133110
	Barium	4.50	<4.50	U	4.50	P	10/24/2024	15:49	LB133110
	Beryllium	0.27	<0.27	U	0.27	P	10/24/2024	15:49	LB133110
	Cadmium	0.27	<0.27	U	0.27	P	10/24/2024	15:49	LB133110
	Calcium	90.1	<90.1	U	90.1	P	10/24/2024	15:49	LB133110
	Chromium	0.45	<0.45	U	0.45	P	10/24/2024	15:49	LB133110
	Cobalt	1.35	<1.35	U	1.35	P	10/24/2024	15:49	LB133110
	Copper	0.90	<0.90	U	0.90	P	10/24/2024	15:49	LB133110
	Iron	4.50	<4.50	U	4.50	P	10/24/2024	15:49	LB133110
	Lead	0.54	<0.54	U	0.54	P	10/24/2024	15:49	LB133110
	Magnesium	90.1	<90.1	U	90.1	P	10/24/2024	15:49	LB133110
	Manganese	0.90	<0.90	U	0.90	P	10/24/2024	15:49	LB133110
	Nickel	1.80	<1.80	U	1.80	P	10/24/2024	15:49	LB133110
	Potassium	90.1	<90.1	U	90.1	P	10/24/2024	15:49	LB133110
	Selenium	0.90	<0.90	U	0.90	P	10/24/2024	15:49	LB133110
	Silver	0.45	<0.45	U	0.45	P	10/24/2024	15:49	LB133110
	Sodium	90.1	<90.1	U	90.1	P	10/24/2024	15:49	LB133110
	Thallium	1.80	<1.80	U	1.80	P	10/24/2024	15:49	LB133110
	Vanadium	1.80	<1.80	U	1.80	P	10/24/2024	15:49	LB133110
	Zinc	1.80	<1.80	U	1.80	P	10/24/2024	15:49	LB133110

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Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Case No.:** P4473 **SAS No.:** P4473

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	245000	255000	96	216000	294000	10/24/2024	13:43	LB133110
	Antimony	0.022			-50	50	10/24/2024	13:43	LB133110
	Arsenic	4.95			-20	20	10/24/2024	13:43	LB133110
	Barium	3.29	6.0	55	-94	106	10/24/2024	13:43	LB133110
	Beryllium	1.29			-6	6	10/24/2024	13:43	LB133110
	Cadmium	3.37	1.0	337	-5	7	10/24/2024	13:43	LB133110
	Calcium	227000	245000	93	208000	282000	10/24/2024	13:43	LB133110
	Chromium	55.4	52.0	106	42	62	10/24/2024	13:43	LB133110
	Cobalt	2.27			-30	30	10/24/2024	13:43	LB133110
	Copper	8.59	2.0	430	-18	22	10/24/2024	13:43	LB133110
	Iron	101000	101000	100	85600	116500	10/24/2024	13:43	LB133110
	Lead	9.27			-12	12	10/24/2024	13:43	LB133110
	Magnesium	246000	255000	96	216000	294000	10/24/2024	13:43	LB133110
	Manganese	3.89	7.0	56	-13	27	10/24/2024	13:43	LB133110
	Nickel	2.59	2.0	130	-38	42	10/24/2024	13:43	LB133110
	Potassium	-36.7			0	0	10/24/2024	13:43	LB133110
	Selenium	-16.1			-20	20	10/24/2024	13:43	LB133110
	Silver	0.37			-10	10	10/24/2024	13:43	LB133110
	Sodium	4.15			0	0	10/24/2024	13:43	LB133110
	Thallium	3.67			-40	40	10/24/2024	13:43	LB133110
	Vanadium	5.91			-40	40	10/24/2024	13:43	LB133110
	Zinc	5.89			-40	40	10/24/2024	13:43	LB133110
ICSAB01	Aluminum	256000	247000	104	209000	285000	10/24/2024	13:54	LB133110
	Antimony	643	618	104	525	711	10/24/2024	13:54	LB133110
	Arsenic	111	104	107	88.4	120	10/24/2024	13:54	LB133110
	Barium	488	537	91	437	637	10/24/2024	13:54	LB133110
	Beryllium	482	495	97	420	570	10/24/2024	13:54	LB133110
	Cadmium	981	972	101	826	1120	10/24/2024	13:54	LB133110
	Calcium	232000	235000	99	199000	271000	10/24/2024	13:54	LB133110
	Chromium	565	542	104	460	624	10/24/2024	13:54	LB133110
	Cobalt	527	476	111	404	548	10/24/2024	13:54	LB133110
	Copper	518	511	101	434	588	10/24/2024	13:54	LB133110
	Iron	104000	99300	105	84400	114500	10/24/2024	13:54	LB133110
	Lead	57.7	49.0	118	37	61	10/24/2024	13:54	LB133110
	Magnesium	249000	248000	100	210000	286000	10/24/2024	13:54	LB133110
	Manganese	471	507	93	430	584	10/24/2024	13:54	LB133110
	Nickel	1040	954	109	810	1100	10/24/2024	13:54	LB133110
	Potassium	-31.8			0	0	10/24/2024	13:54	LB133110
	Selenium	35.0	46.0	76	26	66	10/24/2024	13:54	LB133110
	Silver	230	201	114	170	232	10/24/2024	13:54	LB133110
	Sodium	-3.02			0	0	10/24/2024	13:54	LB133110
	Thallium	99.3	108	92	68	148	10/24/2024	13:54	LB133110

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Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Case No.:** P4473 **SAS No.:** P4473

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Vanadium	460	491	94	417	565	10/24/2024	13:54	LB133110
	Zinc	918	952	96	809	1095	10/24/2024	13:54	LB133110

METAL QC DATA

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metals
- 5a -
MATRIX SPIKE SUMMARY

client: Yannuzzi Group, Inc. **level:** low **sdg no.:** P4473

contract: YANN01 **lab code:** CHEM **case no.:** P4473 **sas no.:** P4473

matrix: Solid **sample id:** P4486-01 **client id:** EO-03-102224MS

Percent Solids for Sample: 94.3 **Spiked ID:** P4486-01MS **Percent Solids for Spike Sample:** 94.3

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	2120		2300		86.6	-207		P
Antimony	mg/Kg	75 - 125	30.6		2.47	U	34.6	88		P
Arsenic	mg/Kg	75 - 125	29.4		0.93	J	34.6	82		P
Barium	mg/Kg	75 - 125	18.1		12.5		8.7	65	N	P
Beryllium	mg/Kg	75 - 125	6.76		0.15	J	8.7	76		P
Cadmium	mg/Kg	75 - 125	7.93		0.13	J	8.7	90		P
Calcium	mg/Kg	75 - 125	2760		3090		43.3	-766		P
Chromium	mg/Kg	75 - 125	17.6		3.25		17.3	83		P
Cobalt	mg/Kg	75 - 125	10.5		2.27		8.7	95		P
Copper	mg/Kg	75 - 125	18.1		7.61		13.0	81		P
Iron	mg/Kg	75 - 125	3420		3830		130	-314		P
Lead	mg/Kg	75 - 125	50.3		13.3		43.3	86		P
Magnesium	mg/Kg	75 - 125	554		627		86.6	-85		P
Manganese	mg/Kg	75 - 125	143		155		8.7	-135		P
Nickel	mg/Kg	75 - 125	24.3		3.50		21.6	96		P
Potassium	mg/Kg	75 - 125	639		272		430	85		P
Selenium	mg/Kg	75 - 125	69.5		0.99	U	86.6	80		P
Silver	mg/Kg	75 - 125	2.95		0.056	J	3.2	91		P
Sodium	mg/Kg	75 - 125	391		306		130	65	N	P
Thallium	mg/Kg	75 - 125	73.8		1.97	U	86.6	85		P
Vanadium	mg/Kg	75 - 125	14.2		4.45		13.0	75		P
Zinc	mg/Kg	75 - 125	21.7		16.1		8.7	65	N	P

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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Yannuzzi Group, Inc. **level:** low **sdg no.:** P4473

contract: YANN01 **lab code:** CHEM **case no.:** P4473 **sas no.:** P4473

matrix: Solid **sample id:** P4486-01 **client id:** EO-03-102224MSD

Percent Solids for Sample: 94.3 **Spiked ID:** P4486-01MSD **Percent Solids for Spike Sample:** 94.3

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	2180		2300		89.5	-132		P
Antimony	mg/Kg	75 - 125	31.6		2.47	U	35.8	88		P
Arsenic	mg/Kg	75 - 125	30.1		0.93	J	35.8	81		P
Barium	mg/Kg	75 - 125	18.7		12.5		8.9	70	N	P
Beryllium	mg/Kg	75 - 125	6.97		0.15	J	8.9	77		P
Cadmium	mg/Kg	75 - 125	8.16		0.13	J	8.9	90		P
Calcium	mg/Kg	75 - 125	2870		3090		44.7	-496		P
Chromium	mg/Kg	75 - 125	18.1		3.25		17.9	83		P
Cobalt	mg/Kg	75 - 125	10.8		2.27		8.9	96		P
Copper	mg/Kg	75 - 125	18.6		7.61		13.4	82		P
Iron	mg/Kg	75 - 125	3510		3830		130	-248		P
Lead	mg/Kg	75 - 125	51.9		13.3		44.7	86		P
Magnesium	mg/Kg	75 - 125	576		627		89.5	-57		P
Manganese	mg/Kg	75 - 125	148		155		8.9	-73		P
Nickel	mg/Kg	75 - 125	25.0		3.50		22.4	96		P
Potassium	mg/Kg	75 - 125	650		272		450	84		P
Selenium	mg/Kg	75 - 125	71.3		0.99	U	89.5	80		P
Silver	mg/Kg	75 - 125	3.01		0.056	J	3.4	87		P
Sodium	mg/Kg	75 - 125	396		306		130	69	N	P
Thallium	mg/Kg	75 - 125	77.1		1.97	U	89.5	86		P
Vanadium	mg/Kg	75 - 125	14.7		4.45		13.4	77		P
Zinc	mg/Kg	75 - 125	22.3		16.1		8.9	69	N	P

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metals
- 5a -
MATRIX SPIKE SUMMARY

client: Yannuzzi Group, Inc. **level:** low **sdg no.:** P4473

contract: YANN01 **lab code:** CHEM **case no.:** P4473 **sas no.:** P4473

matrix: Solid **sample id:** P4489-01 **client id:** RT-2675MS

Percent Solids for Sample: 90.8 **Spiked ID:** P4489-01MS **Percent Solids for Spike Sample:** 90.8

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 124	0.39		0.13		0.28	93		CV

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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Yannuzzi Group, Inc. **level:** low **sdg no.:** P4473

contract: YANN01 **lab code:** CHEM **case no.:** P4473 **sas no.:** P4473

matrix: Solid **sample id:** P4489-01 **client id:** RT-2675MSD

Percent Solids for Sample: 90.8 **Spiked ID:** P4489-01MSD **Percent Solids for Spike Sample:** 90.8

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 124	0.36		0.13		0.26	90		CV

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Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Case No.:** P4473 **SAS No.:** P4473

Matrix: Solid **Level:** LOW **Client ID:** EO-03-102224A

Sample ID: P4486-01 **Spiked ID:** P4486-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Barium	mg/Kg	75 - 125	20.5		12.5		9.90	81		P
Sodium	mg/Kg	75 - 125	441		306		150	90		P
Zinc	mg/Kg	75 - 125	24.7		16.1		9.90	87		P

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Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Yannuzzi Group, Inc. **Level:** LOW **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Case No.:** P4473 **SAS No.:** P4473

Matrix: Solid **Sample ID:** P4486-01 **Client ID:** EO-03-102224DUP

Percent Solids for Sample: 94.3 **Duplicate ID** P4486-01DUP **Percent Solids for Spike Sample:** 94.3

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	2300		2130		8		P
Antimony	mg/Kg	20	2.47	U	2.25	U			P
Arsenic	mg/Kg	20	0.93	J	0.89	J	4		P
Barium	mg/Kg	20	12.5		11.6		7		P
Beryllium	mg/Kg	20	0.15	J	0.14	J	7		P
Cadmium	mg/Kg	20	0.13	J	0.13	J	1		P
Calcium	mg/Kg	20	3090		2870		7		P
Chromium	mg/Kg	20	3.25		2.98		9		P
Cobalt	mg/Kg	20	2.27		2.10		8		P
Copper	mg/Kg	20	7.61		7.18		6		P
Iron	mg/Kg	20	3830		3470		10		P
Lead	mg/Kg	20	13.3		12.3		8		P
Magnesium	mg/Kg	20	627		516		19		P
Manganese	mg/Kg	20	155		143		8		P
Nickel	mg/Kg	20	3.50		3.24		8		P
Potassium	mg/Kg	20	272		245		10		P
Selenium	mg/Kg	20	0.99	U	0.90	U			P
Silver	mg/Kg	20	0.056	J	0.45	U	200.0		P
Sodium	mg/Kg	20	306		280		9		P
Thallium	mg/Kg	20	1.97	U	1.80	U			P
Vanadium	mg/Kg	20	4.45		4.13		7		P
Zinc	mg/Kg	20	16.1		14.7		9		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Yannuzzi Group, Inc. **Level:** LOW **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Case No.:** P4473 **SAS No.:** P4473

Matrix: Solid **Sample ID:** P4486-01MS **Client ID:** EO-03-102224MSD

Percent Solids for Sample: 94.3 **Duplicate ID** P4486-01MSD **Percent Solids for Spike Sample:** 94.3

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	2120		2180		3		P
Antimony	mg/Kg	20	30.6		31.6		3		P
Arsenic	mg/Kg	20	29.4		30.1		2		P
Barium	mg/Kg	20	18.1		18.7		3		P
Beryllium	mg/Kg	20	6.76		6.97		3		P
Cadmium	mg/Kg	20	7.93		8.16		3		P
Calcium	mg/Kg	20	2760		2870		4		P
Chromium	mg/Kg	20	17.6		18.1		3		P
Cobalt	mg/Kg	20	10.5		10.8		3		P
Copper	mg/Kg	20	18.1		18.6		3		P
Iron	mg/Kg	20	3420		3510		3		P
Lead	mg/Kg	20	50.3		51.9		3		P
Magnesium	mg/Kg	20	554		576		4		P
Manganese	mg/Kg	20	143		148		3		P
Nickel	mg/Kg	20	24.3		25.0		3		P
Potassium	mg/Kg	20	639		650		2		P
Selenium	mg/Kg	20	69.5		71.3		3		P
Silver	mg/Kg	20	2.95		3.01		2		P
Sodium	mg/Kg	20	391		396		1		P
Thallium	mg/Kg	20	73.8		77.1		4		P
Vanadium	mg/Kg	20	14.2		14.7		3		P
Zinc	mg/Kg	20	21.7		22.3		3		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

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Yannuzzi Group, Inc. **Level:** LOW **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Case No.:** P4473 **SAS No.:** P4473

Matrix: Solid **Sample ID:** P4489-01 **Client ID:** RT-2675DUP

Percent Solids for Sample: 90.8 **Duplicate ID** P4489-01DUP **Percent Solids for Spike Sample:** 90.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.13		0.12		6		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

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Yannuzzi Group, Inc. **Level:** LOW **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Case No.:** P4473 **SAS No.:** P4473

Matrix: Solid **Sample ID:** P4489-01MS **Client ID:** RT-2675MSD

Percent Solids for Sample: 90.8 **Duplicate ID** P4489-01MSD **Percent Solids for Spike Sample:** 90.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.39		0.36		7		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Case No.:** P4473 **SAS No.:** P4473

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB164320BS							
Aluminum	mg/Kg	90.1	86.0		95	80 - 120	P
Antimony	mg/Kg	36.0	35.8		99	80 - 120	P
Arsenic	mg/Kg	36.0	33.5		93	80 - 120	P
Barium	mg/Kg	9.0	8.29		92	80 - 120	P
Beryllium	mg/Kg	9.0	8.36		93	80 - 120	P
Cadmium	mg/Kg	9.0	8.19		91	80 - 120	P
Calcium	mg/Kg	45.0	44.2	J	98	80 - 120	P
Chromium	mg/Kg	18.0	17.8		99	80 - 120	P
Cobalt	mg/Kg	9.0	8.89		99	80 - 120	P
Copper	mg/Kg	13.5	14.2		105	80 - 120	P
Iron	mg/Kg	140	136		97	80 - 120	P
Lead	mg/Kg	45.0	42.1		94	80 - 120	P
Magnesium	mg/Kg	90.1	79.5	J	88	80 - 120	P
Manganese	mg/Kg	9.0	8.36		93	80 - 120	P
Nickel	mg/Kg	22.5	22.4		100	80 - 120	P
Potassium	mg/Kg	450	460		102	80 - 120	P
Selenium	mg/Kg	90.1	85.5		95	80 - 120	P
Silver	mg/Kg	3.4	3.50		103	80 - 120	P
Sodium	mg/Kg	140	130		93	80 - 120	P
Thallium	mg/Kg	90.1	85.1		94	80 - 120	P
Vanadium	mg/Kg	13.5	12.1		90	80 - 120	P
Zinc	mg/Kg	9.0	9.63		107	80 - 120	P

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Case No.:** P4473 **SAS No.:** P4473

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB164361BS							
Mercury	mg/Kg	0.27	0.27		99	80 - 124	CV

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Metals

-9 -

ICP SERIAL DILUTIONS

SAMPLE NO.

EO-03-102224L

Lab Name: Chemtech Consulting Group **Contract:** YANN01

Lab Code: CHEM **Lb No.:** lb133110 **Lab Sample ID :** P4486-01L **SDG No.:** P4473

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	2300		2660		16		P
Antimony	2.47	U	12.3	U			P
Arsenic	0.93	J	4.93	U	100.0		P
Barium	12.5		14.4	J	15		P
Beryllium	0.15	J	0.19	J	25		P
Cadmium	0.13	J	0.085	J	35		P
Calcium	3090		3640		18		P
Chromium	3.25		3.82		17		P
Cobalt	2.27		2.35	J	4		P
Copper	7.61		9.26		22		P
Iron	3830		4340		13		P
Lead	13.3		14.4		8		P
Magnesium	627		663		6		P
Manganese	155		185		20		P
Nickel	3.50		3.60	J	3		P
Potassium	272		297	J	9		P
Selenium	0.99	U	4.93	U			P
Silver	0.056	J	2.47	U	100.0		P
Sodium	306		335	J	9		P
Thallium	1.97	U	9.86	U			P
Vanadium	4.45		4.92	J	11		P
Zinc	16.1		18.5		15		P

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Metals

-9 -

ICP SERIAL DILUTIONS

SAMPLE NO.

RT-2675L

Lab Name: Chemtech Consulting Group **Contract:** YANN01

Lab Code: CHEM **Lb No.:** lb133088 **Lab Sample ID :** P4489-01L **SDG No.:** P4473

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	0.13		0.14		4		CV

METAL PREPARATION & INSTRUMENT DATA

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Case No.:** P4473 **SAS No.:** P4473

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Aluminum	396.100	0.0000000	-0.0002060	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	-0.0075970	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Case No.:** P4473 **SAS No.:** P4473

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0054900
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Case No.:** P4473 **SAS No.:** P4473

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: Yannuzzi Group, Inc. **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Case No.:** P4473 **SAS No.:** P4473

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Aluminum	396.100	0.0000000	0.0000000	0.0012800	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Iron	240.488	0.0000000	-0.0017000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Case No.:** P4473 **SAS No.:** P4473

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

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Method:**

Case No.: P4473 **SAS No.:** P4473

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB164320**						
P4473-01	TS-1	SAM	SOLID	10/23/2024	2.13	100.0	48.80
P4486-01DUP	EO-03-102224DUP	DUP	SOLID	10/23/2024	2.36	100.0	94.30
P4486-01MS	EO-03-102224MS	MS	SOLID	10/23/2024	2.45	100.0	94.30
P4486-01MSD	EO-03-102224MSD	MSD	SOLID	10/23/2024	2.37	100.0	94.30
PB164320BL	PB164320BL	MB	SOLID	10/23/2024	2.22	100.0	100.00
PB164320BS	PB164320BS	LCS	SOLID	10/23/2024	2.22	100.0	100.00

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Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Contract: YANN01 **Lab Code:** CHEM **Method:**

Case No.: P4473 **SAS No.:** P4473

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB164361**						
P4473-01	TS-1	SAM	SOLID	10/24/2024	0.56	35.0	48.80
P4489-01DUP	RT-2675DUP	DUP	SOLID	10/24/2024	0.55	35.0	90.80
P4489-01MS	RT-2675MS	MS	SOLID	10/24/2024	0.55	35.0	90.80
P4489-01MSD	RT-2675MSD	MSD	SOLID	10/24/2024	0.59	35.0	90.80
PB164361BL	PB164361BL	MB	SOLID	10/24/2024	0.56	35.0	100.00
PB164361BS	PB164361BS	LCS	SOLID	10/24/2024	0.52	35.0	100.00

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metals
- 14 -
ANALYSIS RUN LOG

Client: Yannuzzi Group, Inc. **Contract:** YANN01

Lab code: CHEM **Case no.:** P4473 **Sas no.:** P4473 **Sdg no.:** P4473

Instrument id number: **Method:** **Run number:** LB133088

Start date: 10/24/2024 **End date:** 10/24/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0828	HG
S0.2	S0.2	1	0831	HG
S2.5	S2.5	1	0833	HG
S5	S5	1	0835	HG
S7.5	S7.5	1	0837	HG
S10	S10	1	0840	HG
ICV50	ICV50	1	0843	HG
ICB50	ICB50	1	0845	HG
CCV62	CCV62	1	0847	HG
CCB62	CCB62	1	0850	HG
CRA	CRA	1	0852	HG
PB164361BL	PB164361BL	1	0901	HG
PB164361BS	PB164361BS	1	0904	HG
P4473-01	TS-1	1	0911	HG
CCV63	CCV63	1	0920	HG
CCB63	CCB63	1	0922	HG
P4489-01DUP	RT-2675DUP	1	0931	HG
P4489-01MS	RT-2675MS	1	0936	HG
P4489-01MSD	RT-2675MSD	1	0941	HG
CCV64	CCV64	1	0953	HG
CCB64	CCB64	1	0955	HG
P4489-01L	RT-2675L	5	1019	HG
CCV65	CCV65	1	1024	HG
CCB65	CCB65	1	1026	HG

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metals
- 14 -
ANALYSIS RUN LOG

Client: Yannuzzi Group, Inc. **Contract:** YANN01

Lab code: CHEM **Case no.:** P4473 **Sas no.:** P4473 **Sdg no.:** P4473

Instrument id number: **Method:** **Run number:** LB133110

Start date: 10/24/2024 **End date:** 10/25/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1214	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	1218	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	1223	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	1227	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	1231	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	1235	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	1326	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	1330	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	1334	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	1338	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	1343	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	1354	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	1406	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	1411	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4473-01	TS-1	1	1440	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	1453	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	1457	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1506	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	1512	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4486-01DUP	EO-03-102224DUP	1	1521	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4486-01L	EO-03-102224L	5	1525	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4486-01MS	EO-03-102224MS	1	1529	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4486-01MSD	EO-03-102224MSD	1	1533	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4486-01A	EO-03-102224A	1	1537	Ba,Na,Zn
PB164320BL	PB164320BL	1	1549	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB164320BS	PB164320BS	1	1554	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	1558	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	1602	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	1655	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	1659	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	1746	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	1750	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	1837	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	1841	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	1932	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	1945	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	2031	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	2036	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	2122	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	2128	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	2215	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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metals
- 14 -
ANALYSIS RUN LOG

Client: Yannuzzi Group, Inc. **Contract:** YANN01

Lab code: CHEM **Case no.:** P4473 **Sas no.:** P4473 **Sdg no.:** P4473

Instrument id number: **Method:** **Run number:** LB133110

Start date: 10/24/2024 **End date:** 10/25/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
CCB11	CCB11	1	2220	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV12	CCV12	1	2309	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB12	CCB12	1	2313	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV13	CCV13	1	2358	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB13	CCB13	1	0002	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV14	CCV14	1	0052	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB14	CCB14	1	0056	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV15	CCV15	1	0145	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB15	CCB15	1	0150	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV16	CCV16	1	0244	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB16	CCB16	1	0248	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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LAB CHRONICLE

OrderID:	P4473	**OrderDate:**	10/21/2024 3:15:00 PM
Client:	Yannuzzi Group, Inc.	**Project:**	86 Davidson Road, Piscataway, NJ
Contact:	Rafael Nunez	**Location:**	K61

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4473-01	**TS-1**	**SOIL**			**10/18/24 10:00**			**10/21/24**
			Cyanide	9012B		10/22/24	10/23/24 11:48	

SAMPLE DATA

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Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/18/24 10:00
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/21/24
Client Sample ID:	TS-1	SDG No.:	P4473
Lab Sample ID:	P4473-01	Matrix:	SOIL
		% Solid:	48.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.78		1	0.089	0.51	mg/Kg	10/22/24 11:00	10/23/24 11:48	9012B

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

QC RESULT SUMMARY

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Initial and Continuing Calibration Verification

Client:	Yannuzzi Group, Inc.	**SDG No.:**	P4473
Project:	86 Davidson Road, Piscataway, NJ	**RunNo.:**	LB133078

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV1**						
Cyanide		mg/L	0.095	0.099	96	90-110	10/23/2024
Sample ID:	**CCV1**						
Cyanide		mg/L	0.24	0.25	96	90-110	10/23/2024
Sample ID:	**CCV2**						
Cyanide		mg/L	0.25	0.25	100	90-110	10/23/2024

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Initial and Continuing Calibration Blank Summary

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Project: 86 Davidson Road, Piscataway, NJ **RunNo.:** LB133078

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	ICB1							
Cyanide		mg/L	0.001	0.0025	J	0.00099	0.005	10/23/2024
Sample ID:	CCB1							
Cyanide		mg/L	0.0011	0.0025	J	0.00099	0.005	10/23/2024
Sample ID:	CCB2							
Cyanide		mg/L	0.001	0.0025	J	0.00099	0.005	10/23/2024

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Preparation Blank Summary

Client: Yannuzzi Group, Inc. **SDG No.:** P4473

Project: 86 Davidson Road, Piscataway, NJ

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: PB164332BL							
Cyanide	mg/Kg	< 0.1250	0.1250	U	0.044	0.25	10/23/2024

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Matrix Spike Summary

Client: Yannuzzi Group, Inc.
SDG No.: P4473
Project: 86 Davidson Road, Piscataway, NJ
Sample ID: P4473-01
Client ID: TS-1MS
Percent Solids for Spike Sample: 48.8

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	4.80		0.78		4	1	101		10/23/2024

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Matrix Spike Summary

Client: Yannuzzi Group, Inc.
SDG No.: P4473
Project: 86 Davidson Road, Piscataway, NJ
Sample ID: P4473-01
Client ID: TS-1MSD
Percent Solids for Spike Sample: 48.8

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	4.90		0.78		4.1	1	100		10/23/2024

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Duplicate Sample Summary

Client: Yannuzzi Group, Inc.
Project: 86 Davidson Road, Piscataway, NJ
Client ID: TS-1DUP

SDG No.: P4473
Sample ID: P4473-01
Percent Solids for Spike Sample: 48.8

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	0.78		0.76		1	3		10/23/2024

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Duplicate Sample Summary

Client: Yannuzzi Group, Inc.
Project: 86 Davidson Road, Piscataway, NJ
Client ID: TS-1MSD

SDG No.: P4473
Sample ID: P4473-01
Percent Solids for Spike Sample: 48.8

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	4.80		4.90		1	2		10/23/2024

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Laboratory Control Sample Summary

Client:	Yannuzzi Group, Inc.	**SDG No.:**	P4473
Project:	86 Davidson Road, Piscataway, NJ	**Run No.:**	LB133078

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID **PB164332BS**								
Cyanide	mg/Kg	5	4.80		96	1	85-115	10/23/2024