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

A
B
C
D

Hit Summary Sheet
SW-846

SDG No.: P5306

Client: Nobis Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :									
				0.000					
			Total Svoc :		**0.00**				
			Total Concentration:		**0.00**				

SAMPLE DATA

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Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-07-121224	SDG No.:	P5306
Lab Sample ID:	P5306-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.8
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BF140952.D	1	12/18/24 08:56	12/20/24 15:55	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.14	U	0.091	0.14	0.19	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.091	0.14	0.19	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.095	0.14	0.19	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.089	0.14	0.19	mg/Kg
86-73-7	Fluorene	0.14	U	0.094	0.14	0.19	mg/Kg
85-01-8	Phenanthrene	0.14	U	0.092	0.14	0.19	mg/Kg
120-12-7	Anthracene	0.14	U	0.093	0.14	0.19	mg/Kg
206-44-0	Fluoranthene	0.14	U	0.090	0.14	0.19	mg/Kg
129-00-0	Pyrene	0.14	U	0.091	0.14	0.19	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	U	0.089	0.14	0.19	mg/Kg
218-01-9	Chrysene	0.14	U	0.087	0.14	0.19	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.14	U	0.089	0.14	0.19	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.14	U	0.091	0.14	0.19	mg/Kg
50-32-8	Benzo(a)pyrene	0.14	U	0.10	0.14	0.19	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.086	0.14	0.19	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.089	0.14	0.19	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.14	U	0.088	0.14	0.19	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	64.0		37 - 122		64%	SPK: 100
321-60-8	2-Fluorobiphenyl	62.6		44 - 115		63%	SPK: 100
1718-51-0	Terphenyl-d14	55.8		54 - 127		56%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	48100	6.845				
1146-65-2	Naphthalene-d8	183000	8.128				
15067-26-2	Acenaphthene-d10	108000	9.881				
1517-22-2	Phenanthrene-d10	206000	11.375				
1719-03-5	Chrysene-d12	166000	14.027				
1520-96-3	Perylene-d12	128000	15.521				
TENTATIVE IDENTIFIED COMPOUNDS							

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Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-07-121224	SDG No.:	P5306
Lab Sample ID:	P5306-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.8
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BF140952.D	1	12/18/24 08:56	12/20/24 15:55	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972-60-8	ALACHLOR	N.D					
82-68-8	Quintozine	N.D					

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:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-08-121224	SDG No.:	P5306
Lab Sample ID:	P5306-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.8
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BF140953.D	1	12/18/24 08:56	12/20/24 16:21	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.14	U	0.091	0.14	0.19	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.091	0.14	0.19	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.095	0.14	0.19	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.089	0.14	0.19	mg/Kg
86-73-7	Fluorene	0.14	U	0.094	0.14	0.19	mg/Kg
85-01-8	Phenanthrene	0.14	U	0.092	0.14	0.19	mg/Kg
120-12-7	Anthracene	0.14	U	0.093	0.14	0.19	mg/Kg
206-44-0	Fluoranthene	0.14	U	0.090	0.14	0.19	mg/Kg
129-00-0	Pyrene	0.14	U	0.091	0.14	0.19	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	U	0.089	0.14	0.19	mg/Kg
218-01-9	Chrysene	0.14	U	0.088	0.14	0.19	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.14	U	0.089	0.14	0.19	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.14	U	0.091	0.14	0.19	mg/Kg
50-32-8	Benzo(a)pyrene	0.14	U	0.10	0.14	0.19	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.086	0.14	0.19	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.089	0.14	0.19	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.14	U	0.088	0.14	0.19	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	106		37 - 122		106%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.8		44 - 115		97%	SPK: 100
1718-51-0	Terphenyl-d14	105		54 - 127		105%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	51300	6.845				
1146-65-2	Naphthalene-d8	205000	8.128				
15067-26-2	Acenaphthene-d10	122000	9.88				
1517-22-2	Phenanthrene-d10	232000	11.374				
1719-03-5	Chrysene-d12	149000	14.027				
1520-96-3	Perylene-d12	129000	15.521				

TENTATIVE IDENTIFIED COMPOUNDS

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Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-08-121224	SDG No.:	P5306
Lab Sample ID:	P5306-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.8
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BF140953.D	1	12/18/24 08:56	12/20/24 16:21	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972-60-8	ALACHLOR	N.D					
82-68-8	Quintozine	N.D					

U = Not Detected
LOQ = Limit of Quantitation
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LOD = Limit of Detection
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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:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-09-121224	SDG No.:	P5306
Lab Sample ID:	P5306-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BF140954.D	1	12/18/24 08:56	12/20/24 16:48	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.14	U	0.092	0.14	0.19	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.091	0.14	0.19	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.096	0.14	0.19	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.090	0.14	0.19	mg/Kg
86-73-7	Fluorene	0.14	U	0.095	0.14	0.19	mg/Kg
85-01-8	Phenanthrene	0.14	U	0.093	0.14	0.19	mg/Kg
120-12-7	Anthracene	0.14	U	0.094	0.14	0.19	mg/Kg
206-44-0	Fluoranthene	0.14	U	0.091	0.14	0.19	mg/Kg
129-00-0	Pyrene	0.14	U	0.092	0.14	0.19	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	U	0.089	0.14	0.19	mg/Kg
218-01-9	Chrysene	0.14	U	0.088	0.14	0.19	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.14	U	0.090	0.14	0.19	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.14	U	0.092	0.14	0.19	mg/Kg
50-32-8	Benzo(a)pyrene	0.14	U	0.10	0.14	0.19	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.087	0.14	0.19	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.090	0.14	0.19	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.14	U	0.089	0.14	0.19	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	111		37 - 122		111%	SPK: 100
321-60-8	2-Fluorobiphenyl	107		44 - 115		107%	SPK: 100
1718-51-0	Terphenyl-d14	91.5		54 - 127		91%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	47900	6.845				
1146-65-2	Naphthalene-d8	188000	8.128				
15067-26-2	Acenaphthene-d10	108000	9.88				
1517-22-2	Phenanthrene-d10	210000	11.374				
1719-03-5	Chrysene-d12	160000	14.027				
1520-96-3	Perylene-d12	119000	15.521				
TENTATIVE IDENTIFIED COMPOUNDS							

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Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-09-121224	SDG No.:	P5306
Lab Sample ID:	P5306-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BF140954.D	1	12/18/24 08:56	12/20/24 16:48	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972-60-8	ALACHLOR	N.D					
82-68-8	Quintozine	N.D					

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-10-121224	SDG No.:	P5306
Lab Sample ID:	P5306-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BF140955.D	1	12/18/24 08:56	12/20/24 17:14	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.14	U	0.087	0.14	0.18	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.087	0.14	0.18	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.091	0.14	0.18	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.085	0.14	0.18	mg/Kg
86-73-7	Fluorene	0.14	U	0.090	0.14	0.18	mg/Kg
85-01-8	Phenanthrene	0.14	U	0.088	0.14	0.18	mg/Kg
120-12-7	Anthracene	0.14	U	0.089	0.14	0.18	mg/Kg
206-44-0	Fluoranthene	0.14	U	0.086	0.14	0.18	mg/Kg
129-00-0	Pyrene	0.14	U	0.087	0.14	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	U	0.085	0.14	0.18	mg/Kg
218-01-9	Chrysene	0.14	U	0.084	0.14	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.14	U	0.085	0.14	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.14	U	0.087	0.14	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	0.14	U	0.098	0.14	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.082	0.14	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.085	0.14	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.14	U	0.084	0.14	0.18	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	105		37 - 122		105%	SPK: 100
321-60-8	2-Fluorobiphenyl	107		44 - 115		107%	SPK: 100
1718-51-0	Terphenyl-d14	102		54 - 127		102%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	49600	6.846				
1146-65-2	Naphthalene-d8	194000	8.128				
15067-26-2	Acenaphthene-d10	109000	9.881				
1517-22-2	Phenanthrene-d10	209000	11.375				
1719-03-5	Chrysene-d12	160000	14.027				
1520-96-3	Perylene-d12	129000	15.516				

TENTATIVE IDENTIFIED COMPOUNDS

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Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-10-121224	SDG No.:	P5306
Lab Sample ID:	P5306-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BF140955.D	1	12/18/24 08:56	12/20/24 17:14	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972-60-8	ALACHLOR	N.D					
82-68-8	Quintozine	N.D					

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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B = Analyte Found in Associated Method Blank
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* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-11-121224	SDG No.:	P5306
Lab Sample ID:	P5306-09	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BF140947.D	1	12/18/24 08:56	12/20/24 13:44	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.14	U	0.088	0.14	0.18	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.088	0.14	0.18	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.092	0.14	0.18	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.087	0.14	0.18	mg/Kg
86-73-7	Fluorene	0.14	U	0.091	0.14	0.18	mg/Kg
85-01-8	Phenanthrene	0.14	U	0.090	0.14	0.18	mg/Kg
120-12-7	Anthracene	0.14	U	0.090	0.14	0.18	mg/Kg
206-44-0	Fluoranthene	0.14	U	0.087	0.14	0.18	mg/Kg
129-00-0	Pyrene	0.14	U	0.089	0.14	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	U	0.086	0.14	0.18	mg/Kg
218-01-9	Chrysene	0.14	U	0.085	0.14	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.14	U	0.087	0.14	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.14	U	0.088	0.14	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	0.14	U	0.099	0.14	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.083	0.14	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.087	0.14	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.14	U	0.085	0.14	0.18	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	73.5		37 - 122		73%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.3		44 - 115		73%	SPK: 100
1718-51-0	Terphenyl-d14	60.7		54 - 127		61%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	58000	6.846				
1146-65-2	Naphthalene-d8	220000	8.128				
15067-26-2	Acenaphthene-d10	122000	9.886				
1517-22-2	Phenanthrene-d10	255000	11.375				
1719-03-5	Chrysene-d12	180000	14.027				
1520-96-3	Perylene-d12	134000	15.521				
TENTATIVE IDENTIFIED COMPOUNDS							

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Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-11-121224	SDG No.:	P5306
Lab Sample ID:	P5306-09	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BF140947.D	1	12/18/24 08:56	12/20/24 13:44	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972-60-8	ALACHLOR	N.D					
82-68-8	Quintozine	N.D					

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

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N = Presumptive Evidence of a Compound
* = Values outside of QC limits
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() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-12-121224	SDG No.:	P5306
Lab Sample ID:	P5306-11	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.8
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BF140946.D	1	12/18/24 08:56	12/20/24 13:18	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.14	U	0.091	0.14	0.19	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.091	0.14	0.19	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.095	0.14	0.19	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.089	0.14	0.19	mg/Kg
86-73-7	Fluorene	0.14	U	0.094	0.14	0.19	mg/Kg
85-01-8	Phenanthrene	0.14	U	0.092	0.14	0.19	mg/Kg
120-12-7	Anthracene	0.14	U	0.093	0.14	0.19	mg/Kg
206-44-0	Fluoranthene	0.14	U	0.090	0.14	0.19	mg/Kg
129-00-0	Pyrene	0.14	U	0.091	0.14	0.19	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	U	0.089	0.14	0.19	mg/Kg
218-01-9	Chrysene	0.14	U	0.087	0.14	0.19	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.14	U	0.089	0.14	0.19	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.14	U	0.091	0.14	0.19	mg/Kg
50-32-8	Benzo(a)pyrene	0.14	U	0.10	0.14	0.19	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.086	0.14	0.19	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.089	0.14	0.19	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.14	U	0.088	0.14	0.19	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	103		37 - 122		103%	SPK: 100
321-60-8	2-Fluorobiphenyl	95.0		44 - 115		95%	SPK: 100
1718-51-0	Terphenyl-d14	89.1		54 - 127		89%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	54400	6.845				
1146-65-2	Naphthalene-d8	210000	8.128				
15067-26-2	Acenaphthene-d10	120000	9.886				
1517-22-2	Phenanthrene-d10	211000	11.375				
1719-03-5	Chrysene-d12	164000	14.027				
1520-96-3	Perylene-d12	119000	15.527				

TENTATIVE IDENTIFIED COMPOUNDS

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Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-12-121224	SDG No.:	P5306
Lab Sample ID:	P5306-11	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.8
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BF140946.D	1	12/18/24 08:56	12/20/24 13:18	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972-60-8	ALACHLOR	N.D					
82-68-8	Quintozine	N.D					

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
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D = Dilution
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A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-13-121224	SDG No.:	P5306
Lab Sample ID:	P5306-13	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BF140950.D	1	12/18/24 08:56	12/20/24 15:02	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.14	U	0.092	0.14	0.19	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.092	0.14	0.19	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.096	0.14	0.19	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.090	0.14	0.19	mg/Kg
86-73-7	Fluorene	0.14	U	0.095	0.14	0.19	mg/Kg
85-01-8	Phenanthrene	0.14	U	0.093	0.14	0.19	mg/Kg
120-12-7	Anthracene	0.14	U	0.094	0.14	0.19	mg/Kg
206-44-0	Fluoranthene	0.14	U	0.091	0.14	0.19	mg/Kg
129-00-0	Pyrene	0.14	U	0.092	0.14	0.19	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	U	0.090	0.14	0.19	mg/Kg
218-01-9	Chrysene	0.14	U	0.088	0.14	0.19	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.14	U	0.090	0.14	0.19	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.14	U	0.092	0.14	0.19	mg/Kg
50-32-8	Benzo(a)pyrene	0.14	U	0.10	0.14	0.19	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.087	0.14	0.19	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.090	0.14	0.19	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.14	U	0.089	0.14	0.19	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	101		37 - 122		101%	SPK: 100
321-60-8	2-Fluorobiphenyl	91.7		44 - 115		92%	SPK: 100
1718-51-0	Terphenyl-d14	89.0		54 - 127		89%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	53900	6.845				
1146-65-2	Naphthalene-d8	215000	8.128				
15067-26-2	Acenaphthene-d10	123000	9.886				
1517-22-2	Phenanthrene-d10	223000	11.374				
1719-03-5	Chrysene-d12	168000	14.033				
1520-96-3	Perylene-d12	139000	15.545				

TENTATIVE IDENTIFIED COMPOUNDS

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Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-13-121224	SDG No.:	P5306
Lab Sample ID:	P5306-13	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BF140950.D	1	12/18/24 08:56	12/20/24 15:02	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972-60-8	ALACHLOR	N.D					
82-68-8	Quintozine	N.D					

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
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() = Laboratory InHouse Limit
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Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-14-121224	SDG No.:	P5306
Lab Sample ID:	P5306-15	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95.9
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BF140951.D	1	12/18/24 08:56	12/20/24 15:29	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.14	U	0.086	0.14	0.18	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.086	0.14	0.18	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.090	0.14	0.18	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.085	0.14	0.18	mg/Kg
86-73-7	Fluorene	0.14	U	0.089	0.14	0.18	mg/Kg
85-01-8	Phenanthrene	0.14	U	0.088	0.14	0.18	mg/Kg
120-12-7	Anthracene	0.14	U	0.088	0.14	0.18	mg/Kg
206-44-0	Fluoranthene	0.14	U	0.085	0.14	0.18	mg/Kg
129-00-0	Pyrene	0.14	U	0.087	0.14	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	U	0.084	0.14	0.18	mg/Kg
218-01-9	Chrysene	0.14	U	0.083	0.14	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.14	U	0.085	0.14	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.14	U	0.086	0.14	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	0.14	U	0.097	0.14	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.081	0.14	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.085	0.14	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.14	U	0.084	0.14	0.18	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	109		37 - 122		109%	SPK: 100
321-60-8	2-Fluorobiphenyl	109		44 - 115		109%	SPK: 100
1718-51-0	Terphenyl-d14	108		54 - 127		108%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	50500	6.845				
1146-65-2	Naphthalene-d8	205000	8.128				
15067-26-2	Acenaphthene-d10	120000	9.88				
1517-22-2	Phenanthrene-d10	234000	11.374				
1719-03-5	Chrysene-d12	182000	14.039				
1520-96-3	Perylene-d12	129000	15.557				

TENTATIVE IDENTIFIED COMPOUNDS

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Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-14-121224	SDG No.:	P5306
Lab Sample ID:	P5306-15	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95.9
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BF140951.D	1	12/18/24 08:56	12/20/24 15:29	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972-60-8	ALACHLOR	N.D					
82-68-8	Quintozine	N.D					

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LAB CHRONICLE

OrderID:	P5306	**OrderDate:**	12/17/2024 10:24:00 AM
Client:	Nobis Group	**Project:**	Raymark Superfund Site
Contact:	Adam Roy	**Location:**	L41,L61,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5306-01	**OU4-VSL-07-121224**	**SOIL**			**12/12/24**			**12/17/24**
			SVOCMS Group3	8270E		12/18/24	12/20/24	
P5306-03	**OU4-VSL-08-121224**	**SOIL**			**12/12/24**			**12/17/24**
			SVOCMS Group3	8270E		12/18/24	12/20/24	
P5306-05	**OU4-VSL-09-121224**	**SOIL**			**12/12/24**			**12/17/24**
			SVOCMS Group3	8270E		12/18/24	12/20/24	
P5306-07	**OU4-VSL-10-121224**	**SOIL**			**12/12/24**			**12/17/24**
			SVOCMS Group3	8270E		12/18/24	12/20/24	
P5306-09	**OU4-VSL-11-121224**	**SOIL**			**12/12/24**			**12/17/24**
			SVOCMS Group3	8270E		12/18/24	12/20/24	
P5306-11	**OU4-VSL-12-121224**	**SOIL**			**12/12/24**			**12/17/24**
			SVOCMS Group3	8270E		12/18/24	12/20/24	
P5306-13	**OU4-VSL-13-121224**	**SOIL**			**12/12/24**			**12/17/24**
			SVOCMS Group3	8270E		12/18/24	12/20/24	
P5306-15	**OU4-VSL-14-121224**	**SOIL**			**12/12/24**			**12/17/24**
			SVOCMS Group3	8270E		12/18/24	12/20/24	