Riverside Tool Corp. Response
Attachment 5

Lab Analysis of Disposal Totes

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7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

June 26, 2014

Ron Migedt
Riverside Tool Corp
3504 Henke Street
Elkhart, IN 46514

RE: Project: Waste Analysis
Pace Project No.: 5099526

Dear Ron Migedt:
Enclosed are the analytical results for sample(s) received by the laboratory on June 19, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lyle Cable
lyle.cable@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: Waste Analysis
Pace Project No.: 5099526

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #: E-10247

Kentucky UST Certification #: 0042
Louisiana/NELAP Certification #: 04076
Ohio VAP Certification #: CL-0065
West Virginia Certification #: 330

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SAMPLE SUMMARY

Project: Waste Analysis
Pace Project No.: 5099526

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5099526001	**Coolant Waste**	Water	06/18/14 13:45	06/19/14 10:28
5099526002	**PlateW6/Oxide Waste**	Water	06/18/14 13:15	06/19/14 10:28

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SAMPLE ANALYTE COUNT

Project: Waste Analysis
Pace Project No.: 5099526

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
5099526001	**Coolant Waste**	EPA 625	SN	63	PASI-I
		EPA 624	JLZ	39	PASI-I
5099526002	**PlateW6/Oxide Waste**	EPA 625	SN	63	PASI-I
		EPA 624	JLZ	39	PASI-I

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ANALYTICAL RESULTS

Project: Waste Analysis
Pace Project No.: 5099526

Sample: Coolant Waste **Lab ID: 5099526001** Collected: 06/18/14 13:45 Received: 06/19/14 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV	Analytical Method: EPA 625 Preparation Method: EPA 625							
Acenaphthene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	83-32-9	N2
Acenaphthylene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	208-96-8	N2
Anthracene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	120-12-7	N2
Benzidine	ND	ug/L	25000	10	06/24/14 10:38	06/24/14 21:50	92-87-5	N2
Benzo(a)anthracene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	56-55-3	N2
Benzo(a)pyrene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	50-32-8	N2
Benzo(b)fluoranthene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	205-99-2	N2
Benzo(g,h,i)perylene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	191-24-2	N2
Benzo(k)fluoranthene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	207-08-9	N2
4-Bromophenylphenyl ether	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	101-55-3	N2
Butylbenzylphthalate	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	85-68-7	N2
4-Chloro-3-methylphenol	ND	ug/L	10000	10	06/24/14 10:38	06/24/14 21:50	59-50-7	N2
bis(2-Chloroethoxy)methane	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	111-91-1	N2
bis(2-Chloroethyl) ether	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	111-44-4	N2
bis(2-Chloroisopropyl) ether	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	108-60-1	N2
2-Chloronaphthalene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	91-58-7	N2
2-Chlorophenol	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	95-57-8	N2
4-Chlorophenylphenyl ether	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	7005-72-3	N2
Chrysene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	218-01-9	N2
Dibenz(a,h)anthracene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	53-70-3	N2
1,2-Dichlorobenzene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	95-50-1	N2
1,3-Dichlorobenzene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	541-73-1	N2
1,4-Dichlorobenzene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	106-46-7	N2
3,3'-Dichlorobenzidine	ND	ug/L	10000	10	06/24/14 10:38	06/24/14 21:50	91-94-1	N2
2,4-Dichlorophenol	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	120-83-2	N2
Diethylphthalate	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	84-66-2	N2
2,4-Dimethylphenol	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	105-67-9	N2
Dimethylphthalate	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	131-11-3	N2
Di-n-butylphthalate	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	84-74-2	N2
4,6-Dinitro-2-methylphenol	ND	ug/L	25000	10	06/24/14 10:38	06/24/14 21:50	534-52-1	N2
2,4-Dinitrophenol	ND	ug/L	25000	10	06/24/14 10:38	06/24/14 21:50	51-28-5	N2
2,4-Dinitrotoluene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	121-14-2	N2
2,6-Dinitrotoluene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	606-20-2	N2
Di-n-octylphthalate	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	117-84-0	N2
1,2-Diphenylhydrazine	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	122-66-7	N2
bis(2-Ethylhexyl)phthalate	**5970**	ug/L	2500	10	06/24/14 10:38	06/24/14 21:50	117-81-7	N2
Fluoranthene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	206-44-0	N2
Fluorene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	86-73-7	N2
Hexachloro-1,3-butadiene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	87-68-3	N2
Hexachlorobenzene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	118-74-1	N2
Hexachlorocyclopentadiene	ND	ug/L	10000	10	06/24/14 10:38	06/24/14 21:50	77-47-4	N2
Hexachloroethane	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	67-72-1	N2
Indeno(1,2,3-cd)pyrene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	193-39-5	N2
Isophorone	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	78-59-1	N2
Naphthalene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	91-20-3	N2
Nitrobenzene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	98-95-3	N2
2-Nitrophenol	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	88-75-5	N2

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ANALYTICAL RESULTS

Project: Waste Analysis
Pace Project No.: 5099526

Sample: Coolant Waste **Lab ID: 5099526001** Collected: 06/18/14 13:45 Received: 06/19/14 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV	Analytical Method: EPA 625 Preparation Method: EPA 625							
4-Nitrophenol	ND	ug/L	25000	10	06/24/14 10:38	06/24/14 21:50	100-02-7	N2
N-Nitrosodimethylamine	ND	ug/L	10000	10	06/24/14 10:38	06/24/14 21:50	62-75-9	N2
N-Nitroso-di-n-propylamine	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	621-64-7	N2
N-Nitrosodiphenylamine	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	86-30-6	N2
Pentachlorophenol	ND	ug/L	25000	10	06/24/14 10:38	06/24/14 21:50	87-86-5	N2
Phenanthrene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	85-01-8	N2
Phenol	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	108-95-2	2d,N2, P3
Pyrene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	129-00-0	N2
1,2,4-Trichlorobenzene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	120-82-1	N2
2,4,6-Trichlorophenol	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 21:50	88-06-2	N2
Surrogates								
2-Fluorophenol (S)	0	%.	10-67	10	06/24/14 10:38	06/24/14 21:50	367-12-4	S4
Phenol-d5 (S)	0	%.	10-47	10	06/24/14 10:38	06/24/14 21:50	4165-62-2	S4
Nitrobenzene-d5 (S)	28	%.	29-126	10	06/24/14 10:38	06/24/14 21:50	4165-60-0	S4
2-Fluorobiphenyl (S)	43	%.	31-118	10	06/24/14 10:38	06/24/14 21:50	321-60-8	
2,4,6-Tribromophenol (S)	0	%.	31-161	10	06/24/14 10:38	06/24/14 21:50	118-79-6	S4
p-Terphenyl-d14 (S)	71	%.	28-129	10	06/24/14 10:38	06/24/14 21:50	1718-51-0	
624 Volatile Organics	Analytical Method: EPA 624							
Benzene	ND	ug/L	50.0	10		06/23/14 12:28	71-43-2	1d
Bromodichloromethane	ND	ug/L	50.0	10		06/23/14 12:28	75-27-4	
Bromoform	ND	ug/L	50.0	10		06/23/14 12:28	75-25-2	
Bromomethane	ND	ug/L	50.0	10		06/23/14 12:28	74-83-9	
Carbon tetrachloride	ND	ug/L	50.0	10		06/23/14 12:28	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		06/23/14 12:28	108-90-7	
Chloroethane	ND	ug/L	50.0	10		06/23/14 12:28	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	500	10		06/23/14 12:28	110-75-8	
Chloroform	ND	ug/L	50.0	10		06/23/14 12:28	67-66-3	
Chloromethane	ND	ug/L	50.0	10		06/23/14 12:28	74-87-3	
Dibromochloromethane	ND	ug/L	50.0	10		06/23/14 12:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		06/23/14 12:28	106-93-4	N2
1,2-Dichlorobenzene	ND	ug/L	50.0	10		06/23/14 12:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	10		06/23/14 12:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	10		06/23/14 12:28	106-46-7	
1,1-Dichloroethane	ND	ug/L	50.0	10		06/23/14 12:28	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		06/23/14 12:28	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		06/23/14 12:28	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	50.0	10		06/23/14 12:28	156-59-2	N2
trans-1,2-Dichloroethene	ND	ug/L	50.0	10		06/23/14 12:28	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		06/23/14 12:28	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		06/23/14 12:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		06/23/14 12:28	10061-02-6	
Ethylbenzene	ND	ug/L	50.0	10		06/23/14 12:28	100-41-4	
Methylene Chloride	**2750**	ug/L	50.0	10		06/23/14 12:28	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	50.0	10		06/23/14 12:28	1634-04-4	
Naphthalene	ND	ug/L	50.0	10		06/23/14 12:28	91-20-3	N2

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ANALYTICAL RESULTS

Project: Waste Analysis
Pace Project No.: 5099526

Sample: Coolant Waste **Lab ID: 5099526001** Collected: 06/18/14 13:45 Received: 06/19/14 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics	Analytical Method: EPA 624							
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		06/23/14 12:28	79-34-5	
Tetrachloroethene	**2930**	ug/L	50.0	10		06/23/14 12:28	127-18-4	
Toluene	ND	ug/L	50.0	10		06/23/14 12:28	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		06/23/14 12:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		06/23/14 12:28	79-00-5	
Trichloroethene	ND	ug/L	50.0	10		06/23/14 12:28	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	10		06/23/14 12:28	75-69-4	
Vinyl chloride	ND	ug/L	20.0	10		06/23/14 12:28	75-01-4	
Xylene (Total)	ND	ug/L	100	10		06/23/14 12:28	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%.	79-116	10		06/23/14 12:28	1868-53-7	D4
4-Bromofluorobenzene (S)	92	%.	80-114	10		06/23/14 12:28	460-00-4	
Toluene-d8 (S)	103	%.	81-110	10		06/23/14 12:28	2037-26-5	

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ANALYTICAL RESULTS

Project: Waste Analysis
Pace Project No.: 5099526

Sample: PlateW6/Oxide Waste **Lab ID: 5099526002** Collected: 06/18/14 13:15 Received: 06/19/14 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV	Analytical Method: EPA 625 Preparation Method: EPA 625							
Acenaphthene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	83-32-9	N2
Acenaphthylene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	208-96-8	N2
Anthracene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	120-12-7	N2
Benzidine	ND	ug/L	25000	10	06/24/14 10:38	06/24/14 22:13	92-87-5	N2
Benzo(a)anthracene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	56-55-3	N2
Benzo(a)pyrene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	50-32-8	N2
Benzo(b)fluoranthene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	205-99-2	N2
Benzo(g,h,i)perylene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	191-24-2	N2
Benzo(k)fluoranthene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	207-08-9	N2
4-Bromophenylphenyl ether	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	101-55-3	N2
Butylbenzylphthalate	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	85-68-7	N2
4-Chloro-3-methylphenol	ND	ug/L	10000	10	06/24/14 10:38	06/24/14 22:13	59-50-7	N2
bis(2-Chloroethoxy)methane	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	111-91-1	N2
bis(2-Chloroethyl) ether	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	111-44-4	N2
bis(2-Chloroisopropyl) ether	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	108-60-1	N2
2-Chloronaphthalene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	91-58-7	N2
2-Chlorophenol	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	95-57-8	N2
4-Chlorophenylphenyl ether	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	7005-72-3	N2
Chrysene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	218-01-9	N2
Dibenz(a,h)anthracene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	53-70-3	N2
1,2-Dichlorobenzene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	95-50-1	N2
1,3-Dichlorobenzene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	541-73-1	N2
1,4-Dichlorobenzene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	106-46-7	N2
3,3'-Dichlorobenzidine	ND	ug/L	10000	10	06/24/14 10:38	06/24/14 22:13	91-94-1	N2
2,4-Dichlorophenol	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	120-83-2	N2
Diethylphthalate	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	84-66-2	N2
2,4-Dimethylphenol	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	105-67-9	N2
Dimethylphthalate	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	131-11-3	N2
Di-n-butylphthalate	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	84-74-2	N2
4,6-Dinitro-2-methylphenol	ND	ug/L	25000	10	06/24/14 10:38	06/24/14 22:13	534-52-1	N2
2,4-Dinitrophenol	ND	ug/L	25000	10	06/24/14 10:38	06/24/14 22:13	51-28-5	N2
2,4-Dinitrotoluene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	121-14-2	N2
2,6-Dinitrotoluene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	606-20-2	N2
Di-n-octylphthalate	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	117-84-0	N2
1,2-Diphenylhydrazine	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	122-66-7	N2
bis(2-Ethylhexyl)phthalate	**6320**	ug/L	2500	10	06/24/14 10:38	06/24/14 22:13	117-81-7	N2
Fluoranthene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	206-44-0	N2
Fluorene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	86-73-7	N2
Hexachloro-1,3-butadiene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	87-68-3	N2
Hexachlorobenzene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	118-74-1	N2
Hexachlorocyclopentadiene	ND	ug/L	10000	10	06/24/14 10:38	06/24/14 22:13	77-47-4	N2
Hexachloroethane	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	67-72-1	N2
Indeno(1,2,3-cd)pyrene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	193-39-5	N2
Isophorone	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	78-59-1	N2
Naphthalene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	91-20-3	N2
Nitrobenzene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	98-95-3	N2
2-Nitrophenol	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	88-75-5	N2

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ANALYTICAL RESULTS

Project: Waste Analysis
Pace Project No.: 5099526

Sample: PlateW6/Oxide Waste **Lab ID: 5099526002** Collected: 06/18/14 13:15 Received: 06/19/14 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV	Analytical Method: EPA 625 Preparation Method: EPA 625							
4-Nitrophenol	ND	ug/L	25000	10	06/24/14 10:38	06/24/14 22:13	100-02-7	N2
N-Nitrosodimethylamine	ND	ug/L	10000	10	06/24/14 10:38	06/24/14 22:13	62-75-9	N2
N-Nitroso-di-n-propylamine	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	621-64-7	N2
N-Nitrosodiphenylamine	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	86-30-6	N2
Pentachlorophenol	ND	ug/L	25000	10	06/24/14 10:38	06/24/14 22:13	87-86-5	N2
Phenanthrene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	85-01-8	N2
Phenol	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	108-95-2	2d,N2, P3
Pyrene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	129-00-0	N2
1,2,4-Trichlorobenzene	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	120-82-1	N2
2,4,6-Trichlorophenol	ND	ug/L	5000	10	06/24/14 10:38	06/24/14 22:13	88-06-2	N2
Surrogates								
2-Fluorophenol (S)	0	%.	10-67	10	06/24/14 10:38	06/24/14 22:13	367-12-4	S4
Phenol-d5 (S)	0	%.	10-47	10	06/24/14 10:38	06/24/14 22:13	4165-62-2	S4
Nitrobenzene-d5 (S)	21	%.	29-126	10	06/24/14 10:38	06/24/14 22:13	4165-60-0	S4
2-Fluorobiphenyl (S)	32	%.	31-118	10	06/24/14 10:38	06/24/14 22:13	321-60-8	
2,4,6-Tribromophenol (S)	0	%.	31-161	10	06/24/14 10:38	06/24/14 22:13	118-79-6	S4
p-Terphenyl-d14 (S)	48	%.	28-129	10	06/24/14 10:38	06/24/14 22:13	1718-51-0	
624 Volatile Organics	Analytical Method: EPA 624							
Benzene	ND	ug/L	50.0	10		06/23/14 13:01	71-43-2	1d
Bromodichloromethane	ND	ug/L	50.0	10		06/23/14 13:01	75-27-4	
Bromoform	ND	ug/L	50.0	10		06/23/14 13:01	75-25-2	
Bromomethane	ND	ug/L	50.0	10		06/23/14 13:01	74-83-9	
Carbon tetrachloride	ND	ug/L	50.0	10		06/23/14 13:01	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		06/23/14 13:01	108-90-7	
Chloroethane	ND	ug/L	50.0	10		06/23/14 13:01	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	500	10		06/23/14 13:01	110-75-8	
Chloroform	ND	ug/L	50.0	10		06/23/14 13:01	67-66-3	
Chloromethane	ND	ug/L	50.0	10		06/23/14 13:01	74-87-3	
Dibromochloromethane	ND	ug/L	50.0	10		06/23/14 13:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		06/23/14 13:01	106-93-4	N2
1,2-Dichlorobenzene	ND	ug/L	50.0	10		06/23/14 13:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	10		06/23/14 13:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	10		06/23/14 13:01	106-46-7	
1,1-Dichloroethane	ND	ug/L	50.0	10		06/23/14 13:01	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		06/23/14 13:01	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		06/23/14 13:01	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	50.0	10		06/23/14 13:01	156-59-2	N2
trans-1,2-Dichloroethene	ND	ug/L	50.0	10		06/23/14 13:01	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		06/23/14 13:01	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		06/23/14 13:01	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		06/23/14 13:01	10061-02-6	
Ethylbenzene	ND	ug/L	50.0	10		06/23/14 13:01	100-41-4	
Methylene Chloride	ND	ug/L	50.0	10		06/23/14 13:01	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	50.0	10		06/23/14 13:01	1634-04-4	
Naphthalene	ND	ug/L	50.0	10		06/23/14 13:01	91-20-3	N2

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ANALYTICAL RESULTS

Project: Waste Analysis
Pace Project No.: 5099526

Sample: PlateW6/Oxide Waste **Lab ID: 5099526002** Collected: 06/18/14 13:15 Received: 06/19/14 10:28 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics	Analytical Method: EPA 624							
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		06/23/14 13:01	79-34-5	
Tetrachloroethene	**545**	ug/L	50.0	10		06/23/14 13:01	127-18-4	
Toluene	ND	ug/L	50.0	10		06/23/14 13:01	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		06/23/14 13:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		06/23/14 13:01	79-00-5	
Trichloroethene	ND	ug/L	50.0	10		06/23/14 13:01	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	10		06/23/14 13:01	75-69-4	
Vinyl chloride	ND	ug/L	20.0	10		06/23/14 13:01	75-01-4	
Xylene (Total)	ND	ug/L	100	10		06/23/14 13:01	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%.	79-116	10		06/23/14 13:01	1868-53-7	D3,p2
4-Bromofluorobenzene (S)	112	%.	80-114	10		06/23/14 13:01	460-00-4	
Toluene-d8 (S)	98	%.	81-110	10		06/23/14 13:01	2037-26-5	

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QUALITY CONTROL DATA

Project: Waste Analysis
Pace Project No.: 5099526

QC Batch: MSV/66033 Analysis Method: EPA 624
QC Batch Method: EPA 624 Analysis Description: 624 MSV
Associated Lab Samples: 5099526001, 5099526002

METHOD BLANK: 1116040 Matrix: Water
Associated Lab Samples: 5099526001, 5099526002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	06/23/14 11:23	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	06/23/14 11:23	
1,1,2-Trichloroethane	ug/L	ND	5.0	06/23/14 11:23	
1,1-Dichloroethane	ug/L	ND	5.0	06/23/14 11:23	
1,1-Dichloroethene	ug/L	ND	5.0	06/23/14 11:23	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	06/23/14 11:23	N2
1,2-Dichlorobenzene	ug/L	ND	5.0	06/23/14 11:23	
1,2-Dichloroethane	ug/L	ND	5.0	06/23/14 11:23	
1,2-Dichloropropane	ug/L	ND	5.0	06/23/14 11:23	
1,3-Dichlorobenzene	ug/L	ND	5.0	06/23/14 11:23	
1,4-Dichlorobenzene	ug/L	ND	5.0	06/23/14 11:23	
2-Chloroethylvinyl ether	ug/L	ND	50.0	06/23/14 11:23	
Benzene	ug/L	ND	5.0	06/23/14 11:23	
Bromodichloromethane	ug/L	ND	5.0	06/23/14 11:23	
Bromoform	ug/L	ND	5.0	06/23/14 11:23	
Bromomethane	ug/L	ND	5.0	06/23/14 11:23	
Carbon tetrachloride	ug/L	ND	5.0	06/23/14 11:23	
Chlorobenzene	ug/L	ND	5.0	06/23/14 11:23	
Chloroethane	ug/L	ND	5.0	06/23/14 11:23	
Chloroform	ug/L	ND	5.0	06/23/14 11:23	
Chloromethane	ug/L	ND	5.0	06/23/14 11:23	
cis-1,2-Dichloroethene	ug/L	ND	5.0	06/23/14 11:23	N2
cis-1,3-Dichloropropene	ug/L	ND	5.0	06/23/14 11:23	
Dibromochloromethane	ug/L	ND	5.0	06/23/14 11:23	
Ethylbenzene	ug/L	ND	5.0	06/23/14 11:23	
Methyl-tert-butyl ether	ug/L	ND	5.0	06/23/14 11:23	
Methylene Chloride	ug/L	ND	5.0	06/23/14 11:23	
Naphthalene	ug/L	ND	5.0	06/23/14 11:23	N2
Tetrachloroethene	ug/L	ND	5.0	06/23/14 11:23	
Toluene	ug/L	ND	5.0	06/23/14 11:23	
trans-1,2-Dichloroethene	ug/L	ND	5.0	06/23/14 11:23	
trans-1,3-Dichloropropene	ug/L	ND	5.0	06/23/14 11:23	
Trichloroethene	ug/L	ND	5.0	06/23/14 11:23	
Trichlorofluoromethane	ug/L	ND	5.0	06/23/14 11:23	
Vinyl chloride	ug/L	ND	2.0	06/23/14 11:23	
Xylene (Total)	ug/L	ND	10.0	06/23/14 11:23	
4-Bromofluorobenzene (S)	%.	99	80-114	06/23/14 11:23	
Dibromofluoromethane (S)	%.	97	79-116	06/23/14 11:23	
Toluene-d8 (S)	%.	102	81-110	06/23/14 11:23	

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QUALITY CONTROL DATA

Project: Waste Analysis
Pace Project No.: 5099526

LABORATORY CONTROL SAMPLE: 1116041

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	17.8	89	69-126	
1,1,2,2-Tetrachloroethane	ug/L	20	18.2	91	46-157	
1,1,2-Trichloroethane	ug/L	20	19.1	96	52-150	
1,1-Dichloroethane	ug/L	20	18.5	93	59-155	
1,1-Dichloroethene	ug/L	20	17.3	87	1-234	
1,2-Dibromoethane (EDB)	ug/L	20	18.4	92	70-130	N2
1,2-Dichlorobenzene	ug/L	20	18.9	95	18-190	
1,2-Dichloroethane	ug/L	20	18.4	92	49-155	
1,2-Dichloropropane	ug/L	20	19.0	95	1-210	
1,3-Dichlorobenzene	ug/L	20	18.5	93	59-156	
1,4-Dichlorobenzene	ug/L	20	18.5	93	18-190	
2-Chloroethylvinyl ether	ug/L	20	ND	65	1-305	
Benzene	ug/L	20	20.6	103	37-151	
Bromodichloromethane	ug/L	20	18.2	91	35-155	
Bromoform	ug/L	20	19.8	99	45-169	
Bromomethane	ug/L	20	22.3	112	1-242	
Carbon tetrachloride	ug/L	20	19.9	100	70-140	
Chlorobenzene	ug/L	20	18.9	95	37-160	
Chloroethane	ug/L	20	21.1	106	14-230	
Chloroform	ug/L	20	18.8	94	51-138	
Chloromethane	ug/L	20	21.3	107	1-273	
cis-1,2-Dichloroethene	ug/L	20	18.0	90	75-123	N2
cis-1,3-Dichloropropene	ug/L	20	17.5	87	1-227	
Dibromochloromethane	ug/L	20	17.3	87	53-149	
Ethylbenzene	ug/L	20	19.0	95	37-162	
Methyl-tert-butyl ether	ug/L	40	34.6	87	66-130	
Methylene Chloride	ug/L	20	12.3	62	1-221	
Naphthalene	ug/L	20	19.8	99	57-135	N2
Tetrachloroethene	ug/L	20	18.9	95	64-148	
Toluene	ug/L	20	18.8	94	47-150	
trans-1,2-Dichloroethene	ug/L	20	18.2	91	54-156	
trans-1,3-Dichloropropene	ug/L	20	18.6	93	17-183	
Trichloroethene	ug/L	20	18.4	92	71-157	
Trichlorofluoromethane	ug/L	20	20.8	104	17-181	
Vinyl chloride	ug/L	20	22.8	114	1-251	
Xylene (Total)	ug/L	60	57.5	96	77-123	
4-Bromofluorobenzene (S)	%.			99	80-114	
Dibromofluoromethane (S)	%.			100	79-116	
Toluene-d8 (S)	%.			101	81-110	

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QUALITY CONTROL DATA

Project: Waste Analysis
Pace Project No.: 5099526

QC Batch: OEXT/36208
QC Batch Method: EPA 625
Analysis Method: EPA 625
Analysis Description: 625 MSS
Associated Lab Samples: 5099526001, 5099526002

METHOD BLANK: 1116341
Matrix: Water
Associated Lab Samples: 5099526001, 5099526002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	10.0	06/24/14 18:20	N2
1,2-Dichlorobenzene	ug/L	ND	10.0	06/24/14 18:20	N2
1,2-Diphenylhydrazine	ug/L	ND	10.0	06/24/14 18:20	N2
1,3-Dichlorobenzene	ug/L	ND	10.0	06/24/14 18:20	N2
1,4-Dichlorobenzene	ug/L	ND	10.0	06/24/14 18:20	N2
2,4,6-Trichlorophenol	ug/L	ND	10.0	06/24/14 18:20	N2
2,4-Dichlorophenol	ug/L	ND	10.0	06/24/14 18:20	N2
2,4-Dimethylphenol	ug/L	ND	50.0	06/24/14 18:20	N2
2,4-Dinitrophenol	ug/L	ND	10.0	06/24/14 18:20	N2
2,4-Dinitrotoluene	ug/L	ND	10.0	06/24/14 18:20	N2
2,6-Dinitrotoluene	ug/L	ND	10.0	06/24/14 18:20	N2
2-Chloronaphthalene	ug/L	ND	10.0	06/24/14 18:20	N2
2-Chlorophenol	ug/L	ND	10.0	06/24/14 18:20	N2
2-Nitrophenol	ug/L	ND	20.0	06/24/14 18:20	N2
3,3'-Dichlorobenzidine	ug/L	ND	50.0	06/24/14 18:20	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	10.0	06/24/14 18:20	N2
4-Bromophenylphenyl ether	ug/L	ND	20.0	06/24/14 18:20	N2
4-Chloro-3-methylphenol	ug/L	ND	10.0	06/24/14 18:20	N2
4-Chlorophenylphenyl ether	ug/L	ND	50.0	06/24/14 18:20	N2
4-Nitrophenol	ug/L	ND	10.0	06/24/14 18:20	N2
Acenaphthene	ug/L	ND	10.0	06/24/14 18:20	N2
Acenaphthylene	ug/L	ND	10.0	06/24/14 18:20	N2
Anthracene	ug/L	ND	50.0	06/24/14 18:20	N2
Benzidine	ug/L	ND	10.0	06/24/14 18:20	N2
Benzo(a)anthracene	ug/L	ND	10.0	06/24/14 18:20	N2
Benzo(a)pyrene	ug/L	ND	10.0	06/24/14 18:20	N2
Benzo(b)fluoranthene	ug/L	ND	10.0	06/24/14 18:20	N2
Benzo(g,h,i)perylene	ug/L	ND	10.0	06/24/14 18:20	N2
Benzo(k)fluoranthene	ug/L	ND	10.0	06/24/14 18:20	N2
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	06/24/14 18:20	N2
bis(2-Chloroethyl) ether	ug/L	ND	10.0	06/24/14 18:20	N2
bis(2-Chloroisopropyl) ether	ug/L	ND	5.0	06/24/14 18:20	N2
bis(2-Ethylhexyl)phthalate	ug/L	ND	10.0	06/24/14 18:20	N2
Butylbenzylphthalate	ug/L	ND	10.0	06/24/14 18:20	N2
Chrysene	ug/L	ND	10.0	06/24/14 18:20	N2
Di-n-butylphthalate	ug/L	ND	10.0	06/24/14 18:20	N2
Di-n-octylphthalate	ug/L	ND	10.0	06/24/14 18:20	N2
Dibenz(a,h)anthracene	ug/L	ND	10.0	06/24/14 18:20	N2
Diethylphthalate	ug/L	ND	10.0	06/24/14 18:20	N2
Dimethylphthalate	ug/L	ND	10.0	06/24/14 18:20	N2
Fluoranthene	ug/L	ND	10.0	06/24/14 18:20	N2

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QUALITY CONTROL DATA

Project: Waste Analysis
Pace Project No.: 5099526

METHOD BLANK: 1116341 Matrix: Water
Associated Lab Samples: 5099526001, 5099526002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fluorene	ug/L	ND	10.0	06/24/14 18:20	N2
Hexachloro-1,3-butadiene	ug/L	ND	10.0	06/24/14 18:20	N2
Hexachlorobenzene	ug/L	ND	10.0	06/24/14 18:20	N2
Hexachlorocyclopentadiene	ug/L	ND	20.0	06/24/14 18:20	N2
Hexachloroethane	ug/L	ND	10.0	06/24/14 18:20	N2
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	06/24/14 18:20	N2
Isophorone	ug/L	ND	10.0	06/24/14 18:20	N2
N-Nitroso-di-n-propylamine	ug/L	ND	10.0	06/24/14 18:20	N2
N-Nitrosodimethylamine	ug/L	ND	20.0	06/24/14 18:20	N2
N-Nitrosodiphenylamine	ug/L	ND	10.0	06/24/14 18:20	N2
Naphthalene	ug/L	ND	10.0	06/24/14 18:20	N2
Nitrobenzene	ug/L	ND	10.0	06/24/14 18:20	N2
Pentachlorophenol	ug/L	ND	50.0	06/24/14 18:20	N2
Phenanthrene	ug/L	ND	10.0	06/24/14 18:20	N2
Phenol	ug/L	ND	10.0	06/24/14 18:20	N2
Pyrene	ug/L	ND	10.0	06/24/14 18:20	N2
2,4,6-Tribromophenol (S)	%.	96	31-161	06/24/14 18:20	
2-Fluorobiphenyl (S)	%.	85	31-118	06/24/14 18:20	
2-Fluorophenol (S)	%.	30	10-67	06/24/14 18:20	
Nitrobenzene-d5 (S)	%.	91	29-126	06/24/14 18:20	
p-Terphenyl-d14 (S)	%.	86	28-129	06/24/14 18:20	
Phenol-d5 (S)	%.	17	10-47	06/24/14 18:20	

LABORATORY CONTROL SAMPLE: 1116342

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	100	77.9	78	44-142	N2
1,2-Dichlorobenzene	ug/L	100	81.5	81	32-129	N2
1,2-Diphenylhydrazine	ug/L	100	92.1	92	53-114	N2
1,3-Dichlorobenzene	ug/L	100	77.3	77	1-172	N2
1,4-Dichlorobenzene	ug/L	100	78.7	79	20-124	N2
2,4,6-Trichlorophenol	ug/L	100	87.5	88	37-144	N2
2,4-Dichlorophenol	ug/L	100	77.9	78	39-135	N2
2,4-Dimethylphenol	ug/L	100	72.3	72	32-119	N2
2,4-Dinitrophenol	ug/L	100	ND	13	1-191	N2
2,4-Dinitrotoluene	ug/L	100	103	103	39-139	N2
2,6-Dinitrotoluene	ug/L	100	103	103	50-158	N2
2-Chloronaphthalene	ug/L	100	87.4	87	60-118	N2
2-Chlorophenol	ug/L	100	62.8	63	23-134	N2
2-Nitrophenol	ug/L	100	84.0	84	29-182	N2
3,3'-Dichlorobenzidine	ug/L	100	118	118	1-262	N2
4,6-Dinitro-2-methylphenol	ug/L	100	89.3	89	1-181	N2
4-Bromophenylphenyl ether	ug/L	100	87.1	87	53-127	N2
4-Chloro-3-methylphenol	ug/L	100	71.3	71	22-147	N2

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

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Date: 06/26/2014 09:55 AM

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Columbus, OH 43215
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QUALITY CONTROL DATA

Project: Waste Analysis
Pace Project No.: 5099526

LABORATORY CONTROL SAMPLE: 1116342

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Chlorophenylphenyl ether	ug/L	100	85.6	86	25-158	N2
4-Nitrophenol	ug/L	100	ND	21	1-132	N2
Acenaphthene	ug/L	100	84.6	85	47-145	N2
Acenaphthylene	ug/L	100	87.6	88	33-145	N2
Anthracene	ug/L	100	88.2	88	27-133	N2
Benzidine	ug/L	100	ND	18	1-130	N2
Benzo(a)anthracene	ug/L	100	70.7	71	33-143	N2
Benzo(a)pyrene	ug/L	100	64.3	64	17-163	N2
Benzo(b)fluoranthene	ug/L	100	63.7	64	24-159	N2
Benzo(g,h,i)perylene	ug/L	100	65.5	65	1-219	N2
Benzo(k)fluoranthene	ug/L	100	67.7	68	11-162	N2
bis(2-Chloroethoxy)methane	ug/L	100	90.4	90	33-184	N2
bis(2-Chloroethyl) ether	ug/L	100	86.1	86	12-158	N2
bis(2-Chloroisopropyl) ether	ug/L	100	85.1	85	36-166	N2
bis(2-Ethylhexyl)phthalate	ug/L	100	73.7	74	8-158	N2
Butylbenzylphthalate	ug/L	100	86.4	86	1-152	N2
Chrysene	ug/L	100	70.4	70	17-168	N2
Di-n-butylphthalate	ug/L	100	92.0	92	1-118	N2
Di-n-octylphthalate	ug/L	100	67.5	68	4-146	N2
Dibenz(a,h)anthracene	ug/L	100	67.1	67	1-227	N2
Diethylphthalate	ug/L	100	99.7	100	1-114	N2
Dimethylphthalate	ug/L	100	98.1	98	1-112	N2
Fluoranthene	ug/L	100	84.9	85	26-137	N2
Fluorene	ug/L	100	88.9	89	59-121	N2
Hexachloro-1,3-butadiene	ug/L	100	72.6	73	24-116	N2
Hexachlorobenzene	ug/L	100	76.9	77	1-152	N2
Hexachlorocyclopentadiene	ug/L	100	36.7	37	32-86	N2
Hexachloroethane	ug/L	100	73.5	73	40-113	N2
Indeno(1,2,3-cd)pyrene	ug/L	100	65.3	65	1-171	N2
Isophorone	ug/L	100	64.1	64	21-196	N2
N-Nitroso-di-n-propylamine	ug/L	100	86.6	87	1-230	N2
N-Nitrosodimethylamine	ug/L	100	28.7	29	11-55	N2
N-Nitrosodiphenylamine	ug/L	100	95.5	95	58-123	N2
Naphthalene	ug/L	100	79.5	80	21-133	N2
Nitrobenzene	ug/L	100	90.4	90	35-180	N2
Pentachlorophenol	ug/L	100	88.1	88	14-176	N2
Phenanthrene	ug/L	100	88.9	89	54-120	N2
Phenol	ug/L	100	18.8	19	5-112	N2
Pyrene	ug/L	100	84.1	84	52-115	N2
2,4,6-Tribromophenol (S)	%.			102	31-161	
2-Fluorobiphenyl (S)	%.			93	31-118	
2-Fluorophenol (S)	%.			31	10-67	
Nitrobenzene-d5 (S)	%.			93	29-126	
p-Terphenyl-d14 (S)	%.			77	28-129	
Phenol-d5 (S)	%.			19	10-47	

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

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QUALIFIERS

Project: Waste Analysis
Pace Project No.: 5099526

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
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.
S - Surrogate
1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.
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.
LOD - Limit of Detection.
LOQ - Limit of Quantitation.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

LABORATORIES

PASI-I	Pace Analytical Services - Indianapolis

ANALYTE QUALIFIERS

1d	Compound ND at an estimated RL of 5 ug/L, based on the MDL. JLZ 06/24/14.
2d	Due to the extract's physical characteristics, the analysis was performed at dilution. CEM 06/25/14
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
D4	Sample was diluted due to the presence of high levels of target analytes.
N2	The lab does not hold TNI accreditation for this parameter.
P3	Sample extract could not be concentrated to the routine final volume, resulting in elevated reporting limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.
p2	Post-analysis pH measurement indicates pH > 2.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Waste Analysis
Pace Project No.: 5099526

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5099526001	**Coolant Waste**	EPA 625	OEXT/36208	EPA 625	MSSV/15564
5099526002	**PlateW6/Oxide Waste**	EPA 625	OEXT/36208	EPA 625	MSSV/15564
5099526001	**Coolant Waste**	EPA 624	MSV/66033		
5099526002	**PlateW6/Oxide Waste**	EPA 624	MSV/66033		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: of

1803988

Section A Required Client Information:

Company: RIVERSIDE TOOL CORP
Address: 3504 HENKE ST ELKHART, IN 46514
Email To: RON@RIVERSIDETOOL.COM
Phone: 574-522-6198 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: RON MIGEDT
Copy To:
Purchase Order No.:
Project Name: WASTE ANALYSIS
Project Number:

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE:

Section D Required Client Information

Matrix Codes MATRIX / CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓ (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	~~COOLANT 1~~																			~~001~~ 6/19/14
2	~~COOLANT 2~~																			001
3	COOLANT WASTE	WW	G			6/18	3:45	80	9	X		X	X							002
4	PLATING/OXIDE WASTE	WW	G			6/18	3:15	80	9	X		X	X							
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

5099526

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	JIM BAAD / RIVERSIDE TOOL CORP	6/18	4:45PM	[signature] / PACE	6/19/14	1028	1.2	y	y	y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: JIM BAAD

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 06/19/2014

ORIGINAL

Sample Condition Upon Receipt

Pace Analytical

Client Name: RIVERSIDE TOOL CORP Project # 5099526

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: 8055 5144 4866

Custody Seal on Cooler/Box Present: ☒ yes ☐ no Seals intact: ☒ yes ☐ no

Date/Time 5035A kits placed in freezer _____

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____

Thermometer Used 1 2 3 4 6 A B C D E **Type of Ice:** Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 1.2°c **Ice Visible in Sample Containers:** ☐ yes ☒ no

(Corrected, if applicable)

Temp should be above freezing to 6°C

Date and initials of person examining contents: 6/19/14 [illegible]

				Comments:
Chain of Custody Present:	☒Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☒Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☒Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☒Yes	☐No	☐N/A	4.
Short Hold Time Analysis (<72hr):	☐Yes	☒No	☐N/A	5.
Rush Turn Around Time Requested:	☐Yes	☒No	☐N/A	6.
Containers Intact:	☒Yes	☐No	☐N/A	7.
Sample Labels match COC: -includes date/time/ID/Analysis	☒Yes	☐No	☐N/A	8.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.	☒Yes	☐No	☐N/A	9. (Circle) HNO3 H2SO4 NaOH HCl PLATING Σ13 COOLANT Σ7
Headspace in VOA Vials (>6mm):	☒Yes	☐No	☐N/A	10. (ALL) PLATING (2) COOLANT
Trip Blank Present:	☐Yes	☒No	☐N/A	11.
Trip Blank Custody Seals Present	☐Yes	☐No	☒N/A	
Project Manager Review				
Samples Arrived within Hold Time:	☒Yes	☐No	☐N/A	12.
Sufficient Volume:	☒Yes	☐No	☐N/A	13.
Correct Containers Used:	☒Yes	☐No	☐N/A	14.

Field Data Required? Y / N

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [illegible] **Date:** 6-19-14

Sample Container Count

LIENT: RIVERSIDE TOOL CORP

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)C PAGE 1 of 1

)C ID# _____

Project # 5089526

ample Line Item	DG9H	AG1U	WGFU	AG0U	R 4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SPST		pH <2	pH>12	Comments
1																				
2																				
3	5	4							1											
4	3	3							1				1							
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber gl	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber gla	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber g	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber g	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gl	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag