



ANALYTICAL RESULTS

Project AquaTile_TCLP_05092024

Pace Project No.: 10692968

Sample: AT-001 Lab ID: 10692968001 Collected: 05/14/24 09:05 Received: 05/14/24 12:09 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Chlorinated Herb. (GC) 8151A								
Analytical Method: EPA 8151A Preparation Method: 8151A								
Leachate Method/Date: 1311; 06/05/24 16:25 Initial pH: 5.86; Final pH: 5								
Pace National - Mt. Juliet								
2,4,5-TP (Silvex)	ND	mg/L	0.00200	1	06/07/24 18:48	06/09/24 19:10	93-72-1	H3
2,4-D	ND	mg/L	0.00200	1	06/07/24 18:48	06/09/24 19:10	94-75-7	H3
Surrogates								
2,4-DCAA (S)	100	%	14.0-158	1	06/07/24 18:48	06/09/24 19:10	19719-28-9	
8081B GCS Pesticides, TCLP								
Analytical Method: EPA 8081B Preparation Method: EPA 3510C								
Leachate Method/Date: EPA 1311; 05/15/24 13:25								
Pace Analytical Services - Minneapolis								
gamma-BHC (Lindane)	ND	ug/L	2.5	5	05/16/24 15:56	05/20/24 18:39	58-89-9	
Chlordane (Technical)	ND	ug/L	25.0	5	05/16/24 15:56	05/20/24 18:39	57-74-9	
Endrin	ND	ug/L	5.0	5	05/16/24 15:56	05/20/24 18:39	72-20-8	
Heptachlor	ND	ug/L	2.5	5	05/16/24 15:56	05/20/24 18:39	76-44-8	
Heptachlor epoxide	ND	ug/L	2.5	5	05/16/24 15:56	05/20/24 18:39	1024-57-3	
Methoxychlor	ND	ug/L	25.0	5	05/16/24 15:56	05/20/24 18:39	72-43-5	
Toxaphene	ND	ug/L	75.0	5	05/16/24 15:56	05/20/24 18:39	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	100	%	43-125	5	05/16/24 15:56	05/20/24 18:39	877-09-8	D3
Decachlorobiphenyl (S)	98	%	62-125	5	05/16/24 15:56	05/20/24 18:39	2051-24-3	
6010D MET ICP, TCLP MICRO								
Analytical Method: EPA 6010D Preparation Method: EPA 3015A								
Leachate Method/Date: EPA 1311; 05/15/24 13:25								
Pace Analytical Services - Minneapolis								
Arsenic	ND	mg/L	0.20	1	05/16/24 08:18	05/16/24 13:01	7440-38-2	
Barium	ND	mg/L	0.10	1	05/16/24 08:18	05/16/24 13:01	7440-39-3	
Cadmium	ND	mg/L	0.030	1	05/16/24 08:18	05/16/24 13:01	7440-43-9	
Chromium	ND	mg/L	0.10	1	05/16/24 08:18	05/16/24 13:01	7440-47-3	
Lead	ND	mg/L	0.10	1	05/16/24 08:18	05/16/24 13:01	7439-92-1	
Selenium	ND	mg/L	0.20	1	05/16/24 08:18	05/16/24 13:01	7782-49-2	
Silver	ND	mg/L	0.10	1	05/16/24 08:18	05/16/24 13:01	7440-22-4	
7470A Mercury, TCLP								
Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Leachate Method/Date: EPA 1311; 05/15/24 13:25								
Pace Analytical Services - Minneapolis								
Mercury	ND	ug/L	0.60	1	05/16/24 07:40	05/17/24 15:56	7439-97-6	
8270E MSSV TCLP								
Analytical Method: EPA 8270E Preparation Method: EPA 3510C								
Leachate Method/Date: EPA 1311; 05/15/24 13:25								
Pace Analytical Services - Minneapolis								
2,4-Dinitrotoluene	ND	ug/L	100	1	05/16/24 15:54	05/30/24 14:36	121-14-2	
Hexachloro-1,3-butadiene	ND	ug/L	100	1	05/16/24 15:54	05/30/24 14:36	87-68-3	
Hexachlorobenzene	ND	ug/L	100	1	05/16/24 15:54	05/30/24 14:36	118-74-1	
Hexachloroethane	ND	ug/L	100	1	05/16/24 15:54	05/30/24 14:36	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	100	1	05/16/24 15:54	05/30/24 14:36	95-48-7	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



ANALYTICAL RESULTS

Project: AquaTile_TCLP_05092024

Pace Project No.: 10692968

Sample: AT-001 Lab ID: 10692968001 Collected: 05/14/24 09:05 Received: 05/14/24 12:09 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV TCLP								
Analytical Method: EPA 8270E Preparation Method: EPA 3510C								
Leachate Method/Date: EPA 1311; 05/15/24 13:25								
Pace Analytical Services - Minneapolis								
3&4-Methylphenol(m&p Cresol)	ND	ug/L	100	1	05/16/24 15:54	05/30/24 14:36		
Nitrobenzene	ND	ug/L	100	1	05/16/24 15:54	05/30/24 14:36	98-95-3	
Pentachlorophenol	ND	ug/L	200	1	05/16/24 15:54	05/30/24 14:36	87-86-5	
Pyridine	ND	ug/L	500	1	05/16/24 15:54	05/30/24 14:36	110-86-1	
2,4,5-Trichlorophenol	ND	ug/L	100	1	05/16/24 15:54	05/30/24 14:36	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	100	1	05/16/24 15:54	05/30/24 14:36	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	89	%.	50-125	1	05/16/24 15:54	05/30/24 14:36	4165-60-0	
2-Fluorobiphenyl (S)	82	%.	47-125	1	05/16/24 15:54	05/30/24 14:36	321-60-8	
p-Terphenyl-d14 (S)	96	%.	63-125	1	05/16/24 15:54	05/30/24 14:36	1718-51-0	
Phenol-d6 (S)	82	%.	10-125	1	05/16/24 15:54	05/30/24 14:36	13127-88-3	
2-Fluorophenol (S)	87	%.	30-125	1	05/16/24 15:54	05/30/24 14:36	367-12-4	
2,4,6-Tribromophenol (S)	120	%.	62-127	1	05/16/24 15:54	05/30/24 14:36	118-79-6	
8260D MSV TCLP								
Analytical Method: EPA 8260D Leachate Method/Date: EPA 1311; 05/28/24 14:56								
Pace Analytical Services - Minneapolis								
Benzene	ND	ug/L	25.0	1		06/01/24 00:33	71-43-2	
2-Butanone (MEK)	ND	ug/L	250	1		06/01/24 00:33	78-93-3	
Carbon tetrachloride	ND	ug/L	25.0	1		06/01/24 00:33	56-23-5	
Chlorobenzene	ND	ug/L	25.0	1		06/01/24 00:33	108-90-7	
Chloroform	ND	ug/L	25.0	1		06/01/24 00:33	67-66-3	
1,4-Dichlorobenzene	ND	ug/L	25.0	1		06/01/24 00:33	106-46-7	
1,2-Dichloroethane	ND	ug/L	25.0	1		06/01/24 00:33	107-06-2	
1,1-Dichloroethene	ND	ug/L	25.0	1		06/01/24 00:33	75-35-4	
Tetrachloroethene	ND	ug/L	25.0	1		06/01/24 00:33	127-18-4	
Trichloroethene	ND	ug/L	25.0	1		06/01/24 00:33	79-01-6	
Vinyl chloride	ND	ug/L	25.0	1		06/01/24 00:33	75-01-4	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	100	%.	75-125	1		06/01/24 00:33	2199-69-1	
4-Bromofluorobenzene (S)	100	%.	75-125	1		06/01/24 00:33	460-00-4	
Toluene-d8 (S)	100	%.	75-125	1		06/01/24 00:33	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA

Project: AquaTile_TCLP_05092024

Pace Project No.: 10692968

QC Batch: 2299478

Analysis Method: EPA 8151A

QC Batch Method: 8151A

Analysis Description: Chlorinated Herb. (GC) 8151A

Laboratory: Pace National - Mt. Juliet

Associated Lab Samples: 10692968001

METHOD BLANK: R4079300-1

Matrix: Solid

Associated Lab Samples: 10692968001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-TP (Silvex)	mg/L	ND	0.00200	06/09/24 18:14	
2,4-D	mg/L	ND	0.00200	06/09/24 18:14	
2,4-DCAA (S)	%	89.2	14.0-158	06/09/24 18:14	

LABORATORY CONTROL SAMPLE: R4079300-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-TP (Silvex)	mg/L	0.0250	0.0207	82.8	50.0-125	
2,4-D	mg/L	0.0250	0.0271	108	50.0-120	
2,4-DCAA (S)	%			96.6	14.0-158	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4079300-3 R4079300-4

Parameter	Units	10692968001		MS		MSD		MS		MSD		MS		MSD		% Rec		RPD	Qual
		Units	Result	Spike Conc.	Conc.	Spike Conc.	Conc.	Result	Result	Result	Result	% Rec	% Rec	% Rec	% Rec	Limits	Limits		
2,4,5-TP (Silvex)	mg/L	ND	ND	0.0250	0.0250	0.0243	0.0234	97.2	93.6	50.0-125	3.77								
2,4-D	mg/L	ND	ND	0.0250	0.0250	0.0271	0.0260	108	104	50.0-120	4.14								
2,4-DCAA (S)	%							101	95.0	14.0-158									

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA

Project: AquaTile_TCLP_05092024

Pace Project No.: 10692968

QC Batch: 946255

Analysis Method: EPA 7470A

QC Batch Method: EPA 7470A

Analysis Description: 7470A Mercury TCLP

Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10692968001

METHOD BLANK: 4950709

Matrix: Water

Associated Lab Samples: 10692968001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.60	05/17/24 15:44	

METHOD BLANK: 4950391

Matrix: Water

Associated Lab Samples: 10692968001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.60	05/17/24 16:04	

LABORATORY CONTROL SAMPLE: 4950710

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	15	15.8	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4950711

4950712

Parameter	Units	10692906001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Mercury	ug/L	ND	15	15	16.1	16.0	108	107	80-120	1	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA

Project: AquaTile_TCLP_05092024

Pace Project No.: 10692968

QC Batch: 946256

Analysis Method: EPA 6010D

QC Batch Method: EPA 3015A

Analysis Description: 6010D MET ICP, TCLP MICRO

Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10692968001

METHOD BLANK: 4950713

Matrix: Water

Associated Lab Samples: 10692968001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.20	05/16/24 12:37	
Barium	mg/L	ND	0.10	05/16/24 12:37	
Cadmium	mg/L	ND	0.030	05/16/24 12:37	
Chromium	mg/L	ND	0.10	05/16/24 12:37	
Lead	mg/L	ND	0.10	05/16/24 12:37	
Selenium	mg/L	ND	0.20	05/16/24 12:37	
Silver	mg/L	ND	0.10	05/16/24 12:37	

METHOD BLANK: 4950391

Matrix: Water

Associated Lab Samples: 10692968001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.20	05/16/24 12:39	
Barium	mg/L	ND	0.10	05/16/24 12:39	
Cadmium	mg/L	ND	0.030	05/16/24 12:39	
Chromium	mg/L	ND	0.10	05/16/24 12:39	
Lead	mg/L	ND	0.10	05/16/24 12:39	
Selenium	mg/L	ND	0.20	05/16/24 12:39	
Silver	mg/L	ND	0.10	05/16/24 12:39	

LABORATORY CONTROL SAMPLE: 4950714

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	5	5.0	100	80-120	
Barium	mg/L	5	5.1	102	80-120	
Cadmium	mg/L	5	5.1	102	80-120	
Chromium	mg/L	5	5.1	102	80-120	
Lead	mg/L	5	5.1	102	80-120	
Selenium	mg/L	5	5.1	103	80-120	
Silver	mg/L	2.5	2.4	96	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA

Project: AquaTile_TCLP_05092024

Pace Project No.: 10692968

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4950715 4950716											
Parameter	Units	10690894020	MS	MSD	MS	MSD	MS	MSD	% Rec	% Rec	Qual
		Result	Spike Conc.	Spike Conc.							
Arsenic	mg/L	<200	5	5	5.0	4.9	100	98	75-125	2	
		ug/L									
Barium	mg/L	674	5	5	5.6	5.6	99	98	75-125	1	
		ug/L									
Cadmium	mg/L	4.0J	5	5	4.9	4.9	99	98	75-125	1	
		ug/L									
Chromium	mg/L	<100	5	5	5.0	4.9	100	99	75-125	1	
		ug/L									
Lead	mg/L	0.052J	5	5	5.0	4.9	99	98	75-125	1	
Selenium	mg/L	<200	5	5	5.1	5.0	102	100	75-125	2	
		ug/L									
Silver	mg/L	<100	2.5	2.5	2.4	2.4	95	94	75-125	1	
		ug/L									

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA

Project: AquaTile_TCLP_05092024

Pace Project No.: 10692968

QC Batch: 948814

Analysis Method: EPA 8260D

QC Batch Method: EPA 8260D

Analysis Description: 8260D MSV TCLP

Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10692968001

METHOD BLANK: 4963738

Matrix: Water

Associated Lab Samples: 10692968001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	ug/L	ND	25.0	06/01/24 00:17	
1,2-Dichloroethane	ug/L	ND	25.0	06/01/24 00:17	
1,4-Dichlorobenzene	ug/L	ND	25.0	06/01/24 00:17	
2-Butanone (MEK)	ug/L	ND	250	06/01/24 00:17	
Benzene	ug/L	ND	25.0	06/01/24 00:17	
Carbon tetrachloride	ug/L	ND	25.0	06/01/24 00:17	
Chlorobenzene	ug/L	ND	25.0	06/01/24 00:17	
Chloroform	ug/L	ND	25.0	06/01/24 00:17	
Tetrachloroethene	ug/L	ND	25.0	06/01/24 00:17	
Trichloroethene	ug/L	ND	25.0	06/01/24 00:17	
Vinyl chloride	ug/L	ND	25.0	06/01/24 00:17	
1,2-Dichlorobenzene-d4 (S)	%.	100	75-125	06/01/24 00:17	
4-Bromofluorobenzene (S)	%.	99	75-125	06/01/24 00:17	
Toluene-d8 (S)	%.	101	75-125	06/01/24 00:17	

METHOD BLANK: 4960079

Matrix: Solid

Associated Lab Samples: 10692968001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	ug/L	ND	25.0	06/01/24 00:17	
1,2-Dichloroethane	ug/L	ND	25.0	06/01/24 00:17	
1,4-Dichlorobenzene	ug/L	ND	25.0	06/01/24 00:17	
2-Butanone (MEK)	ug/L	ND	250	06/01/24 00:17	
Benzene	ug/L	ND	25.0	06/01/24 00:17	
Carbon tetrachloride	ug/L	ND	25.0	06/01/24 00:17	
Chlorobenzene	ug/L	ND	25.0	06/01/24 00:17	
Chloroform	ug/L	ND	25.0	06/01/24 00:17	
Tetrachloroethene	ug/L	ND	25.0	06/01/24 00:17	
Trichloroethene	ug/L	ND	25.0	06/01/24 00:17	
Vinyl chloride	ug/L	ND	25.0	06/01/24 00:17	
1,2-Dichlorobenzene-d4 (S)	%.	100	75-125	06/01/24 00:17	
4-Bromofluorobenzene (S)	%.	99	75-125	06/01/24 00:17	
Toluene-d8 (S)	%.	101	75-125	06/01/24 00:17	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA

Project: AquaTile_TCLP_05092024

Pace Project No.: 10692968

LABORATORY CONTROL SAMPLE: 4963739

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	500	481	96	75-125	
1,2-Dichloroethane	ug/L	500	488	98	75-125	
1,4-Dichlorobenzene	ug/L	500	473	95	75-125	
2-Butanone (MEK)	ug/L	2500	2350	94	72-125	
Benzene	ug/L	500	491	98	75-125	
Carbon tetrachloride	ug/L	500	502	100	75-125	
Chlorobenzene	ug/L	500	475	95	75-125	
Chloroform	ug/L	500	489	98	75-125	
Tetrachloroethene	ug/L	500	490	98	75-125	
Trichloroethene	ug/L	500	488	98	75-125	
Vinyl chloride	ug/L	500	495	99	69-130	
1,2-Dichlorobenzene-d4 (S)	%			99	75-125	
4-Bromofluorobenzene (S)	%			100	75-125	
Toluene-d8 (S)	%			102	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4963740 4963741

Parameter	10692968001		MS	MSD	MS	MSD	MS	MSD	% Rec	% Rec	% Rec	RPD	Qual
	Units	Result	Spike Conc.	Spike Conc.									
1,1-Dichloroethene	ug/L	ND	500	500	476	467	95	93	68-125			2	
1,2-Dichloroethane	ug/L	ND	500	500	469	460	94	92	75-125			2	
1,4-Dichlorobenzene	ug/L	ND	500	500	451	440	90	88	75-125			3	
2-Butanone (MEK)	ug/L	ND	2500	2500	2140	2150	85	86	61-130			1	
Benzene	ug/L	ND	500	500	479	459	96	92	73-125			4	
Carbon tetrachloride	ug/L	ND	500	500	498	487	100	97	73-125			2	
Chlorobenzene	ug/L	ND	500	500	464	453	93	91	75-125			2	
Chloroform	ug/L	ND	500	500	476	467	95	93	75-125			2	
Tetrachloroethene	ug/L	ND	500	500	484	464	97	93	68-125			4	
Trichloroethene	ug/L	ND	500	500	478	463	96	93	75-125			3	
Vinyl chloride	ug/L	ND	500	500	496	475	99	95	53-141			4	
1,2-Dichlorobenzene-d4 (S)	%						99	99	75-125				
4-Bromofluorobenzene (S)	%						101	101	75-125				
Toluene-d8 (S)	%						102	101	75-125				

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA

Project: AquaTile_TCLP_05092024

Pace Project No.: 10692968

QC Batch: 946335

Analysis Method: EPA 8081B

QC Batch Method: EPA 3510C

Analysis Description: 8081 GCS Pesticides, TCLP

Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10692968001

METHOD BLANK: 4950974

Matrix: Solid

Associated Lab Samples: 10692968001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chlordane (Technical)	ug/L	ND	5.0	05/20/24 14:57	
Endrin	ug/L	ND	1.0	05/20/24 14:57	
gamma-BHC (Lindane)	ug/L	ND	0.50	05/20/24 14:57	
Heptachlor	ug/L	ND	0.50	05/20/24 14:57	
Heptachlor epoxide	ug/L	ND	0.50	05/20/24 14:57	
Methoxychlor	ug/L	ND	5.0	05/20/24 14:57	
Toxaphene	ug/L	ND	15.0	05/20/24 14:57	
Decachlorobiphenyl (S)	%	90	62-125	05/20/24 14:57	
Tetrachloro-m-xylene (S)	%	78	43-125	05/20/24 14:57	

LABORATORY CONTROL SAMPLE: 4950975

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endrin	ug/L	10	9.2	92	70-125	
gamma-BHC (Lindane)	ug/L	5	4.8	97	69-125	
Heptachlor	ug/L	5	3.7	73	49-125	
Heptachlor epoxide	ug/L	5	4.4	89	75-125	
Methoxychlor	ug/L	50	47.1	94	58-128	
Decachlorobiphenyl (S)	%			88	62-125	
Tetrachloro-m-xylene (S)	%			82	43-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4950976

4950977

Parameter	Units	10692906001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Endrin	ug/L	ND	10	10	9.3	10.6	93	106	70-125	13	
gamma-BHC (Lindane)	ug/L	ND	5	5	4.3	4.9	85	99	69-125	15	
Heptachlor	ug/L	ND	5	5	3.1	4.4	62	88	49-125	35	R1
Heptachlor epoxide	ug/L	ND	5	5	4.1	4.8	81	95	75-125	16	
Methoxychlor	ug/L	ND	50	50	40.6	46.2	81	92	59-128	13	
Decachlorobiphenyl (S)	%						85	99	62-125		
Tetrachloro-m-xylene (S)	%						77	94	43-125		D3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA

Project: AquaTile_TCLP_05092024

Pace Project No.: 10692968

QC Batch: 946336

Analysis Method: EPA 8270E

QC Batch Method: EPA 3510C

Analysis Description: 8270E TCLP MSSV

Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10692968001

METHOD BLANK: 4950978

Matrix: Water

Associated Lab Samples: 10692968001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-Trichlorophenol	ug/L	ND	100	05/30/24 12:06	
2,4,6-Trichlorophenol	ug/L	ND	100	05/30/24 12:06	
2,4-Dinitrotoluene	ug/L	ND	100	05/30/24 12:06	
2-Methylphenol(o-Cresol)	ug/L	ND	100	05/30/24 12:06	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	100	05/30/24 12:06	
Hexachloro-1,3-butadiene	ug/L	ND	100	05/30/24 12:06	
Hexachlorobenzene	ug/L	ND	100	05/30/24 12:06	
Hexachloroethane	ug/L	ND	100	05/30/24 12:06	
Nitrobenzene	ug/L	ND	100	05/30/24 12:06	
Pentachlorophenol	ug/L	ND	200	05/30/24 12:06	
Pyridine	ug/L	ND	500	05/30/24 12:06	
2,4,6-Tribromophenol (S)	%.	110	62-127	05/30/24 12:06	
2-Fluorobiphenyl (S)	%.	80	47-125	05/30/24 12:06	
2-Fluorophenol (S)	%.	89	30-125	05/30/24 12:06	
Nitrobenzene-d5 (S)	%.	93	50-125	05/30/24 12:06	
p-Terphenyl-d14 (S)	%.	100	63-125	05/30/24 12:06	
Phenol-d6 (S)	%.	79	10-125	05/30/24 12:06	

LABORATORY CONTROL SAMPLE: 4950979

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-Trichlorophenol	ug/L	500	540	108	60-125	
2,4,6-Trichlorophenol	ug/L	500	538	108	59-125	
2,4-Dinitrotoluene	ug/L	500	571	114	65-129	
2-Methylphenol(o-Cresol)	ug/L	500	499	100	33-125	
3&4-Methylphenol(m&p Cresol)	ug/L	500	532	106	30-125	
Hexachloro-1,3-butadiene	ug/L	500	385	77	30-125	
Hexachlorobenzene	ug/L	500	525	105	63-125	
Hexachloroethane	ug/L	500	313	63	30-125	
Nitrobenzene	ug/L	500	448	90	54-125	
Pentachlorophenol	ug/L	500	606	121	60-125	
Pyridine	ug/L	500	216J	43	30-125	
2,4,6-Tribromophenol (S)	%.			108	62-127	
2-Fluorobiphenyl (S)	%.			89	47-125	
2-Fluorophenol (S)	%.			80	30-125	
Nitrobenzene-d5 (S)	%.			82	50-125	
p-Terphenyl-d14 (S)	%.			99	63-125	
Phenol-d6 (S)	%.			76	10-125	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA

Project: AquaTile_TCLP_05092024

Pace Project No.: 10692968

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4950980 4950981											
Parameter	Units	10692968001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
2,4,5-Trichlorophenol	ug/L	ND	500	500	566	536	113	107	75-125	6	
2,4,6-Trichlorophenol	ug/L	ND	500	500	569	543	114	109	30-150	5	
2,4-Dinitrotoluene	ug/L	ND	500	500	593	564	119	113	63-130	5	
2-Methylphenol(o-Cresol)	ug/L	ND	500	500	536	529	107	106	33-125	1	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	500	500	551	529	110	106	30-125	4	
Hexachloro-1,3-butadiene	ug/L	ND	500	500	389	387	78	77	30-125	1	
Hexachlorobenzene	ug/L	ND	500	500	491	481	98	96	61-132	2	
Hexachloroethane	ug/L	ND	500	500	333	324	67	65	30-125	3	
Nitrobenzene	ug/L	ND	500	500	443	459	89	92	54-125	4	
Pentachlorophenol	ug/L	ND	500	500	603	607	121	121	60-129	1	
Pyridine	ug/L	ND	500	500	238J	238J	48	48	30-125		
2,4,6-Tribromophenol (S)	%						112	105	62-127		
2-Fluorobiphenyl (S)	%						92	84	47-125		
2-Fluorophenol (S)	%						82	81	30-125		
Nitrobenzene-d5 (S)	%						87	83	50-125		
p-Terphenyl-d14 (S)	%						97	95	63-125		
Phenol-d6 (S)	%						81	79	10-125		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



QUALIFIERS

Project: AquaTile_TCLP_05092024

Pace Project No.: 10692968

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

H3 Sample was received or analysis requested beyond the recognized method holding time.

R1 RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: AquaTile_TCLP_05092024

Pace Project No.: 10692968

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10692968001	AT-001	8151A	2299478	EPA 8151A	2299478
10692968001	AT-001	EPA 3510C	946335	EPA 8081B	946849
10692968001	AT-001	EPA 3015A	946256	EPA 6010D	946310
10692968001	AT-001	EPA 7470A	946255	EPA 7470A	946348
10692968001	AT-001	EPA 3510C	946336	EPA 8270E	947064
10692968001	AT-001	EPA 8260D	948814		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.