

Hadiaris, Amy (MPCA)

From: Oesterreich, Ryan <Ryan.Oesterreich@arcadis.com>
Sent: Wednesday, December 13, 2017 10:38 AM
To: Hadiaris, Amy (MPCA)
Cc: 'cpinter@ford.com'; Hinskey, Kristoffer
Subject: Q3 Area C Groundwater Sampling Summary
Attachments: Ford TCAP - September 2017 Groundwater Data Package.pdf

Hi Amy,

Attached are the summary documents for the groundwater sampling event completed around Area C in September 2017. The attached file includes:

- A potentiometric surface map
- An analytical post map
- A data table including all the results compared to the applicable reference standards
- The original analytical report

As we have discussed during project update calls, we are currently completing a Q4 round of sampling that includes Area C and all the Platteville and St. Peter wells on the main parcel.

Please let me know if you have any comments or questions,

Regards,

Ryan

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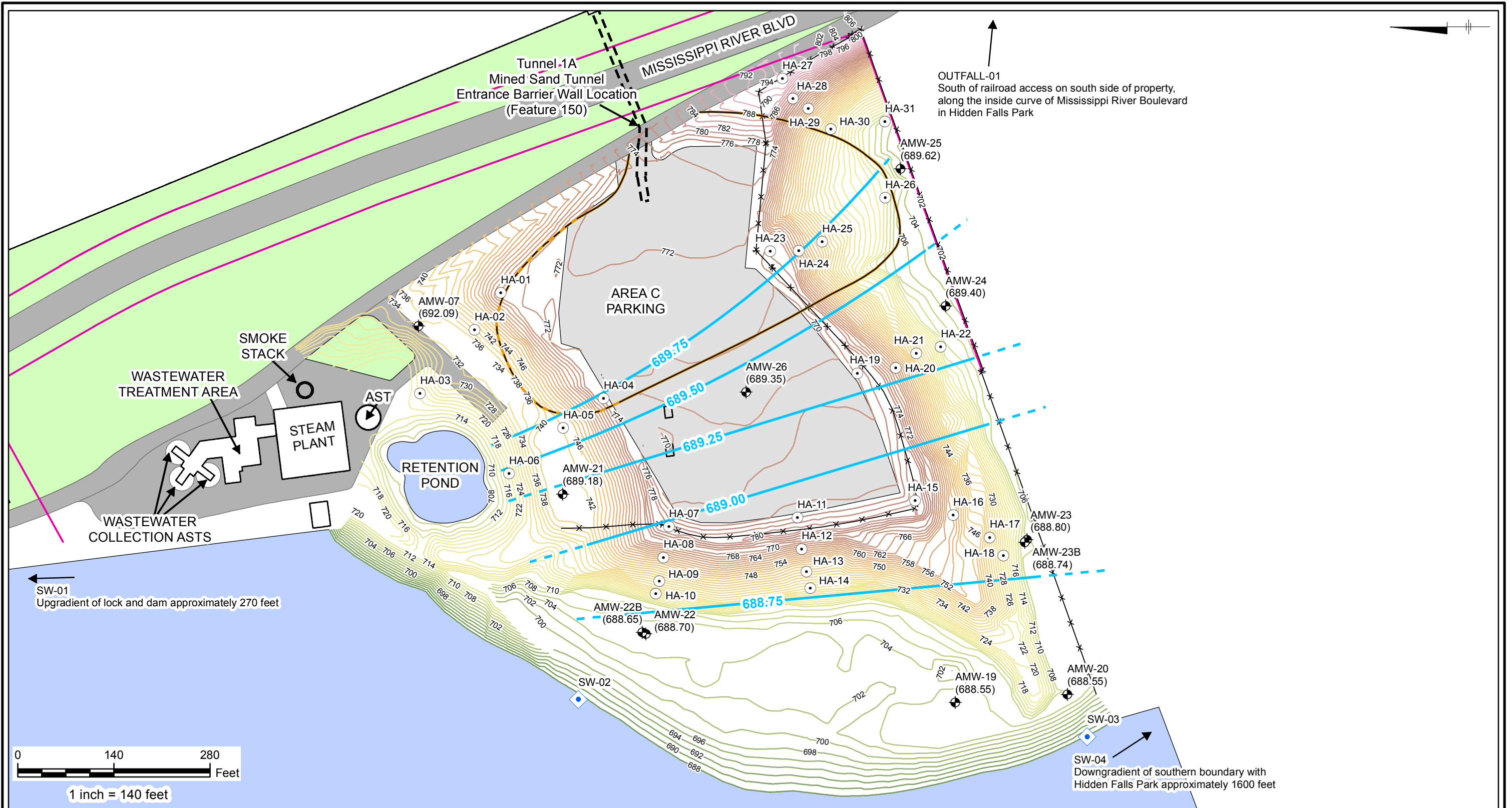
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CITY: MPLS, MN DB: MG LD: RO
FORD ST. PAUL
Path: Z:\GIS\Projects\ENV\FordRanger\ArcMap\2017-12\Area_C_Sep17_Pot_Map_20171207.mxd



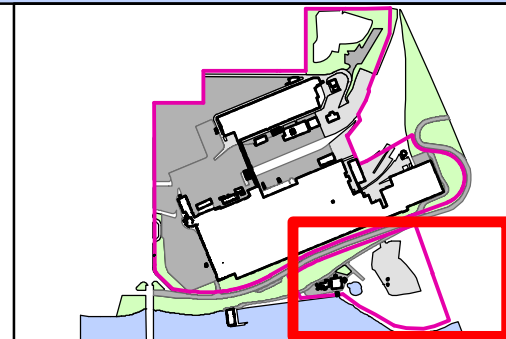
LEGEND:

- | | | |
|-------------------------------------|---|-----------------------------------|
| Existing Monitoring Well | Ford Property Boundary | Buildings |
| Surface Soil Sample | Fence | Asphalt |
| Mississippi River Sampling Location | Tunnel 1A | Concrete |
| | Approximate Extent of Industrial Waste Fill (Dashed where Inferred) | Grass |
| | Elevation Contours (Feet Mean Sea Level) | Mississippi River/ Retention Pond |

689.00 Groundwater Elevation
Groundwater Elevations (688.55)
(Feet above Mean Sea Level)

NOTES:

Topographic survey for Area C completed January 2012, Sunde Land Surveying



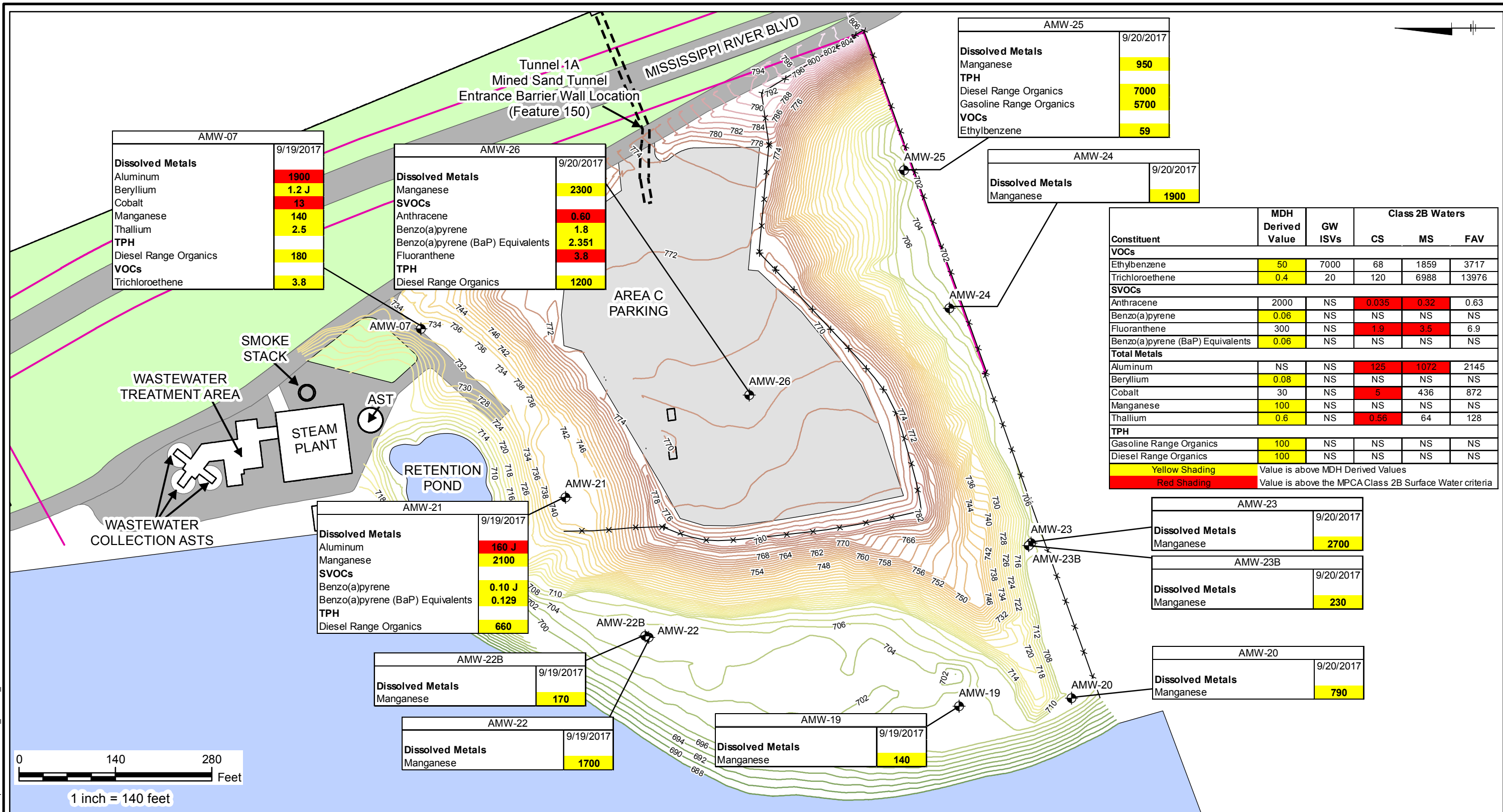
Twin Cities Assembly Plant
Ford Motor Company
St. Paul, Minnesota

September 2017
Potentiometric Surface Map



FIGURE
1

CITY: MPLS, MN DB: MG LD: RO
FORD ST. PAUL
Path: Z:\GIS\Projects_ENVI\FordRanger\Map2017\2017-11\GW_Excel_20171101.mxd

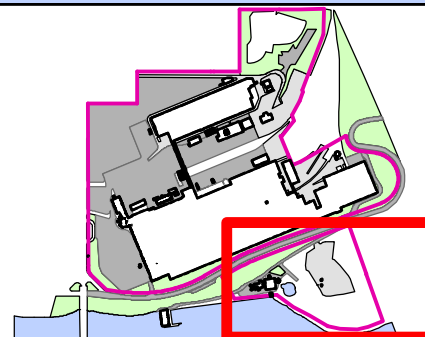


LEGEND:

- Monitoring Well
- Ford Property Boundary
- Fence
- Tunnel 1A
- Buildings
- Asphalt
- Concrete
- Grass
- Mississippi River/Retention Pond
- Elevation Contours (Feet Mean Sea Level)

NOTES: Results reported in micrograms per liter (µg/L)
Results displayed for exceedances only
J = estimated result
NS = no standard
AMW = Arcadis monitoring well
AST = Aboveground storage tank
GW ISVs = Groundwater Intrusion Screening Values
SVOC = semivolatile organic compound
TPH = total petroleum hydrocarbon
VOC = volatile compound
MPCA = Minnesota Pollution Control Agency
MDH = Minnesota Department of Health
Topographic survey for Area C completed January 2012, Sunde Land Surveying

DRAFT



Twin Cities Assembly Plant
Ford Motor Company
St. Paul, Minnesota

GROUNDWATER EXCEEDANCES



FIGURE
2

Table 1
September 2017 Groundwater Analytical Results
Ford Motor Company - Twin Cities Assembly Plant
966 South Mississippi River Boulevard
St. Paul, Minnesota

Location Identification: Sample Identification: Sample Date: Screened Geology:							AMW-07 AMW-07-(20170919) 9/19/2017 NS	AMW-19 AMW-19-(20170919) 9/19/2017 NS	AMW-20 AMW-20-(20170920) 9/20/2017 NS	AMW-21 AMW-21-(20170919) 9/19/2017 NS	AMW-22 AMW-22-(20170919) 9/19/2017 NS	AMW-22B AMW-22B-(20170919) 9/19/2017 NS	AMW-23 AMW-23-(20170920) 9/20/2017 NS
	Units	MDH Derived Value	GW ISVs	Class 2B Waters									
				CS	MS	FAV							
VOCs													
1,1,1,2-Tetrachloroethane	ug/L	70	NS	NS	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	ug/L	9000	3000	329	2957	5913	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	ug/L	2	40	13	1127	2253	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	ug/L	3	40	NS	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	ug/L	100	4000	NS	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
1,2,3-Trichlorobenzene	ug/L	NS	NS	NS	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
1,2,3-Trichloropropane	ug/L	0.003	NS	NS	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	ug/L	4	200	NS	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
1,2,4-Trimethylbenzene	ug/L	100	70	NS	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-chloropropane	ug/L	NS	NS	NS	NS	NS	< 2.0	< 2.0	< 2.0	< 2.0 J	< 2.0	< 2.0	< 2.0
1,2-Dibromoethane	ug/L	0.004	2	NS	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene	ug/L	600	7000	NS	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	ug/L	1	20	190	45050	90100	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	ug/L	5	70	NS	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
1,3,5-Trimethylbenzene	ug/L	100	70	NS	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
1,3-Dichlorobenzene	ug/L	NS	2000	NS	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
1,3-Dichloropropane	ug/L	NS	NS	NS	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	ug/L	10	2000	NS	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
2,2-Dichloropropane	ug/L	NS	NS	NS	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
2-Butanone (MEK)	ug/L	4000	4000000	NS	NS	NS	< 10	< 10	< 10	< 10 J	< 10	< 10	< 10
2-Chlorotoluene	ug/L	NS	NS	NS	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
2-Hexanone	ug/L	NS	NS	NS	NS	NS	< 10	< 10	< 10	< 10 J	< 10	< 10	< 10
4-Chlorotoluene	ug/L	NS	NS	NS	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
4-Methyl-2-Pentanone	ug/L	300	1000000	NS	NS	NS	< 10	< 10	< 10	< 10 J	< 10	< 10	< 10
Acetone	ug/L	4000	500000	NS	NS	NS	< 10	< 10	2.7 J	< 10 J	< 10	< 10	1.9 J
Allyl chloride	ug/L	30	NS	NS	NS	NS	< 2.0	< 2.0	< 2.0	< 2.0 J	< 2.0	< 2.0	< 2.0
Benzene	ug/L	2	40	114	4487	8974	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
Bromobenzene	ug/L	NS	NS	NS	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
Bromochloromethane	ug/L	NS	NS	NS	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
Bromodichloromethane	ug/L	6	20	NS	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
Bromoform	ug/L	40	1000	466	2900	5800	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
Bromomethane	ug/L	10	30	NS	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
Carbon Disulfide	ug/L	700	1000	NS	NS	NS	< 1.0	< 1.0	< 1.0	3.8 J	< 1.0	< 1.0	< 1.0
Carbon Tetrachloride	ug/L	1	1	5.9	1750	3500	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
CFC-11	ug/L	2000	300	NS	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
CFC-12	ug/L	700	70	NS	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
Chlorobenzene	ug/L	100	800	20	423	846	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
Chlorodibromomethane	ug/L	10	20	NS	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
Chloroethane	ug/L	NS	40000	NS	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
Chloroform	ug/L	30	1000	155	1392	2784	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
Chloromethane	ug/L	NS	20	NS	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene	ug/L	6	500	NS	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0 J	1.5	0.80 J	< 1.0
cis-1,3-Dichloropropene	ug/L	NS	60	NS	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
Cyclohexane	ug/L	NS	2000	NS	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
Cymene (p-Isopropyltoluene)	ug/L	NS	NS	NS	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0

See Notes on Last Page.

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Ford Motor Company - Twin Cities Assembly Plant
966 South Mississippi River Boulevard
St. Paul, Minnesota

Location Identification: Sample Identification: Sample Date: Screened Geology:	Units	MDH Derived Value	GW ISVs	Class 2B Waters			AMW-07 AMW-07-(20170919) 9/19/2017	AMW-19 AMW-19-(20170919) 9/19/2017	AMW-20 AMW-20-(20170920) 9/20/2017	AMW-21 AMW-21-(20170919) 9/19/2017	AMW-22 AMW-22-(20170919) 9/19/2017	AMW-22B AMW-22B-(20170919) 9/19/2017	AMW-23 AMW-23-(20170920) 9/20/2017
				CS	MS	FAV	NS	NS	NS	NS	NS	NS	NS
Dibromomethane	ug/L	NS	NS	NS	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
Dichloromethane	ug/L	5	400	1940	13875	27749	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
Dichloromonofluoromethane	ug/L	30	NS	NS	NS	NS	< 2.0	< 2.0	< 2.0	< 2.0 J	< 2.0	< 2.0	< 2.0
Diethyl ether	ug/L	200	NS	NS	NS	NS	< 2.0	< 2.0	< 2.0	< 2.0 J	< 2.0	< 2.0	< 2.0
Ethylbenzene	ug/L	50	7000	68	1859	3717	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
Hexachloro-1,3-butadiene	ug/L	1	5	NS	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
Isopropylbenzene	ug/L	300	NS	NS	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
m&p-Xylenes	ug/L	300	800	NS	NS	NS	< 2.0	< 2.0	< 2.0	< 2.0 J	< 2.0	< 2.0	< 2.0
Methyl Acetate	ug/L	NS	NS	NS	NS	NS	< 10	< 10	< 10	< 10 J	< 10	< 10	< 10
Methylcyclohexane	ug/L	NS	NS	NS	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
Methyl-tert-butylether	ug/L	60	200000	NS	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
Naphthalene	ug/L	70	1000	81	409	818	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
n-Butylbenzene	ug/L	NS	NS	NS	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
n-Propylbenzene	ug/L	NS	NS	NS	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
o-Xylene	ug/L	300	1000	NS	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	ug/L	NS	NS	NS	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
Styrene (Monomer)	ug/L	NS	20000	NS	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
tert-Butylbenzene	ug/L	NS	NS	NS	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
Tetrachloroethene	ug/L	4	60	8.9	428	857	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
Tetrahydrofuran	ug/L	NS	NS	NS	NS	NS	< 5.0	< 5.0	< 5.0	< 5.0 J	< 5.0	< 5.0	< 5.0
Toluene	ug/L	200	40000	253	1352	2703	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene	ug/L	40	300	NS	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene	ug/L	NS	200	NS	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
Trichloroethene	ug/L	0.4	20	120	6988	13976	3.8	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
Vinyl chloride	ug/L	0.2	1	9.2	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
SVOCs													
1,1-Biphenyl	ug/L	300	NS	NS	NS	NS	< 0.98	< 0.95	< 0.95	< 0.98	< 0.95	< 0.95	< 0.95
2,2-Oxybis(1-Chloropropane)	ug/L	NS	NS	NS	NS	NS	< 0.98	< 0.95	< 0.95	< 0.98	< 0.95	< 0.95	< 0.95
2,4,5-Trichlorophenol	ug/L	NS	NS	NS	NS	NS	< 4.9	< 4.8	< 4.8	< 4.9	< 4.8	< 4.8	< 4.8
2,4,6-Trichlorophenol	ug/L	30	NS	2	102	203	< 4.9	< 4.8	< 4.8	< 4.9	< 4.8	< 4.8	< 4.8
2,4-Dichlorophenol	ug/L	20	NS	NS	NS	NS	< 2.0	< 1.9	< 1.9	< 2.0	< 1.9	< 1.9	< 1.9
2,4-Dimethylphenol	ug/L	100	NS	NS	NS	NS	< 2.0	< 1.9	< 1.9	< 2.0	< 1.9	< 1.9	< 1.9
2,4-Dinitrophenol	ug/L	10	NS	NS	NS	NS	< 4.9	< 4.8	< 4.8	< 4.9	< 4.8	< 4.8	< 4.8
2,4-Dinitrotoluene	ug/L	NS	NS	NS	NS	NS	< 4.9	< 4.8	< 4.8	< 4.9	< 4.8	< 4.8	< 4.8
2,6-Dinitrotoluene	ug/L	NS	NS	NS	NS	NS	< 4.9	< 4.8	< 4.8	< 4.9	< 4.8	< 4.8	< 4.8
2-Chloronaphthalene	ug/L	NS	NS	NS	NS	NS	< 0.98	< 0.95	< 0.95	< 0.98	< 0.95	< 0.95	< 0.95
2-Chlorophenol	ug/L	30	NS	NS	NS	NS	< 0.98	< 0.95	< 0.95	< 0.98	< 0.95	< 0.95	< 0.95
2-Methyl-4,6-dinitrophenol	ug/L	NS	NS	NS	NS	NS	< 4.9	< 4.8	< 4.8	< 4.9	< 4.8	< 4.8	< 4.8
2-Methylnaphthalene	ug/L	8	10000	NS	NS	NS	< 0.20	< 0.19	< 0.19	< 0.20	< 0.19	< 0.19	< 0.19
2-Methylphenol	ug/L	30	NS	NS	NS	NS	< 0.98	< 0.95	< 0.95	< 0.98	< 0.95	< 0.95	< 0.95
2-Nitroaniline	ug/L	NS	NS	NS	NS	NS	< 2.0	< 1.9	< 1.9	< 2.0	< 1.9	< 1.9	< 1.9
2-Nitrophenol	ug/L	NS	NS	NS	NS	NS	< 2.0	< 1.9	< 1.9	< 2.0	< 1.9	< 1.9	< 1.9
3,3-Dichlorobenzidine	ug/L	0.8	NS	NS	NS	NS	< 4.9	< 4.8	< 4.8	< 4.9	< 4.8	< 4.8	< 4.8
3-Methylphenol, 4-Methylphenol	ug/L	NS	NS	NS	NS	NS	< 2.0	< 1.9	< 1.9	< 2.0	< 1.9	< 1.9	< 1.9
3-Nitroaniline	ug/L	NS	NS	NS	NS	NS	< 2.0	< 1.9	< 1.9	< 2.0	< 1.9	< 1.9	< 1.9
4-Bromophenyl phenyl ether	ug/L	NS	NS	NS	NS	NS	< 2.0	< 1.9	< 1.9	< 2.0	< 1.9	< 1.9	< 1.9

See Notes on Last Page.

Table 1
September 2017 Groundwater Analytical Results
Ford Motor Company - Twin Cities Assembly Plant
966 South Mississippi River Boulevard
St. Paul, Minnesota

Location Identification: Sample Identification: Sample Date: Screened Geology:							AMW-07	AMW-19	AMW-20	AMW-21	AMW-22	AMW-22B	AMW-23
							AMW-07-(20170919)	AMW-19-(20170919)	AMW-20-(20170920)	AMW-21-(20170919)	AMW-22-(20170919)	AMW-22B-(20170919)	AMW-23-(20170920)
							9/19/2017	9/19/2017	9/20/2017	9/19/2017	9/19/2017	9/19/2017	9/20/2017
	Units	MDH Derived Value	GW ISVs	CS	MS	FAV	NS	NS	NS	NS	NS	NS	NS
4-Chloro-3-Methylphenol	ug/L	NS	NS	NS	NS	NS	< 2.0	< 1.9	< 1.9	< 2.0	< 1.9	< 1.9	< 1.9
4-Chlorophenyl phenyl ether	ug/L	NS	NS	NS	NS	NS	< 2.0	< 1.9	< 1.9	< 2.0	< 1.9	< 1.9	< 1.9
4-Nitroaniline	ug/L	NS	NS	NS	NS	NS	< 2.0	< 1.9	< 1.9	< 2.0	< 1.9	< 1.9	< 1.9
4-Nitrophenol	ug/L	NS	NS	NS	NS	NS	< 4.9	< 4.8	< 4.8	< 4.9	< 4.8	< 4.8	< 4.8
Acenaphthene	ug/L	400	NS	20	56	112	< 0.20	< 0.19	< 0.19	< 0.20	< 0.19	< 0.19	< 0.19
Acenaphthylene	ug/L	NS	NS	NS	NS	NS	< 0.20	< 0.19	< 0.19	< 0.20	< 0.19	< 0.19	< 0.19
Acetophenone	ug/L	NS	NS	NS	NS	NS	< 0.98	< 0.95	< 0.95	< 0.98	< 0.95	< 0.95	< 0.95
Anthracene	ug/L	2000	NS	0.035	0.32	0.63	< 0.20	< 0.19	< 0.19	< 0.20	< 0.19	< 0.19	< 0.19
Atrazine	ug/L	3	NS	10	323	645	< 2.0	< 1.9	< 1.9	< 2.0	< 1.9	< 1.9	< 1.9
Benzaldehyde	ug/L	NS	NS	NS	NS	NS	< 2.0	< 1.9	< 1.9	< 2.0	< 1.9	< 1.9	< 1.9
Benzo(a)anthracene	ug/L	NS	NS	NS	NS	NS	0.18 J	< 0.19	< 0.19	0.16 J	< 0.19	< 0.19	< 0.19
Benzo(a)pyrene	ug/L	0.06	NS	NS	NS	NS	< 0.20	< 0.19	< 0.19	0.10 J	< 0.19	< 0.19	< 0.19
Benzo(b)fluoranthene	ug/L	NS	NS	NS	NS	NS	< 0.20	< 0.19	< 0.19	0.11 J	< 0.19	< 0.19	< 0.19
Benzo(g,h,i)perylene	ug/L	NS	NS	NS	NS	NS	< 0.20	< 0.19	< 0.19	< 0.20	< 0.19	< 0.19	< 0.19
Benzo(k)fluoranthene	ug/L	NS	NS	NS	NS	NS	< 0.20	< 0.19	< 0.19	< 0.20	< 0.19	< 0.19	< 0.19
bis(2-Chloroethoxy)methane	ug/L	NS	NS	NS	NS	NS	< 0.98	< 0.95	< 0.95	< 0.98	< 0.95	< 0.95	< 0.95
bis(2-Chloroethyl)ether	ug/L	0.3	NS	NS	NS	NS	< 0.98	< 0.95	< 0.95	< 0.98	< 0.95	< 0.95	< 0.95
bis(2-Ethylhexyl)phthalate	ug/L	6	NS	2.1	NS	NS	< 4.9	< 4.8	< 4.8	1.8 J	< 4.8	< 4.8	< 4.8
Butyl benzyl phthalate	ug/L	100	NS	NS	NS	NS	< 2.0	< 1.9	< 1.9	< 2.0	< 1.9	< 1.9	< 1.9
Caprolactam	ug/L	NS	NS	NS	NS	NS	0.77 J	< 4.8	< 4.8	0.36 J	< 4.8	< 4.8	< 4.8
Carbazole	ug/L	NS	NS	NS	NS	NS	< 0.98	< 0.95	< 0.95	< 0.98	< 0.95	< 0.95	< 0.95
Chrysene	ug/L	NS	NS	NS	NS	NS	0.19 J	< 0.19	< 0.19	0.16 J	< 0.19	< 0.19	< 0.19
Dibenzo(a,h)anthracene	ug/L	NS	NS	NS	NS	NS	< 0.20	< 0.19	< 0.19	< 0.20	< 0.19	< 0.19	< 0.19
Dibenzofuran	ug/L	NS	NS	NS	NS	NS	< 0.98	< 0.95	< 0.95	< 0.98	< 0.95	< 0.95	< 0.95
Diethyl phthalate	ug/L	6000	NS	NS	NS	NS	1.2 J	< 1.9	< 1.9 UB	< 2.0	< 1.9	< 1.9	< 1.9 UB
Dimethyl phthalate	ug/L	70000	NS	NS	NS	NS	< 2.0	< 1.9	< 1.9	< 2.0	< 1.9	< 1.9	< 1.9
Di-n-butyl phthalate	ug/L	20	NS	NS	NS	NS	< 4.9	< 4.8	< 4.8	< 4.9	< 4.8	< 4.8	< 4.8
Di-n-octyl phthalate	ug/L	NS	NS	30	825	1650	< 2.0	< 1.9	< 1.9	< 2.0	< 1.9	< 1.9	< 1.9
Fluoranthene	ug/L	300	NS	1.9	3.5	6.9	0.24	< 0.19	< 0.19	0.21	< 0.19	< 0.19	< 0.19
Fluorene	ug/L	300	NS	NS	NS	NS	< 0.20	< 0.19	< 0.19	< 0.20	< 0.19	< 0.19	< 0.19
Hexachloro-1,3-butadiene	ug/L	1	5	NS	NS	NS	< 0.98	< 0.95	< 0.95	< 0.98	< 0.95	< 0.95	< 0.95
Hexachlorobenzene	ug/L	0.2	NS	0.00024	NS	NS	< 0.20	< 0.19	< 0.19	< 0.20	< 0.19	< 0.19	< 0.19
Hexachlorocyclopentadiene	ug/L	NS	NS	NS	NS	NS	< 9.8	< 9.5	< 9.5	< 9.8	< 9.5	< 9.5	< 9.5
Hexachloroethane	ug/L	NS	NS	NS	NS	NS	< 0.98	< 0.95	< 0.95	< 0.98	< 0.95	< 0.95	< 0.95
Indeno(1,2,3-cd)pyrene	ug/L	NS	NS	NS	NS	NS	< 0.20	< 0.19	< 0.19	< 0.20	< 0.19	< 0.19	< 0.19
Isophorone	ug/L	100	NS	NS	NS	NS	< 0.98	< 0.95	< 0.95	< 0.98	< 0.95	< 0.95	< 0.95
Naphthalene	ug/L	70	1000	81	409	818	< 0.20	< 0.19	< 0.19	< 0.20	< 0.19	< 0.19	< 0.19
Nitrobenzene	ug/L	NS	NS	NS	NS	NS	< 0.98	< 0.95	< 0.95	< 0.98	< 0.95	< 0.95	< 0.95
N-Nitrosodi-n-propylamine	ug/L	NS	NS	NS	NS	NS	< 0.98	< 0.95	< 0.95	< 0.98	< 0.95	< 0.95	< 0.95
N-Nitrosodiphenylamine	ug/L	70	NS	NS	NS	NS	< 0.98	< 0.95	< 0.95	< 0.98	< 0.95	< 0.95	< 0.95
p-Chloroaniline	ug/L	NS	NS	NS	NS	NS	< 2.0	< 1.9	< 1.9	< 2.0	< 1.9	< 1.9	< 1.9
Pentachlorophenol	ug/L	0.3	NS	NS	NS	NS	< 4.9	< 4.8	< 4.8	< 4.9	< 4.8	< 4.8	< 4.8
Phenanthrene	ug/L	NS	NS	3.6	32	64	0.12 J	< 0.19	< 0.19	< 0.20	< 0.19	< 0.19	< 0.19
Phenol	ug/L	4000	NS	123	2214	4428	< 0.98	< 0.95	< 0.95	< 0.98	< 0.95	< 0.95	< 0.95
Pyrene	ug/L	200	NS	NS	NS	NS	0.33	< 0.19	< 0.19	0.24	< 0.19	< 0.19	< 0.19
Benzo(a)pyrene (BaP) Equivalents	ug/L	0.06	NS	NS	NS	NS	0.02	ND	ND	0.129	ND	ND	ND

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Table 1
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Ford Motor Company - Twin Cities Assembly Plant
966 South Mississippi River Boulevard
St. Paul, Minnesota

Location Identification: Sample Identification: Sample Date: Screened Geology:	Units	MDH Derived Value	GW ISVs	Class 2B Waters			AMW-07	AMW-19	AMW-20	AMW-21	AMW-22	AMW-22B	AMW-23
							AMW-07-(20170919)	AMW-19-(20170919)	AMW-20-(20170920)	AMW-21-(20170919)	AMW-22-(20170919)	AMW-22B-(20170919)	AMW-23-(20170920)
				9/19/2017	9/19/2017	9/20/2017	9/19/2017	9/19/2017	9/19/2017	9/20/2017			
NS	NS	NS	NS	NS	NS	NS	NS						
Total Metals													
Aluminum	ug/L	NS	NS	125	1072	2145	1900	< 200	< 200	160 J	< 200	< 200	< 200
Antimony	ug/L	6	NS	31	90	180	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Arsenic	ug/L	10	NS	53	360	720	< 10	< 10	< 10	< 10	7.4 J	< 10	< 10
Barium	ug/L	2000	NS	NS	NS	NS	11 J	130 J	160 J	94 J	150 J	180 J	190 J
Beryllium	ug/L	0.08	NS	NS	NS	NS	1.2 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Cadmium	ug/L	0.5	NS	2	65	130	0.40 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Calcium	ug/L	NS	NS	NS	NS	NS	76000	140000	170000	150000	120000	79000	160000
Chromium	ug/L	100	NS	11	16	32	2.2 J	5.0 J	0.78 J	1.4 J	0.58 J	1.1 J	1.6 J
Cobalt	ug/L	30	NS	5	436	872	13	< 7.0	1.4 J	0.89 J	0.85 J	< 7.0	3.1 J
Copper	ug/L	1000	NS	14	31	62	< 25	< 25	< 25	< 25	< 25	< 25	< 25
Iron	ug/L	NS	NS	NS	NS	NS	< 100	28 J	240	1900	6700	3100	720
Lead	ug/L	15	NS	7	173	346	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Magnesium	ug/L	NS	NS	NS	NS	NS	32000	41000	49000	44000	34000	30000	44000
Manganese	ug/L	100	NS	NS	NS	NS	140	140	790	2100	1700	170	2700
Mercury	ug/L	NS	2	0.0069	2.4	4.9	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Nickel	ug/L	100	NS	259	2332	4664	51	2.7 J	3.4 J	4.7 J	< 40	< 40	2.7 J
Potassium	ug/L	NS	NS	NS	NS	NS	5000	3200 J	3000 J	5600	3900 J	2200 J	3900 J
Selenium	ug/L	30	NS	5	20	40	2.2 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Silver	ug/L	30	NS	1	6	11	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Sodium	ug/L	NS	NS	NS	NS	NS	18000	36000	54000	33000	24000	5900	54000
Thallium	ug/L	0.6	NS	0.56	64	128	2.5	< 1.0	< 1.0	< 1.0	< 1.0	0.21 J	< 1.0
Vanadium	ug/L	50	NS	NS	NS	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Zinc	ug/L	2000	NS	174	193	385	91	< 50	< 50	< 50	< 50	< 50	< 50
TPH													
Gasoline Range Organics	ug/L	100	NS	NS	NS	NS	< 100	< 100	< 100	< 100	< 100	< 100	< 100
Diesel Range Organics	ug/L	100	NS	NS	NS	NS	180	< 96 UB	< 96 UB	660	< 96 UB	< 96 UB	< 95 UB
PCBs													
Aroclor 1016	ug/L	0.04	NS	0.000029	1	2	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Aroclor 1221	ug/L	0.04	NS	0.000029	1	2	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Aroclor 1232	ug/L	0.04	NS	0.000029	1	2	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Aroclor 1242	ug/L	0.04	NS	0.000029	1	2	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Aroclor 1248	ug/L	0.04	NS	0.000029	1	2	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Aroclor 1254	ug/L	0.04	NS	0.000029	1	2	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Aroclor 1260	ug/L	0.04	NS	0.000029	1	2	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Other													
Cyanide	ug/L	100	NS	5.2	22	45	< 10	< 10	< 10	< 10	< 10	< 10	< 10

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Ford Motor Company - Twin Cities Assembly Plant
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Location Identification: Sample Identification: Sample Date: Screened Geology:							AMW-23B AMW-23B-(20170920) 9/20/2017 NS	AMW-24 AMW-24-(20170920) 9/20/2017 NS	AMW-25 AMW-25-(20170920) 9/20/2017 NS	AMW-26 AMW-26-(20170920) 9/20/2017 NS
	Units	MDH Derived Value	GW ISVs	Class 2B Waters						
				CS	MS	FAV				
VOCs										
1,1,1,2-Tetrachloroethane	ug/L	70	NS	NS	NS	NS	< 1.0	< 1.0	< 20	< 1.0
1,1,1-Trichloroethane	ug/L	9000	3000	329	2957	5913	< 1.0	< 1.0	< 20	< 1.0
1,1,2,2-Tetrachloroethane	ug/L	2	40	13	1127	2253	< 1.0	< 1.0	< 20	< 1.0
1,1,2-Trichloroethane	ug/L	3	40	NS	NS	NS	< 1.0	< 1.0	< 20	< 1.0
1,1-Dichloroethane	ug/L	100	4000	NS	NS	NS	< 1.0	< 1.0	< 20	< 1.0
1,2,3-Trichlorobenzene	ug/L	NS	NS	NS	NS	NS	< 1.0	< 1.0	< 20	< 1.0
1,2,3-Trichloropropane	ug/L	0.003	NS	NS	NS	NS	< 1.0	< 1.0	< 20	< 1.0
1,2,4-Trichlorobenzene	ug/L	4	200	NS	NS	NS	< 1.0	< 1.0	< 20	< 1.0
1,2,4-Trimethylbenzene	ug/L	100	70	NS	NS	NS	< 1.0	< 1.0	68	< 1.0
1,2-Dibromo-3-chloropropane	ug/L	NS	NS	NS	NS	NS	< 2.0	< 2.0	< 40	< 2.0
1,2-Dibromoethane	ug/L	0.004	2	NS	NS	NS	< 1.0	< 1.0	< 20	< 1.0
1,2-Dichlorobenzene	ug/L	600	7000	NS	NS	NS	< 1.0	< 1.0	< 20	< 1.0
1,2-Dichloroethane	ug/L	1	20	190	45050	90100	< 1.0	< 1.0	< 20	< 1.0
1,2-Dichloropropane	ug/L	5	70	NS	NS	NS	< 1.0	< 1.0	< 20	< 1.0
1,3,5-Trimethylbenzene	ug/L	100	70	NS	NS	NS	< 1.0	< 1.0	< 20	< 1.0
1,3-Dichlorobenzene	ug/L	NS	2000	NS	NS	NS	< 1.0	< 1.0	< 20	< 1.0
1,3-Dichloropropane	ug/L	NS	NS	NS	NS	NS	< 1.0	< 1.0	< 20	< 1.0
1,4-Dichlorobenzene	ug/L	10	2000	NS	NS	NS	< 1.0	< 1.0	< 20	< 1.0
2,2-Dichloropropane	ug/L	NS	NS	NS	NS	NS	< 1.0	< 1.0	< 20	< 1.0
2-Butanone (MEK)	ug/L	4000	4000000	NS	NS	NS	< 10	< 10	< 200	< 10
2-Chlorotoluene	ug/L	NS	NS	NS	NS	NS	< 1.0	< 1.0	< 20	< 1.0
2-Hexanone	ug/L	NS	NS	NS	NS	NS	< 10	< 10	< 200	< 10
4-Chlorotoluene	ug/L	NS	NS	NS	NS	NS	< 1.0	< 1.0	< 20	< 1.0
4-Methyl-2-Pentanone	ug/L	300	1000000	NS	NS	NS	< 10	< 10	< 200	< 10
Acetone	ug/L	4000	500000	NS	NS	NS	< 10	< 10	< 200	< 10
Allyl chloride	ug/L	30	NS	NS	NS	NS	< 2.0	< 2.0	< 40	< 2.0
Benzene	ug/L	2	40	114	4487	8974	< 1.0	< 1.0	< 20	< 1.0
Bromobenzene	ug/L	NS	NS	NS	NS	NS	< 1.0	< 1.0	< 20	< 1.0
Bromochloromethane	ug/L	NS	NS	NS	NS	NS	< 1.0	< 1.0	< 20	< 1.0
Bromodichloromethane	ug/L	6	20	NS	NS	NS	< 1.0	< 1.0	< 20	< 1.0
Bromoform	ug/L	40	1000	466	2900	5800	< 1.0	< 1.0	< 20	< 1.0
Bromomethane	ug/L	10	30	NS	NS	NS	< 1.0	< 1.0	< 20	< 1.0
Carbon Disulfide	ug/L	700	1000	NS	NS	NS	< 1.0	< 1.0	< 20	< 1.0
Carbon Tetrachloride	ug/L	1	1	5.9	1750	3500	< 1.0	< 1.0	< 20	< 1.0
CFC-11	ug/L	2000	300	NS	NS	NS	< 1.0	< 1.0	< 20	< 1.0
CFC-12	ug/L	700	70	NS	NS	NS	< 1.0	< 1.0	< 20	< 1.0
Chlorobenzene	ug/L	100	800	20	423	846	< 1.0	< 1.0	< 20	3.6
Chlorodibromomethane	ug/L	10	20	NS	NS	NS	< 1.0	< 1.0	< 20	< 1.0
Chloroethane	ug/L	NS	40000	NS	NS	NS	< 1.0	< 1.0	< 20	< 1.0
Chloroform	ug/L	30	1000	155	1392	2784	< 1.0	< 1.0	< 20	< 1.0
Chloromethane	ug/L	NS	20	NS	NS	NS	< 1.0	< 1.0	< 20	< 1.0
cis-1,2-Dichloroethene	ug/L	6	500	NS	NS	NS	< 1.0	< 1.0	< 20	1.2
cis-1,3-Dichloropropene	ug/L	NS	60	NS	NS	NS	< 1.0	< 1.0	< 20	< 1.0
Cyclohexane	ug/L	NS	2000	NS	NS	NS	< 1.0	< 1.0	< 20	< 1.0
Cymene (p-Isopropyltoluene)	ug/L	NS	NS	NS	NS	NS	< 1.0	< 1.0	< 20	< 1.0

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Location Identification: Sample Identification: Sample Date: Screened Geology:	Units	MDH Derived Value	GW ISVs	Class 2B Waters			AMW-23B AMW-23B-(20170920) 9/20/2017	AMW-24 AMW-24-(20170920) 9/20/2017	AMW-25 AMW-25-(20170920) 9/20/2017	AMW-26 AMW-26-(20170920) 9/20/2017
				CS	MS	FAV	NS	NS	NS	NS
Dibromomethane	ug/L	NS	NS	NS	NS	NS	< 1.0	< 1.0	< 20	< 1.0
Dichloromethane	ug/L	5	400	1940	13875	27749	< 1.0	< 1.0	< 20	< 1.0
Dichloromonofluoromethane	ug/L	30	NS	NS	NS	NS	< 2.0	< 2.0	< 40	< 2.0
Diethyl ether	ug/L	200	NS	NS	NS	NS	< 2.0	< 2.0	< 40	< 2.0
Ethylbenzene	ug/L	50	7000	68	1859	3717	< 1.0	< 1.0	59	< 1.0
Hexachloro-1,3-butadiene	ug/L	1	5	NS	NS	NS	< 1.0	< 1.0	< 20	< 1.0
Isopropylbenzene	ug/L	300	NS	NS	NS	NS	< 1.0	< 1.0	7.1 J	< 1.0
m&p-Xylenes	ug/L	300	800	NS	NS	NS	< 2.0	< 2.0	43	< 2.0
Methyl Acetate	ug/L	NS	NS	NS	NS	NS	< 10	< 10	< 200	< 10
Methylcyclohexane	ug/L	NS	NS	NS	NS	NS	< 1.0	< 1.0	< 20	< 1.0
Methyl-tert-butylether	ug/L	60	200000	NS	NS	NS	< 1.0	< 1.0	< 20	< 1.0
Naphthalene	ug/L	70	1000	81	409	818	< 1.0	< 1.0	< 20	< 1.0
n-Butylbenzene	ug/L	NS	NS	NS	NS	NS	< 1.0	< 1.0	150	< 1.0
n-Propylbenzene	ug/L	NS	NS	NS	NS	NS	< 1.0	< 1.0	25	< 1.0
o-Xylene	ug/L	300	1000	NS	NS	NS	< 1.0	< 1.0	< 20	< 1.0
sec-Butylbenzene	ug/L	NS	NS	NS	NS	NS	< 1.0	< 1.0	12 J	< 1.0
Styrene (Monomer)	ug/L	NS	20000	NS	NS	NS	< 1.0	< 1.0	< 20	< 1.0
tert-Butylbenzene	ug/L	NS	NS	NS	NS	NS	< 1.0	< 1.0	< 20	< 1.0
Tetrachloroethene	ug/L	4	60	8.9	428	857	< 1.0	< 1.0	< 20	< 1.0
Tetrahydrofuran	ug/L	NS	NS	NS	NS	NS	< 5.0	< 5.0	< 100	< 5.0
Toluene	ug/L	200	40000	253	1352	2703	< 1.0	< 1.0	< 20	< 1.0
trans-1,2-Dichloroethene	ug/L	40	300	NS	NS	NS	< 1.0	< 1.0	< 20	< 1.0
trans-1,3-Dichloropropene	ug/L	NS	200	NS	NS	NS	< 1.0	< 1.0	< 20	< 1.0
Trichloroethene	ug/L	0.4	20	120	6988	13976	< 1.0	< 1.0	< 20	< 1.0
Vinyl chloride	ug/L	0.2	1	9.2	NS	NS	< 1.0	< 1.0	< 20	< 1.0
SVOCs										
1,1-Biphenyl	ug/L	300	NS	NS	NS	NS	< 0.95	< 0.95	< 0.95	< 0.95
2,2-Oxybis(1-Chloropropane)	ug/L	NS	NS	NS	NS	NS	< 0.95	< 0.95	< 0.95	< 0.95
2,4,5-Trichlorophenol	ug/L	NS	NS	NS	NS	NS	< 4.8	< 4.8	< 4.8	< 4.8
2,4,6-Trichlorophenol	ug/L	30	NS	2	102	203	< 4.8	< 4.8	< 4.8	< 4.8
2,4-Dichlorophenol	ug/L	20	NS	NS	NS	NS	< 1.9	< 1.9	< 1.9	< 1.9
2,4-Dimethylphenol	ug/L	100	NS	NS	NS	NS	< 1.9	< 1.9	< 1.9	< 1.9
2,4-Dinitrophenol	ug/L	10	NS	NS	NS	NS	< 4.8	< 4.8	< 4.8	< 4.8
2,4-Dinitrotoluene	ug/L	NS	NS	NS	NS	NS	< 4.8	< 4.8	< 4.8	< 4.8
2,6-Dinitrotoluene	ug/L	NS	NS	NS	NS	NS	< 4.8	< 4.8	< 4.8	< 4.8
2-Chloronaphthalene	ug/L	NS	NS	NS	NS	NS	< 0.95	< 0.95	< 0.95	< 0.95
2-Chlorophenol	ug/L	30	NS	NS	NS	NS	< 0.95	< 0.95	< 0.95	< 0.95
2-Methyl-4,6-dinitrophenol	ug/L	NS	NS	NS	NS	NS	< 4.8	< 4.8	< 4.8	< 4.8
2-Methylnaphthalene	ug/L	8	10000	NS	NS	NS	< 0.19	< 0.19	< 0.19	0.24
2-Methylphenol	ug/L	30	NS	NS	NS	NS	< 0.95	< 0.95	< 0.95	< 0.95
2-Nitroaniline	ug/L	NS	NS	NS	NS	NS	< 1.9	< 1.9	< 1.9	< 1.9
2-Nitrophenol	ug/L	NS	NS	NS	NS	NS	< 1.9	< 1.9	< 1.9	< 1.9
3,3-Dichlorobenzidine	ug/L	0.8	NS	NS	NS	NS	< 4.8	< 4.8	< 4.8	< 4.8
3-Methylphenol, 4-Methylphenol	ug/L	NS	NS	NS	NS	NS	< 1.9	< 1.9	< 1.9	< 1.9
3-Nitroaniline	ug/L	NS	NS	NS	NS	NS	< 1.9	< 1.9	< 1.9	< 1.9
4-Bromophenyl phenyl ether	ug/L	NS	NS	NS	NS	NS	< 1.9	< 1.9	< 1.9	< 1.9

See Notes on Last Page.

Table 1
September 2017 Groundwater Analytical Results
Ford Motor Company - Twin Cities Assembly Plant
966 South Mississippi River Boulevard
St. Paul, Minnesota

Location Identification: Sample Identification: Sample Date: Screened Geology:	Units	MDH Derived Value	GW ISVs	Class 2B Waters			AMW-23B AMW-23B-(20170920) 9/20/2017	AMW-24 AMW-24-(20170920) 9/20/2017	AMW-25 AMW-25-(20170920) 9/20/2017	AMW-26 AMW-26-(20170920) 9/20/2017
				CS	MS	FAV	NS	NS	NS	NS
4-Chloro-3-Methylphenol	ug/L	NS	NS	NS	NS	NS	< 1.9	< 1.9	< 1.9	< 1.9
4-Chlorophenyl phenyl ether	ug/L	NS	NS	NS	NS	NS	< 1.9	< 1.9	< 1.9	< 1.9
4-Nitroaniline	ug/L	NS	NS	NS	NS	NS	< 1.9	< 1.9	< 1.9	< 1.9
4-Nitrophenol	ug/L	NS	NS	NS	NS	NS	< 4.8	< 4.8	< 4.8	< 4.8
Acenaphthene	ug/L	400	NS	20	56	112	< 0.19	< 0.19	< 0.19	0.72
Acenaphthylene	ug/L	NS	NS	NS	NS	NS	< 0.19	< 0.19	< 0.19	0.19
Acetophenone	ug/L	NS	NS	NS	NS	NS	< 0.95	< 0.95	< 0.95	< 0.95
Anthracene	ug/L	2000	NS	0.035	0.32	0.63	< 0.19	< 0.19	< 0.19	0.60
Atrazine	ug/L	3	NS	10	323	645	< 1.9	< 1.9	< 1.9	< 1.9
Benzaldehyde	ug/L	NS	NS	NS	NS	NS	< 1.9	< 1.9	< 1.9	< 1.9
Benzo(a)anthracene	ug/L	NS	NS	NS	NS	NS	< 0.19	< 0.19	< 0.19	1.8
Benzo(a)pyrene	ug/L	0.06	NS	NS	NS	NS	< 0.19	< 0.19	< 0.19	1.8
Benzo(b)fluoranthene	ug/L	NS	NS	NS	NS	NS	< 0.19	< 0.19	< 0.19	1.8
Benzo(g,h,i)perylene	ug/L	NS	NS	NS	NS	NS	< 0.19	< 0.19	< 0.19	0.98
Benzo(k)fluoranthene	ug/L	NS	NS	NS	NS	NS	< 0.19	< 0.19	< 0.19	0.93
bis(2-Chloroethoxy)methane	ug/L	NS	NS	NS	NS	NS	< 0.95	< 0.95	< 0.95	< 0.95
bis(2-Chloroethyl)ether	ug/L	0.3	NS	NS	NS	NS	< 0.95	< 0.95	< 0.95	< 0.95
bis(2-Ethylhexyl)phthalate	ug/L	6	NS	2.1	NS	NS	< 4.8	< 4.8	< 4.8	1.8 J
Butyl benzyl phthalate	ug/L	100	NS	NS	NS	NS	< 1.9	< 1.9	< 1.9	< 1.9
Caprolactam	ug/L	NS	NS	NS	NS	NS	< 4.8	< 4.8	< 4.8	11
Carbazole	ug/L	NS	NS	NS	NS	NS	< 0.95	< 0.95	< 0.95	0.33 J
Chrysene	ug/L	NS	NS	NS	NS	NS	< 0.19	< 0.19	< 0.19	1.9
Dibenzo(a,h)anthracene	ug/L	NS	NS	NS	NS	NS	< 0.19	< 0.19	< 0.19	< 0.19
Dibenzofuran	ug/L	NS	NS	NS	NS	NS	< 0.95	< 0.95	< 0.95	0.55 J
Diethyl phthalate	ug/L	6000	NS	NS	NS	NS	1.9	< 1.9 UB	< 1.9 UB	1.9
Dimethyl phthalate	ug/L	70000	NS	NS	NS	NS	< 1.9	< 1.9	< 1.9	< 1.9
Di-n-butyl phthalate	ug/L	20	NS	NS	NS	NS	< 4.8	< 4.8	< 4.8	< 4.8
Di-n-octyl phthalate	ug/L	NS	NS	30	825	1650	< 1.9	< 1.9	< 1.9	< 1.9
Fluoranthene	ug/L	300	NS	1.9	3.5	6.9	< 0.19	< 0.19	< 0.19	3.8
Fluorene	ug/L	300	NS	NS	NS	NS	< 0.19	< 0.19	< 0.19	1.3
Hexachloro-1,3-butadiene	ug/L	1	5	NS	NS	NS	< 0.95	< 0.95	< 0.95	< 0.95
Hexachlorobenzene	ug/L	0.2	NS	0.00024	NS	NS	< 0.19	< 0.19	< 0.19	< 0.19
Hexachlorocyclopentadiene	ug/L	NS	NS	NS	NS	NS	< 9.5	< 9.5	< 9.5	< 9.5
Hexachloroethane	ug/L	NS	NS	NS	NS	NS	< 0.95	< 0.95	< 0.95	< 0.95
Indeno(1,2,3-cd)pyrene	ug/L	NS	NS	NS	NS	NS	< 0.19	< 0.19	< 0.19	0.79
Isophorone	ug/L	100	NS	NS	NS	NS	< 0.95	< 0.95	< 0.95	< 0.95
Naphthalene	ug/L	70	1000	81	409	818	< 0.19	< 0.19	< 0.19	0.19
Nitrobenzene	ug/L	NS	NS	NS	NS	NS	< 0.95	< 0.95	< 0.95	< 0.95
N-Nitrosodi-n-propylamine	ug/L	NS	NS	NS	NS	NS	< 0.95	< 0.95	< 0.95	< 0.95
N-Nitrosodiphenylamine	ug/L	70	NS	NS	NS	NS	< 0.95	< 0.95	< 0.95	< 0.95
p-Chloroaniline	ug/L	NS	NS	NS	NS	NS	< 1.9	< 1.9	< 1.9	< 1.9
Pentachlorophenol	ug/L	0.3	NS	NS	NS	NS	< 4.8	< 4.8	< 4.8	< 4.8
Phenanthrene	ug/L	NS	NS	3.6	32	64	< 0.19	< 0.19	< 0.19	1.8
Phenol	ug/L	4000	NS	123	2214	4428	< 0.95	< 0.95	< 0.95	< 0.95
Pyrene	ug/L	200	NS	NS	NS	NS	< 0.19	< 0.19	< 0.19	3.7
Benzo(a)pyrene (BaP) Equivalents	ug/L	0.06	NS	NS	NS	NS	ND	ND	ND	2.351

See Notes on Last Page.

Table 1
September 2017 Groundwater Analytical Results
Ford Motor Company - Twin Cities Assembly Plant
966 South Mississippi River Boulevard
St. Paul, Minnesota

Location Identification: Sample Identification: Sample Date: Screened Geology:	Units	MDH Derived Value	GW ISVs	Class 2B Waters			AMW-23B	AMW-24	AMW-25	AMW-26
							AMW-23B-(20170920)	AMW-24-(20170920)	AMW-25-(20170920)	AMW-26-(20170920)
				CS	MS	FAV	9/20/2017	9/20/2017	9/20/2017	9/20/2017
Total Metals										
Aluminum	ug/L	NS	NS	125	1072	2145	< 200	< 200	< 200	62 J
Antimony	ug/L	6	NS	31	90	180	< 10	< 10	< 10	< 10
Arsenic	ug/L	10	NS	53	360	720	3.4 J	< 10	< 10	9.0 J
Barium	ug/L	2000	NS	NS	NS	NS	190 J	88 J	130 J	220
Beryllium	ug/L	0.08	NS	NS	NS	NS	< 5.0	< 5.0	< 5.0	< 5.0
Cadmium	ug/L	0.5	NS	2	65	130	< 5.0	0.32 J	< 5.0	< 5.0
Calcium	ug/L	NS	NS	NS	NS	NS	77000	170000	170000	150000
Chromium	ug/L	100	NS	11	16	32	1.3 J	0.70 J	1.4 J	1.4 J
Cobalt	ug/L	30	NS	5	436	872	1.1 J	2.2 J	< 7.0	0.90 J
Copper	ug/L	1000	NS	14	31	62	< 25	< 25	< 25	< 25
Iron	ug/L	NS	NS	NS	NS	NS	3200	1900	1700	12000
Lead	ug/L	15	NS	7	173	346	< 3.0	< 3.0	< 3.0	< 3.0
Magnesium	ug/L	NS	NS	NS	NS	NS	27000	43000	54000	46000
Manganese	ug/L	100	NS	NS	NS	NS	230	1900	950	2300
Mercury	ug/L	NS	2	0.0069	2.4	4.9	< 0.20	< 0.20	< 0.20	< 0.20
Nickel	ug/L	100	NS	259	2332	4664	< 40	3.5 J	< 40	3.0 J
Potassium	ug/L	NS	NS	NS	NS	NS	1800 J	7500	3300 J	5700
Selenium	ug/L	30	NS	5	20	40	< 5.0	< 5.0	< 5.0	< 5.0
Silver	ug/L	30	NS	1	6	11	< 10	< 10	< 10	< 10
Sodium	ug/L	NS	NS	NS	NS	NS	9500	80000	48000	56000
Thallium	ug/L	0.6	NS	0.56	64	128	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium	ug/L	50	NS	NS	NS	NS	< 10	< 10	< 10	< 10
Zinc	ug/L	2000	NS	174	193	385	< 50	< 50	< 50	< 50
TPH										
Gasoline Range Organics	ug/L	100	NS	NS	NS	NS	< 100	< 100	5700	< 100
Diesel Range Organics	ug/L	100	NS	NS	NS	NS	< 97 UB	< 96 UB	7000	1200
PCBs										
Aroclor 1016	ug/L	0.04	NS	0.000029	1	2	< 0.20	< 0.19	< 0.19	< 0.19
Aroclor 1221	ug/L	0.04	NS	0.000029	1	2	< 0.20	< 0.19	< 0.19	< 0.19
Aroclor 1232	ug/L	0.04	NS	0.000029	1	2	< 0.20	< 0.19	< 0.19	< 0.19
Aroclor 1242	ug/L	0.04	NS	0.000029	1	2	< 0.20	< 0.19	< 0.19	< 0.19
Aroclor 1248	ug/L	0.04	NS	0.000029	1	2	< 0.20	< 0.19	< 0.19	< 0.19
Aroclor 1254	ug/L	0.04	NS	0.000029	1	2	< 0.20	< 0.19	< 0.19	< 0.19
Aroclor 1260	ug/L	0.04	NS	0.000029	1	2	< 0.20	< 0.19	< 0.19	< 0.19
Other										
Cyanide	ug/L	100	NS	5.2	22	45	< 10	< 10	< 10	< 10

See Notes on Last Page.

Table 1
September 2017 Groundwater Analytical Results
Ford Motor Company - Twin Cities Assembly Plant
966 South Mississippi River Boulevard
St. Paul, Minnesota

Notes:

Results are reported in micrograms per liter (µg/L).	
Yellow Shading	Above MDH Derived Values
Red Shading	Above Class 2B Waters Criteria
Bolded	Detected concentrations
<	Not detected above reporting detection limit
AMW	Arcadis Monitoring Well
GW ISVs	Groundwater Intrusion Screening Values
J	Estimated result
MDH	Minnesota Department of Health
MPCA	Minnesota Pollution Control Agency
NA	Not analyzed
ND	Not detected
NS	No Standard / Not Screened
PCBs	polychlorinated biphenyl
SVOC	semi-volatile organic compounds
TPH	Total petroleum hydrocarbons
UB	Determined non-detect at the reporting limit by Cadena validation.
VOC	Volatile organic compounds

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Canton

4101 Shuffel Street NW

North Canton, OH 44720

Tel: (330)497-9396

TestAmerica Job ID: 240-85395-1

Client Project/Site: Ford TCAP - E200572

For:

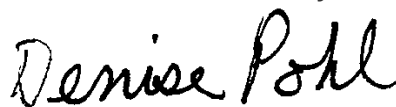
ARCADIS U.S., Inc.

28550 Cabot Drive

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Novi, Michigan 48377

Attn: Kristoffer Hinskey



Authorized for release by:

10/5/2017 4:17:26 PM

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
E	Result exceeded calibration range.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD is outside acceptance limits.
B	Compound was found in the blank and sample.

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Job ID: 240-85395-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Ford TCAP - E200572

Report Number: 240-85395-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

The 9012B analysis was performed at TestAmerica Nashville Laboratory.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 9/22/2017 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 14 coolers at receipt time were 0.8° C, 1.0° C, 1.2° C, 1.2° C, 1.4° C, 1.4° C, 1.6° C, 1.8° C, 2.0° C, 2.4° C, 2.4° C, 2.6° C, 3.6° C and 3.8° C.

Per the client change the sample ID of DUP-01 to AMW-19 for sample 240-85395-5. Due to missing coolers, the requested MS/MSD was not done.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples AMW-07-(20170919) (240-85395-1), TRIP BLANK1 (240-85395-2), AMW-19-(20170919) (240-85395-5), TRIP BLANK3 (240-85395-6), AMW-20-(20170920) (240-85395-7), TRIP BLANK4 (240-85395-8), DUP-02-(20170920) (240-85395-9), TRIP BLANK5 (240-85395-10), AMW-21-(20170919) (240-85395-11), TRIP BLANK6 (240-85395-12), AMW-22-(20170919) (240-85395-13), TRIP BLANK7 (240-85395-14), AMW-22B-(20170919) (240-85395-15), TRIP BLANK8 (240-85395-16), AMW-23-(20170920) (240-85395-17), TRIP BLANK9 (240-85395-18), AMW-23B-(20170920) (240-85395-19), TRIP BLANK10 (240-85395-20), AMW-24-(20170920) (240-85395-21), TRIP BLANK11 (240-85395-22), AMW-25-(20170920) (240-85395-23), TRIP BLANK12 (240-85395-24), AMW-26-(20170920) (240-85395-25) and TRIP BLANK13 (240-85395-26) were analyzed for volatile organic compounds (GCMS) in accordance

Case Narrative

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Job ID: 240-85395-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

with EPA SW-846 Method 8260B. The samples were analyzed on 10/01/2017, 10/02/2017 and 10/03/2017.

Methylene Chloride was detected in method blank MB 240-297056/7 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

Dibromofluoromethane (Surr) failed the surrogate recovery criteria high for AMW-23-(20170920) (240-85395-17). Dibromofluoromethane (Surr) failed the surrogate recovery criteria high for TRIP BLANK9 (240-85395-18). Dibromofluoromethane (Surr) failed the surrogate recovery criteria high for AMW-23B-(20170920) (240-85395-19). Dibromofluoromethane (Surr) failed the surrogate recovery criteria high for TRIP BLANK11 (240-85395-22). Dibromofluoromethane (Surr) failed the surrogate recovery criteria high for AMW-25-(20170920) (240-85395-23). Dibromofluoromethane (Surr) failed the surrogate recovery criteria high for TRIP BLANK12 (240-85395-24). Dibromofluoromethane (Surr) failed the surrogate recovery criteria high for AMW-26-(20170920) (240-85395-25). Dibromofluoromethane (Surr) failed the surrogate recovery criteria high for TRIP BLANK13 (240-85395-26). 4-Bromofluorobenzene (Surr) failed the surrogate recovery criteria high for TRIP BLANK4 (240-85395-8). Dibromofluoromethane (Surr) failed the surrogate recovery criteria high for MB 240-297179/6. 4-Bromofluorobenzene (Surr) failed the surrogate recovery criteria high for 240-85327-B-1 MS. Dibromofluoromethane (Surr) failed the surrogate recovery criteria high for 240-85327-B-1 MSD. Refer to the QC report for details.

1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, Dichlorodifluoromethane and Toluene failed the recovery criteria high for LCS 240-297056/5. Ethyl ether failed the recovery criteria high for LCS 240-297061/4. Refer to the QC report for details.

Tetrachloroethene failed the recovery criteria low for the MS of sample 240-85327-1 in batch 240-297061. For the MSD of sample 240-85327-1 in batch 240-297061, Tetrachloroethene failed the recovery criteria low. cis-1,2-Dichloroethene and trans-1,2-Dichloroethene failed the recovery criteria high. Also, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene and Vinyl chloride exceeded the RPD limit. Chloromethane failed the recovery criteria low for the MS of sample AMW-22B-(20170919)MS (240-85395-15) in batch 240-297056. 1,1,2,2-Tetrachloroethane and Dichlorodifluoromethane failed the recovery criteria high. 1,1,2,2-Tetrachloroethane, Carbon disulfide and Dichlorodifluoromethane failed the recovery criteria high for the MSD of sample AMW-22B-(20170919)MSD (240-85395-15) in batch 240-297056. Several analytes exceeded the RPD limit. 1,1-Dichloroethane and Chloroform failed the recovery criteria high for the MSD of sample 240-85397-25 in batch 240-297179. Several analytes exceeded the RPD limit. Refer to the QC report for details.

Sample AMW-25-(20170920) (240-85395-23)[20X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method(s) 8260B: The laboratory control sample (LCS) for analytical batch 240-297056 recovered outside control limits for multiple analytes: These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

TRIP BLANK6 (240-85395-12), AMW-22-(20170919) (240-85395-13), TRIP BLANK7 (240-85395-14), AMW-22B-(20170919) (240-85395-15) and (LCS 240-297056/5)

Method(s) 8260B: The pH of the sample(s) was greater than 2. The sample was analyzed within the normal 14 day holding time; however, experimental evidence suggests that some aromatic compounds in wastewater samples, notably, Benzene, Toluene, and Ethylbenzene are susceptible to biological degradation if sample is not preserved to a pH of 2.

AMW-21-(20170919) (240-85395-11)

Method(s) 8260B: Surrogate recovery for the following sample was outside the upper control limit: TRIP BLANK4 (240-85395-8). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8260B: The laboratory control sample (LCS) for analytical batch 240-297061 recovered outside control limits for the following analyte: Ethyl ether. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data has been reported.

AMW-07-(20170919) (240-85395-1), TRIP BLANK1 (240-85395-2), AMW-19-(20170919) (240-85395-5), TRIP BLANK3 (240-85395-6), AMW-20-(20170920) (240-85395-7), TRIP BLANK4 (240-85395-8), DUP-02-(20170920) (240-85395-9), TRIP BLANK5 (240-85395-10), AMW-21-(20170919) (240-85395-11), TRIP BLANK8 (240-85395-16) and (LCS 240-297061/4)

Method(s) 8260B: The Trip Blank for preparation batch 297061 contained Acetone above the reporting limit (RL). There was insufficient

Case Narrative

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Job ID: 240-85395-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

sample to perform a re-extraction and/or re-analysis; therefore, the data have been reported.
TRIP BLANK8 (240-85395-16)

Method(s) 8260B: Surrogate recovery for the following samples was outside the upper control limit: AMW-23-(20170920) (240-85395-17), TRIP BLANK9 (240-85395-18), AMW-23B-(20170920) (240-85395-19), TRIP BLANK11 (240-85395-22), AMW-25-(20170920) (240-85395-23), TRIP BLANK12 (240-85395-24), AMW-26-(20170920) (240-85395-25) and TRIP BLANK13 (240-85395-26). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8260B: The method blank surrogate recovery was outside the upper control limit: (Dibromofluoromethane). The samples did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

AMW-23-(20170920) (240-85395-17), TRIP BLANK9 (240-85395-18), AMW-23B-(20170920) (240-85395-19), TRIP BLANK10 (240-85395-20), AMW-24-(20170920) (240-85395-21), TRIP BLANK11 (240-85395-22), AMW-25-(20170920) (240-85395-23), TRIP BLANK12 (240-85395-24), AMW-26-(20170920) (240-85395-25), TRIP BLANK13 (240-85395-26) and (MB 240-297179/6)

Method(s) 8260B: The following sample was diluted due to the abundance of non-target analytes: AMW-25-(20170920) (240-85395-23). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The MS/MSD for batch 297346 was not analyzed due to an instrument malfunction.
AMW-25-(20170920) (240-85395-23) and AMW-26-(20170920) (240-85395-25)

Method(s) 8260B: The following sample was diluted due to the abundance of non-target analytes: AMW-25-(20170920) (240-85395-23). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SEMIVOLATILE ORGANIC COMPOUNDS (GCMS)

Samples AMW-07-(20170919) (240-85395-1), AMW-19-(20170919) (240-85395-5), AMW-20-(20170920) (240-85395-7), DUP-02-(20170920) (240-85395-9), AMW-21-(20170919) (240-85395-11), AMW-22-(20170919) (240-85395-13), AMW-22B-(20170919) (240-85395-15), AMW-23-(20170920) (240-85395-17), AMW-23B-(20170920) (240-85395-19), AMW-24-(20170920) (240-85395-21), AMW-25-(20170920) (240-85395-23) and AMW-26-(20170920) (240-85395-25) were analyzed for semivolatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 09/26/2017 and 09/27/2017 and analyzed on 09/28/2017 and 09/29/2017.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

Diethyl phthalate was detected in method blank MB 240-296485/18-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

2-Nitroaniline failed the recovery criteria high for LCSD 240-296485/20-A. Refer to the QC report for details.

Method(s) 8270C: The laboratory control sample duplicate (LCSD) for preparation batch 240-296485 and analytical batch 240-296829 recovered outside control limits for the following analyte: 2-Nitroaniline. This analyte was biased high in the LCSD and were not detected in the associated samples: AMW-20-(20170920) (240-85395-7), DUP-02-(20170920) (240-85395-9), AMW-23-(20170920) (240-85395-17), AMW-23B-(20170920) (240-85395-19), AMW-24-(20170920) (240-85395-21), AMW-25-(20170920) (240-85395-23) and AMW-26-(20170920) (240-85395-25); therefore, the data have been reported.

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 240-296281.

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 240-296388.

Case Narrative

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Job ID: 240-85395-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 240-296485.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

WISCONSIN DRO

Samples AMW-07-(20170919) (240-85395-1), AMW-19-(20170919) (240-85395-5), AMW-20-(20170920) (240-85395-7), DUP-02-(20170920) (240-85395-9), AMW-21-(20170919) (240-85395-11), AMW-22-(20170919) (240-85395-13), AMW-22B-(20170919) (240-85395-15), AMW-23-(20170920) (240-85395-17), AMW-23B-(20170920) (240-85395-19), AMW-24-(20170920) (240-85395-21), AMW-25-(20170920) (240-85395-23) and AMW-26-(20170920) (240-85395-25) were analyzed for Wisconsin DRO in accordance with Wisconsin DNR Modified DRO. The samples were prepared on 09/26/2017 and 09/27/2017 and analyzed on 09/27/2017, 09/28/2017 and 09/29/2017.

WI Diesel Range Organics (C10-C28) was detected in method blank MB 240-296388/8-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. WI Diesel Range Organics (C10-C28) was detected in method blank MB 240-296579/6-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

Sample AMW-25-(20170920) (240-85395-23)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method(s) WI-DRO: Significant peaks, readily distinguished from background, were detected in the following samples within five minutes after the end of the analytical window defined by the last component eluting in the WI Diesel Range Organics (C10-C28) mix : AMW-07-(20170919) (240-85395-1) and AMW-21-(20170919) (240-85395-11).

Method(s) 3520C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 240-296387.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

WISCONSIN GRO

Samples AMW-07-(20170919) (240-85395-1), AMW-19-(20170919) (240-85395-5), AMW-20-(20170920) (240-85395-7), DUP-02-(20170920) (240-85395-9), AMW-21-(20170919) (240-85395-11), AMW-22-(20170919) (240-85395-13), AMW-22B-(20170919) (240-85395-15), AMW-23-(20170920) (240-85395-17), AMW-23B-(20170920) (240-85395-19), AMW-24-(20170920) (240-85395-21), AMW-25-(20170920) (240-85395-23) and AMW-26-(20170920) (240-85395-25) were analyzed for Wisconsin GRO in accordance with Wisconsin DNR Modified GRO. The samples were analyzed on 10/02/2017 and 10/03/2017.

Sample AMW-25-(20170920) (240-85395-23)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples AMW-07-(20170919) (240-85395-1), AMW-19-(20170919) (240-85395-5), AMW-20-(20170920) (240-85395-7), DUP-02-(20170920) (240-85395-9), AMW-21-(20170919) (240-85395-11), AMW-22-(20170919) (240-85395-13), AMW-22B-(20170919) (240-85395-15), AMW-23-(20170920) (240-85395-17), AMW-23B-(20170920) (240-85395-19), AMW-24-(20170920) (240-85395-21), AMW-25-(20170920) (240-85395-23) and AMW-26-(20170920) (240-85395-25) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 09/26/2017 and 09/27/2017 and analyzed on 09/28/2017, 09/29/2017 and 09/30/2017.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required. All of the samples in this data set analyzed for PCBs were subjected to the sulfuric acid clean-up procedure before instrumental analysis, per EPA Method 3665A.

Method(s) 8082: The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by

Case Narrative

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Job ID: 240-85395-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

sulfur: AMW-07-(20170919) (240-85395-1), AMW-22-(20170919) (240-85395-13) and AMW-22B-(20170919) (240-85395-15).3236867
3154249
3141111

Method(s) 8082: The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: AMW-20-(20170920) (240-85395-7), DUP-02-(20170920) (240-85395-9), AMW-23-(20170920) (240-85395-17), AMW-23B-(20170920) (240-85395-19), AMW-25-(20170920) (240-85395-23) and AMW-26-(20170920) (240-85395-25).

3261310
3154250
3141113

Method(s) 3520C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 240-296554.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DISSOLVED METALS (ICP)

Samples AMW-07-(20170919) (240-85395-1), AMW-19-(20170919) (240-85395-5), AMW-20-(20170920) (240-85395-7), DUP-02-(20170920) (240-85395-9), AMW-21-(20170919) (240-85395-11), AMW-22-(20170919) (240-85395-13), AMW-22B-(20170919) (240-85395-15), AMW-23-(20170920) (240-85395-17), AMW-23B-(20170920) (240-85395-19), AMW-24-(20170920) (240-85395-21), AMW-25-(20170920) (240-85395-23) and AMW-26-(20170920) (240-85395-25) were analyzed for dissolved metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 09/25/2017 and analyzed on 09/26/2017.

Method(s) 200.7 Rev 4.4, 6010B: Some requested practical quantitation limits (PQLs) on the following samples fall below the laboratory's verified standard quantitation limit: AMW-07-(20170919) (240-85395-1), AMW-19-(20170919) (240-85395-5), AMW-20-(20170920) (240-85395-7), DUP-02-(20170920) (240-85395-9), AMW-21-(20170919) (240-85395-11), AMW-22-(20170919) (240-85395-13), AMW-22B-(20170919) (240-85395-15), AMW-23-(20170920) (240-85395-17), AMW-23B-(20170920) (240-85395-19), AMW-24-(20170920) (240-85395-21), AMW-25-(20170920) (240-85395-23) and AMW-26-(20170920) (240-85395-25). The continuing calibration blanks and method blanks may not support the lower PQL.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DISSOLVED METALS (ICPMS)

Samples AMW-07-(20170919) (240-85395-1), AMW-19-(20170919) (240-85395-5), AMW-20-(20170920) (240-85395-7), DUP-02-(20170920) (240-85395-9), AMW-21-(20170919) (240-85395-11), AMW-22-(20170919) (240-85395-13), AMW-22B-(20170919) (240-85395-15), AMW-23-(20170920) (240-85395-17), AMW-23B-(20170920) (240-85395-19), AMW-24-(20170920) (240-85395-21), AMW-25-(20170920) (240-85395-23) and AMW-26-(20170920) (240-85395-25) were analyzed for dissolved metals (ICPMS) in accordance with EPA SW-846 Methods 6020A. The samples were prepared on 09/25/2017 and analyzed on 09/26/2017.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DISSOLVED MERCURY (CVAA)

Samples AMW-07-(20170919) (240-85395-1), AMW-19-(20170919) (240-85395-5), AMW-20-(20170920) (240-85395-7), DUP-02-(20170920) (240-85395-9), AMW-21-(20170919) (240-85395-11), AMW-22-(20170919) (240-85395-13), AMW-22B-(20170919) (240-85395-15), AMW-23-(20170920) (240-85395-17), AMW-23B-(20170920) (240-85395-19), AMW-24-(20170920) (240-85395-21), AMW-25-(20170920) (240-85395-23) and AMW-26-(20170920) (240-85395-25) were analyzed for dissolved mercury (CVAA) in accordance with EPA SW-846 Methods 7470A. The samples were prepared on 09/25/2017 and analyzed on 09/26/2017.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL CYANIDE

Samples AMW-07-(20170919) (240-85395-1), AMW-19-(20170919) (240-85395-5), AMW-20-(20170920) (240-85395-7), DUP-02-(20170920) (240-85395-9), AMW-21-(20170919) (240-85395-11), AMW-22-(20170919) (240-85395-13), AMW-22B-(20170919) (240-85395-15), AMW-23-(20170920) (240-85395-17), AMW-23B-(20170920) (240-85395-19), AMW-24-(20170920) (240-85395-21), AMW-25-(20170920) (240-85395-23) and AMW-26-(20170920) (240-85395-25) were analyzed for total cyanide in accordance with EPA

Case Narrative

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Job ID: 240-85395-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

SW-846 Method 9012B. The samples were prepared on 09/27/2017 and 09/28/2017 and analyzed on 09/28/2017.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CAN
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CAN
WI-GRO	Wisconsin - Gasoline Range Organics (GC)	WI-GRO	TAL CAN
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CAN
WI-DRO	Wisconsin - Diesel Range Organics (GC)	WI-DRO	TAL CAN
6010B	Metals (ICP)	SW846	TAL CAN
6020A	Metals (ICP/MS)	SW846	TAL CAN
7470A	Mercury (CVAA)	SW846	TAL CAN
9012B	Cyanide, Total and/or Amenable	SW846	TAL NSH

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
WI-DRO = "Modified DRO: Method For Determining Diesel Range Organics", Wisconsin DNR, Publ-SW-141, September, 1995.
WI-GRO = "Modified GRO: Method For Determining Gasoline Range Organics", Wisconsin DNR, Publ-SW-140, September, 1995.

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396
TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-85395-1	AMW-07-(20170919)	Water	09/19/17 09:25	09/22/17 09:00
240-85395-2	TRIP BLANK1	Water	09/19/17 00:00	09/22/17 09:00
240-85395-5	AMW-19-(20170919)	Water	09/19/17 16:05	09/22/17 09:00
240-85395-6	TRIP BLANK3	Water	09/19/17 00:00	09/22/17 09:00
240-85395-7	AMW-20-(20170920)	Water	09/20/17 09:33	09/22/17 09:00
240-85395-8	TRIP BLANK4	Water	09/20/17 00:00	09/22/17 09:00
240-85395-9	DUP-02-(20170920)	Water	09/20/17 00:00	09/22/17 09:00
240-85395-10	TRIP BLANK5	Water	09/20/17 00:00	09/22/17 09:00
240-85395-11	AMW-21-(20170919)	Water	09/19/17 10:45	09/22/17 09:00
240-85395-12	TRIP BLANK6	Water	09/19/17 00:00	09/22/17 09:00
240-85395-13	AMW-22-(20170919)	Water	09/19/17 12:00	09/22/17 09:00
240-85395-14	TRIP BLANK7	Water	09/19/17 00:00	09/22/17 09:00
240-85395-15	AMW-22B-(20170919)	Water	09/19/17 13:00	09/22/17 09:00
240-85395-16	TRIP BLANK8	Water	09/19/17 00:00	09/22/17 09:00
240-85395-17	AMW-23-(20170920)	Water	09/20/17 13:00	09/22/17 09:00
240-85395-18	TRIP BLANK9	Water	09/20/17 00:00	09/22/17 09:00
240-85395-19	AMW-23B-(20170920)	Water	09/20/17 12:00	09/22/17 09:00
240-85395-20	TRIP BLANK10	Water	09/20/17 00:00	09/22/17 09:00
240-85395-21	AMW-24-(20170920)	Water	09/20/17 14:40	09/22/17 09:00
240-85395-22	TRIP BLANK11	Water	09/20/17 00:00	09/22/17 09:00
240-85395-23	AMW-25-(20170920)	Water	09/20/17 15:48	09/22/17 09:00
240-85395-24	TRIP BLANK12	Water	09/20/17 00:00	09/22/17 09:00
240-85395-25	AMW-26-(20170920)	Water	09/20/17 17:15	09/23/17 09:20
240-85395-26	TRIP BLANK13	Water	09/20/17 00:00	09/23/17 09:20

TestAmerica Canton

Detection Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-07-(20170919)

Lab Sample ID: 240-85395-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	3.8		1.0	0.33	ug/L	1		8260B	Total/NA
Benzo[a]anthracene	0.18	J	0.20	0.029	ug/L	1		8270C	Total/NA
Caprolactam	0.77	J	4.9	0.20	ug/L	1		8270C	Total/NA
Chrysene	0.19	J	0.20	0.049	ug/L	1		8270C	Total/NA
Diethyl phthalate	1.2	J	2.0	0.59	ug/L	1		8270C	Total/NA
Fluoranthene	0.24		0.20	0.044	ug/L	1		8270C	Total/NA
Phenanthrene	0.12	J	0.20	0.061	ug/L	1		8270C	Total/NA
Pyrene	0.33		0.20	0.041	ug/L	1		8270C	Total/NA
WI Diesel Range Organics (C10-C28)	0.18	B	0.099	0.020	mg/L	1		WI-DRO	Total/NA
Barium	11	J	200	2.4	ug/L	1		6010B	Dissolved
Aluminum	1900		200	40	ug/L	1		6010B	Dissolved
Cadmium	0.40	J	5.0	0.29	ug/L	1		6010B	Dissolved
Chromium	2.2	J	10	0.55	ug/L	1		6010B	Dissolved
Beryllium	1.2	J	5.0	0.21	ug/L	1		6010B	Dissolved
Calcium	76000		5000	710	ug/L	1		6010B	Dissolved
Cobalt	13		7.0	0.84	ug/L	1		6010B	Dissolved
Potassium	5000		5000	70	ug/L	1		6010B	Dissolved
Magnesium	32000		5000	230	ug/L	1		6010B	Dissolved
Manganese	140		15	5.1	ug/L	1		6010B	Dissolved
Sodium	18000		5000	330	ug/L	1		6010B	Dissolved
Nickel	51		40	1.6	ug/L	1		6010B	Dissolved
Zinc	91		50	16	ug/L	1		6010B	Dissolved
Thallium	2.5		1.0	0.20	ug/L	1		6020A	Dissolved
Selenium	2.2	J	5.0	0.89	ug/L	1		6020A	Dissolved

Client Sample ID: TRIP BLANK1

Lab Sample ID: 240-85395-2

No Detections.

Client Sample ID: AMW-19-(20170919)

Lab Sample ID: 240-85395-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
WI Diesel Range Organics (C10-C28)	0.052	J B	0.096	0.019	mg/L	1		WI-DRO	Total/NA
Barium	130	J	200	2.4	ug/L	1		6010B	Dissolved
Chromium	5.0	J	10	0.55	ug/L	1		6010B	Dissolved
Calcium	140000		5000	710	ug/L	1		6010B	Dissolved
Iron	28	J	100	25	ug/L	1		6010B	Dissolved
Potassium	3200	J	5000	70	ug/L	1		6010B	Dissolved
Magnesium	41000		5000	230	ug/L	1		6010B	Dissolved
Manganese	140		15	5.1	ug/L	1		6010B	Dissolved
Sodium	36000		5000	330	ug/L	1		6010B	Dissolved
Nickel	2.7	J	40	1.6	ug/L	1		6010B	Dissolved

Client Sample ID: TRIP BLANK3

Lab Sample ID: 240-85395-6

No Detections.

Client Sample ID: AMW-20-(20170920)

Lab Sample ID: 240-85395-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.7	J	10	1.8	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Detection Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-20-(20170920) (Continued)

Lab Sample ID: 240-85395-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Diethyl phthalate	0.62	J B	1.9	0.57	ug/L	1			8270C	Total/NA
WI Diesel Range Organics (C10-C28)	0.060	J B	0.096	0.019	mg/L	1			WI-DRO	Total/NA
Barium	160	J	200	2.4	ug/L	1			6010B	Dissolved
Chromium	0.78	J	10	0.55	ug/L	1			6010B	Dissolved
Calcium	170000		5000	710	ug/L	1			6010B	Dissolved
Cobalt	1.4	J	7.0	0.84	ug/L	1			6010B	Dissolved
Iron	240		100	25	ug/L	1			6010B	Dissolved
Potassium	3000	J	5000	70	ug/L	1			6010B	Dissolved
Magnesium	49000		5000	230	ug/L	1			6010B	Dissolved
Manganese	790		15	5.1	ug/L	1			6010B	Dissolved
Sodium	54000		5000	330	ug/L	1			6010B	Dissolved
Nickel	3.4	J	40	1.6	ug/L	1			6010B	Dissolved

Client Sample ID: TRIP BLANK4

Lab Sample ID: 240-85395-8

No Detections.

Client Sample ID: DUP-02-(20170920)

Lab Sample ID: 240-85395-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
WI Diesel Range Organics (C10-C28)	0.056	J B	0.096	0.019	mg/L	1			WI-DRO	Total/NA
Barium	160	J	200	2.4	ug/L	1			6010B	Dissolved
Chromium	1.6	J	10	0.55	ug/L	1			6010B	Dissolved
Calcium	170000		5000	710	ug/L	1			6010B	Dissolved
Cobalt	1.5	J	7.0	0.84	ug/L	1			6010B	Dissolved
Iron	270		100	25	ug/L	1			6010B	Dissolved
Potassium	3000	J	5000	70	ug/L	1			6010B	Dissolved
Magnesium	49000		5000	230	ug/L	1			6010B	Dissolved
Manganese	810		15	5.1	ug/L	1			6010B	Dissolved
Sodium	54000		5000	330	ug/L	1			6010B	Dissolved
Nickel	3.6	J	40	1.6	ug/L	1			6010B	Dissolved

Client Sample ID: TRIP BLANK5

Lab Sample ID: 240-85395-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Acetone	2.1	J	10	1.8	ug/L	1			8260B	Total/NA

Client Sample ID: AMW-21-(20170919)

Lab Sample ID: 240-85395-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Carbon disulfide	3.8		1.0	0.34	ug/L	1			8260B	Total/NA
Benzo[a]anthracene	0.16	J	0.20	0.029	ug/L	1			8270C	Total/NA
Benzo[b]fluoranthene	0.11	J	0.20	0.039	ug/L	1			8270C	Total/NA
Benzo[a]pyrene	0.10	J	0.20	0.050	ug/L	1			8270C	Total/NA
Bis(2-ethylhexyl) phthalate	1.8	J	4.9	1.7	ug/L	1			8270C	Total/NA
Caprolactam	0.36	J	4.9	0.20	ug/L	1			8270C	Total/NA
Chrysene	0.16	J	0.20	0.049	ug/L	1			8270C	Total/NA
Fluoranthene	0.21		0.20	0.044	ug/L	1			8270C	Total/NA
Pyrene	0.24		0.20	0.041	ug/L	1			8270C	Total/NA
WI Diesel Range Organics (C10-C28)	0.66	B	0.097	0.019	mg/L	1			WI-DRO	Total/NA
Barium	94	J	200	2.4	ug/L	1			6010B	Dissolved

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Detection Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-21-(20170919) (Continued)

Lab Sample ID: 240-85395-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	160	J	200	40	ug/L	1		6010B	Dissolved
Chromium	1.4	J	10	0.55	ug/L	1		6010B	Dissolved
Calcium	150000		5000	710	ug/L	1		6010B	Dissolved
Cobalt	0.89	J	7.0	0.84	ug/L	1		6010B	Dissolved
Iron	1900		100	25	ug/L	1		6010B	Dissolved
Potassium	5600		5000	70	ug/L	1		6010B	Dissolved
Magnesium	44000		5000	230	ug/L	1		6010B	Dissolved
Manganese	2100		15	5.1	ug/L	1		6010B	Dissolved
Sodium	33000		5000	330	ug/L	1		6010B	Dissolved
Nickel	4.7	J	40	1.6	ug/L	1		6010B	Dissolved

Client Sample ID: TRIP BLANK6

Lab Sample ID: 240-85395-12

No Detections.

Client Sample ID: AMW-22-(20170919)

Lab Sample ID: 240-85395-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.5		1.0	0.30	ug/L	1		8260B	Total/NA
WI Diesel Range Organics (C10-C28)	0.063	J B	0.096	0.019	mg/L	1		WI-DRO	Total/NA
Barium	150	J	200	2.4	ug/L	1		6010B	Dissolved
Chromium	0.58	J	10	0.55	ug/L	1		6010B	Dissolved
Arsenic	7.4	J	10	3.3	ug/L	1		6010B	Dissolved
Calcium	120000		5000	710	ug/L	1		6010B	Dissolved
Cobalt	0.85	J	7.0	0.84	ug/L	1		6010B	Dissolved
Iron	6700		100	25	ug/L	1		6010B	Dissolved
Potassium	3900	J	5000	70	ug/L	1		6010B	Dissolved
Magnesium	34000		5000	230	ug/L	1		6010B	Dissolved
Manganese	1700		15	5.1	ug/L	1		6010B	Dissolved
Sodium	24000		5000	330	ug/L	1		6010B	Dissolved

Client Sample ID: TRIP BLANK7

Lab Sample ID: 240-85395-14

No Detections.

Client Sample ID: AMW-22B-(20170919)

Lab Sample ID: 240-85395-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.80	J	1.0	0.30	ug/L	1		8260B	Total/NA
WI Diesel Range Organics (C10-C28)	0.055	J B	0.096	0.019	mg/L	1		WI-DRO	Total/NA
Barium	180	J	200	2.4	ug/L	1		6010B	Dissolved
Chromium	1.1	J	10	0.55	ug/L	1		6010B	Dissolved
Calcium	79000		5000	710	ug/L	1		6010B	Dissolved
Iron	3100		100	25	ug/L	1		6010B	Dissolved
Potassium	2200	J	5000	70	ug/L	1		6010B	Dissolved
Magnesium	30000		5000	230	ug/L	1		6010B	Dissolved
Manganese	170		15	5.1	ug/L	1		6010B	Dissolved
Sodium	5900		5000	330	ug/L	1		6010B	Dissolved
Thallium	0.21	J	1.0	0.20	ug/L	1		6020A	Dissolved

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Detection Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: TRIP BLANK8

Lab Sample ID: 240-85395-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	87	E	10	1.8	ug/L	1		8260B	Total/NA
2-Butanone (MEK)	1.5	J	10	1.0	ug/L	1		8260B	Total/NA

Client Sample ID: AMW-23-(20170920)

Lab Sample ID: 240-85395-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.9	J	10	1.8	ug/L	1		8260B	Total/NA
Diethyl phthalate	0.92	J B	1.9	0.57	ug/L	1		8270C	Total/NA
WI Diesel Range Organics (C10-C28)	0.050	J B	0.095	0.019	mg/L	1		WI-DRO	Total/NA
Barium	190	J	200	2.4	ug/L	1		6010B	Dissolved
Chromium	1.6	J	10	0.55	ug/L	1		6010B	Dissolved
Calcium	160000		5000	710	ug/L	1		6010B	Dissolved
Cobalt	3.1	J	7.0	0.84	ug/L	1		6010B	Dissolved
Iron	720		100	25	ug/L	1		6010B	Dissolved
Potassium	3900	J	5000	70	ug/L	1		6010B	Dissolved
Magnesium	44000		5000	230	ug/L	1		6010B	Dissolved
Manganese	2700		15	5.1	ug/L	1		6010B	Dissolved
Sodium	54000		5000	330	ug/L	1		6010B	Dissolved
Nickel	2.7	J	40	1.6	ug/L	1		6010B	Dissolved

Client Sample ID: TRIP BLANK9

Lab Sample ID: 240-85395-18

No Detections.

Client Sample ID: AMW-23B-(20170920)

Lab Sample ID: 240-85395-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diethyl phthalate	1.9	B	1.9	0.57	ug/L	1		8270C	Total/NA
WI Diesel Range Organics (C10-C28)	0.046	J B	0.097	0.019	mg/L	1		WI-DRO	Total/NA
Barium	190	J	200	2.4	ug/L	1		6010B	Dissolved
Chromium	1.3	J	10	0.55	ug/L	1		6010B	Dissolved
Arsenic	3.4	J	10	3.3	ug/L	1		6010B	Dissolved
Calcium	77000		5000	710	ug/L	1		6010B	Dissolved
Cobalt	1.1	J	7.0	0.84	ug/L	1		6010B	Dissolved
Iron	3200		100	25	ug/L	1		6010B	Dissolved
Potassium	1800	J	5000	70	ug/L	1		6010B	Dissolved
Magnesium	27000		5000	230	ug/L	1		6010B	Dissolved
Manganese	230		15	5.1	ug/L	1		6010B	Dissolved
Sodium	9500		5000	330	ug/L	1		6010B	Dissolved

Client Sample ID: TRIP BLANK10

Lab Sample ID: 240-85395-20

No Detections.

Client Sample ID: AMW-24-(20170920)

Lab Sample ID: 240-85395-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diethyl phthalate	1.0	J B	1.9	0.57	ug/L	1		8270C	Total/NA
WI Diesel Range Organics (C10-C28)	0.066	J B	0.096	0.019	mg/L	1		WI-DRO	Total/NA
Barium	88	J	200	2.4	ug/L	1		6010B	Dissolved
Cadmium	0.32	J	5.0	0.29	ug/L	1		6010B	Dissolved

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Detection Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-24-(20170920) (Continued)

Lab Sample ID: 240-85395-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	0.70	J	10	0.55	ug/L	1		6010B	Dissolved
Calcium	170000		5000	710	ug/L	1		6010B	Dissolved
Cobalt	2.2	J	7.0	0.84	ug/L	1		6010B	Dissolved
Iron	1900		100	25	ug/L	1		6010B	Dissolved
Potassium	7500		5000	70	ug/L	1		6010B	Dissolved
Magnesium	43000		5000	230	ug/L	1		6010B	Dissolved
Manganese	1900		15	5.1	ug/L	1		6010B	Dissolved
Sodium	80000		5000	330	ug/L	1		6010B	Dissolved
Nickel	3.5	J	40	1.6	ug/L	1		6010B	Dissolved

Client Sample ID: TRIP BLANK11

Lab Sample ID: 240-85395-22

No Detections.

Client Sample ID: AMW-25-(20170920)

Lab Sample ID: 240-85395-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	68		20	4.8	ug/L	20		8260B	Total/NA
Ethylbenzene	59		20	5.2	ug/L	20		8260B	Total/NA
m-Xylene & p-Xylene	43		40	4.8	ug/L	20		8260B	Total/NA
n-Butylbenzene	150		20	4.2	ug/L	20		8260B	Total/NA
Isopropylbenzene	7.1	J	20	4.2	ug/L	20		8260B	Total/NA
N-Propylbenzene	25		20	9.0	ug/L	20		8260B	Total/NA
sec-Butylbenzene	12	J	20	5.4	ug/L	20		8260B	Total/NA
Diethyl phthalate	0.85	J B	1.9	0.57	ug/L	1		8270C	Total/NA
WI Gasoline Range Organics (C6-C10)	5700		1000	200	ug/L	10		WI-GRO	Total/NA
WI Diesel Range Organics (C10-C28)	7.0	B	0.95	0.19	mg/L	10		WI-DRO	Total/NA
Barium	130	J	200	2.4	ug/L	1		6010B	Dissolved
Chromium	1.4	J	10	0.55	ug/L	1		6010B	Dissolved
Calcium	170000		5000	710	ug/L	1		6010B	Dissolved
Iron	1700		100	25	ug/L	1		6010B	Dissolved
Potassium	3300	J	5000	70	ug/L	1		6010B	Dissolved
Magnesium	54000		5000	230	ug/L	1		6010B	Dissolved
Manganese	950		15	5.1	ug/L	1		6010B	Dissolved
Sodium	48000		5000	330	ug/L	1		6010B	Dissolved

Client Sample ID: TRIP BLANK12

Lab Sample ID: 240-85395-24

No Detections.

Client Sample ID: AMW-26-(20170920)

Lab Sample ID: 240-85395-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	3.6		1.0	0.32	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	1.2		1.0	0.30	ug/L	1		8260B	Total/NA
Acenaphthene	0.72		0.19	0.042	ug/L	1		8270C	Total/NA
Acenaphthylene	0.19		0.19	0.046	ug/L	1		8270C	Total/NA
Anthracene	0.60		0.19	0.084	ug/L	1		8270C	Total/NA
Benzo[a]anthracene	1.8		0.19	0.028	ug/L	1		8270C	Total/NA
Benzo[b]fluoranthene	1.8		0.19	0.038	ug/L	1		8270C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Detection Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-26-(20170920) (Continued)

Lab Sample ID: 240-85395-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[k]fluoranthene	0.93		0.19	0.043	ug/L	1		8270C	Total/NA
Benzo[g,h,i]perylene	0.98		0.19	0.044	ug/L	1		8270C	Total/NA
Benzo[a]pyrene	1.8		0.19	0.049	ug/L	1		8270C	Total/NA
Bis(2-ethylhexyl) phthalate	1.8	J	4.8	1.6	ug/L	1		8270C	Total/NA
Caprolactam	11		4.8	0.19	ug/L	1		8270C	Total/NA
Carbazole	0.33	J	0.95	0.27	ug/L	1		8270C	Total/NA
Chrysene	1.9		0.19	0.048	ug/L	1		8270C	Total/NA
2-Methylnaphthalene	0.24		0.19	0.086	ug/L	1		8270C	Total/NA
Dibenzofuran	0.55	J	0.95	0.019	ug/L	1		8270C	Total/NA
Diethyl phthalate	1.9	B	1.9	0.57	ug/L	1		8270C	Total/NA
Fluoranthene	3.8		0.19	0.042	ug/L	1		8270C	Total/NA
Fluorene	1.3		0.19	0.039	ug/L	1		8270C	Total/NA
Indeno[1,2,3-cd]pyrene	0.79		0.19	0.041	ug/L	1		8270C	Total/NA
Naphthalene	0.19		0.19	0.060	ug/L	1		8270C	Total/NA
Phenanthrene	1.8		0.19	0.059	ug/L	1		8270C	Total/NA
Pyrene	3.7		0.19	0.040	ug/L	1		8270C	Total/NA
WI Diesel Range Organics (C10-C28)	1.2	B	0.095	0.019	mg/L	1		WI-DRO	Total/NA
Barium	220		200	2.4	ug/L	1		6010B	Dissolved
Aluminum	62	J	200	40	ug/L	1		6010B	Dissolved
Chromium	1.4	J	10	0.55	ug/L	1		6010B	Dissolved
Arsenic	9.0	J	10	3.3	ug/L	1		6010B	Dissolved
Calcium	150000		5000	710	ug/L	1		6010B	Dissolved
Cobalt	0.90	J	7.0	0.84	ug/L	1		6010B	Dissolved
Iron	12000		100	25	ug/L	1		6010B	Dissolved
Potassium	5700		5000	70	ug/L	1		6010B	Dissolved
Magnesium	46000		5000	230	ug/L	1		6010B	Dissolved
Manganese	2300		15	5.1	ug/L	1		6010B	Dissolved
Sodium	56000		5000	330	ug/L	1		6010B	Dissolved
Nickel	3.0	J	40	1.6	ug/L	1		6010B	Dissolved

Client Sample ID: TRIP BLANK13

Lab Sample ID: 240-85395-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.3	J	10	1.8	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-07-(20170919)

Lab Sample ID: 240-85395-1

Date Collected: 09/19/17 09:25

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.46	ug/L			10/01/17 21:12	1
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			10/01/17 21:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.32	ug/L			10/01/17 21:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			10/01/17 21:12	1
1,1,2-Trichloroethane	ND		1.0	0.34	ug/L			10/01/17 21:12	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			10/01/17 21:12	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			10/01/17 21:12	1
1,1-Dichloropropene	ND		1.0	0.28	ug/L			10/01/17 21:12	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/01/17 21:12	1
1,2,3-Trichloropropane	ND		1.0	0.54	ug/L			10/01/17 21:12	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			10/01/17 21:12	1
1,2,4-Trimethylbenzene	ND		1.0	0.24	ug/L			10/01/17 21:12	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.47	ug/L			10/01/17 21:12	1
1,2-Dichlorobenzene	ND		1.0	0.26	ug/L			10/01/17 21:12	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/01/17 21:12	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/01/17 21:12	1
1,3,5-Trimethylbenzene	ND		1.0	0.24	ug/L			10/01/17 21:12	1
1,3-Dichlorobenzene	ND		1.0	0.32	ug/L			10/01/17 21:12	1
1,3-Dichloropropane	ND		1.0	0.29	ug/L			10/01/17 21:12	1
1,4-Dichlorobenzene	ND		1.0	0.23	ug/L			10/01/17 21:12	1
Allyl chloride	ND		2.0	0.38	ug/L			10/01/17 21:12	1
2,2-Dichloropropane	ND		1.0	0.34	ug/L			10/01/17 21:12	1
2-Chlorotoluene	ND		1.0	0.28	ug/L			10/01/17 21:12	1
2-Hexanone	ND		10	1.2	ug/L			10/01/17 21:12	1
Bromobenzene	ND		1.0	0.31	ug/L			10/01/17 21:12	1
Bromochloromethane	ND		1.0	0.47	ug/L			10/01/17 21:12	1
4-Chlorotoluene	ND		1.0	0.23	ug/L			10/01/17 21:12	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/01/17 21:12	1
Acetone	ND		10	1.8	ug/L			10/01/17 21:12	1
Benzene	ND		1.0	0.28	ug/L			10/01/17 21:12	1
Bromoform	ND		1.0	0.43	ug/L			10/01/17 21:12	1
Bromomethane	ND		1.0	0.42	ug/L			10/01/17 21:12	1
Carbon disulfide	ND		1.0	0.34	ug/L			10/01/17 21:12	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			10/01/17 21:12	1
Chlorobenzene	ND		1.0	0.32	ug/L			10/01/17 21:12	1
Chloroethane	ND		1.0	0.41	ug/L			10/01/17 21:12	1
Chloroform	ND		1.0	0.31	ug/L			10/01/17 21:12	1
Chloromethane	ND		1.0	0.43	ug/L			10/01/17 21:12	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/01/17 21:12	1
cis-1,3-Dichloropropene	ND		1.0	0.26	ug/L			10/01/17 21:12	1
Cyclohexane	ND		1.0	0.44	ug/L			10/01/17 21:12	1
Hexachlorobutadiene	ND		1.0	0.36	ug/L			10/01/17 21:12	1
Dibromomethane	ND		1.0	0.46	ug/L			10/01/17 21:12	1
Bromodichloromethane	ND		1.0	0.30	ug/L			10/01/17 21:12	1
Dichlorodifluoromethane	ND		1.0	0.50	ug/L			10/01/17 21:12	1
Dichlorofluoromethane	ND		2.0	0.43	ug/L			10/01/17 21:12	1
Ethyl ether	ND *		2.0	0.35	ug/L			10/01/17 21:12	1
Ethylbenzene	ND		1.0	0.26	ug/L			10/01/17 21:12	1
1,2-Dibromoethane	ND		1.0	0.23	ug/L			10/01/17 21:12	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-07-(20170919)

Lab Sample ID: 240-85395-1

Date Collected: 09/19/17 09:25

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.25	ug/L			10/01/17 21:12	1
m-Xylene & p-Xylene	ND		2.0	0.24	ug/L			10/01/17 21:12	1
n-Butylbenzene	ND		1.0	0.21	ug/L			10/01/17 21:12	1
Isopropylbenzene	ND		1.0	0.21	ug/L			10/01/17 21:12	1
Methyl acetate	ND		10	1.4	ug/L			10/01/17 21:12	1
N-Propylbenzene	ND		1.0	0.45	ug/L			10/01/17 21:12	1
2-Butanone (MEK)	ND		10	1.0	ug/L			10/01/17 21:12	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.71	ug/L			10/01/17 21:12	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/01/17 21:12	1
Methyl tert butyl ether	ND		1.0	0.27	ug/L			10/01/17 21:12	1
Methylene Chloride	ND		1.0	0.53	ug/L			10/01/17 21:12	1
o-Xylene	ND		1.0	0.28	ug/L			10/01/17 21:12	1
Styrene	ND		1.0	0.23	ug/L			10/01/17 21:12	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/01/17 21:12	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/01/17 21:12	1
Tetrahydrofuran	ND		5.0	0.84	ug/L			10/01/17 21:12	1
Toluene	ND		1.0	0.23	ug/L			10/01/17 21:12	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			10/01/17 21:12	1
trans-1,3-Dichloropropene	ND		1.0	0.31	ug/L			10/01/17 21:12	1
Trichloroethene	3.8		1.0	0.33	ug/L			10/01/17 21:12	1
Trichlorofluoromethane	ND		1.0	0.50	ug/L			10/01/17 21:12	1
Vinyl chloride	ND		1.0	0.45	ug/L			10/01/17 21:12	1
Methylcyclohexane	ND		1.0	0.45	ug/L			10/01/17 21:12	1
Chlorodibromomethane	ND		1.0	0.25	ug/L			10/01/17 21:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		61 - 138		10/01/17 21:12	1
4-Bromofluorobenzene (Surr)	118		69 - 120		10/01/17 21:12	1
Toluene-d8 (Surr)	100		73 - 120		10/01/17 21:12	1
Dibromofluoromethane (Surr)	120		69 - 124		10/01/17 21:12	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.043	ug/L		09/26/17 08:36	09/29/17 18:07	1
Acenaphthylene	ND		0.20	0.047	ug/L		09/26/17 08:36	09/29/17 18:07	1
Acetophenone	ND		0.98	0.33	ug/L		09/26/17 08:36	09/29/17 18:07	1
Anthracene	ND		0.20	0.086	ug/L		09/26/17 08:36	09/29/17 18:07	1
Atrazine	ND		2.0	0.33	ug/L		09/26/17 08:36	09/29/17 18:07	1
Benzaldehyde	ND		2.0	0.38	ug/L		09/26/17 08:36	09/29/17 18:07	1
Benzo[a]anthracene	0.18	J	0.20	0.029	ug/L		09/26/17 08:36	09/29/17 18:07	1
Benzo[b]fluoranthene	ND		0.20	0.039	ug/L		09/26/17 08:36	09/29/17 18:07	1
Benzo[k]fluoranthene	ND		0.20	0.044	ug/L		09/26/17 08:36	09/29/17 18:07	1
Benzo[g,h,i]perylene	ND		0.20	0.045	ug/L		09/26/17 08:36	09/29/17 18:07	1
Benzo[a]pyrene	ND		0.20	0.050	ug/L		09/26/17 08:36	09/29/17 18:07	1
Butyl benzyl phthalate	ND		2.0	0.25	ug/L		09/26/17 08:36	09/29/17 18:07	1
1,1'-Biphenyl	ND		0.98	0.13	ug/L		09/26/17 08:36	09/29/17 18:07	1
Bis(2-chloroethoxy)methane	ND		0.98	0.31	ug/L		09/26/17 08:36	09/29/17 18:07	1
Bis(2-chloroethyl)ether	ND		0.98	0.098	ug/L		09/26/17 08:36	09/29/17 18:07	1
Bis(2-ethylhexyl) phthalate	ND		4.9	1.7	ug/L		09/26/17 08:36	09/29/17 18:07	1
4-Bromophenyl phenyl ether	ND		2.0	0.22	ug/L		09/26/17 08:36	09/29/17 18:07	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-07-(20170919)

Lab Sample ID: 240-85395-1

Date Collected: 09/19/17 09:25

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Caprolactam	0.77	J	4.9	0.20	ug/L		09/26/17 08:36	09/29/17 18:07	1
Carbazole	ND		0.98	0.27	ug/L		09/26/17 08:36	09/29/17 18:07	1
4-Chloroaniline	ND		2.0	0.21	ug/L		09/26/17 08:36	09/29/17 18:07	1
4-Chloro-3-methylphenol	ND		2.0	0.21	ug/L		09/26/17 08:36	09/29/17 18:07	1
2-Chloronaphthalene	ND		0.98	0.098	ug/L		09/26/17 08:36	09/29/17 18:07	1
2-Chlorophenol	ND		0.98	0.28	ug/L		09/26/17 08:36	09/29/17 18:07	1
4-Chlorophenyl phenyl ether	ND		2.0	0.29	ug/L		09/26/17 08:36	09/29/17 18:07	1
Chrysene	0.19	J	0.20	0.049	ug/L		09/26/17 08:36	09/29/17 18:07	1
2-Methylnaphthalene	ND		0.20	0.089	ug/L		09/26/17 08:36	09/29/17 18:07	1
3 & 4 Methylphenol	ND		2.0	0.78	ug/L		09/26/17 08:36	09/29/17 18:07	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		09/26/17 08:36	09/29/17 18:07	1
Dibenzofuran	ND		0.98	0.020	ug/L		09/26/17 08:36	09/29/17 18:07	1
3,3'-Dichlorobenzidine	ND		4.9	0.36	ug/L		09/26/17 08:36	09/29/17 18:07	1
2,4-Dichlorophenol	ND		2.0	0.19	ug/L		09/26/17 08:36	09/29/17 18:07	1
Diethyl phthalate	1.2	J	2.0	0.59	ug/L		09/26/17 08:36	09/29/17 18:07	1
2,4-Dimethylphenol	ND		2.0	0.25	ug/L		09/26/17 08:36	09/29/17 18:07	1
Dimethyl phthalate	ND		2.0	0.28	ug/L		09/26/17 08:36	09/29/17 18:07	1
4,6-Dinitro-2-methylphenol	ND		4.9	2.4	ug/L		09/26/17 08:36	09/29/17 18:07	1
2,4-Dinitrophenol	ND		4.9	0.31	ug/L		09/26/17 08:36	09/29/17 18:07	1
2,4-Dinitrotoluene	ND		4.9	0.25	ug/L		09/26/17 08:36	09/29/17 18:07	1
Di-n-butyl phthalate	ND		4.9	1.7	ug/L		09/26/17 08:36	09/29/17 18:07	1
Di-n-octyl phthalate	ND		2.0	0.23	ug/L		09/26/17 08:36	09/29/17 18:07	1
Fluoranthene	0.24		0.20	0.044	ug/L		09/26/17 08:36	09/29/17 18:07	1
Fluorene	ND		0.20	0.040	ug/L		09/26/17 08:36	09/29/17 18:07	1
Hexachlorobenzene	ND		0.20	0.084	ug/L		09/26/17 08:36	09/29/17 18:07	1
Hexachlorobutadiene	ND		0.98	0.26	ug/L		09/26/17 08:36	09/29/17 18:07	1
Hexachlorocyclopentadiene	ND		9.8	0.24	ug/L		09/26/17 08:36	09/29/17 18:07	1
Hexachloroethane	ND		0.98	0.19	ug/L		09/26/17 08:36	09/29/17 18:07	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.042	ug/L		09/26/17 08:36	09/29/17 18:07	1
Isophorone	ND		0.98	0.26	ug/L		09/26/17 08:36	09/29/17 18:07	1
2-Methylphenol	ND		0.98	0.17	ug/L		09/26/17 08:36	09/29/17 18:07	1
Naphthalene	ND		0.20	0.061	ug/L		09/26/17 08:36	09/29/17 18:07	1
2-Nitroaniline	ND		2.0	0.21	ug/L		09/26/17 08:36	09/29/17 18:07	1
3-Nitroaniline	ND		2.0	0.27	ug/L		09/26/17 08:36	09/29/17 18:07	1
4-Nitroaniline	ND		2.0	0.22	ug/L		09/26/17 08:36	09/29/17 18:07	1
Nitrobenzene	ND		0.98	0.039	ug/L		09/26/17 08:36	09/29/17 18:07	1
2-Nitrophenol	ND		2.0	0.27	ug/L		09/26/17 08:36	09/29/17 18:07	1
4-Nitrophenol	ND		4.9	0.28	ug/L		09/26/17 08:36	09/29/17 18:07	1
N-Nitrosodiphenylamine	ND		0.98	0.30	ug/L		09/26/17 08:36	09/29/17 18:07	1
N-Nitrosodi-n-propylamine	ND		0.98	0.24	ug/L		09/26/17 08:36	09/29/17 18:07	1
2,2'-oxybis[1-chloropropane]	ND		0.98	0.39	ug/L		09/26/17 08:36	09/29/17 18:07	1
Pentachlorophenol	ND		4.9	0.26	ug/L		09/26/17 08:36	09/29/17 18:07	1
Phenanthrene	0.12	J	0.20	0.061	ug/L		09/26/17 08:36	09/29/17 18:07	1
Phenol	ND		0.98	0.59	ug/L		09/26/17 08:36	09/29/17 18:07	1
Pyrene	0.33		0.20	0.041	ug/L		09/26/17 08:36	09/29/17 18:07	1
2,4,5-Trichlorophenol	ND		4.9	0.29	ug/L		09/26/17 08:36	09/29/17 18:07	1
2,4,6-Trichlorophenol	ND		4.9	0.24	ug/L		09/26/17 08:36	09/29/17 18:07	1
2,6-Dinitrotoluene	ND		4.9	0.78	ug/L		09/26/17 08:36	09/29/17 18:07	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-07-(20170919)

Lab Sample ID: 240-85395-1

Date Collected: 09/19/17 09:25

Matrix: Water

Date Received: 09/22/17 09:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	84		38 - 120	09/26/17 08:36	09/29/17 18:07	1
2-Fluorophenol (Surr)	36		10 - 120	09/26/17 08:36	09/29/17 18:07	1
2,4,6-Tribromophenol (Surr)	52		28 - 120	09/26/17 08:36	09/29/17 18:07	1
Nitrobenzene-d5 (Surr)	64		32 - 120	09/26/17 08:36	09/29/17 18:07	1
Phenol-d5 (Surr)	23		10 - 120	09/26/17 08:36	09/29/17 18:07	1
Terphenyl-d14 (Surr)	97		23 - 127	09/26/17 08:36	09/29/17 18:07	1

Method: WI-GRO - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
WI Gasoline Range Organics (C6-C10)	ND		100	20	ug/L	-		10/02/17 22:30	1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.19	0.049	ug/L	-	09/26/17 14:40	09/28/17 16:52	1
Aroclor-1221	ND		0.19	0.087	ug/L	-	09/26/17 14:40	09/28/17 16:52	1
Aroclor-1232	ND		0.19	0.068	ug/L	-	09/26/17 14:40	09/28/17 16:52	1
Aroclor-1242	ND		0.19	0.058	ug/L	-	09/26/17 14:40	09/28/17 16:52	1
Aroclor-1248	ND		0.19	0.049	ug/L	-	09/26/17 14:40	09/28/17 16:52	1
Aroclor-1254	ND		0.19	0.029	ug/L	-	09/26/17 14:40	09/28/17 16:52	1
Aroclor-1260	ND		0.19	0.039	ug/L	-	09/26/17 14:40	09/28/17 16:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	28		10 - 120	09/26/17 14:40	09/28/17 16:52	1
Tetrachloro-m-xylene	43		21 - 120	09/26/17 14:40	09/28/17 16:52	1

Method: WI-DRO - Wisconsin - Diesel Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
WI Diesel Range Organics (C10-C28)	0.18	B	0.099	0.020	mg/L	-	09/26/17 14:46	09/27/17 18:18	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	11	J	200	2.4	ug/L	-	09/25/17 14:00	09/26/17 20:14	1
Aluminum	1900		200	40	ug/L	-	09/25/17 14:00	09/26/17 20:14	1
Cadmium	0.40	J	5.0	0.29	ug/L	-	09/25/17 14:00	09/26/17 20:14	1
Chromium	2.2	J	10	0.55	ug/L	-	09/25/17 14:00	09/26/17 20:14	1
Silver	ND		10	0.92	ug/L	-	09/25/17 14:00	09/26/17 20:14	1
Arsenic	ND		10	3.3	ug/L	-	09/25/17 14:00	09/26/17 20:14	1
Beryllium	1.2	J	5.0	0.21	ug/L	-	09/25/17 14:00	09/26/17 20:14	1
Lead	ND		3.0	1.9	ug/L	-	09/25/17 14:00	09/26/17 20:14	1
Calcium	76000		5000	710	ug/L	-	09/25/17 14:00	09/26/17 20:14	1
Cobalt	13		7.0	0.84	ug/L	-	09/25/17 14:00	09/26/17 20:14	1
Copper	ND		25	3.9	ug/L	-	09/25/17 14:00	09/26/17 20:14	1
Iron	ND		100	25	ug/L	-	09/25/17 14:00	09/26/17 20:14	1
Potassium	5000		5000	70	ug/L	-	09/25/17 14:00	09/26/17 20:14	1
Magnesium	32000		5000	230	ug/L	-	09/25/17 14:00	09/26/17 20:14	1
Manganese	140		15	5.1	ug/L	-	09/25/17 14:00	09/26/17 20:14	1
Sodium	18000		5000	330	ug/L	-	09/25/17 14:00	09/26/17 20:14	1
Nickel	51		40	1.6	ug/L	-	09/25/17 14:00	09/26/17 20:14	1
Antimony	ND		10	3.1	ug/L	-	09/25/17 14:00	09/26/17 20:14	1
Vanadium	ND		10	4.4	ug/L	-	09/25/17 14:00	09/26/17 20:14	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-07-(20170919)

Lab Sample ID: 240-85395-1

Date Collected: 09/19/17 09:25

Matrix: Water

Date Received: 09/22/17 09:00

Method: 6010B - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	91		50	16	ug/L	-	09/25/17 14:00	09/26/17 20:14	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	2.5		1.0	0.20	ug/L	-	09/25/17 14:00	09/26/17 15:15	1
Selenium	2.2	J	5.0	0.89	ug/L	-	09/25/17 14:00	09/26/17 15:15	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L	-	09/25/17 14:00	09/26/17 11:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0070	mg/L	-	09/27/17 13:01	09/28/17 16:25	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: TRIP BLANK1

Lab Sample ID: 240-85395-2

Date Collected: 09/19/17 00:00

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.46	ug/L			10/01/17 21:34	1
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			10/01/17 21:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.32	ug/L			10/01/17 21:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			10/01/17 21:34	1
1,1,2-Trichloroethane	ND		1.0	0.34	ug/L			10/01/17 21:34	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			10/01/17 21:34	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			10/01/17 21:34	1
1,1-Dichloropropene	ND		1.0	0.28	ug/L			10/01/17 21:34	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/01/17 21:34	1
1,2,3-Trichloropropane	ND		1.0	0.54	ug/L			10/01/17 21:34	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			10/01/17 21:34	1
1,2,4-Trimethylbenzene	ND		1.0	0.24	ug/L			10/01/17 21:34	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.47	ug/L			10/01/17 21:34	1
1,2-Dichlorobenzene	ND		1.0	0.26	ug/L			10/01/17 21:34	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/01/17 21:34	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/01/17 21:34	1
1,3,5-Trimethylbenzene	ND		1.0	0.24	ug/L			10/01/17 21:34	1
1,3-Dichlorobenzene	ND		1.0	0.32	ug/L			10/01/17 21:34	1
1,3-Dichloropropane	ND		1.0	0.29	ug/L			10/01/17 21:34	1
1,4-Dichlorobenzene	ND		1.0	0.23	ug/L			10/01/17 21:34	1
Allyl chloride	ND		2.0	0.38	ug/L			10/01/17 21:34	1
2,2-Dichloropropane	ND		1.0	0.34	ug/L			10/01/17 21:34	1
2-Chlorotoluene	ND		1.0	0.28	ug/L			10/01/17 21:34	1
2-Hexanone	ND		10	1.2	ug/L			10/01/17 21:34	1
Bromobenzene	ND		1.0	0.31	ug/L			10/01/17 21:34	1
Bromochloromethane	ND		1.0	0.47	ug/L			10/01/17 21:34	1
4-Chlorotoluene	ND		1.0	0.23	ug/L			10/01/17 21:34	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/01/17 21:34	1
Acetone	ND		10	1.8	ug/L			10/01/17 21:34	1
Benzene	ND		1.0	0.28	ug/L			10/01/17 21:34	1
Bromoform	ND		1.0	0.43	ug/L			10/01/17 21:34	1
Bromomethane	ND		1.0	0.42	ug/L			10/01/17 21:34	1
Carbon disulfide	ND		1.0	0.34	ug/L			10/01/17 21:34	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			10/01/17 21:34	1
Chlorobenzene	ND		1.0	0.32	ug/L			10/01/17 21:34	1
Chloroethane	ND		1.0	0.41	ug/L			10/01/17 21:34	1
Chloroform	ND		1.0	0.31	ug/L			10/01/17 21:34	1
Chloromethane	ND		1.0	0.43	ug/L			10/01/17 21:34	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/01/17 21:34	1
cis-1,3-Dichloropropene	ND		1.0	0.26	ug/L			10/01/17 21:34	1
Cyclohexane	ND		1.0	0.44	ug/L			10/01/17 21:34	1
Hexachlorobutadiene	ND		1.0	0.36	ug/L			10/01/17 21:34	1
Dibromomethane	ND		1.0	0.46	ug/L			10/01/17 21:34	1
Bromodichloromethane	ND		1.0	0.30	ug/L			10/01/17 21:34	1
Dichlorodifluoromethane	ND		1.0	0.50	ug/L			10/01/17 21:34	1
Dichlorofluoromethane	ND		2.0	0.43	ug/L			10/01/17 21:34	1
Ethyl ether	ND *		2.0	0.35	ug/L			10/01/17 21:34	1
Ethylbenzene	ND		1.0	0.26	ug/L			10/01/17 21:34	1
1,2-Dibromoethane	ND		1.0	0.23	ug/L			10/01/17 21:34	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: TRIP BLANK1

Lab Sample ID: 240-85395-2

Date Collected: 09/19/17 00:00

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.25	ug/L			10/01/17 21:34	1
m-Xylene & p-Xylene	ND		2.0	0.24	ug/L			10/01/17 21:34	1
n-Butylbenzene	ND		1.0	0.21	ug/L			10/01/17 21:34	1
Isopropylbenzene	ND		1.0	0.21	ug/L			10/01/17 21:34	1
Methyl acetate	ND		10	1.4	ug/L			10/01/17 21:34	1
N-Propylbenzene	ND		1.0	0.45	ug/L			10/01/17 21:34	1
2-Butanone (MEK)	ND		10	1.0	ug/L			10/01/17 21:34	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.71	ug/L			10/01/17 21:34	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/01/17 21:34	1
Methyl tert butyl ether	ND		1.0	0.27	ug/L			10/01/17 21:34	1
Methylene Chloride	ND		1.0	0.53	ug/L			10/01/17 21:34	1
o-Xylene	ND		1.0	0.28	ug/L			10/01/17 21:34	1
Styrene	ND		1.0	0.23	ug/L			10/01/17 21:34	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/01/17 21:34	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/01/17 21:34	1
Tetrahydrofuran	ND		5.0	0.84	ug/L			10/01/17 21:34	1
Toluene	ND		1.0	0.23	ug/L			10/01/17 21:34	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			10/01/17 21:34	1
trans-1,3-Dichloropropene	ND		1.0	0.31	ug/L			10/01/17 21:34	1
Trichloroethene	ND		1.0	0.33	ug/L			10/01/17 21:34	1
Trichlorofluoromethane	ND		1.0	0.50	ug/L			10/01/17 21:34	1
Vinyl chloride	ND		1.0	0.45	ug/L			10/01/17 21:34	1
Methylcyclohexane	ND		1.0	0.45	ug/L			10/01/17 21:34	1
Chlorodibromomethane	ND		1.0	0.25	ug/L			10/01/17 21:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		61 - 138		10/01/17 21:34	1
4-Bromofluorobenzene (Surr)	113		69 - 120		10/01/17 21:34	1
Toluene-d8 (Surr)	103		73 - 120		10/01/17 21:34	1
Dibromofluoromethane (Surr)	121		69 - 124		10/01/17 21:34	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-19-(20170919)

Lab Sample ID: 240-85395-5

Date Collected: 09/19/17 16:05

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.46	ug/L			10/01/17 21:56	1
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			10/01/17 21:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.32	ug/L			10/01/17 21:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			10/01/17 21:56	1
1,1,2-Trichloroethane	ND		1.0	0.34	ug/L			10/01/17 21:56	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			10/01/17 21:56	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			10/01/17 21:56	1
1,1-Dichloropropene	ND		1.0	0.28	ug/L			10/01/17 21:56	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/01/17 21:56	1
1,2,3-Trichloropropane	ND		1.0	0.54	ug/L			10/01/17 21:56	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			10/01/17 21:56	1
1,2,4-Trimethylbenzene	ND		1.0	0.24	ug/L			10/01/17 21:56	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.47	ug/L			10/01/17 21:56	1
1,2-Dichlorobenzene	ND		1.0	0.26	ug/L			10/01/17 21:56	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/01/17 21:56	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/01/17 21:56	1
1,3,5-Trimethylbenzene	ND		1.0	0.24	ug/L			10/01/17 21:56	1
1,3-Dichlorobenzene	ND		1.0	0.32	ug/L			10/01/17 21:56	1
1,3-Dichloropropane	ND		1.0	0.29	ug/L			10/01/17 21:56	1
1,4-Dichlorobenzene	ND		1.0	0.23	ug/L			10/01/17 21:56	1
Allyl chloride	ND		2.0	0.38	ug/L			10/01/17 21:56	1
2,2-Dichloropropane	ND		1.0	0.34	ug/L			10/01/17 21:56	1
2-Chlorotoluene	ND		1.0	0.28	ug/L			10/01/17 21:56	1
2-Hexanone	ND		10	1.2	ug/L			10/01/17 21:56	1
Bromobenzene	ND		1.0	0.31	ug/L			10/01/17 21:56	1
Bromochloromethane	ND		1.0	0.47	ug/L			10/01/17 21:56	1
4-Chlorotoluene	ND		1.0	0.23	ug/L			10/01/17 21:56	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/01/17 21:56	1
Acetone	ND		10	1.8	ug/L			10/01/17 21:56	1
Benzene	ND		1.0	0.28	ug/L			10/01/17 21:56	1
Bromoform	ND		1.0	0.43	ug/L			10/01/17 21:56	1
Bromomethane	ND		1.0	0.42	ug/L			10/01/17 21:56	1
Carbon disulfide	ND		1.0	0.34	ug/L			10/01/17 21:56	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			10/01/17 21:56	1
Chlorobenzene	ND		1.0	0.32	ug/L			10/01/17 21:56	1
Chloroethane	ND		1.0	0.41	ug/L			10/01/17 21:56	1
Chloroform	ND		1.0	0.31	ug/L			10/01/17 21:56	1
Chloromethane	ND		1.0	0.43	ug/L			10/01/17 21:56	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/01/17 21:56	1
cis-1,3-Dichloropropene	ND		1.0	0.26	ug/L			10/01/17 21:56	1
Cyclohexane	ND		1.0	0.44	ug/L			10/01/17 21:56	1
Hexachlorobutadiene	ND		1.0	0.36	ug/L			10/01/17 21:56	1
Dibromomethane	ND		1.0	0.46	ug/L			10/01/17 21:56	1
Bromodichloromethane	ND		1.0	0.30	ug/L			10/01/17 21:56	1
Dichlorodifluoromethane	ND		1.0	0.50	ug/L			10/01/17 21:56	1
Dichlorofluoromethane	ND		2.0	0.43	ug/L			10/01/17 21:56	1
Ethyl ether	ND *		2.0	0.35	ug/L			10/01/17 21:56	1
Ethylbenzene	ND		1.0	0.26	ug/L			10/01/17 21:56	1
1,2-Dibromoethane	ND		1.0	0.23	ug/L			10/01/17 21:56	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-19-(20170919)

Lab Sample ID: 240-85395-5

Date Collected: 09/19/17 16:05

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.25	ug/L			10/01/17 21:56	1
m-Xylene & p-Xylene	ND		2.0	0.24	ug/L			10/01/17 21:56	1
n-Butylbenzene	ND		1.0	0.21	ug/L			10/01/17 21:56	1
Isopropylbenzene	ND		1.0	0.21	ug/L			10/01/17 21:56	1
Methyl acetate	ND		10	1.4	ug/L			10/01/17 21:56	1
N-Propylbenzene	ND		1.0	0.45	ug/L			10/01/17 21:56	1
2-Butanone (MEK)	ND		10	1.0	ug/L			10/01/17 21:56	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.71	ug/L			10/01/17 21:56	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/01/17 21:56	1
Methyl tert butyl ether	ND		1.0	0.27	ug/L			10/01/17 21:56	1
Methylene Chloride	ND		1.0	0.53	ug/L			10/01/17 21:56	1
o-Xylene	ND		1.0	0.28	ug/L			10/01/17 21:56	1
Styrene	ND		1.0	0.23	ug/L			10/01/17 21:56	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/01/17 21:56	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/01/17 21:56	1
Tetrahydrofuran	ND		5.0	0.84	ug/L			10/01/17 21:56	1
Toluene	ND		1.0	0.23	ug/L			10/01/17 21:56	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			10/01/17 21:56	1
trans-1,3-Dichloropropene	ND		1.0	0.31	ug/L			10/01/17 21:56	1
Trichloroethene	ND		1.0	0.33	ug/L			10/01/17 21:56	1
Trichlorofluoromethane	ND		1.0	0.50	ug/L			10/01/17 21:56	1
Vinyl chloride	ND		1.0	0.45	ug/L			10/01/17 21:56	1
Methylcyclohexane	ND		1.0	0.45	ug/L			10/01/17 21:56	1
Chlorodibromomethane	ND		1.0	0.25	ug/L			10/01/17 21:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		61 - 138		10/01/17 21:56	1
4-Bromofluorobenzene (Surr)	119		69 - 120		10/01/17 21:56	1
Toluene-d8 (Surr)	103		73 - 120		10/01/17 21:56	1
Dibromofluoromethane (Surr)	119		69 - 124		10/01/17 21:56	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.042	ug/L		09/26/17 08:36	09/29/17 16:06	1
Acenaphthylene	ND		0.19	0.046	ug/L		09/26/17 08:36	09/29/17 16:06	1
Acetophenone	ND		0.95	0.32	ug/L		09/26/17 08:36	09/29/17 16:06	1
Anthracene	ND		0.19	0.084	ug/L		09/26/17 08:36	09/29/17 16:06	1
Atrazine	ND		1.9	0.32	ug/L		09/26/17 08:36	09/29/17 16:06	1
Benzaldehyde	ND		1.9	0.37	ug/L		09/26/17 08:36	09/29/17 16:06	1
Benzo[a]anthracene	ND		0.19	0.028	ug/L		09/26/17 08:36	09/29/17 16:06	1
Benzo[b]fluoranthene	ND		0.19	0.038	ug/L		09/26/17 08:36	09/29/17 16:06	1
Benzo[k]fluoranthene	ND		0.19	0.043	ug/L		09/26/17 08:36	09/29/17 16:06	1
Benzo[g,h,i]perylene	ND		0.19	0.044	ug/L		09/26/17 08:36	09/29/17 16:06	1
Benzo[a]pyrene	ND		0.19	0.049	ug/L		09/26/17 08:36	09/29/17 16:06	1
Butyl benzyl phthalate	ND		1.9	0.25	ug/L		09/26/17 08:36	09/29/17 16:06	1
1,1'-Biphenyl	ND		0.95	0.12	ug/L		09/26/17 08:36	09/29/17 16:06	1
Bis(2-chloroethoxy)methane	ND		0.95	0.30	ug/L		09/26/17 08:36	09/29/17 16:06	1
Bis(2-chloroethyl)ether	ND		0.95	0.095	ug/L		09/26/17 08:36	09/29/17 16:06	1
Bis(2-ethylhexyl) phthalate	ND		4.8	1.6	ug/L		09/26/17 08:36	09/29/17 16:06	1
4-Bromophenyl phenyl ether	ND		1.9	0.21	ug/L		09/26/17 08:36	09/29/17 16:06	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-19-(20170919)

Lab Sample ID: 240-85395-5

Date Collected: 09/19/17 16:05

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Caprolactam	ND		4.8	0.19	ug/L		09/26/17 08:36	09/29/17 16:06	1
Carbazole	ND		0.95	0.27	ug/L		09/26/17 08:36	09/29/17 16:06	1
4-Chloroaniline	ND		1.9	0.20	ug/L		09/26/17 08:36	09/29/17 16:06	1
4-Chloro-3-methylphenol	ND		1.9	0.20	ug/L		09/26/17 08:36	09/29/17 16:06	1
2-Chloronaphthalene	ND		0.95	0.095	ug/L		09/26/17 08:36	09/29/17 16:06	1
2-Chlorophenol	ND		0.95	0.28	ug/L		09/26/17 08:36	09/29/17 16:06	1
4-Chlorophenyl phenyl ether	ND		1.9	0.29	ug/L		09/26/17 08:36	09/29/17 16:06	1
Chrysene	ND		0.19	0.048	ug/L		09/26/17 08:36	09/29/17 16:06	1
2-Methylnaphthalene	ND		0.19	0.086	ug/L		09/26/17 08:36	09/29/17 16:06	1
3 & 4 Methylphenol	ND		1.9	0.76	ug/L		09/26/17 08:36	09/29/17 16:06	1
Dibenz(a,h)anthracene	ND		0.19	0.042	ug/L		09/26/17 08:36	09/29/17 16:06	1
Dibenzofuran	ND		0.95	0.019	ug/L		09/26/17 08:36	09/29/17 16:06	1
3,3'-Dichlorobenzidine	ND		4.8	0.35	ug/L		09/26/17 08:36	09/29/17 16:06	1
2,4-Dichlorophenol	ND		1.9	0.18	ug/L		09/26/17 08:36	09/29/17 16:06	1
Diethyl phthalate	ND		1.9	0.57	ug/L		09/26/17 08:36	09/29/17 16:06	1
2,4-Dimethylphenol	ND		1.9	0.24	ug/L		09/26/17 08:36	09/29/17 16:06	1
Dimethyl phthalate	ND		1.9	0.28	ug/L		09/26/17 08:36	09/29/17 16:06	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.3	ug/L		09/26/17 08:36	09/29/17 16:06	1
2,4-Dinitrophenol	ND		4.8	0.30	ug/L		09/26/17 08:36	09/29/17 16:06	1
2,4-Dinitrotoluene	ND		4.8	0.24	ug/L		09/26/17 08:36	09/29/17 16:06	1
Di-n-butyl phthalate	ND		4.8	1.6	ug/L		09/26/17 08:36	09/29/17 16:06	1
Di-n-octyl phthalate	ND		1.9	0.22	ug/L		09/26/17 08:36	09/29/17 16:06	1
Fluoranthene	ND		0.19	0.042	ug/L		09/26/17 08:36	09/29/17 16:06	1
Fluorene	ND		0.19	0.039	ug/L		09/26/17 08:36	09/29/17 16:06	1
Hexachlorobenzene	ND		0.19	0.081	ug/L		09/26/17 08:36	09/29/17 16:06	1
Hexachlorobutadiene	ND		0.95	0.26	ug/L		09/26/17 08:36	09/29/17 16:06	1
Hexachlorocyclopentadiene	ND		9.5	0.23	ug/L		09/26/17 08:36	09/29/17 16:06	1
Hexachloroethane	ND		0.95	0.18	ug/L		09/26/17 08:36	09/29/17 16:06	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		09/26/17 08:36	09/29/17 16:06	1
Isophorone	ND		0.95	0.26	ug/L		09/26/17 08:36	09/29/17 16:06	1
2-Methylphenol	ND		0.95	0.16	ug/L		09/26/17 08:36	09/29/17 16:06	1
Naphthalene	ND		0.19	0.060	ug/L		09/26/17 08:36	09/29/17 16:06	1
2-Nitroaniline	ND		1.9	0.20	ug/L		09/26/17 08:36	09/29/17 16:06	1
3-Nitroaniline	ND		1.9	0.27	ug/L		09/26/17 08:36	09/29/17 16:06	1
4-Nitroaniline	ND		1.9	0.21	ug/L		09/26/17 08:36	09/29/17 16:06	1
Nitrobenzene	ND		0.95	0.038	ug/L		09/26/17 08:36	09/29/17 16:06	1
2-Nitrophenol	ND		1.9	0.27	ug/L		09/26/17 08:36	09/29/17 16:06	1
4-Nitrophenol	ND		4.8	0.28	ug/L		09/26/17 08:36	09/29/17 16:06	1
N-Nitrosodiphenylamine	ND		0.95	0.30	ug/L		09/26/17 08:36	09/29/17 16:06	1
N-Nitrosodi-n-propylamine	ND		0.95	0.23	ug/L		09/26/17 08:36	09/29/17 16:06	1
2,2'-oxybis[1-chloropropane]	ND		0.95	0.38	ug/L		09/26/17 08:36	09/29/17 16:06	1
Pentachlorophenol	ND		4.8	0.26	ug/L		09/26/17 08:36	09/29/17 16:06	1
Phenanthrene	ND		0.19	0.059	ug/L		09/26/17 08:36	09/29/17 16:06	1
Phenol	ND		0.95	0.57	ug/L		09/26/17 08:36	09/29/17 16:06	1
Pyrene	ND		0.19	0.040	ug/L		09/26/17 08:36	09/29/17 16:06	1
2,4,5-Trichlorophenol	ND		4.8	0.29	ug/L		09/26/17 08:36	09/29/17 16:06	1
2,4,6-Trichlorophenol	ND		4.8	0.23	ug/L		09/26/17 08:36	09/29/17 16:06	1
2,6-Dinitrotoluene	ND		4.8	0.76	ug/L		09/26/17 08:36	09/29/17 16:06	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-19-(20170919)

Lab Sample ID: 240-85395-5

Date Collected: 09/19/17 16:05

Matrix: Water

Date Received: 09/22/17 09:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	70		38 - 120	09/26/17 08:36	09/29/17 16:06	1
2-Fluorophenol (Surr)	34		10 - 120	09/26/17 08:36	09/29/17 16:06	1
2,4,6-Tribromophenol (Surr)	40		28 - 120	09/26/17 08:36	09/29/17 16:06	1
Nitrobenzene-d5 (Surr)	61		32 - 120	09/26/17 08:36	09/29/17 16:06	1
Phenol-d5 (Surr)	21		10 - 120	09/26/17 08:36	09/29/17 16:06	1
Terphenyl-d14 (Surr)	98		23 - 127	09/26/17 08:36	09/29/17 16:06	1

Method: WI-GRO - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
WI Gasoline Range Organics (C6-C10)	ND		100	20	ug/L	-		10/02/17 23:10	1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.19	0.048	ug/L	-	09/26/17 14:40	09/28/17 17:11	1
Aroclor-1221	ND		0.19	0.086	ug/L	-	09/26/17 14:40	09/28/17 17:11	1
Aroclor-1232	ND		0.19	0.067	ug/L	-	09/26/17 14:40	09/28/17 17:11	1
Aroclor-1242	ND		0.19	0.057	ug/L	-	09/26/17 14:40	09/28/17 17:11	1
Aroclor-1248	ND		0.19	0.048	ug/L	-	09/26/17 14:40	09/28/17 17:11	1
Aroclor-1254	ND		0.19	0.029	ug/L	-	09/26/17 14:40	09/28/17 17:11	1
Aroclor-1260	ND		0.19	0.038	ug/L	-	09/26/17 14:40	09/28/17 17:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	52		10 - 120	09/26/17 14:40	09/28/17 17:11	1
Tetrachloro-m-xylene	51		21 - 120	09/26/17 14:40	09/28/17 17:11	1

Method: WI-DRO - Wisconsin - Diesel Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
WI Diesel Range Organics (C10-C28)	0.052	J B	0.096	0.019	mg/L	-	09/26/17 14:46	09/27/17 18:46	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	130	J	200	2.4	ug/L	-	09/25/17 14:00	09/26/17 20:18	1
Aluminum	ND		200	40	ug/L	-	09/25/17 14:00	09/26/17 20:18	1
Cadmium	ND		5.0	0.29	ug/L	-	09/25/17 14:00	09/26/17 20:18	1
Chromium	5.0	J	10	0.55	ug/L	-	09/25/17 14:00	09/26/17 20:18	1
Silver	ND		10	0.92	ug/L	-	09/25/17 14:00	09/26/17 20:18	1
Arsenic	ND		10	3.3	ug/L	-	09/25/17 14:00	09/26/17 20:18	1
Beryllium	ND		5.0	0.21	ug/L	-	09/25/17 14:00	09/26/17 20:18	1
Lead	ND		3.0	1.9	ug/L	-	09/25/17 14:00	09/26/17 20:18	1
Calcium	140000		5000	710	ug/L	-	09/25/17 14:00	09/26/17 20:18	1
Cobalt	ND		7.0	0.84	ug/L	-	09/25/17 14:00	09/26/17 20:18	1
Copper	ND		25	3.9	ug/L	-	09/25/17 14:00	09/26/17 20:18	1
Iron	28	J	100	25	ug/L	-	09/25/17 14:00	09/26/17 20:18	1
Potassium	3200	J	5000	70	ug/L	-	09/25/17 14:00	09/26/17 20:18	1
Magnesium	41000		5000	230	ug/L	-	09/25/17 14:00	09/26/17 20:18	1
Manganese	140		15	5.1	ug/L	-	09/25/17 14:00	09/26/17 20:18	1
Sodium	36000		5000	330	ug/L	-	09/25/17 14:00	09/26/17 20:18	1
Nickel	2.7	J	40	1.6	ug/L	-	09/25/17 14:00	09/26/17 20:18	1
Antimony	ND		10	3.1	ug/L	-	09/25/17 14:00	09/26/17 20:18	1
Vanadium	ND		10	4.4	ug/L	-	09/25/17 14:00	09/26/17 20:18	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-19-(20170919)

Lab Sample ID: 240-85395-5

Date Collected: 09/19/17 16:05

Matrix: Water

Date Received: 09/22/17 09:00

Method: 6010B - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		50	16	ug/L	-	09/25/17 14:00	09/26/17 20:18	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		1.0	0.20	ug/L	-	09/25/17 14:00	09/26/17 15:19	1
Selenium	ND		5.0	0.89	ug/L	-	09/25/17 14:00	09/26/17 15:19	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L	-	09/25/17 14:00	09/26/17 11:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0070	mg/L	-	09/27/17 13:01	09/28/17 16:26	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: TRIP BLANK3

Lab Sample ID: 240-85395-6

Date Collected: 09/19/17 00:00

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.46	ug/L			10/01/17 23:22	1
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			10/01/17 23:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.32	ug/L			10/01/17 23:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			10/01/17 23:22	1
1,1,2-Trichloroethane	ND		1.0	0.34	ug/L			10/01/17 23:22	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			10/01/17 23:22	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			10/01/17 23:22	1
1,1-Dichloropropene	ND		1.0	0.28	ug/L			10/01/17 23:22	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/01/17 23:22	1
1,2,3-Trichloropropane	ND		1.0	0.54	ug/L			10/01/17 23:22	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			10/01/17 23:22	1
1,2,4-Trimethylbenzene	ND		1.0	0.24	ug/L			10/01/17 23:22	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.47	ug/L			10/01/17 23:22	1
1,2-Dichlorobenzene	ND		1.0	0.26	ug/L			10/01/17 23:22	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/01/17 23:22	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/01/17 23:22	1
1,3,5-Trimethylbenzene	ND		1.0	0.24	ug/L			10/01/17 23:22	1
1,3-Dichlorobenzene	ND		1.0	0.32	ug/L			10/01/17 23:22	1
1,3-Dichloropropane	ND		1.0	0.29	ug/L			10/01/17 23:22	1
1,4-Dichlorobenzene	ND		1.0	0.23	ug/L			10/01/17 23:22	1
Allyl chloride	ND		2.0	0.38	ug/L			10/01/17 23:22	1
2,2-Dichloropropane	ND		1.0	0.34	ug/L			10/01/17 23:22	1
2-Chlorotoluene	ND		1.0	0.28	ug/L			10/01/17 23:22	1
2-Hexanone	ND		10	1.2	ug/L			10/01/17 23:22	1
Bromobenzene	ND		1.0	0.31	ug/L			10/01/17 23:22	1
Bromochloromethane	ND		1.0	0.47	ug/L			10/01/17 23:22	1
4-Chlorotoluene	ND		1.0	0.23	ug/L			10/01/17 23:22	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/01/17 23:22	1
Acetone	ND		10	1.8	ug/L			10/01/17 23:22	1
Benzene	ND		1.0	0.28	ug/L			10/01/17 23:22	1
Bromoform	ND		1.0	0.43	ug/L			10/01/17 23:22	1
Bromomethane	ND		1.0	0.42	ug/L			10/01/17 23:22	1
Carbon disulfide	ND		1.0	0.34	ug/L			10/01/17 23:22	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			10/01/17 23:22	1
Chlorobenzene	ND		1.0	0.32	ug/L			10/01/17 23:22	1
Chloroethane	ND		1.0	0.41	ug/L			10/01/17 23:22	1
Chloroform	ND		1.0	0.31	ug/L			10/01/17 23:22	1
Chloromethane	ND		1.0	0.43	ug/L			10/01/17 23:22	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/01/17 23:22	1
cis-1,3-Dichloropropene	ND		1.0	0.26	ug/L			10/01/17 23:22	1
Cyclohexane	ND		1.0	0.44	ug/L			10/01/17 23:22	1
Hexachlorobutadiene	ND		1.0	0.36	ug/L			10/01/17 23:22	1
Dibromomethane	ND		1.0	0.46	ug/L			10/01/17 23:22	1
Bromodichloromethane	ND		1.0	0.30	ug/L			10/01/17 23:22	1
Dichlorodifluoromethane	ND		1.0	0.50	ug/L			10/01/17 23:22	1
Dichlorofluoromethane	ND		2.0	0.43	ug/L			10/01/17 23:22	1
Ethyl ether	ND *		2.0	0.35	ug/L			10/01/17 23:22	1
Ethylbenzene	ND		1.0	0.26	ug/L			10/01/17 23:22	1
1,2-Dibromoethane	ND		1.0	0.23	ug/L			10/01/17 23:22	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: TRIP BLANK3

Lab Sample ID: 240-85395-6

Date Collected: 09/19/17 00:00

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.25	ug/L			10/01/17 23:22	1
m-Xylene & p-Xylene	ND		2.0	0.24	ug/L			10/01/17 23:22	1
n-Butylbenzene	ND		1.0	0.21	ug/L			10/01/17 23:22	1
Isopropylbenzene	ND		1.0	0.21	ug/L			10/01/17 23:22	1
Methyl acetate	ND		10	1.4	ug/L			10/01/17 23:22	1
N-Propylbenzene	ND		1.0	0.45	ug/L			10/01/17 23:22	1
2-Butanone (MEK)	ND		10	1.0	ug/L			10/01/17 23:22	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.71	ug/L			10/01/17 23:22	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/01/17 23:22	1
Methyl tert butyl ether	ND		1.0	0.27	ug/L			10/01/17 23:22	1
Methylene Chloride	ND		1.0	0.53	ug/L			10/01/17 23:22	1
o-Xylene	ND		1.0	0.28	ug/L			10/01/17 23:22	1
Styrene	ND		1.0	0.23	ug/L			10/01/17 23:22	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/01/17 23:22	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/01/17 23:22	1
Tetrahydrofuran	ND		5.0	0.84	ug/L			10/01/17 23:22	1
Toluene	ND		1.0	0.23	ug/L			10/01/17 23:22	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			10/01/17 23:22	1
trans-1,3-Dichloropropene	ND		1.0	0.31	ug/L			10/01/17 23:22	1
Trichloroethene	ND		1.0	0.33	ug/L			10/01/17 23:22	1
Trichlorofluoromethane	ND		1.0	0.50	ug/L			10/01/17 23:22	1
Vinyl chloride	ND		1.0	0.45	ug/L			10/01/17 23:22	1
Methylcyclohexane	ND		1.0	0.45	ug/L			10/01/17 23:22	1
Chlorodibromomethane	ND		1.0	0.25	ug/L			10/01/17 23:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		61 - 138		10/01/17 23:22	1
4-Bromofluorobenzene (Surr)	99		69 - 120		10/01/17 23:22	1
Toluene-d8 (Surr)	105		73 - 120		10/01/17 23:22	1
Dibromofluoromethane (Surr)	99		69 - 124		10/01/17 23:22	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-20-(20170920)

Lab Sample ID: 240-85395-7

Date Collected: 09/20/17 09:33

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.46	ug/L			10/01/17 23:44	1
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			10/01/17 23:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.32	ug/L			10/01/17 23:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			10/01/17 23:44	1
1,1,2-Trichloroethane	ND		1.0	0.34	ug/L			10/01/17 23:44	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			10/01/17 23:44	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			10/01/17 23:44	1
1,1-Dichloropropene	ND		1.0	0.28	ug/L			10/01/17 23:44	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/01/17 23:44	1
1,2,3-Trichloropropane	ND		1.0	0.54	ug/L			10/01/17 23:44	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			10/01/17 23:44	1
1,2,4-Trimethylbenzene	ND		1.0	0.24	ug/L			10/01/17 23:44	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.47	ug/L			10/01/17 23:44	1
1,2-Dichlorobenzene	ND		1.0	0.26	ug/L			10/01/17 23:44	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/01/17 23:44	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/01/17 23:44	1
1,3,5-Trimethylbenzene	ND		1.0	0.24	ug/L			10/01/17 23:44	1
1,3-Dichlorobenzene	ND		1.0	0.32	ug/L			10/01/17 23:44	1
1,3-Dichloropropane	ND		1.0	0.29	ug/L			10/01/17 23:44	1
1,4-Dichlorobenzene	ND		1.0	0.23	ug/L			10/01/17 23:44	1
Allyl chloride	ND		2.0	0.38	ug/L			10/01/17 23:44	1
2,2-Dichloropropane	ND		1.0	0.34	ug/L			10/01/17 23:44	1
2-Chlorotoluene	ND		1.0	0.28	ug/L			10/01/17 23:44	1
2-Hexanone	ND		10	1.2	ug/L			10/01/17 23:44	1
Bromobenzene	ND		1.0	0.31	ug/L			10/01/17 23:44	1
Bromochloromethane	ND		1.0	0.47	ug/L			10/01/17 23:44	1
4-Chlorotoluene	ND		1.0	0.23	ug/L			10/01/17 23:44	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/01/17 23:44	1
Acetone	2.7	J	10	1.8	ug/L			10/01/17 23:44	1
Benzene	ND		1.0	0.28	ug/L			10/01/17 23:44	1
Bromoform	ND		1.0	0.43	ug/L			10/01/17 23:44	1
Bromomethane	ND		1.0	0.42	ug/L			10/01/17 23:44	1
Carbon disulfide	ND		1.0	0.34	ug/L			10/01/17 23:44	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			10/01/17 23:44	1
Chlorobenzene	ND		1.0	0.32	ug/L			10/01/17 23:44	1
Chloroethane	ND		1.0	0.41	ug/L			10/01/17 23:44	1
Chloroform	ND		1.0	0.31	ug/L			10/01/17 23:44	1
Chloromethane	ND		1.0	0.43	ug/L			10/01/17 23:44	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/01/17 23:44	1
cis-1,3-Dichloropropene	ND		1.0	0.26	ug/L			10/01/17 23:44	1
Cyclohexane	ND		1.0	0.44	ug/L			10/01/17 23:44	1
Hexachlorobutadiene	ND		1.0	0.36	ug/L			10/01/17 23:44	1
Dibromomethane	ND		1.0	0.46	ug/L			10/01/17 23:44	1
Bromodichloromethane	ND		1.0	0.30	ug/L			10/01/17 23:44	1
Dichlorodifluoromethane	ND		1.0	0.50	ug/L			10/01/17 23:44	1
Dichlorofluoromethane	ND		2.0	0.43	ug/L			10/01/17 23:44	1
Ethyl ether	ND	*	2.0	0.35	ug/L			10/01/17 23:44	1
Ethylbenzene	ND		1.0	0.26	ug/L			10/01/17 23:44	1
1,2-Dibromoethane	ND		1.0	0.23	ug/L			10/01/17 23:44	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-20-(20170920)

Lab Sample ID: 240-85395-7

Date Collected: 09/20/17 09:33

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.25	ug/L			10/01/17 23:44	1
m-Xylene & p-Xylene	ND		2.0	0.24	ug/L			10/01/17 23:44	1
n-Butylbenzene	ND		1.0	0.21	ug/L			10/01/17 23:44	1
Isopropylbenzene	ND		1.0	0.21	ug/L			10/01/17 23:44	1
Methyl acetate	ND		10	1.4	ug/L			10/01/17 23:44	1
N-Propylbenzene	ND		1.0	0.45	ug/L			10/01/17 23:44	1
2-Butanone (MEK)	ND		10	1.0	ug/L			10/01/17 23:44	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.71	ug/L			10/01/17 23:44	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/01/17 23:44	1
Methyl tert butyl ether	ND		1.0	0.27	ug/L			10/01/17 23:44	1
Methylene Chloride	ND		1.0	0.53	ug/L			10/01/17 23:44	1
o-Xylene	ND		1.0	0.28	ug/L			10/01/17 23:44	1
Styrene	ND		1.0	0.23	ug/L			10/01/17 23:44	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/01/17 23:44	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/01/17 23:44	1
Tetrahydrofuran	ND		5.0	0.84	ug/L			10/01/17 23:44	1
Toluene	ND		1.0	0.23	ug/L			10/01/17 23:44	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			10/01/17 23:44	1
trans-1,3-Dichloropropene	ND		1.0	0.31	ug/L			10/01/17 23:44	1
Trichloroethene	ND		1.0	0.33	ug/L			10/01/17 23:44	1
Trichlorofluoromethane	ND		1.0	0.50	ug/L			10/01/17 23:44	1
Vinyl chloride	ND		1.0	0.45	ug/L			10/01/17 23:44	1
Methylcyclohexane	ND		1.0	0.45	ug/L			10/01/17 23:44	1
Chlorodibromomethane	ND		1.0	0.25	ug/L			10/01/17 23:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		61 - 138		10/01/17 23:44	1
4-Bromofluorobenzene (Surr)	114		69 - 120		10/01/17 23:44	1
Toluene-d8 (Surr)	103		73 - 120		10/01/17 23:44	1
Dibromofluoromethane (Surr)	115		69 - 124		10/01/17 23:44	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.042	ug/L		09/27/17 09:28	09/29/17 13:40	1
Acenaphthylene	ND		0.19	0.046	ug/L		09/27/17 09:28	09/29/17 13:40	1
Acetophenone	ND		0.95	0.32	ug/L		09/27/17 09:28	09/29/17 13:40	1
Anthracene	ND		0.19	0.084	ug/L		09/27/17 09:28	09/29/17 13:40	1
Atrazine	ND		1.9	0.32	ug/L		09/27/17 09:28	09/29/17 13:40	1
Benzaldehyde	ND		1.9	0.37	ug/L		09/27/17 09:28	09/29/17 13:40	1
Benzo[a]anthracene	ND		0.19	0.028	ug/L		09/27/17 09:28	09/29/17 13:40	1
Benzo[b]fluoranthene	ND		0.19	0.038	ug/L		09/27/17 09:28	09/29/17 13:40	1
Benzo[k]fluoranthene	ND		0.19	0.043	ug/L		09/27/17 09:28	09/29/17 13:40	1
Benzo[g,h,i]perylene	ND		0.19	0.044	ug/L		09/27/17 09:28	09/29/17 13:40	1
Benzo[a]pyrene	ND		0.19	0.049	ug/L		09/27/17 09:28	09/29/17 13:40	1
Butyl benzyl phthalate	ND		1.9	0.25	ug/L		09/27/17 09:28	09/29/17 13:40	1
1,1'-Biphenyl	ND		0.95	0.12	ug/L		09/27/17 09:28	09/29/17 13:40	1
Bis(2-chloroethoxy)methane	ND		0.95	0.30	ug/L		09/27/17 09:28	09/29/17 13:40	1
Bis(2-chloroethyl)ether	ND		0.95	0.095	ug/L		09/27/17 09:28	09/29/17 13:40	1
Bis(2-ethylhexyl) phthalate	ND		4.8	1.6	ug/L		09/27/17 09:28	09/29/17 13:40	1
4-Bromophenyl phenyl ether	ND		1.9	0.21	ug/L		09/27/17 09:28	09/29/17 13:40	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-20-(20170920)

Lab Sample ID: 240-85395-7

Date Collected: 09/20/17 09:33

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Caprolactam	ND		4.8	0.19	ug/L		09/27/17 09:28	09/29/17 13:40	1
Carbazole	ND		0.95	0.27	ug/L		09/27/17 09:28	09/29/17 13:40	1
4-Chloroaniline	ND		1.9	0.20	ug/L		09/27/17 09:28	09/29/17 13:40	1
4-Chloro-3-methylphenol	ND		1.9	0.20	ug/L		09/27/17 09:28	09/29/17 13:40	1
2-Chloronaphthalene	ND		0.95	0.095	ug/L		09/27/17 09:28	09/29/17 13:40	1
2-Chlorophenol	ND		0.95	0.28	ug/L		09/27/17 09:28	09/29/17 13:40	1
4-Chlorophenyl phenyl ether	ND		1.9	0.29	ug/L		09/27/17 09:28	09/29/17 13:40	1
Chrysene	ND		0.19	0.048	ug/L		09/27/17 09:28	09/29/17 13:40	1
2-Methylnaphthalene	ND		0.19	0.086	ug/L		09/27/17 09:28	09/29/17 13:40	1
3 & 4 Methylphenol	ND		1.9	0.76	ug/L		09/27/17 09:28	09/29/17 13:40	1
Dibenz(a,h)anthracene	ND		0.19	0.042	ug/L		09/27/17 09:28	09/29/17 13:40	1
Dibenzofuran	ND		0.95	0.019	ug/L		09/27/17 09:28	09/29/17 13:40	1
3,3'-Dichlorobenzidine	ND		4.8	0.35	ug/L		09/27/17 09:28	09/29/17 13:40	1
2,4-Dichlorophenol	ND		1.9	0.18	ug/L		09/27/17 09:28	09/29/17 13:40	1
Diethyl phthalate	0.62	J B	1.9	0.57	ug/L		09/27/17 09:28	09/29/17 13:40	1
2,4-Dimethylphenol	ND		1.9	0.24	ug/L		09/27/17 09:28	09/29/17 13:40	1
Dimethyl phthalate	ND		1.9	0.28	ug/L		09/27/17 09:28	09/29/17 13:40	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.3	ug/L		09/27/17 09:28	09/29/17 13:40	1
2,4-Dinitrophenol	ND		4.8	0.30	ug/L		09/27/17 09:28	09/29/17 13:40	1
2,4-Dinitrotoluene	ND		4.8	0.24	ug/L		09/27/17 09:28	09/29/17 13:40	1
Di-n-butyl phthalate	ND		4.8	1.6	ug/L		09/27/17 09:28	09/29/17 13:40	1
Di-n-octyl phthalate	ND		1.9	0.22	ug/L		09/27/17 09:28	09/29/17 13:40	1
Fluoranthene	ND		0.19	0.042	ug/L		09/27/17 09:28	09/29/17 13:40	1
Fluorene	ND		0.19	0.039	ug/L		09/27/17 09:28	09/29/17 13:40	1
Hexachlorobenzene	ND		0.19	0.081	ug/L		09/27/17 09:28	09/29/17 13:40	1
Hexachlorobutadiene	ND		0.95	0.26	ug/L		09/27/17 09:28	09/29/17 13:40	1
Hexachlorocyclopentadiene	ND		9.5	0.23	ug/L		09/27/17 09:28	09/29/17 13:40	1
Hexachloroethane	ND		0.95	0.18	ug/L		09/27/17 09:28	09/29/17 13:40	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		09/27/17 09:28	09/29/17 13:40	1
Isophorone	ND		0.95	0.26	ug/L		09/27/17 09:28	09/29/17 13:40	1
2-Methylphenol	ND		0.95	0.16	ug/L		09/27/17 09:28	09/29/17 13:40	1
Naphthalene	ND		0.19	0.060	ug/L		09/27/17 09:28	09/29/17 13:40	1
2-Nitroaniline	ND *		1.9	0.20	ug/L		09/27/17 09:28	09/29/17 13:40	1
3-Nitroaniline	ND		1.9	0.27	ug/L		09/27/17 09:28	09/29/17 13:40	1
4-Nitroaniline	ND		1.9	0.21	ug/L		09/27/17 09:28	09/29/17 13:40	1
Nitrobenzene	ND		0.95	0.038	ug/L		09/27/17 09:28	09/29/17 13:40	1
2-Nitrophenol	ND		1.9	0.27	ug/L		09/27/17 09:28	09/29/17 13:40	1
4-Nitrophenol	ND		4.8	0.28	ug/L		09/27/17 09:28	09/29/17 13:40	1
N-Nitrosodiphenylamine	ND		0.95	0.30	ug/L		09/27/17 09:28	09/29/17 13:40	1
N-Nitrosodi-n-propylamine	ND		0.95	0.23	ug/L		09/27/17 09:28	09/29/17 13:40	1
2,2'-oxybis[1-chloropropane]	ND		0.95	0.38	ug/L		09/27/17 09:28	09/29/17 13:40	1
Pentachlorophenol	ND		4.8	0.26	ug/L		09/27/17 09:28	09/29/17 13:40	1
Phenanthrene	ND		0.19	0.059	ug/L		09/27/17 09:28	09/29/17 13:40	1
Phenol	ND		0.95	0.57	ug/L		09/27/17 09:28	09/29/17 13:40	1
Pyrene	ND		0.19	0.040	ug/L		09/27/17 09:28	09/29/17 13:40	1
2,4,5-Trichlorophenol	ND		4.8	0.29	ug/L		09/27/17 09:28	09/29/17 13:40	1
2,4,6-Trichlorophenol	ND		4.8	0.23	ug/L		09/27/17 09:28	09/29/17 13:40	1
2,6-Dinitrotoluene	ND		4.8	0.76	ug/L		09/27/17 09:28	09/29/17 13:40	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-20-(20170920)

Lab Sample ID: 240-85395-7

Date Collected: 09/20/17 09:33

Matrix: Water

Date Received: 09/22/17 09:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	80		38 - 120	09/27/17 09:28	09/29/17 13:40	1
2-Fluorophenol (Surr)	38		10 - 120	09/27/17 09:28	09/29/17 13:40	1
2,4,6-Tribromophenol (Surr)	62		28 - 120	09/27/17 09:28	09/29/17 13:40	1
Nitrobenzene-d5 (Surr)	65		32 - 120	09/27/17 09:28	09/29/17 13:40	1
Phenol-d5 (Surr)	24		10 - 120	09/27/17 09:28	09/29/17 13:40	1
Terphenyl-d14 (Surr)	91		23 - 127	09/27/17 09:28	09/29/17 13:40	1

Method: WI-GRO - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
WI Gasoline Range Organics (C6-C10)	ND		100	20	ug/L	-		10/02/17 23:50	1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.19	0.048	ug/L	-	09/27/17 13:47	09/29/17 10:46	1
Aroclor-1221	ND		0.19	0.087	ug/L	-	09/27/17 13:47	09/29/17 10:46	1
Aroclor-1232	ND		0.19	0.067	ug/L	-	09/27/17 13:47	09/29/17 10:46	1
Aroclor-1242	ND		0.19	0.058	ug/L	-	09/27/17 13:47	09/29/17 10:46	1
Aroclor-1248	ND		0.19	0.048	ug/L	-	09/27/17 13:47	09/29/17 10:46	1
Aroclor-1254	ND		0.19	0.029	ug/L	-	09/27/17 13:47	09/29/17 10:46	1
Aroclor-1260	ND		0.19	0.038	ug/L	-	09/27/17 13:47	09/29/17 10:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	48		10 - 120	09/27/17 13:47	09/29/17 10:46	1
Tetrachloro-m-xylene	54		21 - 120	09/27/17 13:47	09/29/17 10:46	1

Method: WI-DRO - Wisconsin - Diesel Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
WI Diesel Range Organics (C10-C28)	0.060	J B	0.096	0.019	mg/L	-	09/26/17 14:46	09/27/17 19:13	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	160	J	200	2.4	ug/L	-	09/25/17 14:00	09/26/17 20:23	1
Aluminum	ND		200	40	ug/L	-	09/25/17 14:00	09/26/17 20:23	1
Cadmium	ND		5.0	0.29	ug/L	-	09/25/17 14:00	09/26/17 20:23	1
Chromium	0.78	J	10	0.55	ug/L	-	09/25/17 14:00	09/26/17 20:23	1
Silver	ND		10	0.92	ug/L	-	09/25/17 14:00	09/26/17 20:23	1
Arsenic	ND		10	3.3	ug/L	-	09/25/17 14:00	09/26/17 20:23	1
Beryllium	ND		5.0	0.21	ug/L	-	09/25/17 14:00	09/26/17 20:23	1
Lead	ND		3.0	1.9	ug/L	-	09/25/17 14:00	09/26/17 20:23	1
Calcium	170000		5000	710	ug/L	-	09/25/17 14:00	09/26/17 20:23	1
Cobalt	1.4	J	7.0	0.84	ug/L	-	09/25/17 14:00	09/26/17 20:23	1
Copper	ND		25	3.9	ug/L	-	09/25/17 14:00	09/26/17 20:23	1
Iron	240		100	25	ug/L	-	09/25/17 14:00	09/26/17 20:23	1
Potassium	3000	J	5000	70	ug/L	-	09/25/17 14:00	09/26/17 20:23	1
Magnesium	49000		5000	230	ug/L	-	09/25/17 14:00	09/26/17 20:23	1
Manganese	790		15	5.1	ug/L	-	09/25/17 14:00	09/26/17 20:23	1
Sodium	54000		5000	330	ug/L	-	09/25/17 14:00	09/26/17 20:23	1
Nickel	3.4	J	40	1.6	ug/L	-	09/25/17 14:00	09/26/17 20:23	1
Antimony	ND		10	3.1	ug/L	-	09/25/17 14:00	09/26/17 20:23	1
Vanadium	ND		10	4.4	ug/L	-	09/25/17 14:00	09/26/17 20:23	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-20-(20170920)

Lab Sample ID: 240-85395-7

Date Collected: 09/20/17 09:33

Matrix: Water

Date Received: 09/22/17 09:00

Method: 6010B - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		50	16	ug/L	-	09/25/17 14:00	09/26/17 20:23	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		1.0	0.20	ug/L	-	09/25/17 14:00	09/26/17 15:23	1
Selenium	ND		5.0	0.89	ug/L	-	09/25/17 14:00	09/26/17 15:23	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L	-	09/25/17 14:00	09/26/17 11:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0070	mg/L	-	09/27/17 13:01	09/28/17 16:28	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: TRIP BLANK4

Lab Sample ID: 240-85395-8

Date Collected: 09/20/17 00:00

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.46	ug/L			10/02/17 00:06	1
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			10/02/17 00:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.32	ug/L			10/02/17 00:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			10/02/17 00:06	1
1,1,2-Trichloroethane	ND		1.0	0.34	ug/L			10/02/17 00:06	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			10/02/17 00:06	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			10/02/17 00:06	1
1,1-Dichloropropene	ND		1.0	0.28	ug/L			10/02/17 00:06	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/02/17 00:06	1
1,2,3-Trichloropropane	ND		1.0	0.54	ug/L			10/02/17 00:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			10/02/17 00:06	1
1,2,4-Trimethylbenzene	ND		1.0	0.24	ug/L			10/02/17 00:06	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.47	ug/L			10/02/17 00:06	1
1,2-Dichlorobenzene	ND		1.0	0.26	ug/L			10/02/17 00:06	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/02/17 00:06	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/02/17 00:06	1
1,3,5-Trimethylbenzene	ND		1.0	0.24	ug/L			10/02/17 00:06	1
1,3-Dichlorobenzene	ND		1.0	0.32	ug/L			10/02/17 00:06	1
1,3-Dichloropropane	ND		1.0	0.29	ug/L			10/02/17 00:06	1
1,4-Dichlorobenzene	ND		1.0	0.23	ug/L			10/02/17 00:06	1
Allyl chloride	ND		2.0	0.38	ug/L			10/02/17 00:06	1
2,2-Dichloropropane	ND		1.0	0.34	ug/L			10/02/17 00:06	1
2-Chlorotoluene	ND		1.0	0.28	ug/L			10/02/17 00:06	1
2-Hexanone	ND		10	1.2	ug/L			10/02/17 00:06	1
Bromobenzene	ND		1.0	0.31	ug/L			10/02/17 00:06	1
Bromochloromethane	ND		1.0	0.47	ug/L			10/02/17 00:06	1
4-Chlorotoluene	ND		1.0	0.23	ug/L			10/02/17 00:06	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/02/17 00:06	1
Acetone	ND		10	1.8	ug/L			10/02/17 00:06	1
Benzene	ND		1.0	0.28	ug/L			10/02/17 00:06	1
Bromoform	ND		1.0	0.43	ug/L			10/02/17 00:06	1
Bromomethane	ND		1.0	0.42	ug/L			10/02/17 00:06	1
Carbon disulfide	ND		1.0	0.34	ug/L			10/02/17 00:06	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			10/02/17 00:06	1
Chlorobenzene	ND		1.0	0.32	ug/L			10/02/17 00:06	1
Chloroethane	ND		1.0	0.41	ug/L			10/02/17 00:06	1
Chloroform	ND		1.0	0.31	ug/L			10/02/17 00:06	1
Chloromethane	ND		1.0	0.43	ug/L			10/02/17 00:06	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/02/17 00:06	1
cis-1,3-Dichloropropene	ND		1.0	0.26	ug/L			10/02/17 00:06	1
Cyclohexane	ND		1.0	0.44	ug/L			10/02/17 00:06	1
Hexachlorobutadiene	ND		1.0	0.36	ug/L			10/02/17 00:06	1
Dibromomethane	ND		1.0	0.46	ug/L			10/02/17 00:06	1
Bromodichloromethane	ND		1.0	0.30	ug/L			10/02/17 00:06	1
Dichlorodifluoromethane	ND		1.0	0.50	ug/L			10/02/17 00:06	1
Dichlorofluoromethane	ND		2.0	0.43	ug/L			10/02/17 00:06	1
Ethyl ether	ND *		2.0	0.35	ug/L			10/02/17 00:06	1
Ethylbenzene	ND		1.0	0.26	ug/L			10/02/17 00:06	1
1,2-Dibromoethane	ND		1.0	0.23	ug/L			10/02/17 00:06	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: TRIP BLANK4

Lab Sample ID: 240-85395-8

Date Collected: 09/20/17 00:00

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.25	ug/L			10/02/17 00:06	1
m-Xylene & p-Xylene	ND		2.0	0.24	ug/L			10/02/17 00:06	1
n-Butylbenzene	ND		1.0	0.21	ug/L			10/02/17 00:06	1
Isopropylbenzene	ND		1.0	0.21	ug/L			10/02/17 00:06	1
Methyl acetate	ND		10	1.4	ug/L			10/02/17 00:06	1
N-Propylbenzene	ND		1.0	0.45	ug/L			10/02/17 00:06	1
2-Butanone (MEK)	ND		10	1.0	ug/L			10/02/17 00:06	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.71	ug/L			10/02/17 00:06	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/02/17 00:06	1
Methyl tert butyl ether	ND		1.0	0.27	ug/L			10/02/17 00:06	1
Methylene Chloride	ND		1.0	0.53	ug/L			10/02/17 00:06	1
o-Xylene	ND		1.0	0.28	ug/L			10/02/17 00:06	1
Styrene	ND		1.0	0.23	ug/L			10/02/17 00:06	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/02/17 00:06	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/02/17 00:06	1
Tetrahydrofuran	ND		5.0	0.84	ug/L			10/02/17 00:06	1
Toluene	ND		1.0	0.23	ug/L			10/02/17 00:06	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			10/02/17 00:06	1
trans-1,3-Dichloropropene	ND		1.0	0.31	ug/L			10/02/17 00:06	1
Trichloroethene	ND		1.0	0.33	ug/L			10/02/17 00:06	1
Trichlorofluoromethane	ND		1.0	0.50	ug/L			10/02/17 00:06	1
Vinyl chloride	ND		1.0	0.45	ug/L			10/02/17 00:06	1
Methylcyclohexane	ND		1.0	0.45	ug/L			10/02/17 00:06	1
Chlorodibromomethane	ND		1.0	0.25	ug/L			10/02/17 00:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		61 - 138		10/02/17 00:06	1
4-Bromofluorobenzene (Surr)	121	X	69 - 120		10/02/17 00:06	1
Toluene-d8 (Surr)	102		73 - 120		10/02/17 00:06	1
Dibromofluoromethane (Surr)	119		69 - 124		10/02/17 00:06	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: DUP-02-(20170920)

Lab Sample ID: 240-85395-9

Date Collected: 09/20/17 00:00

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.46	ug/L			10/02/17 00:28	1
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			10/02/17 00:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.32	ug/L			10/02/17 00:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			10/02/17 00:28	1
1,1,2-Trichloroethane	ND		1.0	0.34	ug/L			10/02/17 00:28	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			10/02/17 00:28	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			10/02/17 00:28	1
1,1-Dichloropropene	ND		1.0	0.28	ug/L			10/02/17 00:28	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/02/17 00:28	1
1,2,3-Trichloropropane	ND		1.0	0.54	ug/L			10/02/17 00:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			10/02/17 00:28	1
1,2,4-Trimethylbenzene	ND		1.0	0.24	ug/L			10/02/17 00:28	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.47	ug/L			10/02/17 00:28	1
1,2-Dichlorobenzene	ND		1.0	0.26	ug/L			10/02/17 00:28	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/02/17 00:28	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/02/17 00:28	1
1,3,5-Trimethylbenzene	ND		1.0	0.24	ug/L			10/02/17 00:28	1
1,3-Dichlorobenzene	ND		1.0	0.32	ug/L			10/02/17 00:28	1
1,3-Dichloropropane	ND		1.0	0.29	ug/L			10/02/17 00:28	1
1,4-Dichlorobenzene	ND		1.0	0.23	ug/L			10/02/17 00:28	1
Allyl chloride	ND		2.0	0.38	ug/L			10/02/17 00:28	1
2,2-Dichloropropane	ND		1.0	0.34	ug/L			10/02/17 00:28	1
2-Chlorotoluene	ND		1.0	0.28	ug/L			10/02/17 00:28	1
2-Hexanone	ND		10	1.2	ug/L			10/02/17 00:28	1
Bromobenzene	ND		1.0	0.31	ug/L			10/02/17 00:28	1
Bromochloromethane	ND		1.0	0.47	ug/L			10/02/17 00:28	1
4-Chlorotoluene	ND		1.0	0.23	ug/L			10/02/17 00:28	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/02/17 00:28	1
Acetone	ND		10	1.8	ug/L			10/02/17 00:28	1
Benzene	ND		1.0	0.28	ug/L			10/02/17 00:28	1
Bromoform	ND		1.0	0.43	ug/L			10/02/17 00:28	1
Bromomethane	ND		1.0	0.42	ug/L			10/02/17 00:28	1
Carbon disulfide	ND		1.0	0.34	ug/L			10/02/17 00:28	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			10/02/17 00:28	1
Chlorobenzene	ND		1.0	0.32	ug/L			10/02/17 00:28	1
Chloroethane	ND		1.0	0.41	ug/L			10/02/17 00:28	1
Chloroform	ND		1.0	0.31	ug/L			10/02/17 00:28	1
Chloromethane	ND		1.0	0.43	ug/L			10/02/17 00:28	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/02/17 00:28	1
cis-1,3-Dichloropropene	ND		1.0	0.26	ug/L			10/02/17 00:28	1
Cyclohexane	ND		1.0	0.44	ug/L			10/02/17 00:28	1
Hexachlorobutadiene	ND		1.0	0.36	ug/L			10/02/17 00:28	1
Dibromomethane	ND		1.0	0.46	ug/L			10/02/17 00:28	1
Bromodichloromethane	ND		1.0	0.30	ug/L			10/02/17 00:28	1
Dichlorodifluoromethane	ND		1.0	0.50	ug/L			10/02/17 00:28	1
Dichlorofluoromethane	ND		2.0	0.43	ug/L			10/02/17 00:28	1
Ethyl ether	ND *		2.0	0.35	ug/L			10/02/17 00:28	1
Ethylbenzene	ND		1.0	0.26	ug/L			10/02/17 00:28	1
1,2-Dibromoethane	ND		1.0	0.23	ug/L			10/02/17 00:28	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: DUP-02-(20170920)

Lab Sample ID: 240-85395-9

Date Collected: 09/20/17 00:00

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.25	ug/L			10/02/17 00:28	1
m-Xylene & p-Xylene	ND		2.0	0.24	ug/L			10/02/17 00:28	1
n-Butylbenzene	ND		1.0	0.21	ug/L			10/02/17 00:28	1
Isopropylbenzene	ND		1.0	0.21	ug/L			10/02/17 00:28	1
Methyl acetate	ND		10	1.4	ug/L			10/02/17 00:28	1
N-Propylbenzene	ND		1.0	0.45	ug/L			10/02/17 00:28	1
2-Butanone (MEK)	ND		10	1.0	ug/L			10/02/17 00:28	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.71	ug/L			10/02/17 00:28	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/02/17 00:28	1
Methyl tert butyl ether	ND		1.0	0.27	ug/L			10/02/17 00:28	1
Methylene Chloride	ND		1.0	0.53	ug/L			10/02/17 00:28	1
o-Xylene	ND		1.0	0.28	ug/L			10/02/17 00:28	1
Styrene	ND		1.0	0.23	ug/L			10/02/17 00:28	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/02/17 00:28	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/02/17 00:28	1
Tetrahydrofuran	ND		5.0	0.84	ug/L			10/02/17 00:28	1
Toluene	ND		1.0	0.23	ug/L			10/02/17 00:28	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			10/02/17 00:28	1
trans-1,3-Dichloropropene	ND		1.0	0.31	ug/L			10/02/17 00:28	1
Trichloroethene	ND		1.0	0.33	ug/L			10/02/17 00:28	1
Trichlorofluoromethane	ND		1.0	0.50	ug/L			10/02/17 00:28	1
Vinyl chloride	ND		1.0	0.45	ug/L			10/02/17 00:28	1
Methylcyclohexane	ND		1.0	0.45	ug/L			10/02/17 00:28	1
Chlorodibromomethane	ND		1.0	0.25	ug/L			10/02/17 00:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		61 - 138		10/02/17 00:28	1
4-Bromofluorobenzene (Surr)	120		69 - 120		10/02/17 00:28	1
Toluene-d8 (Surr)	103		73 - 120		10/02/17 00:28	1
Dibromofluoromethane (Surr)	116		69 - 124		10/02/17 00:28	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.042	ug/L		09/27/17 09:28	09/29/17 14:04	1
Acenaphthylene	ND		0.19	0.046	ug/L		09/27/17 09:28	09/29/17 14:04	1
Acetophenone	ND		0.95	0.32	ug/L		09/27/17 09:28	09/29/17 14:04	1
Anthracene	ND		0.19	0.084	ug/L		09/27/17 09:28	09/29/17 14:04	1
Atrazine	ND		1.9	0.32	ug/L		09/27/17 09:28	09/29/17 14:04	1
Benzaldehyde	ND		1.9	0.37	ug/L		09/27/17 09:28	09/29/17 14:04	1
Benzo[a]anthracene	ND		0.19	0.028	ug/L		09/27/17 09:28	09/29/17 14:04	1
Benzo[b]fluoranthene	ND		0.19	0.038	ug/L		09/27/17 09:28	09/29/17 14:04	1
Benzo[k]fluoranthene	ND		0.19	0.043	ug/L		09/27/17 09:28	09/29/17 14:04	1
Benzo[g,h,i]perylene	ND		0.19	0.044	ug/L		09/27/17 09:28	09/29/17 14:04	1
Benzo[a]pyrene	ND		0.19	0.049	ug/L		09/27/17 09:28	09/29/17 14:04	1
Butyl benzyl phthalate	ND		1.9	0.25	ug/L		09/27/17 09:28	09/29/17 14:04	1
1,1'-Biphenyl	ND		0.95	0.12	ug/L		09/27/17 09:28	09/29/17 14:04	1
Bis(2-chloroethoxy)methane	ND		0.95	0.30	ug/L		09/27/17 09:28	09/29/17 14:04	1
Bis(2-chloroethyl)ether	ND		0.95	0.095	ug/L		09/27/17 09:28	09/29/17 14:04	1
Bis(2-ethylhexyl) phthalate	ND		4.8	1.6	ug/L		09/27/17 09:28	09/29/17 14:04	1
4-Bromophenyl phenyl ether	ND		1.9	0.21	ug/L		09/27/17 09:28	09/29/17 14:04	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: DUP-02-(20170920)

Lab Sample ID: 240-85395-9

Date Collected: 09/20/17 00:00

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Caprolactam	ND		4.8	0.19	ug/L		09/27/17 09:28	09/29/17 14:04	1
Carbazole	ND		0.95	0.27	ug/L		09/27/17 09:28	09/29/17 14:04	1
4-Chloroaniline	ND		1.9	0.20	ug/L		09/27/17 09:28	09/29/17 14:04	1
4-Chloro-3-methylphenol	ND		1.9	0.20	ug/L		09/27/17 09:28	09/29/17 14:04	1
2-Chloronaphthalene	ND		0.95	0.095	ug/L		09/27/17 09:28	09/29/17 14:04	1
2-Chlorophenol	ND		0.95	0.28	ug/L		09/27/17 09:28	09/29/17 14:04	1
4-Chlorophenyl phenyl ether	ND		1.9	0.29	ug/L		09/27/17 09:28	09/29/17 14:04	1
Chrysene	ND		0.19	0.048	ug/L		09/27/17 09:28	09/29/17 14:04	1
2-Methylnaphthalene	ND		0.19	0.086	ug/L		09/27/17 09:28	09/29/17 14:04	1
3 & 4 Methylphenol	ND		1.9	0.76	ug/L		09/27/17 09:28	09/29/17 14:04	1
Dibenz(a,h)anthracene	ND		0.19	0.042	ug/L		09/27/17 09:28	09/29/17 14:04	1
Dibenzofuran	ND		0.95	0.019	ug/L		09/27/17 09:28	09/29/17 14:04	1
3,3'-Dichlorobenzidine	ND		4.8	0.35	ug/L		09/27/17 09:28	09/29/17 14:04	1
2,4-Dichlorophenol	ND		1.9	0.18	ug/L		09/27/17 09:28	09/29/17 14:04	1
Diethyl phthalate	ND		1.9	0.57	ug/L		09/27/17 09:28	09/29/17 14:04	1
2,4-Dimethylphenol	ND		1.9	0.24	ug/L		09/27/17 09:28	09/29/17 14:04	1
Dimethyl phthalate	ND		1.9	0.28	ug/L		09/27/17 09:28	09/29/17 14:04	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.3	ug/L		09/27/17 09:28	09/29/17 14:04	1
2,4-Dinitrophenol	ND		4.8	0.30	ug/L		09/27/17 09:28	09/29/17 14:04	1
2,4-Dinitrotoluene	ND		4.8	0.24	ug/L		09/27/17 09:28	09/29/17 14:04	1
Di-n-butyl phthalate	ND		4.8	1.6	ug/L		09/27/17 09:28	09/29/17 14:04	1
Di-n-octyl phthalate	ND		1.9	0.22	ug/L		09/27/17 09:28	09/29/17 14:04	1
Fluoranthene	ND		0.19	0.042	ug/L		09/27/17 09:28	09/29/17 14:04	1
Fluorene	ND		0.19	0.039	ug/L		09/27/17 09:28	09/29/17 14:04	1
Hexachlorobenzene	ND		0.19	0.081	ug/L		09/27/17 09:28	09/29/17 14:04	1
Hexachlorobutadiene	ND		0.95	0.26	ug/L		09/27/17 09:28	09/29/17 14:04	1
Hexachlorocyclopentadiene	ND		9.5	0.23	ug/L		09/27/17 09:28	09/29/17 14:04	1
Hexachloroethane	ND		0.95	0.18	ug/L		09/27/17 09:28	09/29/17 14:04	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		09/27/17 09:28	09/29/17 14:04	1
Isophorone	ND		0.95	0.26	ug/L		09/27/17 09:28	09/29/17 14:04	1
2-Methylphenol	ND		0.95	0.16	ug/L		09/27/17 09:28	09/29/17 14:04	1
Naphthalene	ND		0.19	0.060	ug/L		09/27/17 09:28	09/29/17 14:04	1
2-Nitroaniline	ND *		1.9	0.20	ug/L		09/27/17 09:28	09/29/17 14:04	1
3-Nitroaniline	ND		1.9	0.27	ug/L		09/27/17 09:28	09/29/17 14:04	1
4-Nitroaniline	ND		1.9	0.21	ug/L		09/27/17 09:28	09/29/17 14:04	1
Nitrobenzene	ND		0.95	0.038	ug/L		09/27/17 09:28	09/29/17 14:04	1
2-Nitrophenol	ND		1.9	0.27	ug/L		09/27/17 09:28	09/29/17 14:04	1
4-Nitrophenol	ND		4.8	0.28	ug/L		09/27/17 09:28	09/29/17 14:04	1
N-Nitrosodiphenylamine	ND		0.95	0.30	ug/L		09/27/17 09:28	09/29/17 14:04	1
N-Nitrosodi-n-propylamine	ND		0.95	0.23	ug/L		09/27/17 09:28	09/29/17 14:04	1
2,2'-oxybis[1-chloropropane]	ND		0.95	0.38	ug/L		09/27/17 09:28	09/29/17 14:04	1
Pentachlorophenol	ND		4.8	0.26	ug/L		09/27/17 09:28	09/29/17 14:04	1
Phenanthrene	ND		0.19	0.059	ug/L		09/27/17 09:28	09/29/17 14:04	1
Phenol	ND		0.95	0.57	ug/L		09/27/17 09:28	09/29/17 14:04	1
Pyrene	ND		0.19	0.040	ug/L		09/27/17 09:28	09/29/17 14:04	1
2,4,5-Trichlorophenol	ND		4.8	0.29	ug/L		09/27/17 09:28	09/29/17 14:04	1
2,4,6-Trichlorophenol	ND		4.8	0.23	ug/L		09/27/17 09:28	09/29/17 14:04	1
2,6-Dinitrotoluene	ND		4.8	0.76	ug/L		09/27/17 09:28	09/29/17 14:04	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: DUP-02-(20170920)

Lab Sample ID: 240-85395-9

Date Collected: 09/20/17 00:00

Matrix: Water

Date Received: 09/22/17 09:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	77		38 - 120	09/27/17 09:28	09/29/17 14:04	1
2-Fluorophenol (Surr)	35		10 - 120	09/27/17 09:28	09/29/17 14:04	1
2,4,6-Tribromophenol (Surr)	60		28 - 120	09/27/17 09:28	09/29/17 14:04	1
Nitrobenzene-d5 (Surr)	61		32 - 120	09/27/17 09:28	09/29/17 14:04	1
Phenol-d5 (Surr)	21		10 - 120	09/27/17 09:28	09/29/17 14:04	1
Terphenyl-d14 (Surr)	88		23 - 127	09/27/17 09:28	09/29/17 14:04	1

Method: WI-GRO - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
WI Gasoline Range Organics (C6-C10)	ND		100	20	ug/L	-		10/03/17 00:30	1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.19	0.048	ug/L	-	09/27/17 13:47	09/29/17 11:07	1
Aroclor-1221	ND		0.19	0.087	ug/L	-	09/27/17 13:47	09/29/17 11:07	1
Aroclor-1232	ND		0.19	0.067	ug/L	-	09/27/17 13:47	09/29/17 11:07	1
Aroclor-1242	ND		0.19	0.058	ug/L	-	09/27/17 13:47	09/29/17 11:07	1
Aroclor-1248	ND		0.19	0.048	ug/L	-	09/27/17 13:47	09/29/17 11:07	1
Aroclor-1254	ND		0.19	0.029	ug/L	-	09/27/17 13:47	09/29/17 11:07	1
Aroclor-1260	ND		0.19	0.038	ug/L	-	09/27/17 13:47	09/29/17 11:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	43		10 - 120	09/27/17 13:47	09/29/17 11:07	1
Tetrachloro-m-xylene	48		21 - 120	09/27/17 13:47	09/29/17 11:07	1

Method: WI-DRO - Wisconsin - Diesel Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
WI Diesel Range Organics (C10-C28)	0.056	J B	0.096	0.019	mg/L	-	09/26/17 14:46	09/27/17 19:41	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	160	J	200	2.4	ug/L	-	09/25/17 14:00	09/26/17 20:27	1
Aluminum	ND		200	40	ug/L	-	09/25/17 14:00	09/26/17 20:27	1
Cadmium	ND		5.0	0.29	ug/L	-	09/25/17 14:00	09/26/17 20:27	1
Chromium	1.6	J	10	0.55	ug/L	-	09/25/17 14:00	09/26/17 20:27	1
Silver	ND		10	0.92	ug/L	-	09/25/17 14:00	09/26/17 20:27	1
Arsenic	ND		10	3.3	ug/L	-	09/25/17 14:00	09/26/17 20:27	1
Beryllium	ND		5.0	0.21	ug/L	-	09/25/17 14:00	09/26/17 20:27	1
Lead	ND		3.0	1.9	ug/L	-	09/25/17 14:00	09/26/17 20:27	1
Calcium	170000		5000	710	ug/L	-	09/25/17 14:00	09/26/17 20:27	1
Cobalt	1.5	J	7.0	0.84	ug/L	-	09/25/17 14:00	09/26/17 20:27	1
Copper	ND		25	3.9	ug/L	-	09/25/17 14:00	09/26/17 20:27	1
Iron	270		100	25	ug/L	-	09/25/17 14:00	09/26/17 20:27	1
Potassium	3000	J	5000	70	ug/L	-	09/25/17 14:00	09/26/17 20:27	1
Magnesium	49000		5000	230	ug/L	-	09/25/17 14:00	09/26/17 20:27	1
Manganese	810		15	5.1	ug/L	-	09/25/17 14:00	09/26/17 20:27	1
Sodium	54000		5000	330	ug/L	-	09/25/17 14:00	09/26/17 20:27	1
Nickel	3.6	J	40	1.6	ug/L	-	09/25/17 14:00	09/26/17 20:27	1
Antimony	ND		10	3.1	ug/L	-	09/25/17 14:00	09/26/17 20:27	1
Vanadium	ND		10	4.4	ug/L	-	09/25/17 14:00	09/26/17 20:27	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: DUP-02-(20170920)

Lab Sample ID: 240-85395-9

Date Collected: 09/20/17 00:00

Matrix: Water

Date Received: 09/22/17 09:00

Method: 6010B - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		50	16	ug/L	-	09/25/17 14:00	09/26/17 20:27	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		1.0	0.20	ug/L	-	09/25/17 14:00	09/26/17 15:28	1
Selenium	ND		5.0	0.89	ug/L	-	09/25/17 14:00	09/26/17 15:28	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L	-	09/25/17 14:00	09/26/17 11:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0070	mg/L	-	09/27/17 13:01	09/28/17 16:30	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: TRIP BLANK5

Lab Sample ID: 240-85395-10

Date Collected: 09/20/17 00:00

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.46	ug/L			10/02/17 00:50	1
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			10/02/17 00:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.32	ug/L			10/02/17 00:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			10/02/17 00:50	1
1,1,2-Trichloroethane	ND		1.0	0.34	ug/L			10/02/17 00:50	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			10/02/17 00:50	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			10/02/17 00:50	1
1,1-Dichloropropene	ND		1.0	0.28	ug/L			10/02/17 00:50	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/02/17 00:50	1
1,2,3-Trichloropropane	ND		1.0	0.54	ug/L			10/02/17 00:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			10/02/17 00:50	1
1,2,4-Trimethylbenzene	ND		1.0	0.24	ug/L			10/02/17 00:50	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.47	ug/L			10/02/17 00:50	1
1,2-Dichlorobenzene	ND		1.0	0.26	ug/L			10/02/17 00:50	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/02/17 00:50	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/02/17 00:50	1
1,3,5-Trimethylbenzene	ND		1.0	0.24	ug/L			10/02/17 00:50	1
1,3-Dichlorobenzene	ND		1.0	0.32	ug/L			10/02/17 00:50	1
1,3-Dichloropropane	ND		1.0	0.29	ug/L			10/02/17 00:50	1
1,4-Dichlorobenzene	ND		1.0	0.23	ug/L			10/02/17 00:50	1
Allyl chloride	ND		2.0	0.38	ug/L			10/02/17 00:50	1
2,2-Dichloropropane	ND		1.0	0.34	ug/L			10/02/17 00:50	1
2-Chlorotoluene	ND		1.0	0.28	ug/L			10/02/17 00:50	1
2-Hexanone	ND		10	1.2	ug/L			10/02/17 00:50	1
Bromobenzene	ND		1.0	0.31	ug/L			10/02/17 00:50	1
Bromochloromethane	ND		1.0	0.47	ug/L			10/02/17 00:50	1
4-Chlorotoluene	ND		1.0	0.23	ug/L			10/02/17 00:50	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/02/17 00:50	1
Acetone	2.1	J	10	1.8	ug/L			10/02/17 00:50	1
Benzene	ND		1.0	0.28	ug/L			10/02/17 00:50	1
Bromoform	ND		1.0	0.43	ug/L			10/02/17 00:50	1
Bromomethane	ND		1.0	0.42	ug/L			10/02/17 00:50	1
Carbon disulfide	ND		1.0	0.34	ug/L			10/02/17 00:50	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			10/02/17 00:50	1
Chlorobenzene	ND		1.0	0.32	ug/L			10/02/17 00:50	1
Chloroethane	ND		1.0	0.41	ug/L			10/02/17 00:50	1
Chloroform	ND		1.0	0.31	ug/L			10/02/17 00:50	1
Chloromethane	ND		1.0	0.43	ug/L			10/02/17 00:50	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/02/17 00:50	1
cis-1,3-Dichloropropene	ND		1.0	0.26	ug/L			10/02/17 00:50	1
Cyclohexane	ND		1.0	0.44	ug/L			10/02/17 00:50	1
Hexachlorobutadiene	ND		1.0	0.36	ug/L			10/02/17 00:50	1
Dibromomethane	ND		1.0	0.46	ug/L			10/02/17 00:50	1
Bromodichloromethane	ND		1.0	0.30	ug/L			10/02/17 00:50	1
Dichlorodifluoromethane	ND		1.0	0.50	ug/L			10/02/17 00:50	1
Dichlorofluoromethane	ND		2.0	0.43	ug/L			10/02/17 00:50	1
Ethyl ether	ND	*	2.0	0.35	ug/L			10/02/17 00:50	1
Ethylbenzene	ND		1.0	0.26	ug/L			10/02/17 00:50	1
1,2-Dibromoethane	ND		1.0	0.23	ug/L			10/02/17 00:50	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: TRIP BLANK5

Lab Sample ID: 240-85395-10

Date Collected: 09/20/17 00:00

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.25	ug/L			10/02/17 00:50	1
m-Xylene & p-Xylene	ND		2.0	0.24	ug/L			10/02/17 00:50	1
n-Butylbenzene	ND		1.0	0.21	ug/L			10/02/17 00:50	1
Isopropylbenzene	ND		1.0	0.21	ug/L			10/02/17 00:50	1
Methyl acetate	ND		10	1.4	ug/L			10/02/17 00:50	1
N-Propylbenzene	ND		1.0	0.45	ug/L			10/02/17 00:50	1
2-Butanone (MEK)	ND		10	1.0	ug/L			10/02/17 00:50	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.71	ug/L			10/02/17 00:50	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/02/17 00:50	1
Methyl tert butyl ether	ND		1.0	0.27	ug/L			10/02/17 00:50	1
Methylene Chloride	ND		1.0	0.53	ug/L			10/02/17 00:50	1
o-Xylene	ND		1.0	0.28	ug/L			10/02/17 00:50	1
Styrene	ND		1.0	0.23	ug/L			10/02/17 00:50	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/02/17 00:50	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/02/17 00:50	1
Tetrahydrofuran	ND		5.0	0.84	ug/L			10/02/17 00:50	1
Toluene	ND		1.0	0.23	ug/L			10/02/17 00:50	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			10/02/17 00:50	1
trans-1,3-Dichloropropene	ND		1.0	0.31	ug/L			10/02/17 00:50	1
Trichloroethene	ND		1.0	0.33	ug/L			10/02/17 00:50	1
Trichlorofluoromethane	ND		1.0	0.50	ug/L			10/02/17 00:50	1
Vinyl chloride	ND		1.0	0.45	ug/L			10/02/17 00:50	1
Methylcyclohexane	ND		1.0	0.45	ug/L			10/02/17 00:50	1
Chlorodibromomethane	ND		1.0	0.25	ug/L			10/02/17 00:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		61 - 138		10/02/17 00:50	1
4-Bromofluorobenzene (Surr)	112		69 - 120		10/02/17 00:50	1
Toluene-d8 (Surr)	103		73 - 120		10/02/17 00:50	1
Dibromofluoromethane (Surr)	116		69 - 124		10/02/17 00:50	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-21-(20170919)

Lab Sample ID: 240-85395-11

Date Collected: 09/19/17 10:45

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.46	ug/L			10/02/17 01:13	1
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			10/02/17 01:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.32	ug/L			10/02/17 01:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			10/02/17 01:13	1
1,1,2-Trichloroethane	ND		1.0	0.34	ug/L			10/02/17 01:13	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			10/02/17 01:13	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			10/02/17 01:13	1
1,1-Dichloropropene	ND		1.0	0.28	ug/L			10/02/17 01:13	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/02/17 01:13	1
1,2,3-Trichloropropane	ND		1.0	0.54	ug/L			10/02/17 01:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			10/02/17 01:13	1
1,2,4-Trimethylbenzene	ND		1.0	0.24	ug/L			10/02/17 01:13	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.47	ug/L			10/02/17 01:13	1
1,2-Dichlorobenzene	ND		1.0	0.26	ug/L			10/02/17 01:13	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/02/17 01:13	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/02/17 01:13	1
1,3,5-Trimethylbenzene	ND		1.0	0.24	ug/L			10/02/17 01:13	1
1,3-Dichlorobenzene	ND		1.0	0.32	ug/L			10/02/17 01:13	1
1,3-Dichloropropane	ND		1.0	0.29	ug/L			10/02/17 01:13	1
1,4-Dichlorobenzene	ND		1.0	0.23	ug/L			10/02/17 01:13	1
Allyl chloride	ND		2.0	0.38	ug/L			10/02/17 01:13	1
2,2-Dichloropropane	ND		1.0	0.34	ug/L			10/02/17 01:13	1
2-Chlorotoluene	ND		1.0	0.28	ug/L			10/02/17 01:13	1
2-Hexanone	ND		10	1.2	ug/L			10/02/17 01:13	1
Bromobenzene	ND		1.0	0.31	ug/L			10/02/17 01:13	1
Bromochloromethane	ND		1.0	0.47	ug/L			10/02/17 01:13	1
4-Chlorotoluene	ND		1.0	0.23	ug/L			10/02/17 01:13	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/02/17 01:13	1
Acetone	ND		10	1.8	ug/L			10/02/17 01:13	1
Benzene	ND		1.0	0.28	ug/L			10/02/17 01:13	1
Bromoform	ND		1.0	0.43	ug/L			10/02/17 01:13	1
Bromomethane	ND		1.0	0.42	ug/L			10/02/17 01:13	1
Carbon disulfide	3.8		1.0	0.34	ug/L			10/02/17 01:13	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			10/02/17 01:13	1
Chlorobenzene	ND		1.0	0.32	ug/L			10/02/17 01:13	1
Chloroethane	ND		1.0	0.41	ug/L			10/02/17 01:13	1
Chloroform	ND		1.0	0.31	ug/L			10/02/17 01:13	1
Chloromethane	ND		1.0	0.43	ug/L			10/02/17 01:13	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/02/17 01:13	1
cis-1,3-Dichloropropene	ND		1.0	0.26	ug/L			10/02/17 01:13	1
Cyclohexane	ND		1.0	0.44	ug/L			10/02/17 01:13	1
Hexachlorobutadiene	ND		1.0	0.36	ug/L			10/02/17 01:13	1
Dibromomethane	ND		1.0	0.46	ug/L			10/02/17 01:13	1
Bromodichloromethane	ND		1.0	0.30	ug/L			10/02/17 01:13	1
Dichlorodifluoromethane	ND		1.0	0.50	ug/L			10/02/17 01:13	1
Dichlorofluoromethane	ND		2.0	0.43	ug/L			10/02/17 01:13	1
Ethyl ether	ND *		2.0	0.35	ug/L			10/02/17 01:13	1
Ethylbenzene	ND		1.0	0.26	ug/L			10/02/17 01:13	1
1,2-Dibromoethane	ND		1.0	0.23	ug/L			10/02/17 01:13	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-21-(20170919)

Lab Sample ID: 240-85395-11

Date Collected: 09/19/17 10:45

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.25	ug/L			10/02/17 01:13	1
m-Xylene & p-Xylene	ND		2.0	0.24	ug/L			10/02/17 01:13	1
n-Butylbenzene	ND		1.0	0.21	ug/L			10/02/17 01:13	1
Isopropylbenzene	ND		1.0	0.21	ug/L			10/02/17 01:13	1
Methyl acetate	ND		10	1.4	ug/L			10/02/17 01:13	1
N-Propylbenzene	ND		1.0	0.45	ug/L			10/02/17 01:13	1
2-Butanone (MEK)	ND		10	1.0	ug/L			10/02/17 01:13	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.71	ug/L			10/02/17 01:13	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/02/17 01:13	1
Methyl tert butyl ether	ND		1.0	0.27	ug/L			10/02/17 01:13	1
Methylene Chloride	ND		1.0	0.53	ug/L			10/02/17 01:13	1
o-Xylene	ND		1.0	0.28	ug/L			10/02/17 01:13	1
Styrene	ND		1.0	0.23	ug/L			10/02/17 01:13	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/02/17 01:13	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/02/17 01:13	1
Tetrahydrofuran	ND		5.0	0.84	ug/L			10/02/17 01:13	1
Toluene	ND		1.0	0.23	ug/L			10/02/17 01:13	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			10/02/17 01:13	1
trans-1,3-Dichloropropene	ND		1.0	0.31	ug/L			10/02/17 01:13	1
Trichloroethene	ND		1.0	0.33	ug/L			10/02/17 01:13	1
Trichlorofluoromethane	ND		1.0	0.50	ug/L			10/02/17 01:13	1
Vinyl chloride	ND		1.0	0.45	ug/L			10/02/17 01:13	1
Methylcyclohexane	ND		1.0	0.45	ug/L			10/02/17 01:13	1
Chlorodibromomethane	ND		1.0	0.25	ug/L			10/02/17 01:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		61 - 138		10/02/17 01:13	1
4-Bromofluorobenzene (Surr)	102		69 - 120		10/02/17 01:13	1
Toluene-d8 (Surr)	105		73 - 120		10/02/17 01:13	1
Dibromofluoromethane (Surr)	101		69 - 124		10/02/17 01:13	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.043	ug/L		09/26/17 08:36	09/29/17 18:31	1
Acenaphthylene	ND		0.20	0.047	ug/L		09/26/17 08:36	09/29/17 18:31	1
Acetophenone	ND		0.98	0.33	ug/L		09/26/17 08:36	09/29/17 18:31	1
Anthracene	ND		0.20	0.086	ug/L		09/26/17 08:36	09/29/17 18:31	1
Atrazine	ND		2.0	0.33	ug/L		09/26/17 08:36	09/29/17 18:31	1
Benzaldehyde	ND		2.0	0.38	ug/L		09/26/17 08:36	09/29/17 18:31	1
Benzo[a]anthracene	0.16	J	0.20	0.029	ug/L		09/26/17 08:36	09/29/17 18:31	1
Benzo[b]fluoranthene	0.11	J	0.20	0.039	ug/L		09/26/17 08:36	09/29/17 18:31	1
Benzo[k]fluoranthene	ND		0.20	0.044	ug/L		09/26/17 08:36	09/29/17 18:31	1
Benzo[g,h,i]perylene	ND		0.20	0.045	ug/L		09/26/17 08:36	09/29/17 18:31	1
Benzo[a]pyrene	0.10	J	0.20	0.050	ug/L		09/26/17 08:36	09/29/17 18:31	1
Butyl benzyl phthalate	ND		2.0	0.25	ug/L		09/26/17 08:36	09/29/17 18:31	1
1,1'-Biphenyl	ND		0.98	0.13	ug/L		09/26/17 08:36	09/29/17 18:31	1
Bis(2-chloroethoxy)methane	ND		0.98	0.31	ug/L		09/26/17 08:36	09/29/17 18:31	1
Bis(2-chloroethyl)ether	ND		0.98	0.098	ug/L		09/26/17 08:36	09/29/17 18:31	1
Bis(2-ethylhexyl) phthalate	1.8	J	4.9	1.7	ug/L		09/26/17 08:36	09/29/17 18:31	1
4-Bromophenyl phenyl ether	ND		2.0	0.22	ug/L		09/26/17 08:36	09/29/17 18:31	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-21-(20170919)

Lab Sample ID: 240-85395-11

Date Collected: 09/19/17 10:45

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Caprolactam	0.36	J	4.9	0.20	ug/L		09/26/17 08:36	09/29/17 18:31	1
Carbazole	ND		0.98	0.27	ug/L		09/26/17 08:36	09/29/17 18:31	1
4-Chloroaniline	ND		2.0	0.21	ug/L		09/26/17 08:36	09/29/17 18:31	1
4-Chloro-3-methylphenol	ND		2.0	0.21	ug/L		09/26/17 08:36	09/29/17 18:31	1
2-Chloronaphthalene	ND		0.98	0.098	ug/L		09/26/17 08:36	09/29/17 18:31	1
2-Chlorophenol	ND		0.98	0.28	ug/L		09/26/17 08:36	09/29/17 18:31	1
4-Chlorophenyl phenyl ether	ND		2.0	0.29	ug/L		09/26/17 08:36	09/29/17 18:31	1
Chrysene	0.16	J	0.20	0.049	ug/L		09/26/17 08:36	09/29/17 18:31	1
2-Methylnaphthalene	ND		0.20	0.089	ug/L		09/26/17 08:36	09/29/17 18:31	1
3 & 4 Methylphenol	ND		2.0	0.78	ug/L		09/26/17 08:36	09/29/17 18:31	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		09/26/17 08:36	09/29/17 18:31	1
Dibenzofuran	ND		0.98	0.020	ug/L		09/26/17 08:36	09/29/17 18:31	1
3,3'-Dichlorobenzidine	ND		4.9	0.36	ug/L		09/26/17 08:36	09/29/17 18:31	1
2,4-Dichlorophenol	ND		2.0	0.19	ug/L		09/26/17 08:36	09/29/17 18:31	1
Diethyl phthalate	ND		2.0	0.59	ug/L		09/26/17 08:36	09/29/17 18:31	1
2,4-Dimethylphenol	ND		2.0	0.25	ug/L		09/26/17 08:36	09/29/17 18:31	1
Dimethyl phthalate	ND		2.0	0.28	ug/L		09/26/17 08:36	09/29/17 18:31	1
4,6-Dinitro-2-methylphenol	ND		4.9	2.4	ug/L		09/26/17 08:36	09/29/17 18:31	1
2,4-Dinitrophenol	ND		4.9	0.31	ug/L		09/26/17 08:36	09/29/17 18:31	1
2,4-Dinitrotoluene	ND		4.9	0.25	ug/L		09/26/17 08:36	09/29/17 18:31	1
Di-n-butyl phthalate	ND		4.9	1.7	ug/L		09/26/17 08:36	09/29/17 18:31	1
Di-n-octyl phthalate	ND		2.0	0.23	ug/L		09/26/17 08:36	09/29/17 18:31	1
Fluoranthene	0.21		0.20	0.044	ug/L		09/26/17 08:36	09/29/17 18:31	1
Fluorene	ND		0.20	0.040	ug/L		09/26/17 08:36	09/29/17 18:31	1
Hexachlorobenzene	ND		0.20	0.084	ug/L		09/26/17 08:36	09/29/17 18:31	1
Hexachlorobutadiene	ND		0.98	0.26	ug/L		09/26/17 08:36	09/29/17 18:31	1
Hexachlorocyclopentadiene	ND		9.8	0.24	ug/L		09/26/17 08:36	09/29/17 18:31	1
Hexachloroethane	ND		0.98	0.19	ug/L		09/26/17 08:36	09/29/17 18:31	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.042	ug/L		09/26/17 08:36	09/29/17 18:31	1
Isophorone	ND		0.98	0.26	ug/L		09/26/17 08:36	09/29/17 18:31	1
2-Methylphenol	ND		0.98	0.17	ug/L		09/26/17 08:36	09/29/17 18:31	1
Naphthalene	ND		0.20	0.061	ug/L		09/26/17 08:36	09/29/17 18:31	1
2-Nitroaniline	ND		2.0	0.21	ug/L		09/26/17 08:36	09/29/17 18:31	1
3-Nitroaniline	ND		2.0	0.27	ug/L		09/26/17 08:36	09/29/17 18:31	1
4-Nitroaniline	ND		2.0	0.22	ug/L		09/26/17 08:36	09/29/17 18:31	1
Nitrobenzene	ND		0.98	0.039	ug/L		09/26/17 08:36	09/29/17 18:31	1
2-Nitrophenol	ND		2.0	0.27	ug/L		09/26/17 08:36	09/29/17 18:31	1
4-Nitrophenol	ND		4.9	0.28	ug/L		09/26/17 08:36	09/29/17 18:31	1
N-Nitrosodiphenylamine	ND		0.98	0.30	ug/L		09/26/17 08:36	09/29/17 18:31	1
N-Nitrosodi-n-propylamine	ND		0.98	0.24	ug/L		09/26/17 08:36	09/29/17 18:31	1
2,2'-oxybis[1-chloropropane]	ND		0.98	0.39	ug/L		09/26/17 08:36	09/29/17 18:31	1
Pentachlorophenol	ND		4.9	0.26	ug/L		09/26/17 08:36	09/29/17 18:31	1
Phenanthrene	ND		0.20	0.061	ug/L		09/26/17 08:36	09/29/17 18:31	1
Phenol	ND		0.98	0.59	ug/L		09/26/17 08:36	09/29/17 18:31	1
Pyrene	0.24		0.20	0.041	ug/L		09/26/17 08:36	09/29/17 18:31	1
2,4,5-Trichlorophenol	ND		4.9	0.29	ug/L		09/26/17 08:36	09/29/17 18:31	1
2,4,6-Trichlorophenol	ND		4.9	0.24	ug/L		09/26/17 08:36	09/29/17 18:31	1
2,6-Dinitrotoluene	ND		4.9	0.78	ug/L		09/26/17 08:36	09/29/17 18:31	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-21-(20170919)

Lab Sample ID: 240-85395-11

Date Collected: 09/19/17 10:45

Matrix: Water

Date Received: 09/22/17 09:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	92		38 - 120	09/26/17 08:36	09/29/17 18:31	1
2-Fluorophenol (Surr)	45		10 - 120	09/26/17 08:36	09/29/17 18:31	1
2,4,6-Tribromophenol (Surr)	65		28 - 120	09/26/17 08:36	09/29/17 18:31	1
Nitrobenzene-d5 (Surr)	73		32 - 120	09/26/17 08:36	09/29/17 18:31	1
Phenol-d5 (Surr)	27		10 - 120	09/26/17 08:36	09/29/17 18:31	1
Terphenyl-d14 (Surr)	85		23 - 127	09/26/17 08:36	09/29/17 18:31	1

Method: WI-GRO - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
WI Gasoline Range Organics (C6-C10)	ND		100	20	ug/L			10/03/17 01:11	1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.19	0.048	ug/L		09/26/17 14:40	09/30/17 20:04	1
Aroclor-1221	ND		0.19	0.087	ug/L		09/26/17 14:40	09/30/17 20:04	1
Aroclor-1232	ND		0.19	0.067	ug/L		09/26/17 14:40	09/30/17 20:04	1
Aroclor-1242	ND		0.19	0.058	ug/L		09/26/17 14:40	09/30/17 20:04	1
Aroclor-1248	ND		0.19	0.048	ug/L		09/26/17 14:40	09/30/17 20:04	1
Aroclor-1254	ND		0.19	0.029	ug/L		09/26/17 14:40	09/30/17 20:04	1
Aroclor-1260	ND		0.19	0.038	ug/L		09/26/17 14:40	09/30/17 20:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	11		10 - 120	09/26/17 14:40	09/30/17 20:04	1
Tetrachloro-m-xylene	46		21 - 120	09/26/17 14:40	09/30/17 20:04	1

Method: WI-DRO - Wisconsin - Diesel Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
WI Diesel Range Organics (C10-C28)	0.66	B	0.097	0.019	mg/L		09/26/17 14:46	09/27/17 20:08	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	94	J	200	2.4	ug/L		09/25/17 14:00	09/26/17 20:31	1
Aluminum	160	J	200	40	ug/L		09/25/17 14:00	09/26/17 20:31	1
Cadmium	ND		5.0	0.29	ug/L		09/25/17 14:00	09/26/17 20:31	1
Chromium	1.4	J	10	0.55	ug/L		09/25/17 14:00	09/26/17 20:31	1
Silver	ND		10	0.92	ug/L		09/25/17 14:00	09/26/17 20:31	1
Arsenic	ND		10	3.3	ug/L		09/25/17 14:00	09/26/17 20:31	1
Beryllium	ND		5.0	0.21	ug/L		09/25/17 14:00	09/26/17 20:31	1
Lead	ND		3.0	1.9	ug/L		09/25/17 14:00	09/26/17 20:31	1
Calcium	150000		5000	710	ug/L		09/25/17 14:00	09/26/17 20:31	1
Cobalt	0.89	J	7.0	0.84	ug/L		09/25/17 14:00	09/26/17 20:31	1
Copper	ND		25	3.9	ug/L		09/25/17 14:00	09/26/17 20:31	1
Iron	1900		100	25	ug/L		09/25/17 14:00	09/26/17 20:31	1
Potassium	5600		5000	70	ug/L		09/25/17 14:00	09/26/17 20:31	1
Magnesium	44000		5000	230	ug/L		09/25/17 14:00	09/26/17 20:31	1
Manganese	2100		15	5.1	ug/L		09/25/17 14:00	09/26/17 20:31	1
Sodium	33000		5000	330	ug/L		09/25/17 14:00	09/26/17 20:31	1
Nickel	4.7	J	40	1.6	ug/L		09/25/17 14:00	09/26/17 20:31	1
Antimony	ND		10	3.1	ug/L		09/25/17 14:00	09/26/17 20:31	1
Vanadium	ND		10	4.4	ug/L		09/25/17 14:00	09/26/17 20:31	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-21-(20170919)

Lab Sample ID: 240-85395-11

Date Collected: 09/19/17 10:45

Matrix: Water

Date Received: 09/22/17 09:00

Method: 6010B - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		50	16	ug/L	-	09/25/17 14:00	09/26/17 20:31	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		1.0	0.20	ug/L	-	09/25/17 14:00	09/26/17 15:32	1
Selenium	ND		5.0	0.89	ug/L	-	09/25/17 14:00	09/26/17 15:32	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L	-	09/25/17 14:00	09/26/17 11:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0070	mg/L	-	09/27/17 13:01	09/28/17 16:32	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: TRIP BLANK6

Lab Sample ID: 240-85395-12

Date Collected: 09/19/17 00:00

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.46	ug/L			10/01/17 21:00	1
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			10/01/17 21:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.32	ug/L			10/01/17 21:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			10/01/17 21:00	1
1,1,2-Trichloroethane	ND		1.0	0.34	ug/L			10/01/17 21:00	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			10/01/17 21:00	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			10/01/17 21:00	1
1,1-Dichloropropene	ND		1.0	0.28	ug/L			10/01/17 21:00	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/01/17 21:00	1
1,2,3-Trichloropropane	ND		1.0	0.54	ug/L			10/01/17 21:00	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			10/01/17 21:00	1
1,2,4-Trimethylbenzene	ND	*	1.0	0.24	ug/L			10/01/17 21:00	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.47	ug/L			10/01/17 21:00	1
1,2-Dichlorobenzene	ND		1.0	0.26	ug/L			10/01/17 21:00	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/01/17 21:00	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/01/17 21:00	1
1,3,5-Trimethylbenzene	ND	*	1.0	0.24	ug/L			10/01/17 21:00	1
1,3-Dichlorobenzene	ND		1.0	0.32	ug/L			10/01/17 21:00	1
1,3-Dichloropropane	ND		1.0	0.29	ug/L			10/01/17 21:00	1
1,4-Dichlorobenzene	ND		1.0	0.23	ug/L			10/01/17 21:00	1
Allyl chloride	ND		2.0	0.38	ug/L			10/01/17 21:00	1
2,2-Dichloropropane	ND		1.0	0.34	ug/L			10/01/17 21:00	1
2-Chlorotoluene	ND		1.0	0.28	ug/L			10/01/17 21:00	1
2-Hexanone	ND		10	1.2	ug/L			10/01/17 21:00	1
Bromobenzene	ND		1.0	0.31	ug/L			10/01/17 21:00	1
Bromochloromethane	ND		1.0	0.47	ug/L			10/01/17 21:00	1
4-Chlorotoluene	ND		1.0	0.23	ug/L			10/01/17 21:00	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/01/17 21:00	1
Acetone	ND		10	1.8	ug/L			10/01/17 21:00	1
Benzene	ND		1.0	0.28	ug/L			10/01/17 21:00	1
Bromoform	ND		1.0	0.43	ug/L			10/01/17 21:00	1
Bromomethane	ND		1.0	0.42	ug/L			10/01/17 21:00	1
Carbon disulfide	ND		1.0	0.34	ug/L			10/01/17 21:00	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			10/01/17 21:00	1
Chlorobenzene	ND		1.0	0.32	ug/L			10/01/17 21:00	1
Chloroethane	ND		1.0	0.41	ug/L			10/01/17 21:00	1
Chloroform	ND		1.0	0.31	ug/L			10/01/17 21:00	1
Chloromethane	ND		1.0	0.43	ug/L			10/01/17 21:00	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/01/17 21:00	1
cis-1,3-Dichloropropene	ND		1.0	0.26	ug/L			10/01/17 21:00	1
Cyclohexane	ND		1.0	0.44	ug/L			10/01/17 21:00	1
Hexachlorobutadiene	ND		1.0	0.36	ug/L			10/01/17 21:00	1
Dibromomethane	ND		1.0	0.46	ug/L			10/01/17 21:00	1
Bromodichloromethane	ND		1.0	0.30	ug/L			10/01/17 21:00	1
Dichlorodifluoromethane	ND	*	1.0	0.50	ug/L			10/01/17 21:00	1
Dichlorofluoromethane	ND		2.0	0.43	ug/L			10/01/17 21:00	1
Ethyl ether	ND		2.0	0.35	ug/L			10/01/17 21:00	1
Ethylbenzene	ND		1.0	0.26	ug/L			10/01/17 21:00	1
1,2-Dibromoethane	ND		1.0	0.23	ug/L			10/01/17 21:00	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: TRIP BLANK6

Lab Sample ID: 240-85395-12

Date Collected: 09/19/17 00:00

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.25	ug/L			10/01/17 21:00	1
m-Xylene & p-Xylene	ND		2.0	0.24	ug/L			10/01/17 21:00	1
n-Butylbenzene	ND		1.0	0.21	ug/L			10/01/17 21:00	1
Isopropylbenzene	ND		1.0	0.21	ug/L			10/01/17 21:00	1
Methyl acetate	ND		10	1.4	ug/L			10/01/17 21:00	1
N-Propylbenzene	ND		1.0	0.45	ug/L			10/01/17 21:00	1
2-Butanone (MEK)	ND		10	1.0	ug/L			10/01/17 21:00	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.71	ug/L			10/01/17 21:00	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/01/17 21:00	1
Methyl tert butyl ether	ND		1.0	0.27	ug/L			10/01/17 21:00	1
Methylene Chloride	ND		1.0	0.53	ug/L			10/01/17 21:00	1
o-Xylene	ND		1.0	0.28	ug/L			10/01/17 21:00	1
Styrene	ND		1.0	0.23	ug/L			10/01/17 21:00	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/01/17 21:00	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/01/17 21:00	1
Tetrahydrofuran	ND		5.0	0.84	ug/L			10/01/17 21:00	1
Toluene	ND *		1.0	0.23	ug/L			10/01/17 21:00	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			10/01/17 21:00	1
trans-1,3-Dichloropropene	ND		1.0	0.31	ug/L			10/01/17 21:00	1
Trichloroethene	ND		1.0	0.33	ug/L			10/01/17 21:00	1
Trichlorofluoromethane	ND		1.0	0.50	ug/L			10/01/17 21:00	1
Vinyl chloride	ND		1.0	0.45	ug/L			10/01/17 21:00	1
Methylcyclohexane	ND		1.0	0.45	ug/L			10/01/17 21:00	1
Chlorodibromomethane	ND		1.0	0.25	ug/L			10/01/17 21:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		61 - 138		10/01/17 21:00	1
4-Bromofluorobenzene (Surr)	90		69 - 120		10/01/17 21:00	1
Toluene-d8 (Surr)	94		73 - 120		10/01/17 21:00	1
Dibromofluoromethane (Surr)	109		69 - 124		10/01/17 21:00	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-22-(20170919)

Lab Sample ID: 240-85395-13

Date Collected: 09/19/17 12:00

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.46	ug/L			10/01/17 21:23	1
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			10/01/17 21:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.32	ug/L			10/01/17 21:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			10/01/17 21:23	1
1,1,2-Trichloroethane	ND		1.0	0.34	ug/L			10/01/17 21:23	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			10/01/17 21:23	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			10/01/17 21:23	1
1,1-Dichloropropene	ND		1.0	0.28	ug/L			10/01/17 21:23	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/01/17 21:23	1
1,2,3-Trichloropropane	ND		1.0	0.54	ug/L			10/01/17 21:23	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			10/01/17 21:23	1
1,2,4-Trimethylbenzene	ND	*	1.0	0.24	ug/L			10/01/17 21:23	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.47	ug/L			10/01/17 21:23	1
1,2-Dichlorobenzene	ND		1.0	0.26	ug/L			10/01/17 21:23	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/01/17 21:23	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/01/17 21:23	1
1,3,5-Trimethylbenzene	ND	*	1.0	0.24	ug/L			10/01/17 21:23	1
1,3-Dichlorobenzene	ND		1.0	0.32	ug/L			10/01/17 21:23	1
1,3-Dichloropropane	ND		1.0	0.29	ug/L			10/01/17 21:23	1
1,4-Dichlorobenzene	ND		1.0	0.23	ug/L			10/01/17 21:23	1
Allyl chloride	ND		2.0	0.38	ug/L			10/01/17 21:23	1
2,2-Dichloropropane	ND		1.0	0.34	ug/L			10/01/17 21:23	1
2-Chlorotoluene	ND		1.0	0.28	ug/L			10/01/17 21:23	1
2-Hexanone	ND		10	1.2	ug/L			10/01/17 21:23	1
Bromobenzene	ND		1.0	0.31	ug/L			10/01/17 21:23	1
Bromochloromethane	ND		1.0	0.47	ug/L			10/01/17 21:23	1
4-Chlorotoluene	ND		1.0	0.23	ug/L			10/01/17 21:23	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/01/17 21:23	1
Acetone	ND		10	1.8	ug/L			10/01/17 21:23	1
Benzene	ND		1.0	0.28	ug/L			10/01/17 21:23	1
Bromoform	ND		1.0	0.43	ug/L			10/01/17 21:23	1
Bromomethane	ND		1.0	0.42	ug/L			10/01/17 21:23	1
Carbon disulfide	ND		1.0	0.34	ug/L			10/01/17 21:23	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			10/01/17 21:23	1
Chlorobenzene	ND		1.0	0.32	ug/L			10/01/17 21:23	1
Chloroethane	ND		1.0	0.41	ug/L			10/01/17 21:23	1
Chloroform	ND		1.0	0.31	ug/L			10/01/17 21:23	1
Chloromethane	ND		1.0	0.43	ug/L			10/01/17 21:23	1
cis-1,2-Dichloroethene	1.5		1.0	0.30	ug/L			10/01/17 21:23	1
cis-1,3-Dichloropropene	ND		1.0	0.26	ug/L			10/01/17 21:23	1
Cyclohexane	ND		1.0	0.44	ug/L			10/01/17 21:23	1
Hexachlorobutadiene	ND		1.0	0.36	ug/L			10/01/17 21:23	1
Dibromomethane	ND		1.0	0.46	ug/L			10/01/17 21:23	1
Bromodichloromethane	ND		1.0	0.30	ug/L			10/01/17 21:23	1
Dichlorodifluoromethane	ND	*	1.0	0.50	ug/L			10/01/17 21:23	1
Dichlorofluoromethane	ND		2.0	0.43	ug/L			10/01/17 21:23	1
Ethyl ether	ND		2.0	0.35	ug/L			10/01/17 21:23	1
Ethylbenzene	ND		1.0	0.26	ug/L			10/01/17 21:23	1
1,2-Dibromoethane	ND		1.0	0.23	ug/L			10/01/17 21:23	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-22-(20170919)

Lab Sample ID: 240-85395-13

Date Collected: 09/19/17 12:00

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.25	ug/L			10/01/17 21:23	1
m-Xylene & p-Xylene	ND		2.0	0.24	ug/L			10/01/17 21:23	1
n-Butylbenzene	ND		1.0	0.21	ug/L			10/01/17 21:23	1
Isopropylbenzene	ND		1.0	0.21	ug/L			10/01/17 21:23	1
Methyl acetate	ND		10	1.4	ug/L			10/01/17 21:23	1
N-Propylbenzene	ND		1.0	0.45	ug/L			10/01/17 21:23	1
2-Butanone (MEK)	ND		10	1.0	ug/L			10/01/17 21:23	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.71	ug/L			10/01/17 21:23	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/01/17 21:23	1
Methyl tert butyl ether	ND		1.0	0.27	ug/L			10/01/17 21:23	1
Methylene Chloride	ND		1.0	0.53	ug/L			10/01/17 21:23	1
o-Xylene	ND		1.0	0.28	ug/L			10/01/17 21:23	1
Styrene	ND		1.0	0.23	ug/L			10/01/17 21:23	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/01/17 21:23	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/01/17 21:23	1
Tetrahydrofuran	ND		5.0	0.84	ug/L			10/01/17 21:23	1
Toluene	ND *		1.0	0.23	ug/L			10/01/17 21:23	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			10/01/17 21:23	1
trans-1,3-Dichloropropene	ND		1.0	0.31	ug/L			10/01/17 21:23	1
Trichloroethene	ND		1.0	0.33	ug/L			10/01/17 21:23	1
Trichlorofluoromethane	ND		1.0	0.50	ug/L			10/01/17 21:23	1
Vinyl chloride	ND		1.0	0.45	ug/L			10/01/17 21:23	1
Methylcyclohexane	ND		1.0	0.45	ug/L			10/01/17 21:23	1
Chlorodibromomethane	ND		1.0	0.25	ug/L			10/01/17 21:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		61 - 138		10/01/17 21:23	1
4-Bromofluorobenzene (Surr)	91		69 - 120		10/01/17 21:23	1
Toluene-d8 (Surr)	94		73 - 120		10/01/17 21:23	1
Dibromofluoromethane (Surr)	107		69 - 124		10/01/17 21:23	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.042	ug/L		09/26/17 08:36	09/29/17 16:30	1
Acenaphthylene	ND		0.19	0.046	ug/L		09/26/17 08:36	09/29/17 16:30	1
Acetophenone	ND		0.95	0.32	ug/L		09/26/17 08:36	09/29/17 16:30	1
Anthracene	ND		0.19	0.084	ug/L		09/26/17 08:36	09/29/17 16:30	1
Atrazine	ND		1.9	0.32	ug/L		09/26/17 08:36	09/29/17 16:30	1
Benzaldehyde	ND		1.9	0.37	ug/L		09/26/17 08:36	09/29/17 16:30	1
Benzo[a]anthracene	ND		0.19	0.028	ug/L		09/26/17 08:36	09/29/17 16:30	1
Benzo[b]fluoranthene	ND		0.19	0.038	ug/L		09/26/17 08:36	09/29/17 16:30	1
Benzo[k]fluoranthene	ND		0.19	0.043	ug/L		09/26/17 08:36	09/29/17 16:30	1
Benzo[g,h,i]perylene	ND		0.19	0.044	ug/L		09/26/17 08:36	09/29/17 16:30	1
Benzo[a]pyrene	ND		0.19	0.049	ug/L		09/26/17 08:36	09/29/17 16:30	1
Butyl benzyl phthalate	ND		1.9	0.25	ug/L		09/26/17 08:36	09/29/17 16:30	1
1,1'-Biphenyl	ND		0.95	0.12	ug/L		09/26/17 08:36	09/29/17 16:30	1
Bis(2-chloroethoxy)methane	ND		0.95	0.30	ug/L		09/26/17 08:36	09/29/17 16:30	1
Bis(2-chloroethyl)ether	ND		0.95	0.095	ug/L		09/26/17 08:36	09/29/17 16:30	1
Bis(2-ethylhexyl) phthalate	ND		4.8	1.6	ug/L		09/26/17 08:36	09/29/17 16:30	1
4-Bromophenyl phenyl ether	ND		1.9	0.21	ug/L		09/26/17 08:36	09/29/17 16:30	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-22-(20170919)

Lab Sample ID: 240-85395-13

Date Collected: 09/19/17 12:00

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Caprolactam	ND		4.8	0.19	ug/L		09/26/17 08:36	09/29/17 16:30	1
Carbazole	ND		0.95	0.27	ug/L		09/26/17 08:36	09/29/17 16:30	1
4-Chloroaniline	ND		1.9	0.20	ug/L		09/26/17 08:36	09/29/17 16:30	1
4-Chloro-3-methylphenol	ND		1.9	0.20	ug/L		09/26/17 08:36	09/29/17 16:30	1
2-Chloronaphthalene	ND		0.95	0.095	ug/L		09/26/17 08:36	09/29/17 16:30	1
2-Chlorophenol	ND		0.95	0.28	ug/L		09/26/17 08:36	09/29/17 16:30	1
4-Chlorophenyl phenyl ether	ND		1.9	0.29	ug/L		09/26/17 08:36	09/29/17 16:30	1
Chrysene	ND		0.19	0.048	ug/L		09/26/17 08:36	09/29/17 16:30	1
2-Methylnaphthalene	ND		0.19	0.086	ug/L		09/26/17 08:36	09/29/17 16:30	1
3 & 4 Methylphenol	ND		1.9	0.76	ug/L		09/26/17 08:36	09/29/17 16:30	1
Dibenz(a,h)anthracene	ND		0.19	0.042	ug/L		09/26/17 08:36	09/29/17 16:30	1
Dibenzofuran	ND		0.95	0.019	ug/L		09/26/17 08:36	09/29/17 16:30	1
3,3'-Dichlorobenzidine	ND		4.8	0.35	ug/L		09/26/17 08:36	09/29/17 16:30	1
2,4-Dichlorophenol	ND		1.9	0.18	ug/L		09/26/17 08:36	09/29/17 16:30	1
Diethyl phthalate	ND		1.9	0.57	ug/L		09/26/17 08:36	09/29/17 16:30	1
2,4-Dimethylphenol	ND		1.9	0.24	ug/L		09/26/17 08:36	09/29/17 16:30	1
Dimethyl phthalate	ND		1.9	0.28	ug/L		09/26/17 08:36	09/29/17 16:30	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.3	ug/L		09/26/17 08:36	09/29/17 16:30	1
2,4-Dinitrophenol	ND		4.8	0.30	ug/L		09/26/17 08:36	09/29/17 16:30	1
2,4-Dinitrotoluene	ND		4.8	0.24	ug/L		09/26/17 08:36	09/29/17 16:30	1
Di-n-butyl phthalate	ND		4.8	1.6	ug/L		09/26/17 08:36	09/29/17 16:30	1
Di-n-octyl phthalate	ND		1.9	0.22	ug/L		09/26/17 08:36	09/29/17 16:30	1
Fluoranthene	ND		0.19	0.042	ug/L		09/26/17 08:36	09/29/17 16:30	1
Fluorene	ND		0.19	0.039	ug/L		09/26/17 08:36	09/29/17 16:30	1
Hexachlorobenzene	ND		0.19	0.081	ug/L		09/26/17 08:36	09/29/17 16:30	1
Hexachlorobutadiene	ND		0.95	0.26	ug/L		09/26/17 08:36	09/29/17 16:30	1
Hexachlorocyclopentadiene	ND		9.5	0.23	ug/L		09/26/17 08:36	09/29/17 16:30	1
Hexachloroethane	ND		0.95	0.18	ug/L		09/26/17 08:36	09/29/17 16:30	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		09/26/17 08:36	09/29/17 16:30	1
Isophorone	ND		0.95	0.26	ug/L		09/26/17 08:36	09/29/17 16:30	1
2-Methylphenol	ND		0.95	0.16	ug/L		09/26/17 08:36	09/29/17 16:30	1
Naphthalene	ND		0.19	0.060	ug/L		09/26/17 08:36	09/29/17 16:30	1
2-Nitroaniline	ND		1.9	0.20	ug/L		09/26/17 08:36	09/29/17 16:30	1
3-Nitroaniline	ND		1.9	0.27	ug/L		09/26/17 08:36	09/29/17 16:30	1
4-Nitroaniline	ND		1.9	0.21	ug/L		09/26/17 08:36	09/29/17 16:30	1
Nitrobenzene	ND		0.95	0.038	ug/L		09/26/17 08:36	09/29/17 16:30	1
2-Nitrophenol	ND		1.9	0.27	ug/L		09/26/17 08:36	09/29/17 16:30	1
4-Nitrophenol	ND		4.8	0.28	ug/L		09/26/17 08:36	09/29/17 16:30	1
N-Nitrosodiphenylamine	ND		0.95	0.30	ug/L		09/26/17 08:36	09/29/17 16:30	1
N-Nitrosodi-n-propylamine	ND		0.95	0.23	ug/L		09/26/17 08:36	09/29/17 16:30	1
2,2'-oxybis[1-chloropropane]	ND		0.95	0.38	ug/L		09/26/17 08:36	09/29/17 16:30	1
Pentachlorophenol	ND		4.8	0.26	ug/L		09/26/17 08:36	09/29/17 16:30	1
Phenanthrene	ND		0.19	0.059	ug/L		09/26/17 08:36	09/29/17 16:30	1
Phenol	ND		0.95	0.57	ug/L		09/26/17 08:36	09/29/17 16:30	1
Pyrene	ND		0.19	0.040	ug/L		09/26/17 08:36	09/29/17 16:30	1
2,4,5-Trichlorophenol	ND		4.8	0.29	ug/L		09/26/17 08:36	09/29/17 16:30	1
2,4,6-Trichlorophenol	ND		4.8	0.23	ug/L		09/26/17 08:36	09/29/17 16:30	1
2,6-Dinitrotoluene	ND		4.8	0.76	ug/L		09/26/17 08:36	09/29/17 16:30	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-22-(20170919)

Lab Sample ID: 240-85395-13

Date Collected: 09/19/17 12:00

Matrix: Water

Date Received: 09/22/17 09:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	80		38 - 120	09/26/17 08:36	09/29/17 16:30	1
2-Fluorophenol (Surr)	37		10 - 120	09/26/17 08:36	09/29/17 16:30	1
2,4,6-Tribromophenol (Surr)	41		28 - 120	09/26/17 08:36	09/29/17 16:30	1
Nitrobenzene-d5 (Surr)	65		32 - 120	09/26/17 08:36	09/29/17 16:30	1
Phenol-d5 (Surr)	25		10 - 120	09/26/17 08:36	09/29/17 16:30	1
Terphenyl-d14 (Surr)	98		23 - 127	09/26/17 08:36	09/29/17 16:30	1

Method: WI-GRO - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
WI Gasoline Range Organics (C6-C10)	ND		100	20	ug/L	-		10/03/17 01:51	1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.19	0.048	ug/L	-	09/26/17 14:40	09/28/17 17:49	1
Aroclor-1221	ND		0.19	0.087	ug/L	-	09/26/17 14:40	09/28/17 17:49	1
Aroclor-1232	ND		0.19	0.067	ug/L	-	09/26/17 14:40	09/28/17 17:49	1
Aroclor-1242	ND		0.19	0.058	ug/L	-	09/26/17 14:40	09/28/17 17:49	1
Aroclor-1248	ND		0.19	0.048	ug/L	-	09/26/17 14:40	09/28/17 17:49	1
Aroclor-1254	ND		0.19	0.029	ug/L	-	09/26/17 14:40	09/28/17 17:49	1
Aroclor-1260	ND		0.19	0.038	ug/L	-	09/26/17 14:40	09/28/17 17:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	40		10 - 120	09/26/17 14:40	09/28/17 17:49	1
Tetrachloro-m-xylene	41		21 - 120	09/26/17 14:40	09/28/17 17:49	1

Method: WI-DRO - Wisconsin - Diesel Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
WI Diesel Range Organics (C10-C28)	0.063	J B	0.096	0.019	mg/L	-	09/26/17 14:46	09/27/17 20:35	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	150	J	200	2.4	ug/L	-	09/25/17 14:00	09/26/17 20:44	1
Aluminum	ND		200	40	ug/L	-	09/25/17 14:00	09/26/17 20:44	1
Cadmium	ND		5.0	0.29	ug/L	-	09/25/17 14:00	09/26/17 20:44	1
Chromium	0.58	J	10	0.55	ug/L	-	09/25/17 14:00	09/26/17 20:44	1
Silver	ND		10	0.92	ug/L	-	09/25/17 14:00	09/26/17 20:44	1
Arsenic	7.4	J	10	3.3	ug/L	-	09/25/17 14:00	09/26/17 20:44	1
Beryllium	ND		5.0	0.21	ug/L	-	09/25/17 14:00	09/26/17 20:44	1
Lead	ND		3.0	1.9	ug/L	-	09/25/17 14:00	09/26/17 20:44	1
Calcium	120000		5000	710	ug/L	-	09/25/17 14:00	09/26/17 20:44	1
Cobalt	0.85	J	7.0	0.84	ug/L	-	09/25/17 14:00	09/26/17 20:44	1
Copper	ND		25	3.9	ug/L	-	09/25/17 14:00	09/26/17 20:44	1
Iron	6700		100	25	ug/L	-	09/25/17 14:00	09/26/17 20:44	1
Potassium	3900	J	5000	70	ug/L	-	09/25/17 14:00	09/26/17 20:44	1
Magnesium	34000		5000	230	ug/L	-	09/25/17 14:00	09/26/17 20:44	1
Manganese	1700		15	5.1	ug/L	-	09/25/17 14:00	09/26/17 20:44	1
Sodium	24000		5000	330	ug/L	-	09/25/17 14:00	09/26/17 20:44	1
Nickel	ND		40	1.6	ug/L	-	09/25/17 14:00	09/26/17 20:44	1
Antimony	ND		10	3.1	ug/L	-	09/25/17 14:00	09/26/17 20:44	1
Vanadium	ND		10	4.4	ug/L	-	09/25/17 14:00	09/26/17 20:44	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-22-(20170919)

Lab Sample ID: 240-85395-13

Date Collected: 09/19/17 12:00

Matrix: Water

Date Received: 09/22/17 09:00

Method: 6010B - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		50	16	ug/L	-	09/25/17 14:00	09/26/17 20:44	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		1.0	0.20	ug/L	-	09/25/17 14:00	09/26/17 15:46	1
Selenium	ND		5.0	0.89	ug/L	-	09/25/17 14:00	09/26/17 15:46	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L	-	09/25/17 14:00	09/26/17 11:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0070	mg/L	-	09/27/17 13:01	09/28/17 16:34	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: TRIP BLANK7

Lab Sample ID: 240-85395-14

Date Collected: 09/19/17 00:00

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.46	ug/L			10/01/17 21:46	1
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			10/01/17 21:46	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.32	ug/L			10/01/17 21:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			10/01/17 21:46	1
1,1,2-Trichloroethane	ND		1.0	0.34	ug/L			10/01/17 21:46	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			10/01/17 21:46	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			10/01/17 21:46	1
1,1-Dichloropropene	ND		1.0	0.28	ug/L			10/01/17 21:46	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/01/17 21:46	1
1,2,3-Trichloropropane	ND		1.0	0.54	ug/L			10/01/17 21:46	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			10/01/17 21:46	1
1,2,4-Trimethylbenzene	ND	*	1.0	0.24	ug/L			10/01/17 21:46	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.47	ug/L			10/01/17 21:46	1
1,2-Dichlorobenzene	ND		1.0	0.26	ug/L			10/01/17 21:46	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/01/17 21:46	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/01/17 21:46	1
1,3,5-Trimethylbenzene	ND	*	1.0	0.24	ug/L			10/01/17 21:46	1
1,3-Dichlorobenzene	ND		1.0	0.32	ug/L			10/01/17 21:46	1
1,3-Dichloropropane	ND		1.0	0.29	ug/L			10/01/17 21:46	1
1,4-Dichlorobenzene	ND		1.0	0.23	ug/L			10/01/17 21:46	1
Allyl chloride	ND		2.0	0.38	ug/L			10/01/17 21:46	1
2,2-Dichloropropane	ND		1.0	0.34	ug/L			10/01/17 21:46	1
2-Chlorotoluene	ND		1.0	0.28	ug/L			10/01/17 21:46	1
2-Hexanone	ND		10	1.2	ug/L			10/01/17 21:46	1
Bromobenzene	ND		1.0	0.31	ug/L			10/01/17 21:46	1
Bromochloromethane	ND		1.0	0.47	ug/L			10/01/17 21:46	1
4-Chlorotoluene	ND		1.0	0.23	ug/L			10/01/17 21:46	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/01/17 21:46	1
Acetone	ND		10	1.8	ug/L			10/01/17 21:46	1
Benzene	ND		1.0	0.28	ug/L			10/01/17 21:46	1
Bromoform	ND		1.0	0.43	ug/L			10/01/17 21:46	1
Bromomethane	ND		1.0	0.42	ug/L			10/01/17 21:46	1
Carbon disulfide	ND		1.0	0.34	ug/L			10/01/17 21:46	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			10/01/17 21:46	1
Chlorobenzene	ND		1.0	0.32	ug/L			10/01/17 21:46	1
Chloroethane	ND		1.0	0.41	ug/L			10/01/17 21:46	1
Chloroform	ND		1.0	0.31	ug/L			10/01/17 21:46	1
Chloromethane	ND		1.0	0.43	ug/L			10/01/17 21:46	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/01/17 21:46	1
cis-1,3-Dichloropropene	ND		1.0	0.26	ug/L			10/01/17 21:46	1
Cyclohexane	ND		1.0	0.44	ug/L			10/01/17 21:46	1
Hexachlorobutadiene	ND		1.0	0.36	ug/L			10/01/17 21:46	1
Dibromomethane	ND		1.0	0.46	ug/L			10/01/17 21:46	1
Bromodichloromethane	ND		1.0	0.30	ug/L			10/01/17 21:46	1
Dichlorodifluoromethane	ND	*	1.0	0.50	ug/L			10/01/17 21:46	1
Dichlorofluoromethane	ND		2.0	0.43	ug/L			10/01/17 21:46	1
Ethyl ether	ND		2.0	0.35	ug/L			10/01/17 21:46	1
Ethylbenzene	ND		1.0	0.26	ug/L			10/01/17 21:46	1
1,2-Dibromoethane	ND		1.0	0.23	ug/L			10/01/17 21:46	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: TRIP BLANK7

Lab Sample ID: 240-85395-14

Date Collected: 09/19/17 00:00

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.25	ug/L			10/01/17 21:46	1
m-Xylene & p-Xylene	ND		2.0	0.24	ug/L			10/01/17 21:46	1
n-Butylbenzene	ND		1.0	0.21	ug/L			10/01/17 21:46	1
Isopropylbenzene	ND		1.0	0.21	ug/L			10/01/17 21:46	1
Methyl acetate	ND		10	1.4	ug/L			10/01/17 21:46	1
N-Propylbenzene	ND		1.0	0.45	ug/L			10/01/17 21:46	1
2-Butanone (MEK)	ND		10	1.0	ug/L			10/01/17 21:46	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.71	ug/L			10/01/17 21:46	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/01/17 21:46	1
Methyl tert butyl ether	ND		1.0	0.27	ug/L			10/01/17 21:46	1
Methylene Chloride	ND		1.0	0.53	ug/L			10/01/17 21:46	1
o-Xylene	ND		1.0	0.28	ug/L			10/01/17 21:46	1
Styrene	ND		1.0	0.23	ug/L			10/01/17 21:46	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/01/17 21:46	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/01/17 21:46	1
Tetrahydrofuran	ND		5.0	0.84	ug/L			10/01/17 21:46	1
Toluene	ND *		1.0	0.23	ug/L			10/01/17 21:46	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			10/01/17 21:46	1
trans-1,3-Dichloropropene	ND		1.0	0.31	ug/L			10/01/17 21:46	1
Trichloroethene	ND		1.0	0.33	ug/L			10/01/17 21:46	1
Trichlorofluoromethane	ND		1.0	0.50	ug/L			10/01/17 21:46	1
Vinyl chloride	ND		1.0	0.45	ug/L			10/01/17 21:46	1
Methylcyclohexane	ND		1.0	0.45	ug/L			10/01/17 21:46	1
Chlorodibromomethane	ND		1.0	0.25	ug/L			10/01/17 21:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		61 - 138		10/01/17 21:46	1
4-Bromofluorobenzene (Surr)	90		69 - 120		10/01/17 21:46	1
Toluene-d8 (Surr)	90		73 - 120		10/01/17 21:46	1
Dibromofluoromethane (Surr)	107		69 - 124		10/01/17 21:46	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-22B-(20170919)

Lab Sample ID: 240-85395-15

Date Collected: 09/19/17 13:00

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.46	ug/L			10/01/17 22:09	1
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			10/01/17 22:09	1
1,1,2,2-Tetrachloroethane	ND	F1	1.0	0.32	ug/L			10/01/17 22:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			10/01/17 22:09	1
1,1,2-Trichloroethane	ND		1.0	0.34	ug/L			10/01/17 22:09	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			10/01/17 22:09	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			10/01/17 22:09	1
1,1-Dichloropropene	ND		1.0	0.28	ug/L			10/01/17 22:09	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/01/17 22:09	1
1,2,3-Trichloropropane	ND		1.0	0.54	ug/L			10/01/17 22:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			10/01/17 22:09	1
1,2,4-Trimethylbenzene	ND	*	1.0	0.24	ug/L			10/01/17 22:09	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.47	ug/L			10/01/17 22:09	1
1,2-Dichlorobenzene	ND		1.0	0.26	ug/L			10/01/17 22:09	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/01/17 22:09	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/01/17 22:09	1
1,3,5-Trimethylbenzene	ND	*	1.0	0.24	ug/L			10/01/17 22:09	1
1,3-Dichlorobenzene	ND		1.0	0.32	ug/L			10/01/17 22:09	1
1,3-Dichloropropane	ND		1.0	0.29	ug/L			10/01/17 22:09	1
1,4-Dichlorobenzene	ND		1.0	0.23	ug/L			10/01/17 22:09	1
Allyl chloride	ND		2.0	0.38	ug/L			10/01/17 22:09	1
2,2-Dichloropropane	ND		1.0	0.34	ug/L			10/01/17 22:09	1
2-Chlorotoluene	ND		1.0	0.28	ug/L			10/01/17 22:09	1
2-Hexanone	ND	F2	10	1.2	ug/L			10/01/17 22:09	1
Bromobenzene	ND		1.0	0.31	ug/L			10/01/17 22:09	1
Bromochloromethane	ND		1.0	0.47	ug/L			10/01/17 22:09	1
4-Chlorotoluene	ND		1.0	0.23	ug/L			10/01/17 22:09	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/01/17 22:09	1
Acetone	ND		10	1.8	ug/L			10/01/17 22:09	1
Benzene	ND		1.0	0.28	ug/L			10/01/17 22:09	1
Bromoform	ND		1.0	0.43	ug/L			10/01/17 22:09	1
Bromomethane	ND	F2	1.0	0.42	ug/L			10/01/17 22:09	1
Carbon disulfide	ND	F1	1.0	0.34	ug/L			10/01/17 22:09	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			10/01/17 22:09	1
Chlorobenzene	ND		1.0	0.32	ug/L			10/01/17 22:09	1
Chloroethane	ND	F2	1.0	0.41	ug/L			10/01/17 22:09	1
Chloroform	ND		1.0	0.31	ug/L			10/01/17 22:09	1
Chloromethane	ND	F1	1.0	0.43	ug/L			10/01/17 22:09	1
cis-1,2-Dichloroethene	0.80	J	1.0	0.30	ug/L			10/01/17 22:09	1
cis-1,3-Dichloropropene	ND		1.0	0.26	ug/L			10/01/17 22:09	1
Cyclohexane	ND		1.0	0.44	ug/L			10/01/17 22:09	1
Hexachlorobutadiene	ND		1.0	0.36	ug/L			10/01/17 22:09	1
Dibromomethane	ND		1.0	0.46	ug/L			10/01/17 22:09	1
Bromodichloromethane	ND		1.0	0.30	ug/L			10/01/17 22:09	1
Dichlorodifluoromethane	ND	* F1	1.0	0.50	ug/L			10/01/17 22:09	1
Dichlorofluoromethane	ND		2.0	0.43	ug/L			10/01/17 22:09	1
Ethyl ether	ND		2.0	0.35	ug/L			10/01/17 22:09	1
Ethylbenzene	ND		1.0	0.26	ug/L			10/01/17 22:09	1
1,2-Dibromoethane	ND		1.0	0.23	ug/L			10/01/17 22:09	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-22B-(20170919)

Lab Sample ID: 240-85395-15

Date Collected: 09/19/17 13:00

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.25	ug/L			10/01/17 22:09	1
m-Xylene & p-Xylene	ND		2.0	0.24	ug/L			10/01/17 22:09	1
n-Butylbenzene	ND		1.0	0.21	ug/L			10/01/17 22:09	1
Isopropylbenzene	ND		1.0	0.21	ug/L			10/01/17 22:09	1
Methyl acetate	ND		10	1.4	ug/L			10/01/17 22:09	1
N-Propylbenzene	ND		1.0	0.45	ug/L			10/01/17 22:09	1
2-Butanone (MEK)	ND		10	1.0	ug/L			10/01/17 22:09	1
4-Methyl-2-pentanone (MIBK)	ND	F2	10	0.71	ug/L			10/01/17 22:09	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/01/17 22:09	1
Methyl tert butyl ether	ND		1.0	0.27	ug/L			10/01/17 22:09	1
Methylene Chloride	ND		1.0	0.53	ug/L			10/01/17 22:09	1
o-Xylene	ND		1.0	0.28	ug/L			10/01/17 22:09	1
Styrene	ND		1.0	0.23	ug/L			10/01/17 22:09	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/01/17 22:09	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/01/17 22:09	1
Tetrahydrofuran	ND		5.0	0.84	ug/L			10/01/17 22:09	1
Toluene	ND	*	1.0	0.23	ug/L			10/01/17 22:09	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			10/01/17 22:09	1
trans-1,3-Dichloropropene	ND		1.0	0.31	ug/L			10/01/17 22:09	1
Trichloroethene	ND		1.0	0.33	ug/L			10/01/17 22:09	1
Trichlorofluoromethane	ND		1.0	0.50	ug/L			10/01/17 22:09	1
Vinyl chloride	ND	F2	1.0	0.45	ug/L			10/01/17 22:09	1
Methylcyclohexane	ND		1.0	0.45	ug/L			10/01/17 22:09	1
Chlorodibromomethane	ND		1.0	0.25	ug/L			10/01/17 22:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		61 - 138		10/01/17 22:09	1
4-Bromofluorobenzene (Surr)	87		69 - 120		10/01/17 22:09	1
Toluene-d8 (Surr)	93		73 - 120		10/01/17 22:09	1
Dibromofluoromethane (Surr)	102		69 - 124		10/01/17 22:09	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.042	ug/L		09/26/17 08:36	09/28/17 19:40	1
Acenaphthylene	ND		0.19	0.046	ug/L		09/26/17 08:36	09/28/17 19:40	1
Acetophenone	ND		0.95	0.32	ug/L		09/26/17 08:36	09/28/17 19:40	1
Anthracene	ND		0.19	0.084	ug/L		09/26/17 08:36	09/28/17 19:40	1
Atrazine	ND		1.9	0.32	ug/L		09/26/17 08:36	09/28/17 19:40	1
Benzaldehyde	ND		1.9	0.37	ug/L		09/26/17 08:36	09/28/17 19:40	1
Benzo[a]anthracene	ND		0.19	0.028	ug/L		09/26/17 08:36	09/28/17 19:40	1
Benzo[b]fluoranthene	ND		0.19	0.038	ug/L		09/26/17 08:36	09/28/17 19:40	1
Benzo[k]fluoranthene	ND		0.19	0.043	ug/L		09/26/17 08:36	09/28/17 19:40	1
Benzo[g,h,i]perylene	ND		0.19	0.044	ug/L		09/26/17 08:36	09/28/17 19:40	1
Benzo[a]pyrene	ND		0.19	0.049	ug/L		09/26/17 08:36	09/28/17 19:40	1
Butyl benzyl phthalate	ND		1.9	0.25	ug/L		09/26/17 08:36	09/28/17 19:40	1
1,1'-Biphenyl	ND		0.95	0.12	ug/L		09/26/17 08:36	09/28/17 19:40	1
Bis(2-chloroethoxy)methane	ND		0.95	0.30	ug/L		09/26/17 08:36	09/28/17 19:40	1
Bis(2-chloroethyl)ether	ND		0.95	0.095	ug/L		09/26/17 08:36	09/28/17 19:40	1
Bis(2-ethylhexyl) phthalate	ND		4.8	1.6	ug/L		09/26/17 08:36	09/28/17 19:40	1
4-Bromophenyl phenyl ether	ND		1.9	0.21	ug/L		09/26/17 08:36	09/28/17 19:40	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-22B-(20170919)

Lab Sample ID: 240-85395-15

Date Collected: 09/19/17 13:00

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Caprolactam	ND		4.8	0.19	ug/L		09/26/17 08:36	09/28/17 19:40	1
Carbazole	ND		0.95	0.27	ug/L		09/26/17 08:36	09/28/17 19:40	1
4-Chloroaniline	ND		1.9	0.20	ug/L		09/26/17 08:36	09/28/17 19:40	1
4-Chloro-3-methylphenol	ND		1.9	0.20	ug/L		09/26/17 08:36	09/28/17 19:40	1
2-Chloronaphthalene	ND		0.95	0.095	ug/L		09/26/17 08:36	09/28/17 19:40	1
2-Chlorophenol	ND		0.95	0.28	ug/L		09/26/17 08:36	09/28/17 19:40	1
4-Chlorophenyl phenyl ether	ND		1.9	0.29	ug/L		09/26/17 08:36	09/28/17 19:40	1
Chrysene	ND		0.19	0.048	ug/L		09/26/17 08:36	09/28/17 19:40	1
2-Methylnaphthalene	ND		0.19	0.086	ug/L		09/26/17 08:36	09/28/17 19:40	1
3 & 4 Methylphenol	ND		1.9	0.76	ug/L		09/26/17 08:36	09/28/17 19:40	1
Dibenz(a,h)anthracene	ND		0.19	0.042	ug/L		09/26/17 08:36	09/28/17 19:40	1
Dibenzofuran	ND		0.95	0.019	ug/L		09/26/17 08:36	09/28/17 19:40	1
3,3'-Dichlorobenzidine	ND		4.8	0.35	ug/L		09/26/17 08:36	09/28/17 19:40	1
2,4-Dichlorophenol	ND		1.9	0.18	ug/L		09/26/17 08:36	09/28/17 19:40	1
Diethyl phthalate	ND		1.9	0.57	ug/L		09/26/17 08:36	09/28/17 19:40	1
2,4-Dimethylphenol	ND		1.9	0.24	ug/L		09/26/17 08:36	09/28/17 19:40	1
Dimethyl phthalate	ND		1.9	0.28	ug/L		09/26/17 08:36	09/28/17 19:40	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.3	ug/L		09/26/17 08:36	09/28/17 19:40	1
2,4-Dinitrophenol	ND		4.8	0.30	ug/L		09/26/17 08:36	09/28/17 19:40	1
2,4-Dinitrotoluene	ND		4.8	0.24	ug/L		09/26/17 08:36	09/28/17 19:40	1
Di-n-butyl phthalate	ND		4.8	1.6	ug/L		09/26/17 08:36	09/28/17 19:40	1
Di-n-octyl phthalate	ND		1.9	0.22	ug/L		09/26/17 08:36	09/28/17 19:40	1
Fluoranthene	ND		0.19	0.042	ug/L		09/26/17 08:36	09/28/17 19:40	1
Fluorene	ND		0.19	0.039	ug/L		09/26/17 08:36	09/28/17 19:40	1
Hexachlorobenzene	ND		0.19	0.081	ug/L		09/26/17 08:36	09/28/17 19:40	1
Hexachlorobutadiene	ND		0.95	0.26	ug/L		09/26/17 08:36	09/28/17 19:40	1
Hexachlorocyclopentadiene	ND		9.5	0.23	ug/L		09/26/17 08:36	09/28/17 19:40	1
Hexachloroethane	ND		0.95	0.18	ug/L		09/26/17 08:36	09/28/17 19:40	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		09/26/17 08:36	09/28/17 19:40	1
Isophorone	ND		0.95	0.26	ug/L		09/26/17 08:36	09/28/17 19:40	1
2-Methylphenol	ND		0.95	0.16	ug/L		09/26/17 08:36	09/28/17 19:40	1
Naphthalene	ND		0.19	0.060	ug/L		09/26/17 08:36	09/28/17 19:40	1
2-Nitroaniline	ND		1.9	0.20	ug/L		09/26/17 08:36	09/28/17 19:40	1
3-Nitroaniline	ND		1.9	0.27	ug/L		09/26/17 08:36	09/28/17 19:40	1
4-Nitroaniline	ND		1.9	0.21	ug/L		09/26/17 08:36	09/28/17 19:40	1
Nitrobenzene	ND		0.95	0.038	ug/L		09/26/17 08:36	09/28/17 19:40	1
2-Nitrophenol	ND		1.9	0.27	ug/L		09/26/17 08:36	09/28/17 19:40	1
4-Nitrophenol	ND		4.8	0.28	ug/L		09/26/17 08:36	09/28/17 19:40	1
N-Nitrosodiphenylamine	ND		0.95	0.30	ug/L		09/26/17 08:36	09/28/17 19:40	1
N-Nitrosodi-n-propylamine	ND		0.95	0.23	ug/L		09/26/17 08:36	09/28/17 19:40	1
2,2'-oxybis[1-chloropropane]	ND		0.95	0.38	ug/L		09/26/17 08:36	09/28/17 19:40	1
Pentachlorophenol	ND		4.8	0.26	ug/L		09/26/17 08:36	09/28/17 19:40	1
Phenanthrene	ND		0.19	0.059	ug/L		09/26/17 08:36	09/28/17 19:40	1
Phenol	ND		0.95	0.57	ug/L		09/26/17 08:36	09/28/17 19:40	1
Pyrene	ND		0.19	0.040	ug/L		09/26/17 08:36	09/28/17 19:40	1
2,4,5-Trichlorophenol	ND		4.8	0.29	ug/L		09/26/17 08:36	09/28/17 19:40	1
2,4,6-Trichlorophenol	ND		4.8	0.23	ug/L		09/26/17 08:36	09/28/17 19:40	1
2,6-Dinitrotoluene	ND		4.8	0.76	ug/L		09/26/17 08:36	09/28/17 19:40	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-22B-(20170919)

Lab Sample ID: 240-85395-15

Date Collected: 09/19/17 13:00

Matrix: Water

Date Received: 09/22/17 09:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	82		38 - 120	09/26/17 08:36	09/28/17 19:40	1
2-Fluorophenol (Surr)	40		10 - 120	09/26/17 08:36	09/28/17 19:40	1
2,4,6-Tribromophenol (Surr)	68		28 - 120	09/26/17 08:36	09/28/17 19:40	1
Nitrobenzene-d5 (Surr)	67		32 - 120	09/26/17 08:36	09/28/17 19:40	1
Phenol-d5 (Surr)	22		10 - 120	09/26/17 08:36	09/28/17 19:40	1
Terphenyl-d14 (Surr)	88		23 - 127	09/26/17 08:36	09/28/17 19:40	1

Method: WI-GRO - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
WI Gasoline Range Organics (C6-C10)	ND		100	20	ug/L			10/03/17 02:31	1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.19	0.048	ug/L		09/26/17 14:40	09/28/17 18:08	1
Aroclor-1221	ND		0.19	0.087	ug/L		09/26/17 14:40	09/28/17 18:08	1
Aroclor-1232	ND		0.19	0.067	ug/L		09/26/17 14:40	09/28/17 18:08	1
Aroclor-1242	ND		0.19	0.058	ug/L		09/26/17 14:40	09/28/17 18:08	1
Aroclor-1248	ND		0.19	0.048	ug/L		09/26/17 14:40	09/28/17 18:08	1
Aroclor-1254	ND		0.19	0.029	ug/L		09/26/17 14:40	09/28/17 18:08	1
Aroclor-1260	ND		0.19	0.038	ug/L		09/26/17 14:40	09/28/17 18:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	37		10 - 120	09/26/17 14:40	09/28/17 18:08	1
Tetrachloro-m-xylene	42		21 - 120	09/26/17 14:40	09/28/17 18:08	1

Method: WI-DRO - Wisconsin - Diesel Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
WI Diesel Range Organics (C10-C28)	0.055	J B	0.096	0.019	mg/L		09/26/17 14:46	09/27/17 21:03	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	180	J	200	2.4	ug/L		09/25/17 14:00	09/26/17 13:27	1
Aluminum	ND		200	40	ug/L		09/25/17 14:00	09/26/17 13:27	1
Cadmium	ND		5.0	0.29	ug/L		09/25/17 14:00	09/26/17 13:27	1
Chromium	1.1	J	10	0.55	ug/L		09/25/17 14:00	09/26/17 13:27	1
Silver	ND		10	0.92	ug/L		09/25/17 14:00	09/26/17 13:27	1
Arsenic	ND		10	3.3	ug/L		09/25/17 14:00	09/26/17 13:27	1
Beryllium	ND		5.0	0.21	ug/L		09/25/17 14:00	09/26/17 13:27	1
Lead	ND		3.0	1.9	ug/L		09/25/17 14:00	09/26/17 13:27	1
Calcium	79000		5000	710	ug/L		09/25/17 14:00	09/26/17 13:27	1
Cobalt	ND		7.0	0.84	ug/L		09/25/17 14:00	09/26/17 13:27	1
Copper	ND		25	3.9	ug/L		09/25/17 14:00	09/26/17 13:27	1
Iron	3100		100	25	ug/L		09/25/17 14:00	09/26/17 13:27	1
Potassium	2200	J	5000	70	ug/L		09/25/17 14:00	09/26/17 13:27	1
Magnesium	30000		5000	230	ug/L		09/25/17 14:00	09/26/17 13:27	1
Manganese	170		15	5.1	ug/L		09/25/17 14:00	09/26/17 13:27	1
Sodium	5900		5000	330	ug/L		09/25/17 14:00	09/26/17 13:27	1
Nickel	ND		40	1.6	ug/L		09/25/17 14:00	09/26/17 13:27	1
Antimony	ND		10	3.1	ug/L		09/25/17 14:00	09/26/17 13:27	1
Vanadium	ND		10	4.4	ug/L		09/25/17 14:00	09/26/17 13:27	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-22B-(20170919)

Lab Sample ID: 240-85395-15

Date Collected: 09/19/17 13:00

Matrix: Water

Date Received: 09/22/17 09:00

Method: 6010B - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		50	16	ug/L	-	09/25/17 14:00	09/26/17 13:27	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.21	J	1.0	0.20	ug/L	-	09/25/17 14:00	09/26/17 14:08	1
Selenium	ND		5.0	0.89	ug/L	-	09/25/17 14:00	09/26/17 14:08	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L	-	09/25/17 14:00	09/26/17 11:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0070	mg/L	-	09/27/17 13:01	09/28/17 16:38	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: TRIP BLANK8

Lab Sample ID: 240-85395-16

Date Collected: 09/19/17 00:00

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.46	ug/L			10/02/17 01:35	1
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			10/02/17 01:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.32	ug/L			10/02/17 01:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			10/02/17 01:35	1
1,1,2-Trichloroethane	ND		1.0	0.34	ug/L			10/02/17 01:35	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			10/02/17 01:35	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			10/02/17 01:35	1
1,1-Dichloropropene	ND		1.0	0.28	ug/L			10/02/17 01:35	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/02/17 01:35	1
1,2,3-Trichloropropane	ND		1.0	0.54	ug/L			10/02/17 01:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			10/02/17 01:35	1
1,2,4-Trimethylbenzene	ND		1.0	0.24	ug/L			10/02/17 01:35	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.47	ug/L			10/02/17 01:35	1
1,2-Dichlorobenzene	ND		1.0	0.26	ug/L			10/02/17 01:35	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/02/17 01:35	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/02/17 01:35	1
1,3,5-Trimethylbenzene	ND		1.0	0.24	ug/L			10/02/17 01:35	1
1,3-Dichlorobenzene	ND		1.0	0.32	ug/L			10/02/17 01:35	1
1,3-Dichloropropane	ND		1.0	0.29	ug/L			10/02/17 01:35	1
1,4-Dichlorobenzene	ND		1.0	0.23	ug/L			10/02/17 01:35	1
Allyl chloride	ND		2.0	0.38	ug/L			10/02/17 01:35	1
2,2-Dichloropropane	ND		1.0	0.34	ug/L			10/02/17 01:35	1
2-Chlorotoluene	ND		1.0	0.28	ug/L			10/02/17 01:35	1
2-Hexanone	ND		10	1.2	ug/L			10/02/17 01:35	1
Bromobenzene	ND		1.0	0.31	ug/L			10/02/17 01:35	1
Bromochloromethane	ND		1.0	0.47	ug/L			10/02/17 01:35	1
4-Chlorotoluene	ND		1.0	0.23	ug/L			10/02/17 01:35	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/02/17 01:35	1
Acetone	87	E	10	1.8	ug/L			10/02/17 01:35	1
Benzene	ND		1.0	0.28	ug/L			10/02/17 01:35	1
Bromoform	ND		1.0	0.43	ug/L			10/02/17 01:35	1
Bromomethane	ND		1.0	0.42	ug/L			10/02/17 01:35	1
Carbon disulfide	ND		1.0	0.34	ug/L			10/02/17 01:35	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			10/02/17 01:35	1
Chlorobenzene	ND		1.0	0.32	ug/L			10/02/17 01:35	1
Chloroethane	ND		1.0	0.41	ug/L			10/02/17 01:35	1
Chloroform	ND		1.0	0.31	ug/L			10/02/17 01:35	1
Chloromethane	ND		1.0	0.43	ug/L			10/02/17 01:35	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/02/17 01:35	1
cis-1,3-Dichloropropene	ND		1.0	0.26	ug/L			10/02/17 01:35	1
Cyclohexane	ND		1.0	0.44	ug/L			10/02/17 01:35	1
Hexachlorobutadiene	ND		1.0	0.36	ug/L			10/02/17 01:35	1
Dibromomethane	ND		1.0	0.46	ug/L			10/02/17 01:35	1
Bromodichloromethane	ND		1.0	0.30	ug/L			10/02/17 01:35	1
Dichlorodifluoromethane	ND		1.0	0.50	ug/L			10/02/17 01:35	1
Dichlorofluoromethane	ND		2.0	0.43	ug/L			10/02/17 01:35	1
Ethyl ether	ND	*	2.0	0.35	ug/L			10/02/17 01:35	1
Ethylbenzene	ND		1.0	0.26	ug/L			10/02/17 01:35	1
1,2-Dibromoethane	ND		1.0	0.23	ug/L			10/02/17 01:35	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: TRIP BLANK8

Lab Sample ID: 240-85395-16

Date Collected: 09/19/17 00:00

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.25	ug/L			10/02/17 01:35	1
m-Xylene & p-Xylene	ND		2.0	0.24	ug/L			10/02/17 01:35	1
n-Butylbenzene	ND		1.0	0.21	ug/L			10/02/17 01:35	1
Isopropylbenzene	ND		1.0	0.21	ug/L			10/02/17 01:35	1
Methyl acetate	ND		10	1.4	ug/L			10/02/17 01:35	1
N-Propylbenzene	ND		1.0	0.45	ug/L			10/02/17 01:35	1
2-Butanone (MEK)	1.5	J	10	1.0	ug/L			10/02/17 01:35	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.71	ug/L			10/02/17 01:35	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/02/17 01:35	1
Methyl tert butyl ether	ND		1.0	0.27	ug/L			10/02/17 01:35	1
Methylene Chloride	ND		1.0	0.53	ug/L			10/02/17 01:35	1
o-Xylene	ND		1.0	0.28	ug/L			10/02/17 01:35	1
Styrene	ND		1.0	0.23	ug/L			10/02/17 01:35	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/02/17 01:35	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/02/17 01:35	1
Tetrahydrofuran	ND		5.0	0.84	ug/L			10/02/17 01:35	1
Toluene	ND		1.0	0.23	ug/L			10/02/17 01:35	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			10/02/17 01:35	1
trans-1,3-Dichloropropene	ND		1.0	0.31	ug/L			10/02/17 01:35	1
Trichloroethene	ND		1.0	0.33	ug/L			10/02/17 01:35	1
Trichlorofluoromethane	ND		1.0	0.50	ug/L			10/02/17 01:35	1
Vinyl chloride	ND		1.0	0.45	ug/L			10/02/17 01:35	1
Methylcyclohexane	ND		1.0	0.45	ug/L			10/02/17 01:35	1
Chlorodibromomethane	ND		1.0	0.25	ug/L			10/02/17 01:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		61 - 138		10/02/17 01:35	1
4-Bromofluorobenzene (Surr)	99		69 - 120		10/02/17 01:35	1
Toluene-d8 (Surr)	104		73 - 120		10/02/17 01:35	1
Dibromofluoromethane (Surr)	98		69 - 124		10/02/17 01:35	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-23-(20170920)

Lab Sample ID: 240-85395-17

Date Collected: 09/20/17 13:00

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.46	ug/L			10/02/17 16:38	1
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			10/02/17 16:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.32	ug/L			10/02/17 16:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			10/02/17 16:38	1
1,1,2-Trichloroethane	ND		1.0	0.34	ug/L			10/02/17 16:38	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			10/02/17 16:38	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			10/02/17 16:38	1
1,1-Dichloropropene	ND		1.0	0.28	ug/L			10/02/17 16:38	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/02/17 16:38	1
1,2,3-Trichloropropane	ND		1.0	0.54	ug/L			10/02/17 16:38	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			10/02/17 16:38	1
1,2,4-Trimethylbenzene	ND		1.0	0.24	ug/L			10/02/17 16:38	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.47	ug/L			10/02/17 16:38	1
1,2-Dichlorobenzene	ND		1.0	0.26	ug/L			10/02/17 16:38	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/02/17 16:38	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/02/17 16:38	1
1,3,5-Trimethylbenzene	ND		1.0	0.24	ug/L			10/02/17 16:38	1
1,3-Dichlorobenzene	ND		1.0	0.32	ug/L			10/02/17 16:38	1
1,3-Dichloropropane	ND		1.0	0.29	ug/L			10/02/17 16:38	1
1,4-Dichlorobenzene	ND		1.0	0.23	ug/L			10/02/17 16:38	1
Allyl chloride	ND		2.0	0.38	ug/L			10/02/17 16:38	1
2,2-Dichloropropane	ND		1.0	0.34	ug/L			10/02/17 16:38	1
2-Chlorotoluene	ND		1.0	0.28	ug/L			10/02/17 16:38	1
2-Hexanone	ND		10	1.2	ug/L			10/02/17 16:38	1
Bromobenzene	ND		1.0	0.31	ug/L			10/02/17 16:38	1
Bromochloromethane	ND		1.0	0.47	ug/L			10/02/17 16:38	1
4-Chlorotoluene	ND		1.0	0.23	ug/L			10/02/17 16:38	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/02/17 16:38	1
Acetone	1.9	J	10	1.8	ug/L			10/02/17 16:38	1
Benzene	ND		1.0	0.28	ug/L			10/02/17 16:38	1
Bromoform	ND		1.0	0.43	ug/L			10/02/17 16:38	1
Bromomethane	ND		1.0	0.42	ug/L			10/02/17 16:38	1
Carbon disulfide	ND		1.0	0.34	ug/L			10/02/17 16:38	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			10/02/17 16:38	1
Chlorobenzene	ND		1.0	0.32	ug/L			10/02/17 16:38	1
Chloroethane	ND		1.0	0.41	ug/L			10/02/17 16:38	1
Chloroform	ND		1.0	0.31	ug/L			10/02/17 16:38	1
Chloromethane	ND		1.0	0.43	ug/L			10/02/17 16:38	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/02/17 16:38	1
cis-1,3-Dichloropropene	ND		1.0	0.26	ug/L			10/02/17 16:38	1
Cyclohexane	ND		1.0	0.44	ug/L			10/02/17 16:38	1
Hexachlorobutadiene	ND		1.0	0.36	ug/L			10/02/17 16:38	1
Dibromomethane	ND		1.0	0.46	ug/L			10/02/17 16:38	1
Bromodichloromethane	ND		1.0	0.30	ug/L			10/02/17 16:38	1
Dichlorodifluoromethane	ND		1.0	0.50	ug/L			10/02/17 16:38	1
Dichlorofluoromethane	ND		2.0	0.43	ug/L			10/02/17 16:38	1
Ethyl ether	ND		2.0	0.35	ug/L			10/02/17 16:38	1
Ethylbenzene	ND		1.0	0.26	ug/L			10/02/17 16:38	1
1,2-Dibromoethane	ND		1.0	0.23	ug/L			10/02/17 16:38	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-23-(20170920)

Lab Sample ID: 240-85395-17

Date Collected: 09/20/17 13:00

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.25	ug/L			10/02/17 16:38	1
m-Xylene & p-Xylene	ND		2.0	0.24	ug/L			10/02/17 16:38	1
n-Butylbenzene	ND		1.0	0.21	ug/L			10/02/17 16:38	1
Isopropylbenzene	ND		1.0	0.21	ug/L			10/02/17 16:38	1
Methyl acetate	ND		10	1.4	ug/L			10/02/17 16:38	1
N-Propylbenzene	ND		1.0	0.45	ug/L			10/02/17 16:38	1
2-Butanone (MEK)	ND		10	1.0	ug/L			10/02/17 16:38	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.71	ug/L			10/02/17 16:38	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/02/17 16:38	1
Methyl tert butyl ether	ND		1.0	0.27	ug/L			10/02/17 16:38	1
Methylene Chloride	ND		1.0	0.53	ug/L			10/02/17 16:38	1
o-Xylene	ND		1.0	0.28	ug/L			10/02/17 16:38	1
Styrene	ND		1.0	0.23	ug/L			10/02/17 16:38	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/02/17 16:38	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/02/17 16:38	1
Tetrahydrofuran	ND		5.0	0.84	ug/L			10/02/17 16:38	1
Toluene	ND		1.0	0.23	ug/L			10/02/17 16:38	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			10/02/17 16:38	1
trans-1,3-Dichloropropene	ND		1.0	0.31	ug/L			10/02/17 16:38	1
Trichloroethene	ND		1.0	0.33	ug/L			10/02/17 16:38	1
Trichlorofluoromethane	ND		1.0	0.50	ug/L			10/02/17 16:38	1
Vinyl chloride	ND		1.0	0.45	ug/L			10/02/17 16:38	1
Methylcyclohexane	ND		1.0	0.45	ug/L			10/02/17 16:38	1
Chlorodibromomethane	ND		1.0	0.25	ug/L			10/02/17 16:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	121		61 - 138		10/02/17 16:38	1
4-Bromofluorobenzene (Surr)	102		69 - 120		10/02/17 16:38	1
Toluene-d8 (Surr)	104		73 - 120		10/02/17 16:38	1
Dibromofluoromethane (Surr)	125	X	69 - 124		10/02/17 16:38	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.042	ug/L		09/27/17 09:28	09/29/17 14:28	1
Acenaphthylene	ND		0.19	0.046	ug/L		09/27/17 09:28	09/29/17 14:28	1
Acetophenone	ND		0.95	0.32	ug/L		09/27/17 09:28	09/29/17 14:28	1
Anthracene	ND		0.19	0.084	ug/L		09/27/17 09:28	09/29/17 14:28	1
Atrazine	ND		1.9	0.32	ug/L		09/27/17 09:28	09/29/17 14:28	1
Benzaldehyde	ND		1.9	0.37	ug/L		09/27/17 09:28	09/29/17 14:28	1
Benzo[a]anthracene	ND		0.19	0.028	ug/L		09/27/17 09:28	09/29/17 14:28	1
Benzo[b]fluoranthene	ND		0.19	0.038	ug/L		09/27/17 09:28	09/29/17 14:28	1
Benzo[k]fluoranthene	ND		0.19	0.043	ug/L		09/27/17 09:28	09/29/17 14:28	1
Benzo[g,h,i]perylene	ND		0.19	0.044	ug/L		09/27/17 09:28	09/29/17 14:28	1
Benzo[a]pyrene	ND		0.19	0.049	ug/L		09/27/17 09:28	09/29/17 14:28	1
Butyl benzyl phthalate	ND		1.9	0.25	ug/L		09/27/17 09:28	09/29/17 14:28	1
1,1'-Biphenyl	ND		0.95	0.12	ug/L		09/27/17 09:28	09/29/17 14:28	1
Bis(2-chloroethoxy)methane	ND		0.95	0.30	ug/L		09/27/17 09:28	09/29/17 14:28	1
Bis(2-chloroethyl)ether	ND		0.95	0.095	ug/L		09/27/17 09:28	09/29/17 14:28	1
Bis(2-ethylhexyl) phthalate	ND		4.8	1.6	ug/L		09/27/17 09:28	09/29/17 14:28	1
4-Bromophenyl phenyl ether	ND		1.9	0.21	ug/L		09/27/17 09:28	09/29/17 14:28	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-23-(20170920)

Lab Sample ID: 240-85395-17

Date Collected: 09/20/17 13:00

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Caprolactam	ND		4.8	0.19	ug/L		09/27/17 09:28	09/29/17 14:28	1
Carbazole	ND		0.95	0.27	ug/L		09/27/17 09:28	09/29/17 14:28	1
4-Chloroaniline	ND		1.9	0.20	ug/L		09/27/17 09:28	09/29/17 14:28	1
4-Chloro-3-methylphenol	ND		1.9	0.20	ug/L		09/27/17 09:28	09/29/17 14:28	1
2-Chloronaphthalene	ND		0.95	0.095	ug/L		09/27/17 09:28	09/29/17 14:28	1
2-Chlorophenol	ND		0.95	0.28	ug/L		09/27/17 09:28	09/29/17 14:28	1
4-Chlorophenyl phenyl ether	ND		1.9	0.29	ug/L		09/27/17 09:28	09/29/17 14:28	1
Chrysene	ND		0.19	0.048	ug/L		09/27/17 09:28	09/29/17 14:28	1
2-Methylnaphthalene	ND		0.19	0.086	ug/L		09/27/17 09:28	09/29/17 14:28	1
3 & 4 Methylphenol	ND		1.9	0.76	ug/L		09/27/17 09:28	09/29/17 14:28	1
Dibenz(a,h)anthracene	ND		0.19	0.042	ug/L		09/27/17 09:28	09/29/17 14:28	1
Dibenzofuran	ND		0.95	0.019	ug/L		09/27/17 09:28	09/29/17 14:28	1
3,3'-Dichlorobenzidine	ND		4.8	0.35	ug/L		09/27/17 09:28	09/29/17 14:28	1
2,4-Dichlorophenol	ND		1.9	0.18	ug/L		09/27/17 09:28	09/29/17 14:28	1
Diethyl phthalate	0.92	J B	1.9	0.57	ug/L		09/27/17 09:28	09/29/17 14:28	1
2,4-Dimethylphenol	ND		1.9	0.24	ug/L		09/27/17 09:28	09/29/17 14:28	1
Dimethyl phthalate	ND		1.9	0.28	ug/L		09/27/17 09:28	09/29/17 14:28	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.3	ug/L		09/27/17 09:28	09/29/17 14:28	1
2,4-Dinitrophenol	ND		4.8	0.30	ug/L		09/27/17 09:28	09/29/17 14:28	1
2,4-Dinitrotoluene	ND		4.8	0.24	ug/L		09/27/17 09:28	09/29/17 14:28	1
Di-n-butyl phthalate	ND		4.8	1.6	ug/L		09/27/17 09:28	09/29/17 14:28	1
Di-n-octyl phthalate	ND		1.9	0.22	ug/L		09/27/17 09:28	09/29/17 14:28	1
Fluoranthene	ND		0.19	0.042	ug/L		09/27/17 09:28	09/29/17 14:28	1
Fluorene	ND		0.19	0.039	ug/L		09/27/17 09:28	09/29/17 14:28	1
Hexachlorobenzene	ND		0.19	0.081	ug/L		09/27/17 09:28	09/29/17 14:28	1
Hexachlorobutadiene	ND		0.95	0.26	ug/L		09/27/17 09:28	09/29/17 14:28	1
Hexachlorocyclopentadiene	ND		9.5	0.23	ug/L		09/27/17 09:28	09/29/17 14:28	1
Hexachloroethane	ND		0.95	0.18	ug/L		09/27/17 09:28	09/29/17 14:28	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		09/27/17 09:28	09/29/17 14:28	1
Isophorone	ND		0.95	0.26	ug/L		09/27/17 09:28	09/29/17 14:28	1
2-Methylphenol	ND		0.95	0.16	ug/L		09/27/17 09:28	09/29/17 14:28	1
Naphthalene	ND		0.19	0.060	ug/L		09/27/17 09:28	09/29/17 14:28	1
2-Nitroaniline	ND *		1.9	0.20	ug/L		09/27/17 09:28	09/29/17 14:28	1
3-Nitroaniline	ND		1.9	0.27	ug/L		09/27/17 09:28	09/29/17 14:28	1
4-Nitroaniline	ND		1.9	0.21	ug/L		09/27/17 09:28	09/29/17 14:28	1
Nitrobenzene	ND		0.95	0.038	ug/L		09/27/17 09:28	09/29/17 14:28	1
2-Nitrophenol	ND		1.9	0.27	ug/L		09/27/17 09:28	09/29/17 14:28	1
4-Nitrophenol	ND		4.8	0.28	ug/L		09/27/17 09:28	09/29/17 14:28	1
N-Nitrosodiphenylamine	ND		0.95	0.30	ug/L		09/27/17 09:28	09/29/17 14:28	1
N-Nitrosodi-n-propylamine	ND		0.95	0.23	ug/L		09/27/17 09:28	09/29/17 14:28	1
2,2'-oxybis[1-chloropropane]	ND		0.95	0.38	ug/L		09/27/17 09:28	09/29/17 14:28	1
Pentachlorophenol	ND		4.8	0.26	ug/L		09/27/17 09:28	09/29/17 14:28	1
Phenanthrene	ND		0.19	0.059	ug/L		09/27/17 09:28	09/29/17 14:28	1
Phenol	ND		0.95	0.57	ug/L		09/27/17 09:28	09/29/17 14:28	1
Pyrene	ND		0.19	0.040	ug/L		09/27/17 09:28	09/29/17 14:28	1
2,4,5-Trichlorophenol	ND		4.8	0.29	ug/L		09/27/17 09:28	09/29/17 14:28	1
2,4,6-Trichlorophenol	ND		4.8	0.23	ug/L		09/27/17 09:28	09/29/17 14:28	1
2,6-Dinitrotoluene	ND		4.8	0.76	ug/L		09/27/17 09:28	09/29/17 14:28	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-23-(20170920)

Lab Sample ID: 240-85395-17

Date Collected: 09/20/17 13:00

Matrix: Water

Date Received: 09/22/17 09:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	80		38 - 120	09/27/17 09:28	09/29/17 14:28	1
2-Fluorophenol (Surr)	41		10 - 120	09/27/17 09:28	09/29/17 14:28	1
2,4,6-Tribromophenol (Surr)	65		28 - 120	09/27/17 09:28	09/29/17 14:28	1
Nitrobenzene-d5 (Surr)	67		32 - 120	09/27/17 09:28	09/29/17 14:28	1
Phenol-d5 (Surr)	24		10 - 120	09/27/17 09:28	09/29/17 14:28	1
Terphenyl-d14 (Surr)	96		23 - 127	09/27/17 09:28	09/29/17 14:28	1

Method: WI-GRO - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
WI Gasoline Range Organics (C6-C10)	ND		100	20	ug/L	-		10/03/17 03:10	1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.19	0.048	ug/L	-	09/27/17 13:47	09/29/17 11:26	1
Aroclor-1221	ND		0.19	0.087	ug/L	-	09/27/17 13:47	09/29/17 11:26	1
Aroclor-1232	ND		0.19	0.067	ug/L	-	09/27/17 13:47	09/29/17 11:26	1
Aroclor-1242	ND		0.19	0.058	ug/L	-	09/27/17 13:47	09/29/17 11:26	1
Aroclor-1248	ND		0.19	0.048	ug/L	-	09/27/17 13:47	09/29/17 11:26	1
Aroclor-1254	ND		0.19	0.029	ug/L	-	09/27/17 13:47	09/29/17 11:26	1
Aroclor-1260	ND		0.19	0.038	ug/L	-	09/27/17 13:47	09/29/17 11:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	51		10 - 120	09/27/17 13:47	09/29/17 11:26	1
Tetrachloro-m-xylene	65		21 - 120	09/27/17 13:47	09/29/17 11:26	1

Method: WI-DRO - Wisconsin - Diesel Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
WI Diesel Range Organics (C10-C28)	0.050	J B	0.095	0.019	mg/L	-	09/27/17 17:14	09/28/17 18:43	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	190	J	200	2.4	ug/L	-	09/25/17 14:00	09/26/17 20:48	1
Aluminum	ND		200	40	ug/L	-	09/25/17 14:00	09/26/17 20:48	1
Cadmium	ND		5.0	0.29	ug/L	-	09/25/17 14:00	09/26/17 20:48	1
Chromium	1.6	J	10	0.55	ug/L	-	09/25/17 14:00	09/26/17 20:48	1
Silver	ND		10	0.92	ug/L	-	09/25/17 14:00	09/26/17 20:48	1
Arsenic	ND		10	3.3	ug/L	-	09/25/17 14:00	09/26/17 20:48	1
Beryllium	ND		5.0	0.21	ug/L	-	09/25/17 14:00	09/26/17 20:48	1
Lead	ND		3.0	1.9	ug/L	-	09/25/17 14:00	09/26/17 20:48	1
Calcium	160000		5000	710	ug/L	-	09/25/17 14:00	09/26/17 20:48	1
Cobalt	3.1	J	7.0	0.84	ug/L	-	09/25/17 14:00	09/26/17 20:48	1
Copper	ND		25	3.9	ug/L	-	09/25/17 14:00	09/26/17 20:48	1
Iron	720		100	25	ug/L	-	09/25/17 14:00	09/26/17 20:48	1
Potassium	3900	J	5000	70	ug/L	-	09/25/17 14:00	09/26/17 20:48	1
Magnesium	44000		5000	230	ug/L	-	09/25/17 14:00	09/26/17 20:48	1
Manganese	2700		15	5.1	ug/L	-	09/25/17 14:00	09/26/17 20:48	1
Sodium	54000		5000	330	ug/L	-	09/25/17 14:00	09/26/17 20:48	1
Nickel	2.7	J	40	1.6	ug/L	-	09/25/17 14:00	09/26/17 20:48	1
Antimony	ND		10	3.1	ug/L	-	09/25/17 14:00	09/26/17 20:48	1
Vanadium	ND		10	4.4	ug/L	-	09/25/17 14:00	09/26/17 20:48	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-23-(20170920)

Lab Sample ID: 240-85395-17

Date Collected: 09/20/17 13:00

Matrix: Water

Date Received: 09/22/17 09:00

Method: 6010B - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		50	16	ug/L	-	09/25/17 14:00	09/26/17 20:48	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		1.0	0.20	ug/L	-	09/25/17 14:00	09/26/17 15:50	1
Selenium	ND		5.0	0.89	ug/L	-	09/25/17 14:00	09/26/17 15:50	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L	-	09/25/17 14:00	09/26/17 11:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0070	mg/L	-	09/28/17 08:48	09/28/17 16:53	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: TRIP BLANK9

Lab Sample ID: 240-85395-18

Date Collected: 09/20/17 00:00

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.46	ug/L			10/02/17 17:00	1
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			10/02/17 17:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.32	ug/L			10/02/17 17:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			10/02/17 17:00	1
1,1,2-Trichloroethane	ND		1.0	0.34	ug/L			10/02/17 17:00	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			10/02/17 17:00	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			10/02/17 17:00	1
1,1-Dichloropropene	ND		1.0	0.28	ug/L			10/02/17 17:00	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/02/17 17:00	1
1,2,3-Trichloropropane	ND		1.0	0.54	ug/L			10/02/17 17:00	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			10/02/17 17:00	1
1,2,4-Trimethylbenzene	ND		1.0	0.24	ug/L			10/02/17 17:00	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.47	ug/L			10/02/17 17:00	1
1,2-Dichlorobenzene	ND		1.0	0.26	ug/L			10/02/17 17:00	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/02/17 17:00	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/02/17 17:00	1
1,3,5-Trimethylbenzene	ND		1.0	0.24	ug/L			10/02/17 17:00	1
1,3-Dichlorobenzene	ND		1.0	0.32	ug/L			10/02/17 17:00	1
1,3-Dichloropropane	ND		1.0	0.29	ug/L			10/02/17 17:00	1
1,4-Dichlorobenzene	ND		1.0	0.23	ug/L			10/02/17 17:00	1
Allyl chloride	ND		2.0	0.38	ug/L			10/02/17 17:00	1
2,2-Dichloropropane	ND		1.0	0.34	ug/L			10/02/17 17:00	1
2-Chlorotoluene	ND		1.0	0.28	ug/L			10/02/17 17:00	1
2-Hexanone	ND		10	1.2	ug/L			10/02/17 17:00	1
Bromobenzene	ND		1.0	0.31	ug/L			10/02/17 17:00	1
Bromochloromethane	ND		1.0	0.47	ug/L			10/02/17 17:00	1
4-Chlorotoluene	ND		1.0	0.23	ug/L			10/02/17 17:00	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/02/17 17:00	1
Acetone	ND		10	1.8	ug/L			10/02/17 17:00	1
Benzene	ND		1.0	0.28	ug/L			10/02/17 17:00	1
Bromoform	ND		1.0	0.43	ug/L			10/02/17 17:00	1
Bromomethane	ND		1.0	0.42	ug/L			10/02/17 17:00	1
Carbon disulfide	ND		1.0	0.34	ug/L			10/02/17 17:00	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			10/02/17 17:00	1
Chlorobenzene	ND		1.0	0.32	ug/L			10/02/17 17:00	1
Chloroethane	ND		1.0	0.41	ug/L			10/02/17 17:00	1
Chloroform	ND		1.0	0.31	ug/L			10/02/17 17:00	1
Chloromethane	ND		1.0	0.43	ug/L			10/02/17 17:00	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/02/17 17:00	1
cis-1,3-Dichloropropene	ND		1.0	0.26	ug/L			10/02/17 17:00	1
Cyclohexane	ND		1.0	0.44	ug/L			10/02/17 17:00	1
Hexachlorobutadiene	ND		1.0	0.36	ug/L			10/02/17 17:00	1
Dibromomethane	ND		1.0	0.46	ug/L			10/02/17 17:00	1
Bromodichloromethane	ND		1.0	0.30	ug/L			10/02/17 17:00	1
Dichlorodifluoromethane	ND		1.0	0.50	ug/L			10/02/17 17:00	1
Dichlorofluoromethane	ND		2.0	0.43	ug/L			10/02/17 17:00	1
Ethyl ether	ND		2.0	0.35	ug/L			10/02/17 17:00	1
Ethylbenzene	ND		1.0	0.26	ug/L			10/02/17 17:00	1
1,2-Dibromoethane	ND		1.0	0.23	ug/L			10/02/17 17:00	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: TRIP BLANK9

Lab Sample ID: 240-85395-18

Date Collected: 09/20/17 00:00

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.25	ug/L			10/02/17 17:00	1
m-Xylene & p-Xylene	ND		2.0	0.24	ug/L			10/02/17 17:00	1
n-Butylbenzene	ND		1.0	0.21	ug/L			10/02/17 17:00	1
Isopropylbenzene	ND		1.0	0.21	ug/L			10/02/17 17:00	1
Methyl acetate	ND		10	1.4	ug/L			10/02/17 17:00	1
N-Propylbenzene	ND		1.0	0.45	ug/L			10/02/17 17:00	1
2-Butanone (MEK)	ND		10	1.0	ug/L			10/02/17 17:00	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.71	ug/L			10/02/17 17:00	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/02/17 17:00	1
Methyl tert butyl ether	ND		1.0	0.27	ug/L			10/02/17 17:00	1
Methylene Chloride	ND		1.0	0.53	ug/L			10/02/17 17:00	1
o-Xylene	ND		1.0	0.28	ug/L			10/02/17 17:00	1
Styrene	ND		1.0	0.23	ug/L			10/02/17 17:00	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/02/17 17:00	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/02/17 17:00	1
Tetrahydrofuran	ND		5.0	0.84	ug/L			10/02/17 17:00	1
Toluene	ND		1.0	0.23	ug/L			10/02/17 17:00	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			10/02/17 17:00	1
trans-1,3-Dichloropropene	ND		1.0	0.31	ug/L			10/02/17 17:00	1
Trichloroethene	ND		1.0	0.33	ug/L			10/02/17 17:00	1
Trichlorofluoromethane	ND		1.0	0.50	ug/L			10/02/17 17:00	1
Vinyl chloride	ND		1.0	0.45	ug/L			10/02/17 17:00	1
Methylcyclohexane	ND		1.0	0.45	ug/L			10/02/17 17:00	1
Chlorodibromomethane	ND		1.0	0.25	ug/L			10/02/17 17:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	127		61 - 138		10/02/17 17:00	1
4-Bromofluorobenzene (Surr)	103		69 - 120		10/02/17 17:00	1
Toluene-d8 (Surr)	100		73 - 120		10/02/17 17:00	1
Dibromofluoromethane (Surr)	127	X	69 - 124		10/02/17 17:00	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-23B-(20170920)

Lab Sample ID: 240-85395-19

Date Collected: 09/20/17 12:00

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.46	ug/L			10/02/17 17:22	1
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			10/02/17 17:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.32	ug/L			10/02/17 17:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			10/02/17 17:22	1
1,1,2-Trichloroethane	ND		1.0	0.34	ug/L			10/02/17 17:22	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			10/02/17 17:22	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			10/02/17 17:22	1
1,1-Dichloropropene	ND		1.0	0.28	ug/L			10/02/17 17:22	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/02/17 17:22	1
1,2,3-Trichloropropane	ND		1.0	0.54	ug/L			10/02/17 17:22	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			10/02/17 17:22	1
1,2,4-Trimethylbenzene	ND		1.0	0.24	ug/L			10/02/17 17:22	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.47	ug/L			10/02/17 17:22	1
1,2-Dichlorobenzene	ND		1.0	0.26	ug/L			10/02/17 17:22	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/02/17 17:22	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/02/17 17:22	1
1,3,5-Trimethylbenzene	ND		1.0	0.24	ug/L			10/02/17 17:22	1
1,3-Dichlorobenzene	ND		1.0	0.32	ug/L			10/02/17 17:22	1
1,3-Dichloropropane	ND		1.0	0.29	ug/L			10/02/17 17:22	1
1,4-Dichlorobenzene	ND		1.0	0.23	ug/L			10/02/17 17:22	1
Allyl chloride	ND		2.0	0.38	ug/L			10/02/17 17:22	1
2,2-Dichloropropane	ND		1.0	0.34	ug/L			10/02/17 17:22	1
2-Chlorotoluene	ND		1.0	0.28	ug/L			10/02/17 17:22	1
2-Hexanone	ND		10	1.2	ug/L			10/02/17 17:22	1
Bromobenzene	ND		1.0	0.31	ug/L			10/02/17 17:22	1
Bromochloromethane	ND		1.0	0.47	ug/L			10/02/17 17:22	1
4-Chlorotoluene	ND		1.0	0.23	ug/L			10/02/17 17:22	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/02/17 17:22	1
Acetone	ND		10	1.8	ug/L			10/02/17 17:22	1
Benzene	ND		1.0	0.28	ug/L			10/02/17 17:22	1
Bromoform	ND		1.0	0.43	ug/L			10/02/17 17:22	1
Bromomethane	ND		1.0	0.42	ug/L			10/02/17 17:22	1
Carbon disulfide	ND		1.0	0.34	ug/L			10/02/17 17:22	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			10/02/17 17:22	1
Chlorobenzene	ND		1.0	0.32	ug/L			10/02/17 17:22	1
Chloroethane	ND		1.0	0.41	ug/L			10/02/17 17:22	1
Chloroform	ND		1.0	0.31	ug/L			10/02/17 17:22	1
Chloromethane	ND		1.0	0.43	ug/L			10/02/17 17:22	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/02/17 17:22	1
cis-1,3-Dichloropropene	ND		1.0	0.26	ug/L			10/02/17 17:22	1
Cyclohexane	ND		1.0	0.44	ug/L			10/02/17 17:22	1
Hexachlorobutadiene	ND		1.0	0.36	ug/L			10/02/17 17:22	1
Dibromomethane	ND		1.0	0.46	ug/L			10/02/17 17:22	1
Bromodichloromethane	ND		1.0	0.30	ug/L			10/02/17 17:22	1
Dichlorodifluoromethane	ND		1.0	0.50	ug/L			10/02/17 17:22	1
Dichlorofluoromethane	ND		2.0	0.43	ug/L			10/02/17 17:22	1
Ethyl ether	ND		2.0	0.35	ug/L			10/02/17 17:22	1
Ethylbenzene	ND		1.0	0.26	ug/L			10/02/17 17:22	1
1,2-Dibromoethane	ND		1.0	0.23	ug/L			10/02/17 17:22	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-23B-(20170920)

Lab Sample ID: 240-85395-19

Date Collected: 09/20/17 12:00

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.25	ug/L			10/02/17 17:22	1
m-Xylene & p-Xylene	ND		2.0	0.24	ug/L			10/02/17 17:22	1
n-Butylbenzene	ND		1.0	0.21	ug/L			10/02/17 17:22	1
Isopropylbenzene	ND		1.0	0.21	ug/L			10/02/17 17:22	1
Methyl acetate	ND		10	1.4	ug/L			10/02/17 17:22	1
N-Propylbenzene	ND		1.0	0.45	ug/L			10/02/17 17:22	1
2-Butanone (MEK)	ND		10	1.0	ug/L			10/02/17 17:22	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.71	ug/L			10/02/17 17:22	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/02/17 17:22	1
Methyl tert butyl ether	ND		1.0	0.27	ug/L			10/02/17 17:22	1
Methylene Chloride	ND		1.0	0.53	ug/L			10/02/17 17:22	1
o-Xylene	ND		1.0	0.28	ug/L			10/02/17 17:22	1
Styrene	ND		1.0	0.23	ug/L			10/02/17 17:22	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/02/17 17:22	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/02/17 17:22	1
Tetrahydrofuran	ND		5.0	0.84	ug/L			10/02/17 17:22	1
Toluene	ND		1.0	0.23	ug/L			10/02/17 17:22	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			10/02/17 17:22	1
trans-1,3-Dichloropropene	ND		1.0	0.31	ug/L			10/02/17 17:22	1
Trichloroethene	ND		1.0	0.33	ug/L			10/02/17 17:22	1
Trichlorofluoromethane	ND		1.0	0.50	ug/L			10/02/17 17:22	1
Vinyl chloride	ND		1.0	0.45	ug/L			10/02/17 17:22	1
Methylcyclohexane	ND		1.0	0.45	ug/L			10/02/17 17:22	1
Chlorodibromomethane	ND		1.0	0.25	ug/L			10/02/17 17:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	126		61 - 138		10/02/17 17:22	1
4-Bromofluorobenzene (Surr)	106		69 - 120		10/02/17 17:22	1
Toluene-d8 (Surr)	104		73 - 120		10/02/17 17:22	1
Dibromofluoromethane (Surr)	125	X	69 - 124		10/02/17 17:22	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.042	ug/L		09/27/17 09:28	09/29/17 14:53	1
Acenaphthylene	ND		0.19	0.046	ug/L		09/27/17 09:28	09/29/17 14:53	1
Acetophenone	ND		0.95	0.32	ug/L		09/27/17 09:28	09/29/17 14:53	1
Anthracene	ND		0.19	0.084	ug/L		09/27/17 09:28	09/29/17 14:53	1
Atrazine	ND		1.9	0.32	ug/L		09/27/17 09:28	09/29/17 14:53	1
Benzaldehyde	ND		1.9	0.37	ug/L		09/27/17 09:28	09/29/17 14:53	1
Benzo[a]anthracene	ND		0.19	0.028	ug/L		09/27/17 09:28	09/29/17 14:53	1
Benzo[b]fluoranthene	ND		0.19	0.038	ug/L		09/27/17 09:28	09/29/17 14:53	1
Benzo[k]fluoranthene	ND		0.19	0.043	ug/L		09/27/17 09:28	09/29/17 14:53	1
Benzo[g,h,i]perylene	ND		0.19	0.044	ug/L		09/27/17 09:28	09/29/17 14:53	1
Benzo[a]pyrene	ND		0.19	0.049	ug/L		09/27/17 09:28	09/29/17 14:53	1
Butyl benzyl phthalate	ND		1.9	0.25	ug/L		09/27/17 09:28	09/29/17 14:53	1
1,1'-Biphenyl	ND		0.95	0.12	ug/L		09/27/17 09:28	09/29/17 14:53	1
Bis(2-chloroethoxy)methane	ND		0.95	0.30	ug/L		09/27/17 09:28	09/29/17 14:53	1
Bis(2-chloroethyl)ether	ND		0.95	0.095	ug/L		09/27/17 09:28	09/29/17 14:53	1
Bis(2-ethylhexyl) phthalate	ND		4.8	1.6	ug/L		09/27/17 09:28	09/29/17 14:53	1
4-Bromophenyl phenyl ether	ND		1.9	0.21	ug/L		09/27/17 09:28	09/29/17 14:53	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-23B-(20170920)

Lab Sample ID: 240-85395-19

Date Collected: 09/20/17 12:00

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Caprolactam	ND		4.8	0.19	ug/L		09/27/17 09:28	09/29/17 14:53	1
Carbazole	ND		0.95	0.27	ug/L		09/27/17 09:28	09/29/17 14:53	1
4-Chloroaniline	ND		1.9	0.20	ug/L		09/27/17 09:28	09/29/17 14:53	1
4-Chloro-3-methylphenol	ND		1.9	0.20	ug/L		09/27/17 09:28	09/29/17 14:53	1
2-Chloronaphthalene	ND		0.95	0.095	ug/L		09/27/17 09:28	09/29/17 14:53	1
2-Chlorophenol	ND		0.95	0.28	ug/L		09/27/17 09:28	09/29/17 14:53	1
4-Chlorophenyl phenyl ether	ND		1.9	0.29	ug/L		09/27/17 09:28	09/29/17 14:53	1
Chrysene	ND		0.19	0.048	ug/L		09/27/17 09:28	09/29/17 14:53	1
2-Methylnaphthalene	ND		0.19	0.086	ug/L		09/27/17 09:28	09/29/17 14:53	1
3 & 4 Methylphenol	ND		1.9	0.76	ug/L		09/27/17 09:28	09/29/17 14:53	1
Dibenz(a,h)anthracene	ND		0.19	0.042	ug/L		09/27/17 09:28	09/29/17 14:53	1
Dibenzofuran	ND		0.95	0.019	ug/L		09/27/17 09:28	09/29/17 14:53	1
3,3'-Dichlorobenzidine	ND		4.8	0.35	ug/L		09/27/17 09:28	09/29/17 14:53	1
2,4-Dichlorophenol	ND		1.9	0.18	ug/L		09/27/17 09:28	09/29/17 14:53	1
Diethyl phthalate	1.9	B	1.9	0.57	ug/L		09/27/17 09:28	09/29/17 14:53	1
2,4-Dimethylphenol	ND		1.9	0.24	ug/L		09/27/17 09:28	09/29/17 14:53	1
Dimethyl phthalate	ND		1.9	0.28	ug/L		09/27/17 09:28	09/29/17 14:53	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.3	ug/L		09/27/17 09:28	09/29/17 14:53	1
2,4-Dinitrophenol	ND		4.8	0.30	ug/L		09/27/17 09:28	09/29/17 14:53	1
2,4-Dinitrotoluene	ND		4.8	0.24	ug/L		09/27/17 09:28	09/29/17 14:53	1
Di-n-butyl phthalate	ND		4.8	1.6	ug/L		09/27/17 09:28	09/29/17 14:53	1
Di-n-octyl phthalate	ND		1.9	0.22	ug/L		09/27/17 09:28	09/29/17 14:53	1
Fluoranthene	ND		0.19	0.042	ug/L		09/27/17 09:28	09/29/17 14:53	1
Fluorene	ND		0.19	0.039	ug/L		09/27/17 09:28	09/29/17 14:53	1
Hexachlorobenzene	ND		0.19	0.081	ug/L		09/27/17 09:28	09/29/17 14:53	1
Hexachlorobutadiene	ND		0.95	0.26	ug/L		09/27/17 09:28	09/29/17 14:53	1
Hexachlorocyclopentadiene	ND		9.5	0.23	ug/L		09/27/17 09:28	09/29/17 14:53	1
Hexachloroethane	ND		0.95	0.18	ug/L		09/27/17 09:28	09/29/17 14:53	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		09/27/17 09:28	09/29/17 14:53	1
Isophorone	ND		0.95	0.26	ug/L		09/27/17 09:28	09/29/17 14:53	1
2-Methylphenol	ND		0.95	0.16	ug/L		09/27/17 09:28	09/29/17 14:53	1
Naphthalene	ND		0.19	0.060	ug/L		09/27/17 09:28	09/29/17 14:53	1
2-Nitroaniline	ND *		1.9	0.20	ug/L		09/27/17 09:28	09/29/17 14:53	1
3-Nitroaniline	ND		1.9	0.27	ug/L		09/27/17 09:28	09/29/17 14:53	1
4-Nitroaniline	ND		1.9	0.21	ug/L		09/27/17 09:28	09/29/17 14:53	1
Nitrobenzene	ND		0.95	0.038	ug/L		09/27/17 09:28	09/29/17 14:53	1
2-Nitrophenol	ND		1.9	0.27	ug/L		09/27/17 09:28	09/29/17 14:53	1
4-Nitrophenol	ND		4.8	0.28	ug/L		09/27/17 09:28	09/29/17 14:53	1
N-Nitrosodiphenylamine	ND		0.95	0.30	ug/L		09/27/17 09:28	09/29/17 14:53	1
N-Nitrosodi-n-propylamine	ND		0.95	0.23	ug/L		09/27/17 09:28	09/29/17 14:53	1
2,2'-oxybis[1-chloropropane]	ND		0.95	0.38	ug/L		09/27/17 09:28	09/29/17 14:53	1
Pentachlorophenol	ND		4.8	0.26	ug/L		09/27/17 09:28	09/29/17 14:53	1
Phenanthrene	ND		0.19	0.059	ug/L		09/27/17 09:28	09/29/17 14:53	1
Phenol	ND		0.95	0.57	ug/L		09/27/17 09:28	09/29/17 14:53	1
Pyrene	ND		0.19	0.040	ug/L		09/27/17 09:28	09/29/17 14:53	1
2,4,5-Trichlorophenol	ND		4.8	0.29	ug/L		09/27/17 09:28	09/29/17 14:53	1
2,4,6-Trichlorophenol	ND		4.8	0.23	ug/L		09/27/17 09:28	09/29/17 14:53	1
2,6-Dinitrotoluene	ND		4.8	0.76	ug/L		09/27/17 09:28	09/29/17 14:53	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-23B-(20170920)

Lab Sample ID: 240-85395-19

Date Collected: 09/20/17 12:00

Matrix: Water

Date Received: 09/22/17 09:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	84		38 - 120	09/27/17 09:28	09/29/17 14:53	1
2-Fluorophenol (Surr)	36		10 - 120	09/27/17 09:28	09/29/17 14:53	1
2,4,6-Tribromophenol (Surr)	67		28 - 120	09/27/17 09:28	09/29/17 14:53	1
Nitrobenzene-d5 (Surr)	69		32 - 120	09/27/17 09:28	09/29/17 14:53	1
Phenol-d5 (Surr)	21		10 - 120	09/27/17 09:28	09/29/17 14:53	1
Terphenyl-d14 (Surr)	93		23 - 127	09/27/17 09:28	09/29/17 14:53	1

Method: WI-GRO - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
WI Gasoline Range Organics (C6-C10)	ND		100	20	ug/L	-		10/03/17 04:27	1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.20	0.049	ug/L	-	09/27/17 13:47	09/29/17 11:45	1
Aroclor-1221	ND		0.20	0.088	ug/L	-	09/27/17 13:47	09/29/17 11:45	1
Aroclor-1232	ND		0.20	0.069	ug/L	-	09/27/17 13:47	09/29/17 11:45	1
Aroclor-1242	ND		0.20	0.059	ug/L	-	09/27/17 13:47	09/29/17 11:45	1
Aroclor-1248	ND		0.20	0.049	ug/L	-	09/27/17 13:47	09/29/17 11:45	1
Aroclor-1254	ND		0.20	0.029	ug/L	-	09/27/17 13:47	09/29/17 11:45	1
Aroclor-1260	ND		0.20	0.039	ug/L	-	09/27/17 13:47	09/29/17 11:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	56		10 - 120	09/27/17 13:47	09/29/17 11:45	1
Tetrachloro-m-xylene	56		21 - 120	09/27/17 13:47	09/29/17 11:45	1

Method: WI-DRO - Wisconsin - Diesel Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
WI Diesel Range Organics (C10-C28)	0.046	J B	0.097	0.019	mg/L	-	09/27/17 17:14	09/28/17 19:11	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	190	J	200	2.4	ug/L	-	09/25/17 14:00	09/26/17 20:53	1
Aluminum	ND		200	40	ug/L	-	09/25/17 14:00	09/26/17 20:53	1
Cadmium	ND		5.0	0.29	ug/L	-	09/25/17 14:00	09/26/17 20:53	1
Chromium	1.3	J	10	0.55	ug/L	-	09/25/17 14:00	09/26/17 20:53	1
Silver	ND		10	0.92	ug/L	-	09/25/17 14:00	09/26/17 20:53	1
Arsenic	3.4	J	10	3.3	ug/L	-	09/25/17 14:00	09/26/17 20:53	1
Beryllium	ND		5.0	0.21	ug/L	-	09/25/17 14:00	09/26/17 20:53	1
Lead	ND		3.0	1.9	ug/L	-	09/25/17 14:00	09/26/17 20:53	1
Calcium	77000		5000	710	ug/L	-	09/25/17 14:00	09/26/17 20:53	1
Cobalt	1.1	J	7.0	0.84	ug/L	-	09/25/17 14:00	09/26/17 20:53	1
Copper	ND		25	3.9	ug/L	-	09/25/17 14:00	09/26/17 20:53	1
Iron	3200		100	25	ug/L	-	09/25/17 14:00	09/26/17 20:53	1
Potassium	1800	J	5000	70	ug/L	-	09/25/17 14:00	09/26/17 20:53	1
Magnesium	27000		5000	230	ug/L	-	09/25/17 14:00	09/26/17 20:53	1
Manganese	230		15	5.1	ug/L	-	09/25/17 14:00	09/26/17 20:53	1
Sodium	9500		5000	330	ug/L	-	09/25/17 14:00	09/26/17 20:53	1
Nickel	ND		40	1.6	ug/L	-	09/25/17 14:00	09/26/17 20:53	1
Antimony	ND		10	3.1	ug/L	-	09/25/17 14:00	09/26/17 20:53	1
Vanadium	ND		10	4.4	ug/L	-	09/25/17 14:00	09/26/17 20:53	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-23B-(20170920)

Lab Sample ID: 240-85395-19

Date Collected: 09/20/17 12:00

Matrix: Water

Date Received: 09/22/17 09:00

Method: 6010B - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		50	16	ug/L	-	09/25/17 14:00	09/26/17 20:53	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		1.0	0.20	ug/L	-	09/25/17 14:00	09/26/17 15:55	1
Selenium	ND		5.0	0.89	ug/L	-	09/25/17 14:00	09/26/17 15:55	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L	-	09/25/17 14:00	09/26/17 11:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0070	mg/L	-	09/28/17 08:48	09/28/17 16:54	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: TRIP BLANK10

Lab Sample ID: 240-85395-20

Date Collected: 09/20/17 00:00

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.46	ug/L			10/02/17 17:44	1
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			10/02/17 17:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.32	ug/L			10/02/17 17:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			10/02/17 17:44	1
1,1,2-Trichloroethane	ND		1.0	0.34	ug/L			10/02/17 17:44	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			10/02/17 17:44	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			10/02/17 17:44	1
1,1-Dichloropropene	ND		1.0	0.28	ug/L			10/02/17 17:44	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/02/17 17:44	1
1,2,3-Trichloropropane	ND		1.0	0.54	ug/L			10/02/17 17:44	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			10/02/17 17:44	1
1,2,4-Trimethylbenzene	ND		1.0	0.24	ug/L			10/02/17 17:44	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.47	ug/L			10/02/17 17:44	1
1,2-Dichlorobenzene	ND		1.0	0.26	ug/L			10/02/17 17:44	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/02/17 17:44	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/02/17 17:44	1
1,3,5-Trimethylbenzene	ND		1.0	0.24	ug/L			10/02/17 17:44	1
1,3-Dichlorobenzene	ND		1.0	0.32	ug/L			10/02/17 17:44	1
1,3-Dichloropropane	ND		1.0	0.29	ug/L			10/02/17 17:44	1
1,4-Dichlorobenzene	ND		1.0	0.23	ug/L			10/02/17 17:44	1
Allyl chloride	ND		2.0	0.38	ug/L			10/02/17 17:44	1
2,2-Dichloropropane	ND		1.0	0.34	ug/L			10/02/17 17:44	1
2-Chlorotoluene	ND		1.0	0.28	ug/L			10/02/17 17:44	1
2-Hexanone	ND		10	1.2	ug/L			10/02/17 17:44	1
Bromobenzene	ND		1.0	0.31	ug/L			10/02/17 17:44	1
Bromochloromethane	ND		1.0	0.47	ug/L			10/02/17 17:44	1
4-Chlorotoluene	ND		1.0	0.23	ug/L			10/02/17 17:44	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/02/17 17:44	1
Acetone	ND		10	1.8	ug/L			10/02/17 17:44	1
Benzene	ND		1.0	0.28	ug/L			10/02/17 17:44	1
Bromoform	ND		1.0	0.43	ug/L			10/02/17 17:44	1
Bromomethane	ND		1.0	0.42	ug/L			10/02/17 17:44	1
Carbon disulfide	ND		1.0	0.34	ug/L			10/02/17 17:44	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			10/02/17 17:44	1
Chlorobenzene	ND		1.0	0.32	ug/L			10/02/17 17:44	1
Chloroethane	ND		1.0	0.41	ug/L			10/02/17 17:44	1
Chloroform	ND		1.0	0.31	ug/L			10/02/17 17:44	1
Chloromethane	ND		1.0	0.43	ug/L			10/02/17 17:44	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/02/17 17:44	1
cis-1,3-Dichloropropene	ND		1.0	0.26	ug/L			10/02/17 17:44	1
Cyclohexane	ND		1.0	0.44	ug/L			10/02/17 17:44	1
Hexachlorobutadiene	ND		1.0	0.36	ug/L			10/02/17 17:44	1
Dibromomethane	ND		1.0	0.46	ug/L			10/02/17 17:44	1
Bromodichloromethane	ND		1.0	0.30	ug/L			10/02/17 17:44	1
Dichlorodifluoromethane	ND		1.0	0.50	ug/L			10/02/17 17:44	1
Dichlorofluoromethane	ND		2.0	0.43	ug/L			10/02/17 17:44	1
Ethyl ether	ND		2.0	0.35	ug/L			10/02/17 17:44	1
Ethylbenzene	ND		1.0	0.26	ug/L			10/02/17 17:44	1
1,2-Dibromoethane	ND		1.0	0.23	ug/L			10/02/17 17:44	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: TRIP BLANK10

Lab Sample ID: 240-85395-20

Date Collected: 09/20/17 00:00

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.25	ug/L			10/02/17 17:44	1
m-Xylene & p-Xylene	ND		2.0	0.24	ug/L			10/02/17 17:44	1
n-Butylbenzene	ND		1.0	0.21	ug/L			10/02/17 17:44	1
Isopropylbenzene	ND		1.0	0.21	ug/L			10/02/17 17:44	1
Methyl acetate	ND		10	1.4	ug/L			10/02/17 17:44	1
N-Propylbenzene	ND		1.0	0.45	ug/L			10/02/17 17:44	1
2-Butanone (MEK)	ND		10	1.0	ug/L			10/02/17 17:44	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.71	ug/L			10/02/17 17:44	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/02/17 17:44	1
Methyl tert butyl ether	ND		1.0	0.27	ug/L			10/02/17 17:44	1
Methylene Chloride	ND		1.0	0.53	ug/L			10/02/17 17:44	1
o-Xylene	ND		1.0	0.28	ug/L			10/02/17 17:44	1
Styrene	ND		1.0	0.23	ug/L			10/02/17 17:44	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/02/17 17:44	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/02/17 17:44	1
Tetrahydrofuran	ND		5.0	0.84	ug/L			10/02/17 17:44	1
Toluene	ND		1.0	0.23	ug/L			10/02/17 17:44	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			10/02/17 17:44	1
trans-1,3-Dichloropropene	ND		1.0	0.31	ug/L			10/02/17 17:44	1
Trichloroethene	ND		1.0	0.33	ug/L			10/02/17 17:44	1
Trichlorofluoromethane	ND		1.0	0.50	ug/L			10/02/17 17:44	1
Vinyl chloride	ND		1.0	0.45	ug/L			10/02/17 17:44	1
Methylcyclohexane	ND		1.0	0.45	ug/L			10/02/17 17:44	1
Chlorodibromomethane	ND		1.0	0.25	ug/L			10/02/17 17:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	125		61 - 138		10/02/17 17:44	1
4-Bromofluorobenzene (Surr)	102		69 - 120		10/02/17 17:44	1
Toluene-d8 (Surr)	102		73 - 120		10/02/17 17:44	1
Dibromofluoromethane (Surr)	122		69 - 124		10/02/17 17:44	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-24-(20170920)

Lab Sample ID: 240-85395-21

Date Collected: 09/20/17 14:40

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.46	ug/L			10/02/17 18:06	1
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			10/02/17 18:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.32	ug/L			10/02/17 18:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			10/02/17 18:06	1
1,1,2-Trichloroethane	ND		1.0	0.34	ug/L			10/02/17 18:06	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			10/02/17 18:06	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			10/02/17 18:06	1
1,1-Dichloropropene	ND		1.0	0.28	ug/L			10/02/17 18:06	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/02/17 18:06	1
1,2,3-Trichloropropane	ND		1.0	0.54	ug/L			10/02/17 18:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			10/02/17 18:06	1
1,2,4-Trimethylbenzene	ND		1.0	0.24	ug/L			10/02/17 18:06	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.47	ug/L			10/02/17 18:06	1
1,2-Dichlorobenzene	ND		1.0	0.26	ug/L			10/02/17 18:06	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/02/17 18:06	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/02/17 18:06	1
1,3,5-Trimethylbenzene	ND		1.0	0.24	ug/L			10/02/17 18:06	1
1,3-Dichlorobenzene	ND		1.0	0.32	ug/L			10/02/17 18:06	1
1,3-Dichloropropane	ND		1.0	0.29	ug/L			10/02/17 18:06	1
1,4-Dichlorobenzene	ND		1.0	0.23	ug/L			10/02/17 18:06	1
Allyl chloride	ND		2.0	0.38	ug/L			10/02/17 18:06	1
2,2-Dichloropropane	ND		1.0	0.34	ug/L			10/02/17 18:06	1
2-Chlorotoluene	ND		1.0	0.28	ug/L			10/02/17 18:06	1
2-Hexanone	ND		10	1.2	ug/L			10/02/17 18:06	1
Bromobenzene	ND		1.0	0.31	ug/L			10/02/17 18:06	1
Bromochloromethane	ND		1.0	0.47	ug/L			10/02/17 18:06	1
4-Chlorotoluene	ND		1.0	0.23	ug/L			10/02/17 18:06	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/02/17 18:06	1
Acetone	ND		10	1.8	ug/L			10/02/17 18:06	1
Benzene	ND		1.0	0.28	ug/L			10/02/17 18:06	1
Bromoform	ND		1.0	0.43	ug/L			10/02/17 18:06	1
Bromomethane	ND		1.0	0.42	ug/L			10/02/17 18:06	1
Carbon disulfide	ND		1.0	0.34	ug/L			10/02/17 18:06	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			10/02/17 18:06	1
Chlorobenzene	ND		1.0	0.32	ug/L			10/02/17 18:06	1
Chloroethane	ND		1.0	0.41	ug/L			10/02/17 18:06	1
Chloroform	ND		1.0	0.31	ug/L			10/02/17 18:06	1
Chloromethane	ND		1.0	0.43	ug/L			10/02/17 18:06	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/02/17 18:06	1
cis-1,3-Dichloropropene	ND		1.0	0.26	ug/L			10/02/17 18:06	1
Cyclohexane	ND		1.0	0.44	ug/L			10/02/17 18:06	1
Hexachlorobutadiene	ND		1.0	0.36	ug/L			10/02/17 18:06	1
Dibromomethane	ND		1.0	0.46	ug/L			10/02/17 18:06	1
Bromodichloromethane	ND		1.0	0.30	ug/L			10/02/17 18:06	1
Dichlorodifluoromethane	ND		1.0	0.50	ug/L			10/02/17 18:06	1
Dichlorofluoromethane	ND		2.0	0.43	ug/L			10/02/17 18:06	1
Ethyl ether	ND		2.0	0.35	ug/L			10/02/17 18:06	1
Ethylbenzene	ND		1.0	0.26	ug/L			10/02/17 18:06	1
1,2-Dibromoethane	ND		1.0	0.23	ug/L			10/02/17 18:06	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-24-(20170920)

Lab Sample ID: 240-85395-21

Date Collected: 09/20/17 14:40

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.25	ug/L			10/02/17 18:06	1
m-Xylene & p-Xylene	ND		2.0	0.24	ug/L			10/02/17 18:06	1
n-Butylbenzene	ND		1.0	0.21	ug/L			10/02/17 18:06	1
Isopropylbenzene	ND		1.0	0.21	ug/L			10/02/17 18:06	1
Methyl acetate	ND		10	1.4	ug/L			10/02/17 18:06	1
N-Propylbenzene	ND		1.0	0.45	ug/L			10/02/17 18:06	1
2-Butanone (MEK)	ND		10	1.0	ug/L			10/02/17 18:06	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.71	ug/L			10/02/17 18:06	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/02/17 18:06	1
Methyl tert butyl ether	ND		1.0	0.27	ug/L			10/02/17 18:06	1
Methylene Chloride	ND		1.0	0.53	ug/L			10/02/17 18:06	1
o-Xylene	ND		1.0	0.28	ug/L			10/02/17 18:06	1
Styrene	ND		1.0	0.23	ug/L			10/02/17 18:06	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/02/17 18:06	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/02/17 18:06	1
Tetrahydrofuran	ND		5.0	0.84	ug/L			10/02/17 18:06	1
Toluene	ND		1.0	0.23	ug/L			10/02/17 18:06	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			10/02/17 18:06	1
trans-1,3-Dichloropropene	ND		1.0	0.31	ug/L			10/02/17 18:06	1
Trichloroethene	ND		1.0	0.33	ug/L			10/02/17 18:06	1
Trichlorofluoromethane	ND		1.0	0.50	ug/L			10/02/17 18:06	1
Vinyl chloride	ND		1.0	0.45	ug/L			10/02/17 18:06	1
Methylcyclohexane	ND		1.0	0.45	ug/L			10/02/17 18:06	1
Chlorodibromomethane	ND		1.0	0.25	ug/L			10/02/17 18:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	128		61 - 138		10/02/17 18:06	1
4-Bromofluorobenzene (Surr)	104		69 - 120		10/02/17 18:06	1
Toluene-d8 (Surr)	105		73 - 120		10/02/17 18:06	1
Dibromofluoromethane (Surr)	123		69 - 124		10/02/17 18:06	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.042	ug/L		09/27/17 09:28	09/29/17 15:17	1
Acenaphthylene	ND		0.19	0.046	ug/L		09/27/17 09:28	09/29/17 15:17	1
Acetophenone	ND		0.95	0.32	ug/L		09/27/17 09:28	09/29/17 15:17	1
Anthracene	ND		0.19	0.084	ug/L		09/27/17 09:28	09/29/17 15:17	1
Atrazine	ND		1.9	0.32	ug/L		09/27/17 09:28	09/29/17 15:17	1
Benzaldehyde	ND		1.9	0.37	ug/L		09/27/17 09:28	09/29/17 15:17	1
Benzo[a]anthracene	ND		0.19	0.028	ug/L		09/27/17 09:28	09/29/17 15:17	1
Benzo[b]fluoranthene	ND		0.19	0.038	ug/L		09/27/17 09:28	09/29/17 15:17	1
Benzo[k]fluoranthene	ND		0.19	0.043	ug/L		09/27/17 09:28	09/29/17 15:17	1
Benzo[g,h,i]perylene	ND		0.19	0.044	ug/L		09/27/17 09:28	09/29/17 15:17	1
Benzo[a]pyrene	ND		0.19	0.049	ug/L		09/27/17 09:28	09/29/17 15:17	1
Butyl benzyl phthalate	ND		1.9	0.25	ug/L		09/27/17 09:28	09/29/17 15:17	1
1,1'-Biphenyl	ND		0.95	0.12	ug/L		09/27/17 09:28	09/29/17 15:17	1
Bis(2-chloroethoxy)methane	ND		0.95	0.30	ug/L		09/27/17 09:28	09/29/17 15:17	1
Bis(2-chloroethyl)ether	ND		0.95	0.095	ug/L		09/27/17 09:28	09/29/17 15:17	1
Bis(2-ethylhexyl) phthalate	ND		4.8	1.6	ug/L		09/27/17 09:28	09/29/17 15:17	1
4-Bromophenyl phenyl ether	ND		1.9	0.21	ug/L		09/27/17 09:28	09/29/17 15:17	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-24-(20170920)

Lab Sample ID: 240-85395-21

Date Collected: 09/20/17 14:40

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Caprolactam	ND		4.8	0.19	ug/L		09/27/17 09:28	09/29/17 15:17	1
Carbazole	ND		0.95	0.27	ug/L		09/27/17 09:28	09/29/17 15:17	1
4-Chloroaniline	ND		1.9	0.20	ug/L		09/27/17 09:28	09/29/17 15:17	1
4-Chloro-3-methylphenol	ND		1.9	0.20	ug/L		09/27/17 09:28	09/29/17 15:17	1
2-Chloronaphthalene	ND		0.95	0.095	ug/L		09/27/17 09:28	09/29/17 15:17	1
2-Chlorophenol	ND		0.95	0.28	ug/L		09/27/17 09:28	09/29/17 15:17	1
4-Chlorophenyl phenyl ether	ND		1.9	0.29	ug/L		09/27/17 09:28	09/29/17 15:17	1
Chrysene	ND		0.19	0.048	ug/L		09/27/17 09:28	09/29/17 15:17	1
2-Methylnaphthalene	ND		0.19	0.086	ug/L		09/27/17 09:28	09/29/17 15:17	1
3 & 4 Methylphenol	ND		1.9	0.76	ug/L		09/27/17 09:28	09/29/17 15:17	1
Dibenz(a,h)anthracene	ND		0.19	0.042	ug/L		09/27/17 09:28	09/29/17 15:17	1
Dibenzofuran	ND		0.95	0.019	ug/L		09/27/17 09:28	09/29/17 15:17	1
3,3'-Dichlorobenzidine	ND		4.8	0.35	ug/L		09/27/17 09:28	09/29/17 15:17	1
2,4-Dichlorophenol	ND		1.9	0.18	ug/L		09/27/17 09:28	09/29/17 15:17	1
Diethyl phthalate	1.0	J B	1.9	0.57	ug/L		09/27/17 09:28	09/29/17 15:17	1
2,4-Dimethylphenol	ND		1.9	0.24	ug/L		09/27/17 09:28	09/29/17 15:17	1
Dimethyl phthalate	ND		1.9	0.28	ug/L		09/27/17 09:28	09/29/17 15:17	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.3	ug/L		09/27/17 09:28	09/29/17 15:17	1
2,4-Dinitrophenol	ND		4.8	0.30	ug/L		09/27/17 09:28	09/29/17 15:17	1
2,4-Dinitrotoluene	ND		4.8	0.24	ug/L		09/27/17 09:28	09/29/17 15:17	1
Di-n-butyl phthalate	ND		4.8	1.6	ug/L		09/27/17 09:28	09/29/17 15:17	1
Di-n-octyl phthalate	ND		1.9	0.22	ug/L		09/27/17 09:28	09/29/17 15:17	1
Fluoranthene	ND		0.19	0.042	ug/L		09/27/17 09:28	09/29/17 15:17	1
Fluorene	ND		0.19	0.039	ug/L		09/27/17 09:28	09/29/17 15:17	1
Hexachlorobenzene	ND		0.19	0.081	ug/L		09/27/17 09:28	09/29/17 15:17	1
Hexachlorobutadiene	ND		0.95	0.26	ug/L		09/27/17 09:28	09/29/17 15:17	1
Hexachlorocyclopentadiene	ND		9.5	0.23	ug/L		09/27/17 09:28	09/29/17 15:17	1
Hexachloroethane	ND		0.95	0.18	ug/L		09/27/17 09:28	09/29/17 15:17	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		09/27/17 09:28	09/29/17 15:17	1
Isophorone	ND		0.95	0.26	ug/L		09/27/17 09:28	09/29/17 15:17	1
2-Methylphenol	ND		0.95	0.16	ug/L		09/27/17 09:28	09/29/17 15:17	1
Naphthalene	ND		0.19	0.060	ug/L		09/27/17 09:28	09/29/17 15:17	1
2-Nitroaniline	ND *		1.9	0.20	ug/L		09/27/17 09:28	09/29/17 15:17	1
3-Nitroaniline	ND		1.9	0.27	ug/L		09/27/17 09:28	09/29/17 15:17	1
4-Nitroaniline	ND		1.9	0.21	ug/L		09/27/17 09:28	09/29/17 15:17	1
Nitrobenzene	ND		0.95	0.038	ug/L		09/27/17 09:28	09/29/17 15:17	1
2-Nitrophenol	ND		1.9	0.27	ug/L		09/27/17 09:28	09/29/17 15:17	1
4-Nitrophenol	ND		4.8	0.28	ug/L		09/27/17 09:28	09/29/17 15:17	1
N-Nitrosodiphenylamine	ND		0.95	0.30	ug/L		09/27/17 09:28	09/29/17 15:17	1
N-Nitrosodi-n-propylamine	ND		0.95	0.23	ug/L		09/27/17 09:28	09/29/17 15:17	1
2,2'-oxybis[1-chloropropane]	ND		0.95	0.38	ug/L		09/27/17 09:28	09/29/17 15:17	1
Pentachlorophenol	ND		4.8	0.26	ug/L		09/27/17 09:28	09/29/17 15:17	1
Phenanthrene	ND		0.19	0.059	ug/L		09/27/17 09:28	09/29/17 15:17	1
Phenol	ND		0.95	0.57	ug/L		09/27/17 09:28	09/29/17 15:17	1
Pyrene	ND		0.19	0.040	ug/L		09/27/17 09:28	09/29/17 15:17	1
2,4,5-Trichlorophenol	ND		4.8	0.29	ug/L		09/27/17 09:28	09/29/17 15:17	1
2,4,6-Trichlorophenol	ND		4.8	0.23	ug/L		09/27/17 09:28	09/29/17 15:17	1
2,6-Dinitrotoluene	ND		4.8	0.76	ug/L		09/27/17 09:28	09/29/17 15:17	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-24-(20170920)

Lab Sample ID: 240-85395-21

Date Collected: 09/20/17 14:40

Matrix: Water

Date Received: 09/22/17 09:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	87		38 - 120	09/27/17 09:28	09/29/17 15:17	1
2-Fluorophenol (Surr)	43		10 - 120	09/27/17 09:28	09/29/17 15:17	1
2,4,6-Tribromophenol (Surr)	73		28 - 120	09/27/17 09:28	09/29/17 15:17	1
Nitrobenzene-d5 (Surr)	72		32 - 120	09/27/17 09:28	09/29/17 15:17	1
Phenol-d5 (Surr)	26		10 - 120	09/27/17 09:28	09/29/17 15:17	1
Terphenyl-d14 (Surr)	96		23 - 127	09/27/17 09:28	09/29/17 15:17	1

Method: WI-GRO - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
WI Gasoline Range Organics (C6-C10)	ND		100	20	ug/L			10/03/17 05:06	1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.19	0.048	ug/L		09/27/17 13:47	09/29/17 12:05	1
Aroclor-1221	ND		0.19	0.086	ug/L		09/27/17 13:47	09/29/17 12:05	1
Aroclor-1232	ND		0.19	0.067	ug/L		09/27/17 13:47	09/29/17 12:05	1
Aroclor-1242	ND		0.19	0.057	ug/L		09/27/17 13:47	09/29/17 12:05	1
Aroclor-1248	ND		0.19	0.048	ug/L		09/27/17 13:47	09/29/17 12:05	1
Aroclor-1254	ND		0.19	0.029	ug/L		09/27/17 13:47	09/29/17 12:05	1
Aroclor-1260	ND		0.19	0.038	ug/L		09/27/17 13:47	09/29/17 12:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	58		10 - 120	09/27/17 13:47	09/29/17 12:05	1
Tetrachloro-m-xylene	56		21 - 120	09/27/17 13:47	09/29/17 12:05	1

Method: WI-DRO - Wisconsin - Diesel Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
WI Diesel Range Organics (C10-C28)	0.066	J B	0.096	0.019	mg/L		09/27/17 17:14	09/28/17 19:38	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	88	J	200	2.4	ug/L		09/25/17 14:00	09/26/17 20:57	1
Aluminum	ND		200	40	ug/L		09/25/17 14:00	09/26/17 20:57	1
Cadmium	0.32	J	5.0	0.29	ug/L		09/25/17 14:00	09/26/17 20:57	1
Chromium	0.70	J	10	0.55	ug/L		09/25/17 14:00	09/26/17 20:57	1
Silver	ND		10	0.92	ug/L		09/25/17 14:00	09/26/17 20:57	1
Arsenic	ND		10	3.3	ug/L		09/25/17 14:00	09/26/17 20:57	1
Beryllium	ND		5.0	0.21	ug/L		09/25/17 14:00	09/26/17 20:57	1
Lead	ND		3.0	1.9	ug/L		09/25/17 14:00	09/26/17 20:57	1
Calcium	170000		5000	710	ug/L		09/25/17 14:00	09/26/17 20:57	1
Cobalt	2.2	J	7.0	0.84	ug/L		09/25/17 14:00	09/26/17 20:57	1
Copper	ND		25	3.9	ug/L		09/25/17 14:00	09/26/17 20:57	1
Iron	1900		100	25	ug/L		09/25/17 14:00	09/26/17 20:57	1
Potassium	7500		5000	70	ug/L		09/25/17 14:00	09/26/17 20:57	1
Magnesium	43000		5000	230	ug/L		09/25/17 14:00	09/26/17 20:57	1
Manganese	1900		15	5.1	ug/L		09/25/17 14:00	09/26/17 20:57	1
Sodium	80000		5000	330	ug/L		09/25/17 14:00	09/26/17 20:57	1
Nickel	3.5	J	40	1.6	ug/L		09/25/17 14:00	09/26/17 20:57	1
Antimony	ND		10	3.1	ug/L		09/25/17 14:00	09/26/17 20:57	1
Vanadium	ND		10	4.4	ug/L		09/25/17 14:00	09/26/17 20:57	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-24-(20170920)

Lab Sample ID: 240-85395-21

Date Collected: 09/20/17 14:40

Matrix: Water

Date Received: 09/22/17 09:00

Method: 6010B - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		50	16	ug/L	-	09/25/17 14:00	09/26/17 20:57	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		1.0	0.20	ug/L	-	09/25/17 14:00	09/26/17 15:59	1
Selenium	ND		5.0	0.89	ug/L	-	09/25/17 14:00	09/26/17 15:59	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L	-	09/25/17 14:00	09/26/17 12:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0070	mg/L	-	09/28/17 08:48	09/28/17 16:56	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: TRIP BLANK11

Lab Sample ID: 240-85395-22

Date Collected: 09/20/17 00:00

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.46	ug/L			10/02/17 18:28	1
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			10/02/17 18:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.32	ug/L			10/02/17 18:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			10/02/17 18:28	1
1,1,2-Trichloroethane	ND		1.0	0.34	ug/L			10/02/17 18:28	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			10/02/17 18:28	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			10/02/17 18:28	1
1,1-Dichloropropene	ND		1.0	0.28	ug/L			10/02/17 18:28	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/02/17 18:28	1
1,2,3-Trichloropropane	ND		1.0	0.54	ug/L			10/02/17 18:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			10/02/17 18:28	1
1,2,4-Trimethylbenzene	ND		1.0	0.24	ug/L			10/02/17 18:28	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.47	ug/L			10/02/17 18:28	1
1,2-Dichlorobenzene	ND		1.0	0.26	ug/L			10/02/17 18:28	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/02/17 18:28	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/02/17 18:28	1
1,3,5-Trimethylbenzene	ND		1.0	0.24	ug/L			10/02/17 18:28	1
1,3-Dichlorobenzene	ND		1.0	0.32	ug/L			10/02/17 18:28	1
1,3-Dichloropropane	ND		1.0	0.29	ug/L			10/02/17 18:28	1
1,4-Dichlorobenzene	ND		1.0	0.23	ug/L			10/02/17 18:28	1
Allyl chloride	ND		2.0	0.38	ug/L			10/02/17 18:28	1
2,2-Dichloropropane	ND		1.0	0.34	ug/L			10/02/17 18:28	1
2-Chlorotoluene	ND		1.0	0.28	ug/L			10/02/17 18:28	1
2-Hexanone	ND		10	1.2	ug/L			10/02/17 18:28	1
Bromobenzene	ND		1.0	0.31	ug/L			10/02/17 18:28	1
Bromochloromethane	ND		1.0	0.47	ug/L			10/02/17 18:28	1
4-Chlorotoluene	ND		1.0	0.23	ug/L			10/02/17 18:28	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/02/17 18:28	1
Acetone	ND		10	1.8	ug/L			10/02/17 18:28	1
Benzene	ND		1.0	0.28	ug/L			10/02/17 18:28	1
Bromoform	ND		1.0	0.43	ug/L			10/02/17 18:28	1
Bromomethane	ND		1.0	0.42	ug/L			10/02/17 18:28	1
Carbon disulfide	ND		1.0	0.34	ug/L			10/02/17 18:28	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			10/02/17 18:28	1
Chlorobenzene	ND		1.0	0.32	ug/L			10/02/17 18:28	1
Chloroethane	ND		1.0	0.41	ug/L			10/02/17 18:28	1
Chloroform	ND		1.0	0.31	ug/L			10/02/17 18:28	1
Chloromethane	ND		1.0	0.43	ug/L			10/02/17 18:28	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/02/17 18:28	1
cis-1,3-Dichloropropene	ND		1.0	0.26	ug/L			10/02/17 18:28	1
Cyclohexane	ND		1.0	0.44	ug/L			10/02/17 18:28	1
Hexachlorobutadiene	ND		1.0	0.36	ug/L			10/02/17 18:28	1
Dibromomethane	ND		1.0	0.46	ug/L			10/02/17 18:28	1
Bromodichloromethane	ND		1.0	0.30	ug/L			10/02/17 18:28	1
Dichlorodifluoromethane	ND		1.0	0.50	ug/L			10/02/17 18:28	1
Dichlorofluoromethane	ND		2.0	0.43	ug/L			10/02/17 18:28	1
Ethyl ether	ND		2.0	0.35	ug/L			10/02/17 18:28	1
Ethylbenzene	ND		1.0	0.26	ug/L			10/02/17 18:28	1
1,2-Dibromoethane	ND		1.0	0.23	ug/L			10/02/17 18:28	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: TRIP BLANK11

Lab Sample ID: 240-85395-22

Date Collected: 09/20/17 00:00

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.25	ug/L			10/02/17 18:28	1
m-Xylene & p-Xylene	ND		2.0	0.24	ug/L			10/02/17 18:28	1
n-Butylbenzene	ND		1.0	0.21	ug/L			10/02/17 18:28	1
Isopropylbenzene	ND		1.0	0.21	ug/L			10/02/17 18:28	1
Methyl acetate	ND		10	1.4	ug/L			10/02/17 18:28	1
N-Propylbenzene	ND		1.0	0.45	ug/L			10/02/17 18:28	1
2-Butanone (MEK)	ND		10	1.0	ug/L			10/02/17 18:28	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.71	ug/L			10/02/17 18:28	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/02/17 18:28	1
Methyl tert butyl ether	ND		1.0	0.27	ug/L			10/02/17 18:28	1
Methylene Chloride	ND		1.0	0.53	ug/L			10/02/17 18:28	1
o-Xylene	ND		1.0	0.28	ug/L			10/02/17 18:28	1
Styrene	ND		1.0	0.23	ug/L			10/02/17 18:28	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/02/17 18:28	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/02/17 18:28	1
Tetrahydrofuran	ND		5.0	0.84	ug/L			10/02/17 18:28	1
Toluene	ND		1.0	0.23	ug/L			10/02/17 18:28	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			10/02/17 18:28	1
trans-1,3-Dichloropropene	ND		1.0	0.31	ug/L			10/02/17 18:28	1
Trichloroethene	ND		1.0	0.33	ug/L			10/02/17 18:28	1
Trichlorofluoromethane	ND		1.0	0.50	ug/L			10/02/17 18:28	1
Vinyl chloride	ND		1.0	0.45	ug/L			10/02/17 18:28	1
Methylcyclohexane	ND		1.0	0.45	ug/L			10/02/17 18:28	1
Chlorodibromomethane	ND		1.0	0.25	ug/L			10/02/17 18:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	127		61 - 138		10/02/17 18:28	1
4-Bromofluorobenzene (Surr)	112		69 - 120		10/02/17 18:28	1
Toluene-d8 (Surr)	102		73 - 120		10/02/17 18:28	1
Dibromofluoromethane (Surr)	127	X	69 - 124		10/02/17 18:28	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-25-(20170920)

Lab Sample ID: 240-85395-23

Date Collected: 09/20/17 15:48

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		20	9.2	ug/L			10/03/17 15:45	20
1,1,1-Trichloroethane	ND		20	4.6	ug/L			10/03/17 15:45	20
1,1,2,2-Tetrachloroethane	ND		20	6.4	ug/L			10/03/17 15:45	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	8.2	ug/L			10/03/17 15:45	20
1,1,2-Trichloroethane	ND		20	6.8	ug/L			10/03/17 15:45	20
1,1-Dichloroethane	ND		20	5.0	ug/L			10/03/17 15:45	20
1,1-Dichloroethene	ND		20	5.4	ug/L			10/03/17 15:45	20
1,1-Dichloropropene	ND		20	5.6	ug/L			10/03/17 15:45	20
1,2,3-Trichlorobenzene	ND		20	7.0	ug/L			10/03/17 15:45	20
1,2,3-Trichloropropane	ND		20	11	ug/L			10/03/17 15:45	20
1,2,4-Trichlorobenzene	ND		20	5.4	ug/L			10/03/17 15:45	20
1,2,4-Trimethylbenzene	68		20	4.8	ug/L			10/03/17 15:45	20
1,2-Dibromo-3-Chloropropane	ND		40	9.4	ug/L			10/03/17 15:45	20
1,2-Dichlorobenzene	ND		20	5.2	ug/L			10/03/17 15:45	20
1,2-Dichloroethane	ND		20	6.0	ug/L			10/03/17 15:45	20
1,2-Dichloropropane	ND		20	6.0	ug/L			10/03/17 15:45	20
1,3,5-Trimethylbenzene	ND		20	4.8	ug/L			10/03/17 15:45	20
1,3-Dichlorobenzene	ND		20	6.4	ug/L			10/03/17 15:45	20
1,3-Dichloropropane	ND		20	5.8	ug/L			10/03/17 15:45	20
1,4-Dichlorobenzene	ND		20	4.6	ug/L			10/03/17 15:45	20
Allyl chloride	ND		40	7.6	ug/L			10/03/17 15:45	20
2,2-Dichloropropane	ND		20	6.8	ug/L			10/03/17 15:45	20
2-Chlorotoluene	ND		20	5.6	ug/L			10/03/17 15:45	20
2-Hexanone	ND		200	25	ug/L			10/03/17 15:45	20
Bromobenzene	ND		20	6.2	ug/L			10/03/17 15:45	20
Bromochloromethane	ND		20	9.4	ug/L			10/03/17 15:45	20
4-Chlorotoluene	ND		20	4.6	ug/L			10/03/17 15:45	20
p-Isopropyltoluene	ND		20	5.8	ug/L			10/03/17 15:45	20
Acetone	ND		200	35	ug/L			10/03/17 15:45	20
Benzene	ND		20	5.6	ug/L			10/03/17 15:45	20
Bromoform	ND		20	8.6	ug/L			10/03/17 15:45	20
Bromomethane	ND		20	8.4	ug/L			10/03/17 15:45	20
Carbon disulfide	ND		20	6.8	ug/L			10/03/17 15:45	20
Carbon tetrachloride	ND		20	7.0	ug/L			10/03/17 15:45	20
Chlorobenzene	ND		20	6.4	ug/L			10/03/17 15:45	20
Chloroethane	ND		20	8.2	ug/L			10/03/17 15:45	20
Chloroform	ND		20	6.2	ug/L			10/03/17 15:45	20
Chloromethane	ND		20	8.6	ug/L			10/03/17 15:45	20
cis-1,2-Dichloroethene	ND		20	6.0	ug/L			10/03/17 15:45	20
cis-1,3-Dichloropropene	ND		20	5.2	ug/L			10/03/17 15:45	20
Cyclohexane	ND		20	8.8	ug/L			10/03/17 15:45	20
Hexachlorobutadiene	ND		20	7.2	ug/L			10/03/17 15:45	20
Dibromomethane	ND		20	9.2	ug/L			10/03/17 15:45	20
Bromodichloromethane	ND		20	6.0	ug/L			10/03/17 15:45	20
Dichlorodifluoromethane	ND		20	10	ug/L			10/03/17 15:45	20
Dichlorofluoromethane	ND		40	8.6	ug/L			10/03/17 15:45	20
Ethyl ether	ND		40	7.0	ug/L			10/03/17 15:45	20
Ethylbenzene	59		20	5.2	ug/L			10/03/17 15:45	20
1,2-Dibromoethane	ND		20	4.6	ug/L			10/03/17 15:45	20

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-25-(20170920)

Lab Sample ID: 240-85395-23

Date Collected: 09/20/17 15:48

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		20	5.0	ug/L			10/03/17 15:45	20
m-Xylene & p-Xylene	43		40	4.8	ug/L			10/03/17 15:45	20
n-Butylbenzene	150		20	4.2	ug/L			10/03/17 15:45	20
Isopropylbenzene	7.1 J		20	4.2	ug/L			10/03/17 15:45	20
Methyl acetate	ND		200	29	ug/L			10/03/17 15:45	20
N-Propylbenzene	25		20	9.0	ug/L			10/03/17 15:45	20
2-Butanone (MEK)	ND		200	20	ug/L			10/03/17 15:45	20
4-Methyl-2-pentanone (MIBK)	ND		200	14	ug/L			10/03/17 15:45	20
sec-Butylbenzene	12 J		20	5.4	ug/L			10/03/17 15:45	20
Methyl tert butyl ether	ND		20	5.4	ug/L			10/02/17 18:50	20
Methylene Chloride	ND		20	11	ug/L			10/03/17 15:45	20
o-Xylene	ND		20	5.6	ug/L			10/03/17 15:45	20
Styrene	ND		20	4.6	ug/L			10/03/17 15:45	20
tert-Butylbenzene	ND		20	5.2	ug/L			10/03/17 15:45	20
Tetrachloroethene	ND		20	6.0	ug/L			10/03/17 15:45	20
Tetrahydrofuran	ND		100	17	ug/L			10/03/17 15:45	20
Toluene	ND		20	4.6	ug/L			10/03/17 15:45	20
trans-1,2-Dichloroethene	ND		20	5.8	ug/L			10/03/17 15:45	20
trans-1,3-Dichloropropene	ND		20	6.2	ug/L			10/03/17 15:45	20
Trichloroethene	ND		20	6.6	ug/L			10/03/17 15:45	20
Trichlorofluoromethane	ND		20	10	ug/L			10/03/17 15:45	20
Vinyl chloride	ND		20	9.0	ug/L			10/03/17 15:45	20
Methylcyclohexane	ND		20	9.0	ug/L			10/03/17 15:45	20
Chlorodibromomethane	ND		20	5.0	ug/L			10/03/17 15:45	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	131		61 - 138		10/02/17 18:50	20
1,2-Dichloroethane-d4 (Surr)	104		61 - 138		10/03/17 15:45	20
4-Bromofluorobenzene (Surr)	108		69 - 120		10/02/17 18:50	20
4-Bromofluorobenzene (Surr)	99		69 - 120		10/03/17 15:45	20
Toluene-d8 (Surr)	102		73 - 120		10/02/17 18:50	20
Toluene-d8 (Surr)	90		73 - 120		10/03/17 15:45	20
Dibromofluoromethane (Surr)	133	X	69 - 124		10/02/17 18:50	20
Dibromofluoromethane (Surr)	103		69 - 124		10/03/17 15:45	20

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.042	ug/L		09/27/17 09:28	09/29/17 15:41	1
Acenaphthylene	ND		0.19	0.046	ug/L		09/27/17 09:28	09/29/17 15:41	1
Acetophenone	ND		0.95	0.32	ug/L		09/27/17 09:28	09/29/17 15:41	1
Anthracene	ND		0.19	0.084	ug/L		09/27/17 09:28	09/29/17 15:41	1
Atrazine	ND		1.9	0.32	ug/L		09/27/17 09:28	09/29/17 15:41	1
Benzaldehyde	ND		1.9	0.37	ug/L		09/27/17 09:28	09/29/17 15:41	1
Benzo[a]anthracene	ND		0.19	0.028	ug/L		09/27/17 09:28	09/29/17 15:41	1
Benzo[b]fluoranthene	ND		0.19	0.038	ug/L		09/27/17 09:28	09/29/17 15:41	1
Benzo[k]fluoranthene	ND		0.19	0.043	ug/L		09/27/17 09:28	09/29/17 15:41	1
Benzo[g,h,i]perylene	ND		0.19	0.044	ug/L		09/27/17 09:28	09/29/17 15:41	1
Benzo[a]pyrene	ND		0.19	0.049	ug/L		09/27/17 09:28	09/29/17 15:41	1
Butyl benzyl phthalate	ND		1.9	0.25	ug/L		09/27/17 09:28	09/29/17 15:41	1
1,1'-Biphenyl	ND		0.95	0.12	ug/L		09/27/17 09:28	09/29/17 15:41	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-25-(20170920)

Lab Sample ID: 240-85395-23

Date Collected: 09/20/17 15:48

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		0.95	0.30	ug/L		09/27/17 09:28	09/29/17 15:41	1
Bis(2-chloroethyl)ether	ND		0.95	0.095	ug/L		09/27/17 09:28	09/29/17 15:41	1
Bis(2-ethylhexyl) phthalate	ND		4.8	1.6	ug/L		09/27/17 09:28	09/29/17 15:41	1
4-Bromophenyl phenyl ether	ND		1.9	0.21	ug/L		09/27/17 09:28	09/29/17 15:41	1
Caprolactam	ND		4.8	0.19	ug/L		09/27/17 09:28	09/29/17 15:41	1
Carbazole	ND		0.95	0.27	ug/L		09/27/17 09:28	09/29/17 15:41	1
4-Chloroaniline	ND		1.9	0.20	ug/L		09/27/17 09:28	09/29/17 15:41	1
4-Chloro-3-methylphenol	ND		1.9	0.20	ug/L		09/27/17 09:28	09/29/17 15:41	1
2-Chloronaphthalene	ND		0.95	0.095	ug/L		09/27/17 09:28	09/29/17 15:41	1
2-Chlorophenol	ND		0.95	0.28	ug/L		09/27/17 09:28	09/29/17 15:41	1
4-Chlorophenyl phenyl ether	ND		1.9	0.29	ug/L		09/27/17 09:28	09/29/17 15:41	1
Chrysene	ND		0.19	0.048	ug/L		09/27/17 09:28	09/29/17 15:41	1
2-Methylnaphthalene	ND		0.19	0.086	ug/L		09/27/17 09:28	09/29/17 15:41	1
3 & 4 Methylphenol	ND		1.9	0.76	ug/L		09/27/17 09:28	09/29/17 15:41	1
Dibenz(a,h)anthracene	ND		0.19	0.042	ug/L		09/27/17 09:28	09/29/17 15:41	1
Dibenzofuran	ND		0.95	0.019	ug/L		09/27/17 09:28	09/29/17 15:41	1
3,3'-Dichlorobenzidine	ND		4.8	0.35	ug/L		09/27/17 09:28	09/29/17 15:41	1
2,4-Dichlorophenol	ND		1.9	0.18	ug/L		09/27/17 09:28	09/29/17 15:41	1
Diethyl phthalate	0.85	J B	1.9	0.57	ug/L		09/27/17 09:28	09/29/17 15:41	1
2,4-Dimethylphenol	ND		1.9	0.24	ug/L		09/27/17 09:28	09/29/17 15:41	1
Dimethyl phthalate	ND		1.9	0.28	ug/L		09/27/17 09:28	09/29/17 15:41	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.3	ug/L		09/27/17 09:28	09/29/17 15:41	1
2,4-Dinitrophenol	ND		4.8	0.30	ug/L		09/27/17 09:28	09/29/17 15:41	1
2,4-Dinitrotoluene	ND		4.8	0.24	ug/L		09/27/17 09:28	09/29/17 15:41	1
Di-n-butyl phthalate	ND		4.8	1.6	ug/L		09/27/17 09:28	09/29/17 15:41	1
Di-n-octyl phthalate	ND		1.9	0.22	ug/L		09/27/17 09:28	09/29/17 15:41	1
Fluoranthene	ND		0.19	0.042	ug/L		09/27/17 09:28	09/29/17 15:41	1
Fluorene	ND		0.19	0.039	ug/L		09/27/17 09:28	09/29/17 15:41	1
Hexachlorobenzene	ND		0.19	0.081	ug/L		09/27/17 09:28	09/29/17 15:41	1
Hexachlorobutadiene	ND		0.95	0.26	ug/L		09/27/17 09:28	09/29/17 15:41	1
Hexachlorocyclopentadiene	ND		9.5	0.23	ug/L		09/27/17 09:28	09/29/17 15:41	1
Hexachloroethane	ND		0.95	0.18	ug/L		09/27/17 09:28	09/29/17 15:41	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		09/27/17 09:28	09/29/17 15:41	1
Isophorone	ND		0.95	0.26	ug/L		09/27/17 09:28	09/29/17 15:41	1
2-Methylphenol	ND		0.95	0.16	ug/L		09/27/17 09:28	09/29/17 15:41	1
Naphthalene	ND		0.19	0.060	ug/L		09/27/17 09:28	09/29/17 15:41	1
2-Nitroaniline	ND *		1.9	0.20	ug/L		09/27/17 09:28	09/29/17 15:41	1
3-Nitroaniline	ND		1.9	0.27	ug/L		09/27/17 09:28	09/29/17 15:41	1
4-Nitroaniline	ND		1.9	0.21	ug/L		09/27/17 09:28	09/29/17 15:41	1
Nitrobenzene	ND		0.95	0.038	ug/L		09/27/17 09:28	09/29/17 15:41	1
2-Nitrophenol	ND		1.9	0.27	ug/L		09/27/17 09:28	09/29/17 15:41	1
4-Nitrophenol	ND		4.8	0.28	ug/L		09/27/17 09:28	09/29/17 15:41	1
N-Nitrosodiphenylamine	ND		0.95	0.30	ug/L		09/27/17 09:28	09/29/17 15:41	1
N-Nitrosodi-n-propylamine	ND		0.95	0.23	ug/L		09/27/17 09:28	09/29/17 15:41	1
2,2'-oxybis[1-chloropropane]	ND		0.95	0.38	ug/L		09/27/17 09:28	09/29/17 15:41	1
Pentachlorophenol	ND		4.8	0.26	ug/L		09/27/17 09:28	09/29/17 15:41	1
Phenanthrene	ND		0.19	0.059	ug/L		09/27/17 09:28	09/29/17 15:41	1
Phenol	ND		0.95	0.57	ug/L		09/27/17 09:28	09/29/17 15:41	1
Pyrene	ND		0.19	0.040	ug/L		09/27/17 09:28	09/29/17 15:41	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-25-(20170920)

Lab Sample ID: 240-85395-23

Date Collected: 09/20/17 15:48

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		4.8	0.29	ug/L		09/27/17 09:28	09/29/17 15:41	1
2,4,6-Trichlorophenol	ND		4.8	0.23	ug/L		09/27/17 09:28	09/29/17 15:41	1
2,6-Dinitrotoluene	ND		4.8	0.76	ug/L		09/27/17 09:28	09/29/17 15:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	85		38 - 120				09/27/17 09:28	09/29/17 15:41	1
2-Fluorophenol (Surr)	45		10 - 120				09/27/17 09:28	09/29/17 15:41	1
2,4,6-Tribromophenol (Surr)	80		28 - 120				09/27/17 09:28	09/29/17 15:41	1
Nitrobenzene-d5 (Surr)	75		32 - 120				09/27/17 09:28	09/29/17 15:41	1
Phenol-d5 (Surr)	28		10 - 120				09/27/17 09:28	09/29/17 15:41	1
Terphenyl-d14 (Surr)	95		23 - 127				09/27/17 09:28	09/29/17 15:41	1

Method: WI-GRO - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
WI Gasoline Range Organics (C6-C10)	5700		1000	200	ug/L			10/03/17 05:45	10

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.19	0.048	ug/L		09/27/17 13:47	09/29/17 12:24	1
Aroclor-1221	ND		0.19	0.087	ug/L		09/27/17 13:47	09/29/17 12:24	1
Aroclor-1232	ND		0.19	0.067	ug/L		09/27/17 13:47	09/29/17 12:24	1
Aroclor-1242	ND		0.19	0.058	ug/L		09/27/17 13:47	09/29/17 12:24	1
Aroclor-1248	ND		0.19	0.048	ug/L		09/27/17 13:47	09/29/17 12:24	1
Aroclor-1254	ND		0.19	0.029	ug/L		09/27/17 13:47	09/29/17 12:24	1
Aroclor-1260	ND		0.19	0.038	ug/L		09/27/17 13:47	09/29/17 12:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	53		10 - 120				09/27/17 13:47	09/29/17 12:24	1
Tetrachloro-m-xylene	72		21 - 120				09/27/17 13:47	09/29/17 12:24	1

Method: WI-DRO - Wisconsin - Diesel Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
WI Diesel Range Organics (C10-C28)	7.0	B	0.95	0.19	mg/L		09/27/17 17:14	09/29/17 16:35	10

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	130	J	200	2.4	ug/L		09/25/17 14:00	09/26/17 21:01	1
Aluminum	ND		200	40	ug/L		09/25/17 14:00	09/26/17 21:01	1
Cadmium	ND		5.0	0.29	ug/L		09/25/17 14:00	09/26/17 21:01	1
Chromium	1.4	J	10	0.55	ug/L		09/25/17 14:00	09/26/17 21:01	1
Silver	ND		10	0.92	ug/L		09/25/17 14:00	09/26/17 21:01	1
Arsenic	ND		10	3.3	ug/L		09/25/17 14:00	09/26/17 21:01	1
Beryllium	ND		5.0	0.21	ug/L		09/25/17 14:00	09/26/17 21:01	1
Lead	ND		3.0	1.9	ug/L		09/25/17 14:00	09/26/17 21:01	1
Calcium	170000		5000	710	ug/L		09/25/17 14:00	09/26/17 21:01	1
Cobalt	ND		7.0	0.84	ug/L		09/25/17 14:00	09/26/17 21:01	1
Copper	ND		25	3.9	ug/L		09/25/17 14:00	09/26/17 21:01	1
Iron	1700		100	25	ug/L		09/25/17 14:00	09/26/17 21:01	1
Potassium	3300	J	5000	70	ug/L		09/25/17 14:00	09/26/17 21:01	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-25-(20170920)

Lab Sample ID: 240-85395-23

Date Collected: 09/20/17 15:48

Matrix: Water

Date Received: 09/22/17 09:00

Method: 6010B - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	54000		5000	230	ug/L	-	09/25/17 14:00	09/26/17 21:01	1
Manganese	950		15	5.1	ug/L	-	09/25/17 14:00	09/26/17 21:01	1
Sodium	48000		5000	330	ug/L	-	09/25/17 14:00	09/26/17 21:01	1
Nickel	ND		40	1.6	ug/L	-	09/25/17 14:00	09/26/17 21:01	1
Antimony	ND		10	3.1	ug/L	-	09/25/17 14:00	09/26/17 21:01	1
Vanadium	ND		10	4.4	ug/L	-	09/25/17 14:00	09/26/17 21:01	1
Zinc	ND		50	16	ug/L	-	09/25/17 14:00	09/26/17 21:01	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		1.0	0.20	ug/L	-	09/25/17 14:00	09/26/17 16:04	1
Selenium	ND		5.0	0.89	ug/L	-	09/25/17 14:00	09/26/17 16:04	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L	-	09/25/17 14:00	09/26/17 12:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0070	mg/L	-	09/28/17 08:48	09/28/17 17:02	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: TRIP BLANK12

Lab Sample ID: 240-85395-24

Date Collected: 09/20/17 00:00

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.46	ug/L			10/02/17 19:12	1
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			10/02/17 19:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.32	ug/L			10/02/17 19:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			10/02/17 19:12	1
1,1,2-Trichloroethane	ND		1.0	0.34	ug/L			10/02/17 19:12	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			10/02/17 19:12	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			10/02/17 19:12	1
1,1-Dichloropropene	ND		1.0	0.28	ug/L			10/02/17 19:12	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/02/17 19:12	1
1,2,3-Trichloropropane	ND		1.0	0.54	ug/L			10/02/17 19:12	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			10/02/17 19:12	1
1,2,4-Trimethylbenzene	ND		1.0	0.24	ug/L			10/02/17 19:12	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.47	ug/L			10/02/17 19:12	1
1,2-Dichlorobenzene	ND		1.0	0.26	ug/L			10/02/17 19:12	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/02/17 19:12	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/02/17 19:12	1
1,3,5-Trimethylbenzene	ND		1.0	0.24	ug/L			10/02/17 19:12	1
1,3-Dichlorobenzene	ND		1.0	0.32	ug/L			10/02/17 19:12	1
1,3-Dichloropropane	ND		1.0	0.29	ug/L			10/02/17 19:12	1
1,4-Dichlorobenzene	ND		1.0	0.23	ug/L			10/02/17 19:12	1
Allyl chloride	ND		2.0	0.38	ug/L			10/02/17 19:12	1
2,2-Dichloropropane	ND		1.0	0.34	ug/L			10/02/17 19:12	1
2-Chlorotoluene	ND		1.0	0.28	ug/L			10/02/17 19:12	1
2-Hexanone	ND		10	1.2	ug/L			10/02/17 19:12	1
Bromobenzene	ND		1.0	0.31	ug/L			10/02/17 19:12	1
Bromochloromethane	ND		1.0	0.47	ug/L			10/02/17 19:12	1
4-Chlorotoluene	ND		1.0	0.23	ug/L			10/02/17 19:12	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/02/17 19:12	1
Acetone	ND		10	1.8	ug/L			10/02/17 19:12	1
Benzene	ND		1.0	0.28	ug/L			10/02/17 19:12	1
Bromoform	ND		1.0	0.43	ug/L			10/02/17 19:12	1
Bromomethane	ND		1.0	0.42	ug/L			10/02/17 19:12	1
Carbon disulfide	ND		1.0	0.34	ug/L			10/02/17 19:12	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			10/02/17 19:12	1
Chlorobenzene	ND		1.0	0.32	ug/L			10/02/17 19:12	1
Chloroethane	ND		1.0	0.41	ug/L			10/02/17 19:12	1
Chloroform	ND		1.0	0.31	ug/L			10/02/17 19:12	1
Chloromethane	ND		1.0	0.43	ug/L			10/02/17 19:12	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/02/17 19:12	1
cis-1,3-Dichloropropene	ND		1.0	0.26	ug/L			10/02/17 19:12	1
Cyclohexane	ND		1.0	0.44	ug/L			10/02/17 19:12	1
Hexachlorobutadiene	ND		1.0	0.36	ug/L			10/02/17 19:12	1
Dibromomethane	ND		1.0	0.46	ug/L			10/02/17 19:12	1
Bromodichloromethane	ND		1.0	0.30	ug/L			10/02/17 19:12	1
Dichlorodifluoromethane	ND		1.0	0.50	ug/L			10/02/17 19:12	1
Dichlorofluoromethane	ND		2.0	0.43	ug/L			10/02/17 19:12	1
Ethyl ether	ND		2.0	0.35	ug/L			10/02/17 19:12	1
Ethylbenzene	ND		1.0	0.26	ug/L			10/02/17 19:12	1
1,2-Dibromoethane	ND		1.0	0.23	ug/L			10/02/17 19:12	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: TRIP BLANK12

Lab Sample ID: 240-85395-24

Date Collected: 09/20/17 00:00

Matrix: Water

Date Received: 09/22/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.25	ug/L			10/02/17 19:12	1
m-Xylene & p-Xylene	ND		2.0	0.24	ug/L			10/02/17 19:12	1
n-Butylbenzene	ND		1.0	0.21	ug/L			10/02/17 19:12	1
Isopropylbenzene	ND		1.0	0.21	ug/L			10/02/17 19:12	1
Methyl acetate	ND		10	1.4	ug/L			10/02/17 19:12	1
N-Propylbenzene	ND		1.0	0.45	ug/L			10/02/17 19:12	1
2-Butanone (MEK)	ND		10	1.0	ug/L			10/02/17 19:12	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.71	ug/L			10/02/17 19:12	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/02/17 19:12	1
Methyl tert butyl ether	ND		1.0	0.27	ug/L			10/02/17 19:12	1
Methylene Chloride	ND		1.0	0.53	ug/L			10/02/17 19:12	1
o-Xylene	ND		1.0	0.28	ug/L			10/02/17 19:12	1
Styrene	ND		1.0	0.23	ug/L			10/02/17 19:12	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/02/17 19:12	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/02/17 19:12	1
Tetrahydrofuran	ND		5.0	0.84	ug/L			10/02/17 19:12	1
Toluene	ND		1.0	0.23	ug/L			10/02/17 19:12	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			10/02/17 19:12	1
trans-1,3-Dichloropropene	ND		1.0	0.31	ug/L			10/02/17 19:12	1
Trichloroethene	ND		1.0	0.33	ug/L			10/02/17 19:12	1
Trichlorofluoromethane	ND		1.0	0.50	ug/L			10/02/17 19:12	1
Vinyl chloride	ND		1.0	0.45	ug/L			10/02/17 19:12	1
Methylcyclohexane	ND		1.0	0.45	ug/L			10/02/17 19:12	1
Chlorodibromomethane	ND		1.0	0.25	ug/L			10/02/17 19:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	126		61 - 138		10/02/17 19:12	1
4-Bromofluorobenzene (Surr)	108		69 - 120		10/02/17 19:12	1
Toluene-d8 (Surr)	104		73 - 120		10/02/17 19:12	1
Dibromofluoromethane (Surr)	127	X	69 - 124		10/02/17 19:12	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-26-(20170920)

Lab Sample ID: 240-85395-25

Date Collected: 09/20/17 17:15

Matrix: Water

Date Received: 09/23/17 09:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.46	ug/L			10/03/17 16:09	1
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			10/03/17 16:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.32	ug/L			10/03/17 16:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			10/03/17 16:09	1
1,1,2-Trichloroethane	ND		1.0	0.34	ug/L			10/03/17 16:09	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			10/03/17 16:09	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			10/03/17 16:09	1
1,1-Dichloropropene	ND		1.0	0.28	ug/L			10/03/17 16:09	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/03/17 16:09	1
1,2,3-Trichloropropane	ND		1.0	0.54	ug/L			10/03/17 16:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			10/03/17 16:09	1
1,2,4-Trimethylbenzene	ND		1.0	0.24	ug/L			10/03/17 16:09	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.47	ug/L			10/03/17 16:09	1
1,2-Dichlorobenzene	ND		1.0	0.26	ug/L			10/03/17 16:09	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/03/17 16:09	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/03/17 16:09	1
1,3,5-Trimethylbenzene	ND		1.0	0.24	ug/L			10/03/17 16:09	1
1,3-Dichlorobenzene	ND		1.0	0.32	ug/L			10/03/17 16:09	1
1,3-Dichloropropane	ND		1.0	0.29	ug/L			10/03/17 16:09	1
1,4-Dichlorobenzene	ND		1.0	0.23	ug/L			10/03/17 16:09	1
Allyl chloride	ND		2.0	0.38	ug/L			10/03/17 16:09	1
2,2-Dichloropropane	ND		1.0	0.34	ug/L			10/03/17 16:09	1
2-Chlorotoluene	ND		1.0	0.28	ug/L			10/03/17 16:09	1
2-Hexanone	ND		10	1.2	ug/L			10/03/17 16:09	1
Bromobenzene	ND		1.0	0.31	ug/L			10/03/17 16:09	1
Bromochloromethane	ND		1.0	0.47	ug/L			10/03/17 16:09	1
4-Chlorotoluene	ND		1.0	0.23	ug/L			10/03/17 16:09	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/03/17 16:09	1
Acetone	ND		10	1.8	ug/L			10/03/17 16:09	1
Benzene	ND		1.0	0.28	ug/L			10/03/17 16:09	1
Bromoform	ND		1.0	0.43	ug/L			10/03/17 16:09	1
Bromomethane	ND		1.0	0.42	ug/L			10/03/17 16:09	1
Carbon disulfide	ND		1.0	0.34	ug/L			10/03/17 16:09	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			10/03/17 16:09	1
Chlorobenzene	3.6		1.0	0.32	ug/L			10/03/17 16:09	1
Chloroethane	ND		1.0	0.41	ug/L			10/03/17 16:09	1
Chloroform	ND		1.0	0.31	ug/L			10/03/17 16:09	1
Chloromethane	ND		1.0	0.43	ug/L			10/03/17 16:09	1
cis-1,2-Dichloroethene	1.2		1.0	0.30	ug/L			10/03/17 16:09	1
cis-1,3-Dichloropropene	ND		1.0	0.26	ug/L			10/03/17 16:09	1
Cyclohexane	ND		1.0	0.44	ug/L			10/03/17 16:09	1
Hexachlorobutadiene	ND		1.0	0.36	ug/L			10/03/17 16:09	1
Dibromomethane	ND		1.0	0.46	ug/L			10/03/17 16:09	1
Bromodichloromethane	ND		1.0	0.30	ug/L			10/03/17 16:09	1
Dichlorodifluoromethane	ND		1.0	0.50	ug/L			10/03/17 16:09	1
Dichlorofluoromethane	ND		2.0	0.43	ug/L			10/03/17 16:09	1
Ethyl ether	ND		2.0	0.35	ug/L			10/03/17 16:09	1
Ethylbenzene	ND		1.0	0.26	ug/L			10/03/17 16:09	1
1,2-Dibromoethane	ND		1.0	0.23	ug/L			10/03/17 16:09	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-26-(20170920)

Lab Sample ID: 240-85395-25

Date Collected: 09/20/17 17:15

Matrix: Water

Date Received: 09/23/17 09:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.25	ug/L			10/03/17 16:09	1
m-Xylene & p-Xylene	ND		2.0	0.24	ug/L			10/03/17 16:09	1
n-Butylbenzene	ND		1.0	0.21	ug/L			10/03/17 16:09	1
Isopropylbenzene	ND		1.0	0.21	ug/L			10/03/17 16:09	1
Methyl acetate	ND		10	1.4	ug/L			10/03/17 16:09	1
N-Propylbenzene	ND		1.0	0.45	ug/L			10/03/17 16:09	1
2-Butanone (MEK)	ND		10	1.0	ug/L			10/03/17 16:09	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.71	ug/L			10/03/17 16:09	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/03/17 16:09	1
Methyl tert butyl ether	ND		1.0	0.27	ug/L			10/02/17 19:34	1
Methylene Chloride	ND		1.0	0.53	ug/L			10/03/17 16:09	1
o-Xylene	ND		1.0	0.28	ug/L			10/03/17 16:09	1
Styrene	ND		1.0	0.23	ug/L			10/03/17 16:09	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/03/17 16:09	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/03/17 16:09	1
Tetrahydrofuran	ND		5.0	0.84	ug/L			10/03/17 16:09	1
Toluene	ND		1.0	0.23	ug/L			10/03/17 16:09	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			10/03/17 16:09	1
trans-1,3-Dichloropropene	ND		1.0	0.31	ug/L			10/03/17 16:09	1
Trichloroethene	ND		1.0	0.33	ug/L			10/03/17 16:09	1
Trichlorofluoromethane	ND		1.0	0.50	ug/L			10/03/17 16:09	1
Vinyl chloride	ND		1.0	0.45	ug/L			10/03/17 16:09	1
Methylcyclohexane	ND		1.0	0.45	ug/L			10/03/17 16:09	1
Chlorodibromomethane	ND		1.0	0.25	ug/L			10/03/17 16:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	122		61 - 138		10/02/17 19:34	1
1,2-Dichloroethane-d4 (Surr)	105		61 - 138		10/03/17 16:09	1
4-Bromofluorobenzene (Surr)	104		69 - 120		10/02/17 19:34	1
4-Bromofluorobenzene (Surr)	94		69 - 120		10/03/17 16:09	1
Toluene-d8 (Surr)	98		73 - 120		10/02/17 19:34	1
Toluene-d8 (Surr)	89		73 - 120		10/03/17 16:09	1
Dibromofluoromethane (Surr)	128	X	69 - 124		10/02/17 19:34	1
Dibromofluoromethane (Surr)	99		69 - 124		10/03/17 16:09	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.72		0.19	0.042	ug/L		09/27/17 09:28	09/29/17 18:55	1
Acenaphthylene	0.19		0.19	0.046	ug/L		09/27/17 09:28	09/29/17 18:55	1
Acetophenone	ND		0.95	0.32	ug/L		09/27/17 09:28	09/29/17 18:55	1
Anthracene	0.60		0.19	0.084	ug/L		09/27/17 09:28	09/29/17 18:55	1
Atrazine	ND		1.9	0.32	ug/L		09/27/17 09:28	09/29/17 18:55	1
Benzaldehyde	ND		1.9	0.37	ug/L		09/27/17 09:28	09/29/17 18:55	1
Benzo[a]anthracene	1.8		0.19	0.028	ug/L		09/27/17 09:28	09/29/17 18:55	1
Benzo[b]fluoranthene	1.8		0.19	0.038	ug/L		09/27/17 09:28	09/29/17 18:55	1
Benzo[k]fluoranthene	0.93		0.19	0.043	ug/L		09/27/17 09:28	09/29/17 18:55	1
Benzo[g,h,i]perylene	0.98		0.19	0.044	ug/L		09/27/17 09:28	09/29/17 18:55	1
Benzo[a]pyrene	1.8		0.19	0.049	ug/L		09/27/17 09:28	09/29/17 18:55	1
Butyl benzyl phthalate	ND		1.9	0.25	ug/L		09/27/17 09:28	09/29/17 18:55	1
1,1'-Biphenyl	ND		0.95	0.12	ug/L		09/27/17 09:28	09/29/17 18:55	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-26-(20170920)

Lab Sample ID: 240-85395-25

Date Collected: 09/20/17 17:15

Matrix: Water

Date Received: 09/23/17 09:20

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		0.95	0.30	ug/L		09/27/17 09:28	09/29/17 18:55	1
Bis(2-chloroethyl)ether	ND		0.95	0.095	ug/L		09/27/17 09:28	09/29/17 18:55	1
Bis(2-ethylhexyl) phthalate	1.8	J	4.8	1.6	ug/L		09/27/17 09:28	09/29/17 18:55	1
4-Bromophenyl phenyl ether	ND		1.9	0.21	ug/L		09/27/17 09:28	09/29/17 18:55	1
Caprolactam	11		4.8	0.19	ug/L		09/27/17 09:28	09/29/17 18:55	1
Carbazole	0.33	J	0.95	0.27	ug/L		09/27/17 09:28	09/29/17 18:55	1
4-Chloroaniline	ND		1.9	0.20	ug/L		09/27/17 09:28	09/29/17 18:55	1
4-Chloro-3-methylphenol	ND		1.9	0.20	ug/L		09/27/17 09:28	09/29/17 18:55	1
2-Chloronaphthalene	ND		0.95	0.095	ug/L		09/27/17 09:28	09/29/17 18:55	1
2-Chlorophenol	ND		0.95	0.28	ug/L		09/27/17 09:28	09/29/17 18:55	1
4-Chlorophenyl phenyl ether	ND		1.9	0.29	ug/L		09/27/17 09:28	09/29/17 18:55	1
Chrysene	1.9		0.19	0.048	ug/L		09/27/17 09:28	09/29/17 18:55	1
2-Methylnaphthalene	0.24		0.19	0.086	ug/L		09/27/17 09:28	09/29/17 18:55	1
3 & 4 Methylphenol	ND		1.9	0.76	ug/L		09/27/17 09:28	09/29/17 18:55	1
Dibenz(a,h)anthracene	ND		0.19	0.042	ug/L		09/27/17 09:28	09/29/17 18:55	1
Dibenzofuran	0.55	J	0.95	0.019	ug/L		09/27/17 09:28	09/29/17 18:55	1
3,3'-Dichlorobenzidine	ND		4.8	0.35	ug/L		09/27/17 09:28	09/29/17 18:55	1
2,4-Dichlorophenol	ND		1.9	0.18	ug/L		09/27/17 09:28	09/29/17 18:55	1
Diethyl phthalate	1.9	B	1.9	0.57	ug/L		09/27/17 09:28	09/29/17 18:55	1
2,4-Dimethylphenol	ND		1.9	0.24	ug/L		09/27/17 09:28	09/29/17 18:55	1
Dimethyl phthalate	ND		1.9	0.28	ug/L		09/27/17 09:28	09/29/17 18:55	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.3	ug/L		09/27/17 09:28	09/29/17 18:55	1
2,4-Dinitrophenol	ND		4.8	0.30	ug/L		09/27/17 09:28	09/29/17 18:55	1
2,4-Dinitrotoluene	ND		4.8	0.24	ug/L		09/27/17 09:28	09/29/17 18:55	1
Di-n-butyl phthalate	ND		4.8	1.6	ug/L		09/27/17 09:28	09/29/17 18:55	1
Di-n-octyl phthalate	ND		1.9	0.22	ug/L		09/27/17 09:28	09/29/17 18:55	1
Fluoranthene	3.8		0.19	0.042	ug/L		09/27/17 09:28	09/29/17 18:55	1
Fluorene	1.3		0.19	0.039	ug/L		09/27/17 09:28	09/29/17 18:55	1
Hexachlorobenzene	ND		0.19	0.081	ug/L		09/27/17 09:28	09/29/17 18:55	1
Hexachlorobutadiene	ND		0.95	0.26	ug/L		09/27/17 09:28	09/29/17 18:55	1
Hexachlorocyclopentadiene	ND		9.5	0.23	ug/L		09/27/17 09:28	09/29/17 18:55	1
Hexachloroethane	ND		0.95	0.18	ug/L		09/27/17 09:28	09/29/17 18:55	1
Indeno[1,2,3-cd]pyrene	0.79		0.19	0.041	ug/L		09/27/17 09:28	09/29/17 18:55	1
Isophorone	ND		0.95	0.26	ug/L		09/27/17 09:28	09/29/17 18:55	1
2-Methylphenol	ND		0.95	0.16	ug/L		09/27/17 09:28	09/29/17 18:55	1
Naphthalene	0.19		0.19	0.060	ug/L		09/27/17 09:28	09/29/17 18:55	1
2-Nitroaniline	ND *		1.9	0.20	ug/L		09/27/17 09:28	09/29/17 18:55	1
3-Nitroaniline	ND		1.9	0.27	ug/L		09/27/17 09:28	09/29/17 18:55	1
4-Nitroaniline	ND		1.9	0.21	ug/L		09/27/17 09:28	09/29/17 18:55	1
Nitrobenzene	ND		0.95	0.038	ug/L		09/27/17 09:28	09/29/17 18:55	1
2-Nitrophenol	ND		1.9	0.27	ug/L		09/27/17 09:28	09/29/17 18:55	1
4-Nitrophenol	ND		4.8	0.28	ug/L		09/27/17 09:28	09/29/17 18:55	1
N-Nitrosodiphenylamine	ND		0.95	0.30	ug/L		09/27/17 09:28	09/29/17 18:55	1
N-Nitrosodi-n-propylamine	ND		0.95	0.23	ug/L		09/27/17 09:28	09/29/17 18:55	1
2,2'-oxybis[1-chloropropane]	ND		0.95	0.38	ug/L		09/27/17 09:28	09/29/17 18:55	1
Pentachlorophenol	ND		4.8	0.26	ug/L		09/27/17 09:28	09/29/17 18:55	1
Phenanthrene	1.8		0.19	0.059	ug/L		09/27/17 09:28	09/29/17 18:55	1
Phenol	ND		0.95	0.57	ug/L		09/27/17 09:28	09/29/17 18:55	1
Pyrene	3.7		0.19	0.040	ug/L		09/27/17 09:28	09/29/17 18:55	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-26-(20170920)

Lab Sample ID: 240-85395-25

Date Collected: 09/20/17 17:15

Matrix: Water

Date Received: 09/23/17 09:20

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		4.8	0.29	ug/L		09/27/17 09:28	09/29/17 18:55	1
2,4,6-Trichlorophenol	ND		4.8	0.23	ug/L		09/27/17 09:28	09/29/17 18:55	1
2,6-Dinitrotoluene	ND		4.8	0.76	ug/L		09/27/17 09:28	09/29/17 18:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	91		38 - 120				09/27/17 09:28	09/29/17 18:55	1
2-Fluorophenol (Surr)	40		10 - 120				09/27/17 09:28	09/29/17 18:55	1
2,4,6-Tribromophenol (Surr)	85		28 - 120				09/27/17 09:28	09/29/17 18:55	1
Nitrobenzene-d5 (Surr)	68		32 - 120				09/27/17 09:28	09/29/17 18:55	1
Phenol-d5 (Surr)	26		10 - 120				09/27/17 09:28	09/29/17 18:55	1
Terphenyl-d14 (Surr)	57		23 - 127				09/27/17 09:28	09/29/17 18:55	1

Method: WI-GRO - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
WI Gasoline Range Organics (C6-C10)	ND		100	20	ug/L			10/03/17 06:25	1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.19	0.048	ug/L		09/27/17 13:47	09/29/17 12:44	1
Aroclor-1221	ND		0.19	0.087	ug/L		09/27/17 13:47	09/29/17 12:44	1
Aroclor-1232	ND		0.19	0.067	ug/L		09/27/17 13:47	09/29/17 12:44	1
Aroclor-1242	ND		0.19	0.058	ug/L		09/27/17 13:47	09/29/17 12:44	1
Aroclor-1248	ND		0.19	0.048	ug/L		09/27/17 13:47	09/29/17 12:44	1
Aroclor-1254	ND		0.19	0.029	ug/L		09/27/17 13:47	09/29/17 12:44	1
Aroclor-1260	ND		0.19	0.038	ug/L		09/27/17 13:47	09/29/17 12:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	24		10 - 120				09/27/17 13:47	09/29/17 12:44	1
Tetrachloro-m-xylene	60		21 - 120				09/27/17 13:47	09/29/17 12:44	1

Method: WI-DRO - Wisconsin - Diesel Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
WI Diesel Range Organics (C10-C28)	1.2	B	0.095	0.019	mg/L		09/27/17 17:14	09/28/17 20:32	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	220		200	2.4	ug/L		09/25/17 14:00	09/26/17 21:05	1
Aluminum	62	J	200	40	ug/L		09/25/17 14:00	09/26/17 21:05	1
Cadmium	ND		5.0	0.29	ug/L		09/25/17 14:00	09/26/17 21:05	1
Chromium	1.4	J	10	0.55	ug/L		09/25/17 14:00	09/26/17 21:05	1
Silver	ND		10	0.92	ug/L		09/25/17 14:00	09/26/17 21:05	1
Arsenic	9.0	J	10	3.3	ug/L		09/25/17 14:00	09/26/17 21:05	1
Beryllium	ND		5.0	0.21	ug/L		09/25/17 14:00	09/26/17 21:05	1
Lead	ND		3.0	1.9	ug/L		09/25/17 14:00	09/26/17 21:05	1
Calcium	150000		5000	710	ug/L		09/25/17 14:00	09/26/17 21:05	1
Cobalt	0.90	J	7.0	0.84	ug/L		09/25/17 14:00	09/26/17 21:05	1
Copper	ND		25	3.9	ug/L		09/25/17 14:00	09/26/17 21:05	1
Iron	12000		100	25	ug/L		09/25/17 14:00	09/26/17 21:05	1
Potassium	5700		5000	70	ug/L		09/25/17 14:00	09/26/17 21:05	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-26-(20170920)

Lab Sample ID: 240-85395-25

Date Collected: 09/20/17 17:15

Matrix: Water

Date Received: 09/23/17 09:20

Method: 6010B - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	46000		5000	230	ug/L	-	09/25/17 14:00	09/26/17 21:05	1
Manganese	2300		15	5.1	ug/L	-	09/25/17 14:00	09/26/17 21:05	1
Sodium	56000		5000	330	ug/L	-	09/25/17 14:00	09/26/17 21:05	1
Nickel	3.0	J	40	1.6	ug/L	-	09/25/17 14:00	09/26/17 21:05	1
Antimony	ND		10	3.1	ug/L	-	09/25/17 14:00	09/26/17 21:05	1
Vanadium	ND		10	4.4	ug/L	-	09/25/17 14:00	09/26/17 21:05	1
Zinc	ND		50	16	ug/L	-	09/25/17 14:00	09/26/17 21:05	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		1.0	0.20	ug/L	-	09/25/17 14:00	09/26/17 16:08	1
Selenium	ND		5.0	0.89	ug/L	-	09/25/17 14:00	09/26/17 16:08	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L	-	09/25/17 14:00	09/26/17 12:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0070	mg/L	-	09/28/17 08:48	09/28/17 17:04	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: TRIP BLANK13

Lab Sample ID: 240-85395-26

Date Collected: 09/20/17 00:00

Matrix: Water

Date Received: 09/23/17 09:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.46	ug/L			10/02/17 19:56	1
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			10/02/17 19:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.32	ug/L			10/02/17 19:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			10/02/17 19:56	1
1,1,2-Trichloroethane	ND		1.0	0.34	ug/L			10/02/17 19:56	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			10/02/17 19:56	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			10/02/17 19:56	1
1,1-Dichloropropene	ND		1.0	0.28	ug/L			10/02/17 19:56	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/02/17 19:56	1
1,2,3-Trichloropropane	ND		1.0	0.54	ug/L			10/02/17 19:56	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			10/02/17 19:56	1
1,2,4-Trimethylbenzene	ND		1.0	0.24	ug/L			10/02/17 19:56	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.47	ug/L			10/02/17 19:56	1
1,2-Dichlorobenzene	ND		1.0	0.26	ug/L			10/02/17 19:56	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/02/17 19:56	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/02/17 19:56	1
1,3,5-Trimethylbenzene	ND		1.0	0.24	ug/L			10/02/17 19:56	1
1,3-Dichlorobenzene	ND		1.0	0.32	ug/L			10/02/17 19:56	1
1,3-Dichloropropane	ND		1.0	0.29	ug/L			10/02/17 19:56	1
1,4-Dichlorobenzene	ND		1.0	0.23	ug/L			10/02/17 19:56	1
Allyl chloride	ND		2.0	0.38	ug/L			10/02/17 19:56	1
2,2-Dichloropropane	ND		1.0	0.34	ug/L			10/02/17 19:56	1
2-Chlorotoluene	ND		1.0	0.28	ug/L			10/02/17 19:56	1
2-Hexanone	ND		10	1.2	ug/L			10/02/17 19:56	1
Bromobenzene	ND		1.0	0.31	ug/L			10/02/17 19:56	1
Bromochloromethane	ND		1.0	0.47	ug/L			10/02/17 19:56	1
4-Chlorotoluene	ND		1.0	0.23	ug/L			10/02/17 19:56	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/02/17 19:56	1
Acetone	2.3	J	10	1.8	ug/L			10/02/17 19:56	1
Benzene	ND		1.0	0.28	ug/L			10/02/17 19:56	1
Bromoform	ND		1.0	0.43	ug/L			10/02/17 19:56	1
Bromomethane	ND		1.0	0.42	ug/L			10/02/17 19:56	1
Carbon disulfide	ND		1.0	0.34	ug/L			10/02/17 19:56	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			10/02/17 19:56	1
Chlorobenzene	ND		1.0	0.32	ug/L			10/02/17 19:56	1
Chloroethane	ND		1.0	0.41	ug/L			10/02/17 19:56	1
Chloroform	ND		1.0	0.31	ug/L			10/02/17 19:56	1
Chloromethane	ND		1.0	0.43	ug/L			10/02/17 19:56	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/02/17 19:56	1
cis-1,3-Dichloropropene	ND		1.0	0.26	ug/L			10/02/17 19:56	1
Cyclohexane	ND		1.0	0.44	ug/L			10/02/17 19:56	1
Hexachlorobutadiene	ND		1.0	0.36	ug/L			10/02/17 19:56	1
Dibromomethane	ND		1.0	0.46	ug/L			10/02/17 19:56	1
Bromodichloromethane	ND		1.0	0.30	ug/L			10/02/17 19:56	1
Dichlorodifluoromethane	ND		1.0	0.50	ug/L			10/02/17 19:56	1
Dichlorofluoromethane	ND		1.0	0.43	ug/L			10/02/17 19:56	1
Ethyl ether	ND		1.0	0.35	ug/L			10/02/17 19:56	1
Ethylbenzene	ND		1.0	0.26	ug/L			10/02/17 19:56	1
1,2-Dibromoethane	ND		1.0	0.23	ug/L			10/02/17 19:56	1

TestAmerica Canton

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: TRIP BLANK13

Lab Sample ID: 240-85395-26

Date Collected: 09/20/17 00:00

Matrix: Water

Date Received: 09/23/17 09:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.25	ug/L			10/02/17 19:56	1
m-Xylene & p-Xylene	ND		2.0	0.24	ug/L			10/02/17 19:56	1
n-Butylbenzene	ND		1.0	0.21	ug/L			10/02/17 19:56	1
Isopropylbenzene	ND		1.0	0.21	ug/L			10/02/17 19:56	1
Methyl acetate	ND		10	1.4	ug/L			10/02/17 19:56	1
N-Propylbenzene	ND		1.0	0.45	ug/L			10/02/17 19:56	1
2-Butanone (MEK)	ND		10	1.0	ug/L			10/02/17 19:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.71	ug/L			10/02/17 19:56	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/02/17 19:56	1
Methyl tert butyl ether	ND		2.0	0.27	ug/L			10/02/17 19:56	1
Methylene Chloride	ND		1.0	0.53	ug/L			10/02/17 19:56	1
o-Xylene	ND		1.0	0.28	ug/L			10/02/17 19:56	1
Styrene	ND		1.0	0.23	ug/L			10/02/17 19:56	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/02/17 19:56	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/02/17 19:56	1
Tetrahydrofuran	ND		5.0	0.84	ug/L			10/02/17 19:56	1
Toluene	ND		1.0	0.23	ug/L			10/02/17 19:56	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			10/02/17 19:56	1
trans-1,3-Dichloropropene	ND		1.0	0.31	ug/L			10/02/17 19:56	1
Trichloroethene	ND		1.0	0.33	ug/L			10/02/17 19:56	1
Trichlorofluoromethane	ND		1.0	0.50	ug/L			10/02/17 19:56	1
Vinyl chloride	ND		1.0	0.45	ug/L			10/02/17 19:56	1
Methylcyclohexane	ND		1.0	0.45	ug/L			10/02/17 19:56	1
Chlorodibromomethane	ND		1.0	0.25	ug/L			10/02/17 19:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	124		61 - 138		10/02/17 19:56	1
4-Bromofluorobenzene (Surr)	111		69 - 120		10/02/17 19:56	1
Toluene-d8 (Surr)	106		73 - 120		10/02/17 19:56	1
Dibromofluoromethane (Surr)	130	X	69 - 124		10/02/17 19:56	1

TestAmerica Canton

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (61-138)	BFB (69-120)	TOL (73-120)	DBFM (69-124)
240-85327-B-1 MS	Matrix Spike	107	122 X	111	108
240-85327-B-1 MSD	Matrix Spike Duplicate	132	120	107	128 X
240-85395-1	AMW-07-(20170919)	117	118	100	120
240-85395-2	TRIP BLANK1	117	113	103	121
240-85395-5	AMW-19-(20170919)	117	119	103	119
240-85395-6	TRIP BLANK3	108	99	105	99
240-85395-7	AMW-20-(20170920)	112	114	103	115
240-85395-8	TRIP BLANK4	118	121 X	102	119
240-85395-9	DUP-02-(20170920)	114	120	103	116
240-85395-10	TRIP BLANK5	116	112	103	116
240-85395-11	AMW-21-(20170919)	111	102	105	101
240-85395-12	TRIP BLANK6	109	90	94	109
240-85395-13	AMW-22-(20170919)	109	91	94	107
240-85395-14	TRIP BLANK7	107	90	90	107
240-85395-15	AMW-22B-(20170919)	107	87	93	102
240-85395-15 MS	AMW-22B-(20170919)	97	107	99	91
240-85395-15 MSD	AMW-22B-(20170919)	94	108	102	97
240-85395-16	TRIP BLANK8	113	99	104	98
240-85395-17	AMW-23-(20170920)	121	102	104	125 X
240-85395-18	TRIP BLANK9	127	103	100	127 X
240-85395-19	AMW-23B-(20170920)	126	106	104	125 X
240-85395-20	TRIP BLANK10	125	102	102	122
240-85395-21	AMW-24-(20170920)	128	104	105	123
240-85395-22	TRIP BLANK11	127	112	102	127 X
240-85395-23	AMW-25-(20170920)	131	108	102	133 X
240-85395-23	AMW-25-(20170920)	104	99	90	103
240-85395-24	TRIP BLANK12	126	108	104	127 X
240-85395-25	AMW-26-(20170920)	122	104	98	128 X
240-85395-25	AMW-26-(20170920)	105	94	89	99
240-85395-26	TRIP BLANK13	124	111	106	130 X
240-85397-E-25 MS	Matrix Spike	116	106	111	105
240-85397-F-25 MSD	Matrix Spike Duplicate	113	117	106	116
LCS 240-297056/5	Lab Control Sample	91	103	99	89
LCS 240-297061/4	Lab Control Sample	99	119	109	99
LCS 240-297179/4	Lab Control Sample	127	112	111	113
LCS 240-297346/4	Lab Control Sample	96	112	100	90
MB 240-297056/7	Method Blank	99	90	92	101
MB 240-297061/6	Method Blank	106	114	104	104
MB 240-297179/6	Method Blank	129	109	101	125 X
MB 240-297346/6	Method Blank	103	94	95	99

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

TestAmerica Canton

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		FBP (38-120)	2FP (10-120)	TBP (28-120)	NBZ (32-120)	PHL (10-120)	TPH (23-127)
240-85395-1	AMW-07-(20170919)	84	36	52	64	23	97
240-85395-5	AMW-19-(20170919)	70	34	40	61	21	98
240-85395-7	AMW-20-(20170920)	80	38	62	65	24	91
240-85395-9	DUP-02-(20170920)	77	35	60	61	21	88
240-85395-11	AMW-21-(20170919)	92	45	65	73	27	85
240-85395-13	AMW-22-(20170919)	80	37	41	65	25	98
240-85395-15	AMW-22B-(20170919)	82	40	68	67	22	88
240-85395-17	AMW-23-(20170920)	80	41	65	67	24	96
240-85395-19	AMW-23B-(20170920)	84	36	67	69	21	93
240-85395-21	AMW-24-(20170920)	87	43	73	72	26	96
240-85395-23	AMW-25-(20170920)	85	45	80	75	28	95
240-85395-25	AMW-26-(20170920)	91	40	85	68	26	57
LCS 240-296281/22-A	Lab Control Sample	93	53	87	82	34	98
LCS 240-296485/19-A	Lab Control Sample	90	50	84	80	32	100
LCSD 240-296485/20-A	Lab Control Sample Dup	96	53	90	84	36	106
MB 240-296281/21-A	Method Blank	76	48	54	65	30	88
MB 240-296485/18-A	Method Blank	89	51	69	76	32	110

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPH = Terphenyl-d14 (Surr)

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCB2 (10-120)	TCX2 (21-120)
240-85395-1	AMW-07-(20170919)	28	43
240-85395-5	AMW-19-(20170919)	52	51
240-85395-7	AMW-20-(20170920)	48	54
240-85395-9	DUP-02-(20170920)	43	48
240-85395-11	AMW-21-(20170919)	11	46
240-85395-13	AMW-22-(20170919)	40	41
240-85395-15	AMW-22B-(20170919)	37	42
240-85395-17	AMW-23-(20170920)	51	65
240-85395-19	AMW-23B-(20170920)	56	56
240-85395-21	AMW-24-(20170920)	58	56
240-85395-23	AMW-25-(20170920)	53	72
240-85395-25	AMW-26-(20170920)	24	60
LCS 240-296387/19-A	Lab Control Sample	71	58
LCS 240-296554/16-A	Lab Control Sample	67	68
MB 240-296387/18-A	Method Blank	70	60
MB 240-296554/15-A	Method Blank	79	73

Surrogate Legend

TestAmerica Canton

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

DCB = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-297056/7

Matrix: Water

Analysis Batch: 297056

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.46	ug/L			10/01/17 15:00	1
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			10/01/17 15:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.32	ug/L			10/01/17 15:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			10/01/17 15:00	1
1,1,2-Trichloroethane	ND		1.0	0.34	ug/L			10/01/17 15:00	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			10/01/17 15:00	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			10/01/17 15:00	1
1,1-Dichloropropene	ND		1.0	0.28	ug/L			10/01/17 15:00	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/01/17 15:00	1
1,2,3-Trichloropropane	ND		1.0	0.54	ug/L			10/01/17 15:00	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			10/01/17 15:00	1
1,2,4-Trimethylbenzene	ND		1.0	0.24	ug/L			10/01/17 15:00	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.47	ug/L			10/01/17 15:00	1
1,2-Dichlorobenzene	ND		1.0	0.26	ug/L			10/01/17 15:00	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/01/17 15:00	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/01/17 15:00	1
1,3,5-Trimethylbenzene	ND		1.0	0.24	ug/L			10/01/17 15:00	1
1,3-Dichlorobenzene	ND		1.0	0.32	ug/L			10/01/17 15:00	1
1,3-Dichloropropane	ND		1.0	0.29	ug/L			10/01/17 15:00	1
1,4-Dichlorobenzene	ND		1.0	0.23	ug/L			10/01/17 15:00	1
Allyl chloride	ND		2.0	0.38	ug/L			10/01/17 15:00	1
2,2-Dichloropropane	ND		1.0	0.34	ug/L			10/01/17 15:00	1
2-Chlorotoluene	ND		1.0	0.28	ug/L			10/01/17 15:00	1
2-Hexanone	ND		10	1.2	ug/L			10/01/17 15:00	1
Bromobenzene	ND		1.0	0.31	ug/L			10/01/17 15:00	1
Bromochloromethane	ND		1.0	0.47	ug/L			10/01/17 15:00	1
4-Chlorotoluene	ND		1.0	0.23	ug/L			10/01/17 15:00	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/01/17 15:00	1
Acetone	ND		10	1.8	ug/L			10/01/17 15:00	1
Benzene	ND		1.0	0.28	ug/L			10/01/17 15:00	1
Bromoform	ND		1.0	0.43	ug/L			10/01/17 15:00	1
Bromomethane	ND		1.0	0.42	ug/L			10/01/17 15:00	1
Carbon disulfide	ND		1.0	0.34	ug/L			10/01/17 15:00	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			10/01/17 15:00	1
Chlorobenzene	ND		1.0	0.32	ug/L			10/01/17 15:00	1
Chloroethane	ND		1.0	0.41	ug/L			10/01/17 15:00	1
Chloroform	ND		1.0	0.31	ug/L			10/01/17 15:00	1
Chloromethane	ND		1.0	0.43	ug/L			10/01/17 15:00	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/01/17 15:00	1
cis-1,3-Dichloropropene	ND		1.0	0.26	ug/L			10/01/17 15:00	1
Cyclohexane	ND		1.0	0.44	ug/L			10/01/17 15:00	1
Hexachlorobutadiene	ND		1.0	0.36	ug/L			10/01/17 15:00	1
Dibromomethane	ND		1.0	0.46	ug/L			10/01/17 15:00	1
Bromodichloromethane	ND		1.0	0.30	ug/L			10/01/17 15:00	1
Dichlorodifluoromethane	ND		1.0	0.50	ug/L			10/01/17 15:00	1
Dichlorofluoromethane	ND		2.0	0.43	ug/L			10/01/17 15:00	1
Ethyl ether	ND		2.0	0.35	ug/L			10/01/17 15:00	1
Ethylbenzene	ND		1.0	0.26	ug/L			10/01/17 15:00	1

TestAmerica Canton

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-297056/7

Matrix: Water

Analysis Batch: 297056

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		1.0	0.23	ug/L			10/01/17 15:00	1
Naphthalene	ND		1.0	0.25	ug/L			10/01/17 15:00	1
m-Xylene & p-Xylene	ND		2.0	0.24	ug/L			10/01/17 15:00	1
n-Butylbenzene	ND		1.0	0.21	ug/L			10/01/17 15:00	1
Isopropylbenzene	ND		1.0	0.21	ug/L			10/01/17 15:00	1
Methyl acetate	ND		10	1.4	ug/L			10/01/17 15:00	1
N-Propylbenzene	ND		1.0	0.45	ug/L			10/01/17 15:00	1
2-Butanone (MEK)	ND		10	1.0	ug/L			10/01/17 15:00	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.71	ug/L			10/01/17 15:00	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/01/17 15:00	1
Methyl tert butyl ether	ND		1.0	0.27	ug/L			10/01/17 15:00	1
Methylene Chloride	0.621	J	1.0	0.53	ug/L			10/01/17 15:00	1
o-Xylene	ND		1.0	0.28	ug/L			10/01/17 15:00	1
Styrene	ND		1.0	0.23	ug/L			10/01/17 15:00	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/01/17 15:00	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/01/17 15:00	1
Tetrahydrofuran	ND		5.0	0.84	ug/L			10/01/17 15:00	1
Toluene	ND		1.0	0.23	ug/L			10/01/17 15:00	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			10/01/17 15:00	1
trans-1,3-Dichloropropene	ND		1.0	0.31	ug/L			10/01/17 15:00	1
Trichloroethene	ND		1.0	0.33	ug/L			10/01/17 15:00	1
Trichlorofluoromethane	ND		1.0	0.50	ug/L			10/01/17 15:00	1
Vinyl chloride	ND		1.0	0.45	ug/L			10/01/17 15:00	1
Methylcyclohexane	ND		1.0	0.45	ug/L			10/01/17 15:00	1
Chlorodibromomethane	ND		1.0	0.25	ug/L			10/01/17 15:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		61 - 138		10/01/17 15:00	1
4-Bromofluorobenzene (Surr)	90		69 - 120		10/01/17 15:00	1
Toluene-d8 (Surr)	92		73 - 120		10/01/17 15:00	1
Dibromofluoromethane (Surr)	101		69 - 124		10/01/17 15:00	1

Lab Sample ID: LCS 240-297056/5

Matrix: Water

Analysis Batch: 297056

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	10.0	11.0		ug/L		110	73 - 136
1,1,1-Trichloroethane	10.0	11.2		ug/L		112	64 - 147
1,1,2,2-Tetrachloroethane	10.0	11.6		ug/L		116	58 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	12.8		ug/L		128	65 - 144
1,1,2-Trichloroethane	10.0	11.9		ug/L		119	76 - 121
1,1-Dichloroethane	10.0	10.4		ug/L		104	74 - 120
1,1-Dichloroethene	10.0	11.5		ug/L		115	65 - 127
1,1-Dichloropropene	10.0	12.0		ug/L		120	80 - 122
1,2,3-Trichlorobenzene	10.0	9.56		ug/L		96	31 - 144
1,2,3-Trichloropropane	10.0	10.6		ug/L		106	53 - 134

TestAmerica Canton

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-297056/5

Matrix: Water

Analysis Batch: 297056

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	10.0	8.83		ug/L		88	34 - 141
1,2,4-Trimethylbenzene	10.0	12.2	*	ug/L		122	80 - 120
1,2-Dibromo-3-Chloropropane	10.0	8.48		ug/L		85	50 - 130
1,2-Dichlorobenzene	10.0	10.5		ug/L		105	80 - 120
1,2-Dichloroethane	10.0	11.0		ug/L		110	68 - 133
1,2-Dichloropropane	10.0	10.3		ug/L		103	78 - 127
1,3,5-Trimethylbenzene	10.0	12.4	*	ug/L		124	79 - 120
1,3-Dichlorobenzene	10.0	9.97		ug/L		100	80 - 120
1,3-Dichloropropane	10.0	12.0		ug/L		120	71 - 124
1,4-Dichlorobenzene	10.0	10.1		ug/L		101	80 - 120
Allyl chloride	10.0	10.9		ug/L		109	57 - 143
2,2-Dichloropropane	10.0	13.4		ug/L		134	32 - 178
2-Chlorotoluene	10.0	10.8		ug/L		108	80 - 120
2-Hexanone	20.0	17.7		ug/L		89	28 - 169
Bromobenzene	10.0	9.67		ug/L		97	73 - 120
Bromochloromethane	10.0	9.59		ug/L		96	78 - 120
4-Chlorotoluene	10.0	10.8		ug/L		108	79 - 120
p-Isopropyltoluene	10.0	11.7		ug/L		117	78 - 125
Acetone	20.0	17.1		ug/L		86	35 - 131
Benzene	10.0	11.4		ug/L		114	79 - 120
Bromoform	10.0	9.89		ug/L		99	55 - 145
Bromomethane	10.0	11.6		ug/L		116	17 - 158
Carbon disulfide	10.0	13.9		ug/L		139	49 - 141
Carbon tetrachloride	10.0	13.2		ug/L		132	55 - 171
Chlorobenzene	10.0	11.3		ug/L		113	80 - 120
Chloroethane	10.0	7.05		ug/L		71	10 - 149
Chloroform	10.0	11.3		ug/L		113	80 - 120
Chloromethane	10.0	7.74		ug/L		77	59 - 124
cis-1,2-Dichloroethene	10.0	10.6		ug/L		106	77 - 120
cis-1,3-Dichloropropene	10.0	10.0		ug/L		100	75 - 120
Cyclohexane	10.0	12.2		ug/L		122	66 - 135
Hexachlorobutadiene	10.0	11.2		ug/L		112	36 - 146
Dibromomethane	10.0	10.0		ug/L		100	80 - 120
Bromodichloromethane	10.0	11.9		ug/L		119	79 - 125
Dichlorodifluoromethane	10.0	15.9	*	ug/L		159	42 - 141
Dichlorofluoromethane	10.0	12.2		ug/L		122	28 - 138
Ethyl ether	10.0	11.1		ug/L		111	72 - 125
Ethylbenzene	10.0	11.0		ug/L		110	80 - 120
1,2-Dibromoethane	10.0	10.5		ug/L		105	80 - 120
Naphthalene	10.0	7.97		ug/L		80	31 - 127
m-Xylene & p-Xylene	10.0	11.1		ug/L		111	80 - 120
n-Butylbenzene	10.0	12.3		ug/L		123	60 - 137
Isopropylbenzene	10.0	11.1		ug/L		111	80 - 128
Methyl acetate	20.0	17.9		ug/L		90	63 - 137
N-Propylbenzene	10.0	10.9		ug/L		109	76 - 120
2-Butanone (MEK)	20.0	20.7		ug/L		103	43 - 149
4-Methyl-2-pentanone (MIBK)	20.0	14.3		ug/L		72	53 - 144
sec-Butylbenzene	10.0	11.9		ug/L		119	76 - 124

TestAmerica Canton

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-297056/5

Matrix: Water

Analysis Batch: 297056

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert butyl ether	10.0	7.48		ug/L		75	73 - 120
Methylene Chloride	10.0	12.1		ug/L		121	64 - 140
o-Xylene	10.0	10.6		ug/L		106	80 - 120
Styrene	10.0	11.1		ug/L		111	80 - 121
tert-Butylbenzene	10.0	11.1		ug/L		111	79 - 120
Tetrachloroethene	10.0	9.91		ug/L		99	80 - 122
Tetrahydrofuran	20.0	14.8		ug/L		74	63 - 131
Toluene	10.0	12.2	*	ug/L		122	78 - 120
trans-1,2-Dichloroethene	10.0	11.4		ug/L		114	74 - 124
trans-1,3-Dichloropropene	10.0	10.5		ug/L		105	67 - 120
Trichloroethene	10.0	9.65		ug/L		96	76 - 124
Trichlorofluoromethane	10.0	15.2		ug/L		152	27 - 176
Vinyl chloride	10.0	9.13		ug/L		91	65 - 124
Methylcyclohexane	10.0	12.0		ug/L		120	63 - 141
Chlorodibromomethane	10.0	12.0		ug/L		120	64 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	91		61 - 138
4-Bromofluorobenzene (Surr)	103		69 - 120
Toluene-d8 (Surr)	99		73 - 120
Dibromofluoromethane (Surr)	89		69 - 124

Lab Sample ID: 240-85395-15 MS

Matrix: Water

Analysis Batch: 297056

Client Sample ID: AMW-22B-(20170919)

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		10.0	10.7		ug/L		107	67 - 142
1,1,1-Trichloroethane	ND		10.0	10.7		ug/L		107	57 - 156
1,1,2,2-Tetrachloroethane	ND	F1	10.0	13.6	F1	ug/L		136	51 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10.0	10.9		ug/L		109	58 - 137
1,1,2-Trichloroethane	ND		10.0	12.7		ug/L		127	68 - 127
1,1-Dichloroethane	ND		10.0	9.97		ug/L		100	69 - 122
1,1-Dichloroethene	ND		10.0	10.9		ug/L		109	62 - 127
1,1-Dichloropropene	ND		10.0	11.7		ug/L		117	55 - 136
1,2,3-Trichlorobenzene	ND		10.0	8.41		ug/L		84	40 - 139
1,2,3-Trichloropropane	ND		10.0	13.0		ug/L		130	41 - 152
1,2,4-Trichlorobenzene	ND		10.0	7.53		ug/L		75	26 - 138
1,2,4-Trimethylbenzene	ND	*	10.0	11.0		ug/L		110	64 - 120
1,2-Dibromo-3-Chloropropane	ND		10.0	9.92		ug/L		99	48 - 130
1,2-Dichlorobenzene	ND		10.0	10.3		ug/L		103	70 - 120
1,2-Dichloroethane	ND		10.0	11.7		ug/L		117	64 - 138
1,2-Dichloropropane	ND		10.0	10.3		ug/L		103	72 - 131
1,3,5-Trimethylbenzene	ND	*	10.0	11.3		ug/L		113	67 - 120
1,3-Dichlorobenzene	ND		10.0	9.73		ug/L		97	71 - 120
1,3-Dichloropropane	ND		10.0	12.7		ug/L		127	58 - 137
1,4-Dichlorobenzene	ND		10.0	10.0		ug/L		100	72 - 120

TestAmerica Canton

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-85395-15 MS

Matrix: Water

Analysis Batch: 297056

Client Sample ID: AMW-22B-(20170919)

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Allyl chloride	ND		10.0	10.9		ug/L		109	55 - 137
2,2-Dichloropropane	ND		10.0	10.1		ug/L		101	34 - 153
2-Chlorotoluene	ND		10.0	10.1		ug/L		101	52 - 134
2-Hexanone	ND	F2	20.0	24.2		ug/L		121	21 - 184
Bromobenzene	ND		10.0	9.63		ug/L		96	59 - 131
Bromochloromethane	ND		10.0	9.72		ug/L		97	66 - 132
4-Chlorotoluene	ND		10.0	10.4		ug/L		104	52 - 133
p-Isopropyltoluene	ND		10.0	10.4		ug/L		104	70 - 120
Acetone	ND		20.0	23.9		ug/L		120	19 - 133
Benzene	ND		10.0	11.1		ug/L		111	69 - 127
Bromoform	ND		10.0	10.8		ug/L		108	61 - 135
Bromomethane	ND	F2	10.0	1.80		ug/L		18	10 - 148
Carbon disulfide	ND	F1	10.0	14.2		ug/L		142	46 - 143
Carbon tetrachloride	ND		10.0	12.6		ug/L		126	53 - 175
Chlorobenzene	ND		10.0	11.1		ug/L		111	76 - 120
Chloroethane	ND	F2	10.0	2.15		ug/L		22	10 - 141
Chloroform	ND		10.0	11.4		ug/L		114	74 - 125
Chloromethane	ND	F1	10.0	3.01	F1	ug/L		30	34 - 127
cis-1,2-Dichloroethene	0.80	J	10.0	10.8		ug/L		100	69 - 127
cis-1,3-Dichloropropene	ND		10.0	9.28		ug/L		93	68 - 120
Cyclohexane	ND		10.0	10.3		ug/L		103	56 - 135
Hexachlorobutadiene	ND		10.0	9.21		ug/L		92	30 - 134
Dibromomethane	ND		10.0	11.0		ug/L		110	73 - 120
Bromodichloromethane	ND		10.0	12.0		ug/L		120	75 - 128
Dichlorodifluoromethane	ND	* F1	10.0	13.6	F1	ug/L		136	45 - 130
Dichlorofluoromethane	ND		10.0	9.77		ug/L		98	36 - 161
Ethyl ether	ND		10.0	11.2		ug/L		112	65 - 124
Ethylbenzene	ND		10.0	10.7		ug/L		107	72 - 121
1,2-Dibromoethane	ND		10.0	11.7		ug/L		117	73 - 121
Naphthalene	ND		10.0	7.86		ug/L		79	28 - 150
m-Xylene & p-Xylene	ND		10.0	10.9		ug/L		109	70 - 121
n-Butylbenzene	ND		10.0	10.4		ug/L		104	38 - 133
Isopropylbenzene	ND		10.0	10.7		ug/L		107	70 - 132
Methyl acetate	ND		20.0	20.8		ug/L		104	52 - 139
N-Propylbenzene	ND		10.0	10.2		ug/L		102	50 - 134
2-Butanone (MEK)	ND		20.0	27.1		ug/L		136	34 - 153
4-Methyl-2-pentanone (MIBK)	ND	F2	20.0	18.6		ug/L		93	53 - 147
sec-Butylbenzene	ND		10.0	10.5		ug/L		105	43 - 133
Methyl tert butyl ether	ND		10.0	7.43		ug/L		74	67 - 125
Methylene Chloride	ND		10.0	10.6		ug/L		106	52 - 137
o-Xylene	ND		10.0	10.5		ug/L		105	71 - 125
Styrene	ND		10.0	11.1		ug/L		111	74 - 125
tert-Butylbenzene	ND		10.0	10.3		ug/L		103	48 - 131
Tetrachloroethene	ND		10.0	9.82		ug/L		98	69 - 126
Tetrahydrofuran	ND		20.0	19.3		ug/L		96	40 - 128
Toluene	ND	*	10.0	12.1		ug/L		121	69 - 125
trans-1,2-Dichloroethene	ND		10.0	11.1		ug/L		111	66 - 131
trans-1,3-Dichloropropene	ND		10.0	10.4		ug/L		104	59 - 120

TestAmerica Canton

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-85395-15 MS

Matrix: Water

Analysis Batch: 297056

Client Sample ID: AMW-22B-(20170919)

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	ND		10.0	9.54		ug/L		95	68 - 129
Trichlorofluoromethane	ND		10.0	11.4		ug/L		114	28 - 172
Vinyl chloride	ND	F2	10.0	7.84		ug/L		78	55 - 123
Methylcyclohexane	ND		10.0	10.1		ug/L		101	46 - 139
Chlorodibromomethane	ND		10.0	12.5		ug/L		125	62 - 131

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		61 - 138
4-Bromofluorobenzene (Surr)	107		69 - 120
Toluene-d8 (Surr)	99		73 - 120
Dibromofluoromethane (Surr)	91		69 - 124

Lab Sample ID: 240-85395-15 MSD

Matrix: Water

Analysis Batch: 297056

Client Sample ID: AMW-22B-(20170919)

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		10.0	11.6		ug/L		116	67 - 142	8	18
1,1,1-Trichloroethane	ND		10.0	11.8		ug/L		118	57 - 156	9	13
1,1,2,2-Tetrachloroethane	ND	F1	10.0	12.7	F1	ug/L		127	51 - 123	7	17
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10.0	12.0		ug/L		120	58 - 137	9	35
1,1,2-Trichloroethane	ND		10.0	12.6		ug/L		126	68 - 127	1	11
1,1-Dichloroethane	ND		10.0	10.6		ug/L		106	69 - 122	7	11
1,1-Dichloroethene	ND		10.0	11.9		ug/L		119	62 - 127	8	14
1,1-Dichloropropene	ND		10.0	11.9		ug/L		119	55 - 136	1	35
1,2,3-Trichlorobenzene	ND		10.0	9.70		ug/L		97	40 - 139	14	35
1,2,3-Trichloropropane	ND		10.0	12.1		ug/L		121	41 - 152	7	12
1,2,4-Trichlorobenzene	ND		10.0	8.65		ug/L		86	26 - 138	14	35
1,2,4-Trimethylbenzene	ND	*	10.0	11.6		ug/L		116	64 - 120	5	22
1,2-Dibromo-3-Chloropropane	ND		10.0	10.0		ug/L		100	48 - 130	1	31
1,2-Dichlorobenzene	ND		10.0	10.9		ug/L		109	70 - 120	6	19
1,2-Dichloroethane	ND		10.0	11.5		ug/L		115	64 - 138	2	11
1,2-Dichloropropane	ND		10.0	10.0		ug/L		100	72 - 131	3	12
1,3,5-Trimethylbenzene	ND	*	10.0	12.0		ug/L		120	67 - 120	6	25
1,3-Dichlorobenzene	ND		10.0	10.3		ug/L		103	71 - 120	6	18
1,3-Dichloropropane	ND		10.0	12.3		ug/L		123	58 - 137	3	35
1,4-Dichlorobenzene	ND		10.0	10.3		ug/L		103	72 - 120	2	17
Allyl chloride	ND		10.0	11.8		ug/L		118	55 - 137	8	20
2,2-Dichloropropane	ND		10.0	13.1		ug/L		131	34 - 153	26	35
2-Chlorotoluene	ND		10.0	11.0		ug/L		110	52 - 134	9	35
2-Hexanone	ND	F2	20.0	20.0	F2	ug/L		100	21 - 184	19	12
Bromobenzene	ND		10.0	9.73		ug/L		97	59 - 131	1	35
Bromochloromethane	ND		10.0	10.2		ug/L		102	66 - 132	4	15
4-Chlorotoluene	ND		10.0	10.7		ug/L		107	52 - 133	3	35
p-Isopropyltoluene	ND		10.0	11.1		ug/L		111	70 - 120	6	22
Acetone	ND		20.0	19.4		ug/L		97	19 - 133	21	35
Benzene	ND		10.0	11.4		ug/L		114	69 - 127	3	10

TestAmerica Canton

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-85395-15 MSD

Matrix: Water

Analysis Batch: 297056

Client Sample ID: AMW-22B-(20170919)

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromoform	ND		10.0	10.9		ug/L		109	61 - 135	1	13
Bromomethane	ND	F2	10.0	4.68	F2	ug/L		47	10 - 148	89	35
Carbon disulfide	ND	F1	10.0	15.8	F1	ug/L		158	46 - 143	10	18
Carbon tetrachloride	ND		10.0	13.7		ug/L		137	53 - 175	9	17
Chlorobenzene	ND		10.0	11.2		ug/L		112	76 - 120	1	12
Chloroethane	ND	F2	10.0	5.10	F2	ug/L		51	10 - 141	81	35
Chloroform	ND		10.0	12.1		ug/L		121	74 - 125	6	11
Chloromethane	ND	F1	10.0	3.61		ug/L		36	34 - 127	18	25
cis-1,2-Dichloroethene	0.80	J	10.0	12.0		ug/L		112	69 - 127	10	11
cis-1,3-Dichloropropene	ND		10.0	8.87		ug/L		89	68 - 120	5	13
Cyclohexane	ND		10.0	11.3		ug/L		113	56 - 135	10	35
Hexachlorobutadiene	ND		10.0	10.1		ug/L		101	30 - 134	10	35
Dibromomethane	ND		10.0	10.8		ug/L		108	73 - 120	1	16
Bromodichloromethane	ND		10.0	12.3		ug/L		123	75 - 128	2	13
Dichlorodifluoromethane	ND	* F1	10.0	14.2	F1	ug/L		142	45 - 130	4	34
Dichlorofluoromethane	ND		10.0	12.6		ug/L		126	36 - 161	25	35
Ethyl ether	ND		10.0	11.7		ug/L		117	65 - 124	4	11
Ethylbenzene	ND		10.0	11.2		ug/L		112	72 - 121	5	15
1,2-Dibromoethane	ND		10.0	11.3		ug/L		113	73 - 121	3	12
Naphthalene	ND		10.0	8.58		ug/L		86	28 - 150	9	35
m-Xylene & p-Xylene	ND		10.0	11.4		ug/L		114	70 - 121	4	15
n-Butylbenzene	ND		10.0	11.4		ug/L		114	38 - 133	9	35
Isopropylbenzene	ND		10.0	11.3		ug/L		113	70 - 132	5	16
Methyl acetate	ND		20.0	19.5		ug/L		98	52 - 139	7	14
N-Propylbenzene	ND		10.0	10.7		ug/L		107	50 - 134	5	35
2-Butanone (MEK)	ND		20.0	22.1		ug/L		111	34 - 153	20	23
4-Methyl-2-pentanone (MIBK)	ND	F2	20.0	15.4	F2	ug/L		77	53 - 147	19	16
sec-Butylbenzene	ND		10.0	11.3		ug/L		113	43 - 133	7	35
Methyl tert butyl ether	ND		10.0	7.82		ug/L		78	67 - 125	5	12
Methylene Chloride	ND		10.0	11.8		ug/L		118	52 - 137	11	12
o-Xylene	ND		10.0	10.9		ug/L		109	71 - 125	4	15
Styrene	ND		10.0	11.5		ug/L		115	74 - 125	3	14
tert-Butylbenzene	ND		10.0	10.7		ug/L		107	48 - 131	4	35
Tetrachloroethene	ND		10.0	10.6		ug/L		106	69 - 126	7	18
Tetrahydrofuran	ND		20.0	16.6		ug/L		83	40 - 128	15	15
Toluene	ND	*	10.0	12.3		ug/L		123	69 - 125	2	14
trans-1,2-Dichloroethene	ND		10.0	11.8		ug/L		118	66 - 131	6	11
trans-1,3-Dichloropropene	ND		10.0	9.74		ug/L		97	59 - 120	7	14
Trichloroethene	ND		10.0	9.38		ug/L		94	68 - 129	2	12
Trichlorofluoromethane	ND		10.0	14.6		ug/L		146	28 - 172	25	26
Vinyl chloride	ND	F2	10.0	9.13	F2	ug/L		91	55 - 123	15	12
Methylcyclohexane	ND		10.0	10.5		ug/L		105	46 - 139	4	35
Chlorodibromomethane	ND		10.0	12.6		ug/L		126	62 - 131	1	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	94		61 - 138
4-Bromofluorobenzene (Surr)	108		69 - 120
Toluene-d8 (Surr)	102		73 - 120

TestAmerica Canton

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-85395-15 MSD

Matrix: Water

Analysis Batch: 297056

Client Sample ID: AMW-22B-(20170919)

Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Dibromofluoromethane (Surr)	97		69 - 124

Lab Sample ID: MB 240-297061/6

Matrix: Water

Analysis Batch: 297061

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.46	ug/L			10/01/17 17:10	1
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			10/01/17 17:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.32	ug/L			10/01/17 17:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			10/01/17 17:10	1
1,1,2-Trichloroethane	ND		1.0	0.34	ug/L			10/01/17 17:10	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			10/01/17 17:10	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			10/01/17 17:10	1
1,1-Dichloropropene	ND		1.0	0.28	ug/L			10/01/17 17:10	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/01/17 17:10	1
1,2,3-Trichloropropane	ND		1.0	0.54	ug/L			10/01/17 17:10	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			10/01/17 17:10	1
1,2,4-Trimethylbenzene	ND		1.0	0.24	ug/L			10/01/17 17:10	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.47	ug/L			10/01/17 17:10	1
1,2-Dichlorobenzene	ND		1.0	0.26	ug/L			10/01/17 17:10	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/01/17 17:10	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/01/17 17:10	1
1,3,5-Trimethylbenzene	ND		1.0	0.24	ug/L			10/01/17 17:10	1
1,3-Dichlorobenzene	ND		1.0	0.32	ug/L			10/01/17 17:10	1
1,3-Dichloropropane	ND		1.0	0.29	ug/L			10/01/17 17:10	1
1,4-Dichlorobenzene	ND		1.0	0.23	ug/L			10/01/17 17:10	1
Allyl chloride	ND		2.0	0.38	ug/L			10/01/17 17:10	1
2,2-Dichloropropane	ND		1.0	0.34	ug/L			10/01/17 17:10	1
2-Chlorotoluene	ND		1.0	0.28	ug/L			10/01/17 17:10	1
2-Hexanone	ND		10	1.2	ug/L			10/01/17 17:10	1
Bromobenzene	ND		1.0	0.31	ug/L			10/01/17 17:10	1
Bromochloromethane	ND		1.0	0.47	ug/L			10/01/17 17:10	1
4-Chlorotoluene	ND		1.0	0.23	ug/L			10/01/17 17:10	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/01/17 17:10	1
Acetone	ND		10	1.8	ug/L			10/01/17 17:10	1
Benzene	ND		1.0	0.28	ug/L			10/01/17 17:10	1
Bromoform	ND		1.0	0.43	ug/L			10/01/17 17:10	1
Bromomethane	ND		1.0	0.42	ug/L			10/01/17 17:10	1
Carbon disulfide	ND		1.0	0.34	ug/L			10/01/17 17:10	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			10/01/17 17:10	1
Chlorobenzene	ND		1.0	0.32	ug/L			10/01/17 17:10	1
Chloroethane	ND		1.0	0.41	ug/L			10/01/17 17:10	1
Chloroform	ND		1.0	0.31	ug/L			10/01/17 17:10	1
Chloromethane	ND		1.0	0.43	ug/L			10/01/17 17:10	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/01/17 17:10	1
cis-1,3-Dichloropropene	ND		1.0	0.26	ug/L			10/01/17 17:10	1
Cyclohexane	ND		1.0	0.44	ug/L			10/01/17 17:10	1

TestAmerica Canton

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-297061/6

Matrix: Water

Analysis Batch: 297061

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		1.0	0.36	ug/L			10/01/17 17:10	1
Dibromomethane	ND		1.0	0.46	ug/L			10/01/17 17:10	1
Bromodichloromethane	ND		1.0	0.30	ug/L			10/01/17 17:10	1
Dichlorodifluoromethane	ND		1.0	0.50	ug/L			10/01/17 17:10	1
Dichlorofluoromethane	ND		2.0	0.43	ug/L			10/01/17 17:10	1
Ethyl ether	ND		2.0	0.35	ug/L			10/01/17 17:10	1
Ethylbenzene	ND		1.0	0.26	ug/L			10/01/17 17:10	1
1,2-Dibromoethane	ND		1.0	0.23	ug/L			10/01/17 17:10	1
Naphthalene	ND		1.0	0.25	ug/L			10/01/17 17:10	1
m-Xylene & p-Xylene	ND		2.0	0.24	ug/L			10/01/17 17:10	1
n-Butylbenzene	ND		1.0	0.21	ug/L			10/01/17 17:10	1
Isopropylbenzene	ND		1.0	0.21	ug/L			10/01/17 17:10	1
Methyl acetate	ND		10	1.4	ug/L			10/01/17 17:10	1
N-Propylbenzene	ND		1.0	0.45	ug/L			10/01/17 17:10	1
2-Butanone (MEK)	ND		10	1.0	ug/L			10/01/17 17:10	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.71	ug/L			10/01/17 17:10	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/01/17 17:10	1
Methyl tert butyl ether	ND		1.0	0.27	ug/L			10/01/17 17:10	1
Methylene Chloride	ND		1.0	0.53	ug/L			10/01/17 17:10	1
o-Xylene	ND		1.0	0.28	ug/L			10/01/17 17:10	1
Styrene	ND		1.0	0.23	ug/L			10/01/17 17:10	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/01/17 17:10	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/01/17 17:10	1
Tetrahydrofuran	ND		5.0	0.84	ug/L			10/01/17 17:10	1
Toluene	ND		1.0	0.23	ug/L			10/01/17 17:10	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			10/01/17 17:10	1
trans-1,3-Dichloropropene	ND		1.0	0.31	ug/L			10/01/17 17:10	1
Trichloroethene	ND		1.0	0.33	ug/L			10/01/17 17:10	1
Trichlorofluoromethane	ND		1.0	0.50	ug/L			10/01/17 17:10	1
Vinyl chloride	ND		1.0	0.45	ug/L			10/01/17 17:10	1
Methylcyclohexane	ND		1.0	0.45	ug/L			10/01/17 17:10	1
Chlorodibromomethane	ND		1.0	0.25	ug/L			10/01/17 17:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		61 - 138		10/01/17 17:10	1
4-Bromofluorobenzene (Surr)	114		69 - 120		10/01/17 17:10	1
Toluene-d8 (Surr)	104		73 - 120		10/01/17 17:10	1
Dibromofluoromethane (Surr)	104		69 - 124		10/01/17 17:10	1

Lab Sample ID: LCS 240-297061/4

Matrix: Water

Analysis Batch: 297061

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	10.0	9.76		ug/L		98	73 - 136
1,1,1-Trichloroethane	10.0	9.21		ug/L		92	64 - 147
1,1,2,2-Tetrachloroethane	10.0	9.71		ug/L		97	58 - 122

TestAmerica Canton

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-297061/4

Matrix: Water

Analysis Batch: 297061

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	9.38		ug/L		94	65 - 144
1,1,2-Trichloroethane	10.0	9.88		ug/L		99	76 - 121
1,1-Dichloroethane	10.0	11.1		ug/L		111	74 - 120
1,1-Dichloroethene	10.0	9.95		ug/L		100	65 - 127
1,1-Dichloropropene	10.0	10.5		ug/L		105	80 - 122
1,2,3-Trichlorobenzene	10.0	12.9		ug/L		129	31 - 144
1,2,3-Trichloropropane	10.0	8.89		ug/L		89	53 - 134
1,2,4-Trichlorobenzene	10.0	11.8		ug/L		118	34 - 141
1,2,4-Trimethylbenzene	10.0	10.4		ug/L		104	80 - 120
1,2-Dibromo-3-Chloropropane	10.0	8.84		ug/L		88	50 - 130
1,2-Dichlorobenzene	10.0	9.61		ug/L		96	80 - 120
1,2-Dichloroethane	10.0	10.4		ug/L		104	68 - 133
1,2-Dichloropropane	10.0	11.3		ug/L		113	78 - 127
1,3,5-Trimethylbenzene	10.0	10.4		ug/L		104	79 - 120
1,3-Dichlorobenzene	10.0	9.32		ug/L		93	80 - 120
1,3-Dichloropropane	10.0	10.4		ug/L		104	71 - 124
1,4-Dichlorobenzene	10.0	9.45		ug/L		95	80 - 120
Allyl chloride	10.0	11.2		ug/L		112	57 - 143
2,2-Dichloropropane	10.0	14.1		ug/L		141	32 - 178
2-Chlorotoluene	10.0	9.10		ug/L		91	80 - 120
2-Hexanone	20.0	18.9		ug/L		94	28 - 169
Bromobenzene	10.0	8.95		ug/L		90	73 - 120
Bromochloromethane	10.0	9.31		ug/L		93	78 - 120
4-Chlorotoluene	10.0	9.29		ug/L		93	79 - 120
p-Isopropyltoluene	10.0	10.3		ug/L		103	78 - 125
Acetone	20.0	12.6		ug/L		63	35 - 131
Benzene	10.0	10.7		ug/L		107	79 - 120
Bromoform	10.0	9.08		ug/L		91	55 - 145
Bromomethane	10.0	7.95		ug/L		79	17 - 158
Carbon disulfide	10.0	10.7		ug/L		107	49 - 141
Carbon tetrachloride	10.0	8.91		ug/L		89	55 - 171
Chlorobenzene	10.0	9.97		ug/L		100	80 - 120
Chloroethane	10.0	8.72		ug/L		87	10 - 149
Chloroform	10.0	10.3		ug/L		103	80 - 120
Chloromethane	10.0	9.37		ug/L		94	59 - 124
cis-1,2-Dichloroethene	10.0	10.2		ug/L		102	77 - 120
cis-1,3-Dichloropropene	10.0	10.2		ug/L		102	75 - 120
Cyclohexane	10.0	11.1		ug/L		111	66 - 135
Hexachlorobutadiene	10.0	13.6		ug/L		136	36 - 146
Dibromomethane	10.0	9.76		ug/L		98	80 - 120
Bromodichloromethane	10.0	10.5		ug/L		105	79 - 125
Dichlorodifluoromethane	10.0	7.40		ug/L		74	42 - 141
Dichlorofluoromethane	10.0	5.94		ug/L		59	28 - 138
Ethyl ether	10.0	12.7 *		ug/L		127	72 - 125
Ethylbenzene	10.0	9.94		ug/L		99	80 - 120
1,2-Dibromoethane	10.0	9.39		ug/L		94	80 - 120
Naphthalene	10.0	10.9		ug/L		109	31 - 127

TestAmerica Canton

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-297061/4

Matrix: Water

Analysis Batch: 297061

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
m-Xylene & p-Xylene	10.0	9.82		ug/L		98	80 - 120
n-Butylbenzene	10.0	10.8		ug/L		108	60 - 137
Isopropylbenzene	10.0	10.4		ug/L		104	80 - 128
Methyl acetate	20.0	22.6		ug/L		113	63 - 137
N-Propylbenzene	10.0	9.13		ug/L		91	76 - 120
2-Butanone (MEK)	20.0	18.7		ug/L		93	43 - 149
4-Methyl-2-pentanone (MIBK)	20.0	21.7		ug/L		108	53 - 144
sec-Butylbenzene	10.0	9.95		ug/L		99	76 - 124
Methyl tert butyl ether	10.0	10.8		ug/L		108	73 - 120
Methylene Chloride	10.0	11.0		ug/L		110	64 - 140
o-Xylene	10.0	10.2		ug/L		102	80 - 120
Styrene	10.0	10.5		ug/L		105	80 - 121
tert-Butylbenzene	10.0	9.81		ug/L		98	79 - 120
Tetrachloroethene	10.0	8.67		ug/L		87	80 - 122
Tetrahydrofuran	20.0	21.8		ug/L		109	63 - 131
Toluene	10.0	10.4		ug/L		104	78 - 120
trans-1,2-Dichloroethene	10.0	10.1		ug/L		101	74 - 124
trans-1,3-Dichloropropene	10.0	10.3		ug/L		103	67 - 120
Trichloroethene	10.0	8.92		ug/L		89	76 - 124
Trichlorofluoromethane	10.0	7.25		ug/L		73	27 - 176
Vinyl chloride	10.0	10.1		ug/L		101	65 - 124
Methylcyclohexane	10.0	8.83		ug/L		88	63 - 141
Chlorodibromomethane	10.0	9.40		ug/L		94	64 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		61 - 138
4-Bromofluorobenzene (Surr)	119		69 - 120
Toluene-d8 (Surr)	109		73 - 120
Dibromofluoromethane (Surr)	99		69 - 124

Lab Sample ID: 240-85327-B-1 MS

Matrix: Water

Analysis Batch: 297061

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	ND	F2 F1	3330	4170		ug/L		125	69 - 127
Tetrachloroethene	8800	F1	3330	10300	F1	ug/L		44	69 - 126
trans-1,2-Dichloroethene	ND	F2 F1	3330	4050		ug/L		122	66 - 131
Trichloroethene	ND		3330	3090		ug/L		93	68 - 129
Vinyl chloride	ND	F2	3330	3280		ug/L		98	55 - 123

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	107		61 - 138
4-Bromofluorobenzene (Surr)	122	X	69 - 120
Toluene-d8 (Surr)	111		73 - 120
Dibromofluoromethane (Surr)	108		69 - 124

TestAmerica Canton

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-85327-B-1 MSD

Matrix: Water

Analysis Batch: 297061

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,2-Dichloroethene	ND	F2 F1	3330	4790	F1 F2	ug/L		144	69 - 127	14	11
Tetrachloroethene	8800	F1	3330	10200	F1	ug/L		41	69 - 126	1	18
trans-1,2-Dichloroethene	ND	F2 F1	3330	4720	F1 F2	ug/L		142	66 - 131	15	11
Trichloroethene	ND		3330	3390		ug/L		102	68 - 129	9	12
Vinyl chloride	ND	F2	3330	3820	F2	ug/L		115	55 - 123	15	12

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	132		61 - 138
4-Bromofluorobenzene (Surr)	120		69 - 120
Toluene-d8 (Surr)	107		73 - 120
Dibromofluoromethane (Surr)	128	X	69 - 124

Lab Sample ID: MB 240-297179/6

Matrix: Water

Analysis Batch: 297179

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.46	ug/L			10/02/17 15:20	1
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			10/02/17 15:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.32	ug/L			10/02/17 15:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			10/02/17 15:20	1
1,1,2-Trichloroethane	ND		1.0	0.34	ug/L			10/02/17 15:20	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			10/02/17 15:20	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			10/02/17 15:20	1
1,1-Dichloropropene	ND		1.0	0.28	ug/L			10/02/17 15:20	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/02/17 15:20	1
1,2,3-Trichloropropane	ND		1.0	0.54	ug/L			10/02/17 15:20	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			10/02/17 15:20	1
1,2,4-Trimethylbenzene	ND		1.0	0.24	ug/L			10/02/17 15:20	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.47	ug/L			10/02/17 15:20	1
1,2-Dichlorobenzene	ND		1.0	0.26	ug/L			10/02/17 15:20	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/02/17 15:20	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/02/17 15:20	1
1,3,5-Trimethylbenzene	ND		1.0	0.24	ug/L			10/02/17 15:20	1
1,3-Dichlorobenzene	ND		1.0	0.32	ug/L			10/02/17 15:20	1
1,3-Dichloropropane	ND		1.0	0.29	ug/L			10/02/17 15:20	1
1,4-Dichlorobenzene	ND		1.0	0.23	ug/L			10/02/17 15:20	1
Allyl chloride	ND		2.0	0.38	ug/L			10/02/17 15:20	1
2,2-Dichloropropane	ND		1.0	0.34	ug/L			10/02/17 15:20	1
2-Chlorotoluene	ND		1.0	0.28	ug/L			10/02/17 15:20	1
2-Hexanone	ND		10	1.2	ug/L			10/02/17 15:20	1
Bromobenzene	ND		1.0	0.31	ug/L			10/02/17 15:20	1
Bromochloromethane	ND		1.0	0.47	ug/L			10/02/17 15:20	1
4-Chlorotoluene	ND		1.0	0.23	ug/L			10/02/17 15:20	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/02/17 15:20	1
Acetone	ND		10	1.8	ug/L			10/02/17 15:20	1
Benzene	ND		1.0	0.28	ug/L			10/02/17 15:20	1
Bromoform	ND		1.0	0.43	ug/L			10/02/17 15:20	1

TestAmerica Canton

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-297179/6

Matrix: Water

Analysis Batch: 297179

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		1.0	0.42	ug/L			10/02/17 15:20	1
Carbon disulfide	ND		1.0	0.34	ug/L			10/02/17 15:20	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			10/02/17 15:20	1
Chlorobenzene	ND		1.0	0.32	ug/L			10/02/17 15:20	1
Chloroethane	ND		1.0	0.41	ug/L			10/02/17 15:20	1
Chloroform	ND		1.0	0.31	ug/L			10/02/17 15:20	1
Chloromethane	ND		1.0	0.43	ug/L			10/02/17 15:20	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/02/17 15:20	1
cis-1,3-Dichloropropene	ND		1.0	0.26	ug/L			10/02/17 15:20	1
Cyclohexane	ND		1.0	0.44	ug/L			10/02/17 15:20	1
Hexachlorobutadiene	ND		1.0	0.36	ug/L			10/02/17 15:20	1
Dibromomethane	ND		1.0	0.46	ug/L			10/02/17 15:20	1
Bromodichloromethane	ND		1.0	0.30	ug/L			10/02/17 15:20	1
Dichlorodifluoromethane	ND		1.0	0.50	ug/L			10/02/17 15:20	1
Dichlorofluoromethane	ND		2.0	0.43	ug/L			10/02/17 15:20	1
Ethyl ether	ND		2.0	0.35	ug/L			10/02/17 15:20	1
Ethylbenzene	ND		1.0	0.26	ug/L			10/02/17 15:20	1
1,2-Dibromoethane	ND		1.0	0.23	ug/L			10/02/17 15:20	1
Naphthalene	ND		1.0	0.25	ug/L			10/02/17 15:20	1
m-Xylene & p-Xylene	ND		2.0	0.24	ug/L			10/02/17 15:20	1
n-Butylbenzene	ND		1.0	0.21	ug/L			10/02/17 15:20	1
Isopropylbenzene	ND		1.0	0.21	ug/L			10/02/17 15:20	1
Methyl acetate	ND		10	1.4	ug/L			10/02/17 15:20	1
N-Propylbenzene	ND		1.0	0.45	ug/L			10/02/17 15:20	1
2-Butanone (MEK)	ND		10	1.0	ug/L			10/02/17 15:20	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.71	ug/L			10/02/17 15:20	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/02/17 15:20	1
Methyl tert butyl ether	ND		1.0	0.27	ug/L			10/02/17 15:20	1
Methylene Chloride	0.914	J	1.0	0.53	ug/L			10/02/17 15:20	1
o-Xylene	ND		1.0	0.28	ug/L			10/02/17 15:20	1
Styrene	ND		1.0	0.23	ug/L			10/02/17 15:20	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/02/17 15:20	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/02/17 15:20	1
Tetrahydrofuran	ND		5.0	0.84	ug/L			10/02/17 15:20	1
Toluene	ND		1.0	0.23	ug/L			10/02/17 15:20	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			10/02/17 15:20	1
trans-1,3-Dichloropropene	ND		1.0	0.31	ug/L			10/02/17 15:20	1
Trichloroethene	ND		1.0	0.33	ug/L			10/02/17 15:20	1
Trichlorofluoromethane	ND		1.0	0.50	ug/L			10/02/17 15:20	1
Vinyl chloride	ND		1.0	0.45	ug/L			10/02/17 15:20	1
Methylcyclohexane	ND		1.0	0.45	ug/L			10/02/17 15:20	1
Chlorodibromomethane	ND		1.0	0.25	ug/L			10/02/17 15:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	129		61 - 138		10/02/17 15:20	1
4-Bromofluorobenzene (Surr)	109		69 - 120		10/02/17 15:20	1
Toluene-d8 (Surr)	101		73 - 120		10/02/17 15:20	1
Dibromofluoromethane (Surr)	125	X	69 - 124		10/02/17 15:20	1

TestAmerica Canton

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Lab Sample ID: LCS 240-297179/4

Matrix: Water

Analysis Batch: 297179

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	10.0	10.3		ug/L		103	73 - 136
1,1,1-Trichloroethane	10.0	10.7		ug/L		107	64 - 147
1,1,2,2-Tetrachloroethane	10.0	9.76		ug/L		98	58 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.0		ug/L		100	65 - 144
1,1,2-Trichloroethane	10.0	9.81		ug/L		98	76 - 121
1,1-Dichloroethane	10.0	11.4		ug/L		114	74 - 120
1,1-Dichloroethene	10.0	10.5		ug/L		105	65 - 127
1,1-Dichloropropene	10.0	10.5		ug/L		105	80 - 122
1,2,3-Trichlorobenzene	10.0	7.26		ug/L		73	31 - 144
1,2,3-Trichloropropane	10.0	9.84		ug/L		98	53 - 134
1,2,4-Trichlorobenzene	10.0	7.32		ug/L		73	34 - 141
1,2,4-Trimethylbenzene	10.0	9.47		ug/L		95	80 - 120
1,2-Dibromo-3-Chloropropane	10.0	7.52		ug/L		75	50 - 130
1,2-Dichlorobenzene	10.0	9.11		ug/L		91	80 - 120
1,2-Dichloroethane	10.0	11.8		ug/L		118	68 - 133
1,2-Dichloropropane	10.0	10.0		ug/L		100	78 - 127
1,3,5-Trimethylbenzene	10.0	9.78		ug/L		98	79 - 120
1,3-Dichlorobenzene	10.0	9.04		ug/L		90	80 - 120
1,3-Dichloropropane	10.0	9.90		ug/L		99	71 - 124
1,4-Dichlorobenzene	10.0	9.26		ug/L		93	80 - 120
Allyl chloride	10.0	10.5		ug/L		105	57 - 143
2,2-Dichloropropane	10.0	14.3		ug/L		143	32 - 178
2-Chlorotoluene	10.0	9.17		ug/L		92	80 - 120
2-Hexanone	20.0	18.7		ug/L		93	28 - 169
Bromobenzene	10.0	9.56		ug/L		96	73 - 120
Bromochloromethane	10.0	10.4		ug/L		104	78 - 120
4-Chlorotoluene	10.0	9.62		ug/L		96	79 - 120
p-Isopropyltoluene	10.0	9.46		ug/L		95	78 - 125
Acetone	20.0	12.9		ug/L		65	35 - 131
Benzene	10.0	10.2		ug/L		102	79 - 120
Bromoform	10.0	9.30		ug/L		93	55 - 145
Bromomethane	10.0	8.45		ug/L		84	17 - 158
Carbon disulfide	10.0	10.5		ug/L		105	49 - 141
Carbon tetrachloride	10.0	10.4		ug/L		104	55 - 171
Chlorobenzene	10.0	9.98		ug/L		100	80 - 120
Chloroethane	10.0	8.43		ug/L		84	10 - 149
Chloroform	10.0	11.0		ug/L		110	80 - 120
Chloromethane	10.0	9.69		ug/L		97	59 - 124
cis-1,2-Dichloroethene	10.0	10.6		ug/L		106	77 - 120
cis-1,3-Dichloropropene	10.0	8.96		ug/L		90	75 - 120
Cyclohexane	10.0	10.1		ug/L		101	66 - 135
Hexachlorobutadiene	10.0	8.22		ug/L		82	36 - 146
Dibromomethane	10.0	9.95		ug/L		99	80 - 120
Bromodichloromethane	10.0	10.5		ug/L		105	79 - 125
Dichlorodifluoromethane	10.0	7.51		ug/L		75	42 - 141
Dichlorofluoromethane	10.0	7.59		ug/L		76	28 - 138
Ethyl ether	10.0	11.9		ug/L		119	72 - 125
Ethylbenzene	10.0	9.40		ug/L		94	80 - 120
1,2-Dibromoethane	10.0	9.21		ug/L		92	80 - 120

TestAmerica Canton

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-297179/4

Matrix: Water

Analysis Batch: 297179

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	10.0	6.19		ug/L		62	31 - 127
m-Xylene & p-Xylene	10.0	9.76		ug/L		98	80 - 120
n-Butylbenzene	10.0	9.01		ug/L		90	60 - 137
Isopropylbenzene	10.0	9.95		ug/L		99	80 - 128
Methyl acetate	20.0	22.5		ug/L		112	63 - 137
N-Propylbenzene	10.0	9.61		ug/L		96	76 - 120
2-Butanone (MEK)	20.0	17.5		ug/L		88	43 - 149
4-Methyl-2-pentanone (MIBK)	20.0	18.7		ug/L		94	53 - 144
sec-Butylbenzene	10.0	9.03		ug/L		90	76 - 124
Methyl tert butyl ether	10.0	11.0		ug/L		110	73 - 120
Methylene Chloride	10.0	11.9		ug/L		119	64 - 140
o-Xylene	10.0	10.1		ug/L		101	80 - 120
Styrene	10.0	9.69		ug/L		97	80 - 121
tert-Butylbenzene	10.0	9.01		ug/L		90	79 - 120
Tetrachloroethene	10.0	9.41		ug/L		94	80 - 122
Tetrahydrofuran	20.0	19.2		ug/L		96	63 - 131
Toluene	10.0	10.2		ug/L		102	78 - 120
trans-1,2-Dichloroethene	10.0	10.8		ug/L		108	74 - 124
trans-1,3-Dichloropropene	10.0	9.56		ug/L		96	67 - 120
Trichloroethene	10.0	9.19		ug/L		92	76 - 124
Trichlorofluoromethane	10.0	7.94		ug/L		79	27 - 176
Vinyl chloride	10.0	9.06		ug/L		91	65 - 124
Methylcyclohexane	10.0	8.35		ug/L		84	63 - 141
Chlorodibromomethane	10.0	9.95		ug/L		99	64 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	127		61 - 138
4-Bromofluorobenzene (Surr)	112		69 - 120
Toluene-d8 (Surr)	111		73 - 120
Dibromofluoromethane (Surr)	113		69 - 124

Lab Sample ID: 240-85397-E-25 MS

Matrix: Water

Analysis Batch: 297179

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND	F2	10.0	9.89		ug/L		99	57 - 156
1,1,2,2-Tetrachloroethane	ND		10.0	11.3		ug/L		113	51 - 123
1,1,2-Trichloroethane	ND		10.0	11.3		ug/L		113	68 - 127
1,1-Dichloroethane	ND	F2 F1	10.0	11.0		ug/L		110	69 - 122
1,1-Dichloroethene	ND		10.0	10.3		ug/L		103	62 - 127
1,2,4-Trichlorobenzene	ND	F2	10.0	8.39		ug/L		84	26 - 138
1,2,4-Trimethylbenzene	ND		10.0	9.83		ug/L		98	64 - 120
1,2-Dichlorobenzene	ND		10.0	9.53		ug/L		95	70 - 120
1,2-Dichloroethane	ND		10.0	11.7		ug/L		117	64 - 138
1,2-Dichloropropane	ND		10.0	11.2		ug/L		112	72 - 131
1,3-Dichlorobenzene	ND		10.0	9.30		ug/L		93	71 - 120
1,4-Dichlorobenzene	ND		10.0	9.49		ug/L		95	72 - 120

TestAmerica Canton

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-85397-E-25 MS

Matrix: Water

Analysis Batch: 297179

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Hexanone	ND		20.0	22.0		ug/L		110	21 - 184
Acetone	ND		20.0	11.3		ug/L		56	19 - 133
Benzene	ND		10.0	10.7		ug/L		107	69 - 127
Bromoform	ND		10.0	9.93		ug/L		99	61 - 135
Bromomethane	ND	F2	10.0	1.98		ug/L		20	10 - 148
Carbon disulfide	ND	F2	10.0	7.41		ug/L		74	46 - 143
Carbon tetrachloride	ND		10.0	9.57		ug/L		96	53 - 175
Chlorobenzene	ND		10.0	10.3		ug/L		103	76 - 120
Chloroethane	ND	F2	10.0	3.22		ug/L		32	10 - 141
Chloroform	ND	F2 F1	10.0	10.8		ug/L		108	74 - 125
Chloromethane	ND	F2	10.0	7.37		ug/L		74	34 - 127
cis-1,2-Dichloroethene	ND	F2	10.0	10.3		ug/L		103	69 - 127
cis-1,3-Dichloropropene	ND		10.0	9.84		ug/L		98	68 - 120
Bromodichloromethane	ND		10.0	11.2		ug/L		112	75 - 128
Ethylbenzene	ND		10.0	9.80		ug/L		98	72 - 121
m-Xylene & p-Xylene	ND		10.0	10.0		ug/L		100	70 - 121
2-Butanone (MEK)	ND		20.0	18.7		ug/L		93	34 - 153
4-Methyl-2-pentanone (MIBK)	ND		20.0	24.4		ug/L		122	53 - 147
Methylene Chloride	ND	F2	10.0	8.95		ug/L		89	52 - 137
o-Xylene	ND		10.0	9.84		ug/L		98	71 - 125
Styrene	ND	F2	10.0	8.85		ug/L		89	74 - 125
Tetrachloroethene	ND		10.0	9.34		ug/L		93	69 - 126
Toluene	ND		10.0	10.8		ug/L		108	69 - 125
trans-1,2-Dichloroethene	ND	F2	10.0	10.3		ug/L		103	66 - 131
trans-1,3-Dichloropropene	ND		10.0	10.8		ug/L		108	59 - 120
Trichloroethene	ND		10.0	9.80		ug/L		98	68 - 129
Vinyl chloride	ND	F2	10.0	9.18		ug/L		92	55 - 123
Chlorodibromomethane	ND		10.0	10.5		ug/L		105	62 - 131

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	116		61 - 138
4-Bromofluorobenzene (Surr)	106		69 - 120
Toluene-d8 (Surr)	111		73 - 120
Dibromofluoromethane (Surr)	105		69 - 124

Lab Sample ID: 240-85397-F-25 MSD

Matrix: Water

Analysis Batch: 297179

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND	F2	10.0	11.7	F2	ug/L		117	57 - 156	17	13
1,1,2,2-Tetrachloroethane	ND		10.0	10.8		ug/L		108	51 - 123	4	17
1,1,2-Trichloroethane	ND		10.0	10.2		ug/L		102	68 - 127	10	11
1,1-Dichloroethane	ND	F2 F1	10.0	12.8	F1 F2	ug/L		128	69 - 122	15	11
1,1-Dichloroethene	ND		10.0	11.8		ug/L		118	62 - 127	14	14
1,2,4-Trichlorobenzene	ND	F2	10.0	12.1	F2	ug/L		121	26 - 138	36	35
1,2,4-Trimethylbenzene	ND		10.0	9.95		ug/L		100	64 - 120	1	22
1,2-Dichlorobenzene	ND		10.0	10.4		ug/L		104	70 - 120	8	19

TestAmerica Canton

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-85397-F-25 MSD

Matrix: Water

Analysis Batch: 297179

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichloroethane	ND		10.0	12.8		ug/L		128	64 - 138	9	11
1,2-Dichloropropane	ND		10.0	11.2		ug/L		112	72 - 131	1	12
1,3-Dichlorobenzene	ND		10.0	9.81		ug/L		98	71 - 120	5	18
1,4-Dichlorobenzene	ND		10.0	10.1		ug/L		101	72 - 120	6	17
2-Hexanone	ND		20.0	22.4		ug/L		112	21 - 184	2	12
Acetone	ND		20.0	12.5		ug/L		62	19 - 133	10	35
Benzene	ND		10.0	11.1		ug/L		111	69 - 127	4	10
Bromoform	ND		10.0	10.4		ug/L		104	61 - 135	4	13
Bromomethane	ND	F2	10.0	7.91	F2	ug/L		79	10 - 148	120	35
Carbon disulfide	ND	F2	10.0	12.1	F2	ug/L		121	46 - 143	48	18
Carbon tetrachloride	ND		10.0	10.9		ug/L		109	53 - 175	13	17
Chlorobenzene	ND		10.0	10.6		ug/L		106	76 - 120	3	12
Chloroethane	ND	F2	10.0	8.31	F2	ug/L		83	10 - 141	88	35
Chloroform	ND	F2 F1	10.0	12.6	F1 F2	ug/L		126	74 - 125	15	11
Chloromethane	ND	F2	10.0	10.9	F2	ug/L		109	34 - 127	39	25
cis-1,2-Dichloroethene	ND	F2	10.0	12.1	F2	ug/L		121	69 - 127	15	11
cis-1,3-Dichloropropene	ND		10.0	8.60		ug/L		86	68 - 120	13	13
Bromodichloromethane	ND		10.0	11.0		ug/L		110	75 - 128	2	13
Ethylbenzene	ND		10.0	10.7		ug/L		107	72 - 121	9	15
m-Xylene & p-Xylene	ND		10.0	10.7		ug/L		107	70 - 121	7	15
2-Butanone (MEK)	ND		20.0	16.7		ug/L		84	34 - 153	11	23
4-Methyl-2-pentanone (MIBK)	ND		20.0	22.3		ug/L		112	53 - 147	9	16
Methylene Chloride	ND	F2	10.0	11.7	F2	ug/L		117	52 - 137	27	12
o-Xylene	ND		10.0	11.3		ug/L		113	71 - 125	14	15
Styrene	ND	F2	10.0	10.3	F2	ug/L		103	74 - 125	15	14
Tetrachloroethene	ND		10.0	9.53		ug/L		95	69 - 126	2	18
Toluene	ND		10.0	10.7		ug/L		107	69 - 125	1	14
trans-1,2-Dichloroethene	ND	F2	10.0	12.3	F2	ug/L		123	66 - 131	18	11
trans-1,3-Dichloropropene	ND		10.0	9.42		ug/L		94	59 - 120	13	14
Trichloroethene	ND		10.0	9.99		ug/L		100	68 - 129	2	12
Vinyl chloride	ND	F2	10.0	10.4	F2	ug/L		104	55 - 123	13	12
Chlorodibromomethane	ND		10.0	10.4		ug/L		104	62 - 131	1	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	113		61 - 138
4-Bromofluorobenzene (Surr)	117		69 - 120
Toluene-d8 (Surr)	106		73 - 120
Dibromofluoromethane (Surr)	116		69 - 124

Lab Sample ID: MB 240-297346/6

Matrix: Water

Analysis Batch: 297346

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.46	ug/L			10/03/17 15:07	1
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			10/03/17 15:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.32	ug/L			10/03/17 15:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			10/03/17 15:07	1

TestAmerica Canton

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-297346/6

Matrix: Water

Analysis Batch: 297346

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.34	ug/L			10/03/17 15:07	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			10/03/17 15:07	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			10/03/17 15:07	1
1,1-Dichloropropene	ND		1.0	0.28	ug/L			10/03/17 15:07	1
1,2,3-Trichlorobenzene	ND		1.0	0.35	ug/L			10/03/17 15:07	1
1,2,3-Trichloropropane	ND		1.0	0.54	ug/L			10/03/17 15:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			10/03/17 15:07	1
1,2,4-Trimethylbenzene	ND		1.0	0.24	ug/L			10/03/17 15:07	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.47	ug/L			10/03/17 15:07	1
1,2-Dichlorobenzene	ND		1.0	0.26	ug/L			10/03/17 15:07	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/03/17 15:07	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/03/17 15:07	1
1,3,5-Trimethylbenzene	ND		1.0	0.24	ug/L			10/03/17 15:07	1
1,3-Dichlorobenzene	ND		1.0	0.32	ug/L			10/03/17 15:07	1
1,3-Dichloropropane	ND		1.0	0.29	ug/L			10/03/17 15:07	1
1,4-Dichlorobenzene	ND		1.0	0.23	ug/L			10/03/17 15:07	1
Allyl chloride	ND		2.0	0.38	ug/L			10/03/17 15:07	1
2,2-Dichloropropane	ND		1.0	0.34	ug/L			10/03/17 15:07	1
2-Chlorotoluene	ND		1.0	0.28	ug/L			10/03/17 15:07	1
2-Hexanone	ND		10	1.2	ug/L			10/03/17 15:07	1
Bromobenzene	ND		1.0	0.31	ug/L			10/03/17 15:07	1
Bromochloromethane	ND		1.0	0.47	ug/L			10/03/17 15:07	1
4-Chlorotoluene	ND		1.0	0.23	ug/L			10/03/17 15:07	1
p-Isopropyltoluene	ND		1.0	0.29	ug/L			10/03/17 15:07	1
Acetone	ND		10	1.8	ug/L			10/03/17 15:07	1
Benzene	ND		1.0	0.28	ug/L			10/03/17 15:07	1
Bromoform	ND		1.0	0.43	ug/L			10/03/17 15:07	1
Bromomethane	ND		1.0	0.42	ug/L			10/03/17 15:07	1
Carbon disulfide	ND		1.0	0.34	ug/L			10/03/17 15:07	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			10/03/17 15:07	1
Chlorobenzene	ND		1.0	0.32	ug/L			10/03/17 15:07	1
Chloroethane	ND		1.0	0.41	ug/L			10/03/17 15:07	1
Chloroform	ND		1.0	0.31	ug/L			10/03/17 15:07	1
Chloromethane	ND		1.0	0.43	ug/L			10/03/17 15:07	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/03/17 15:07	1
cis-1,3-Dichloropropene	ND		1.0	0.26	ug/L			10/03/17 15:07	1
Cyclohexane	ND		1.0	0.44	ug/L			10/03/17 15:07	1
Hexachlorobutadiene	ND		1.0	0.36	ug/L			10/03/17 15:07	1
Dibromomethane	ND		1.0	0.46	ug/L			10/03/17 15:07	1
Bromodichloromethane	ND		1.0	0.30	ug/L			10/03/17 15:07	1
Dichlorodifluoromethane	ND		1.0	0.50	ug/L			10/03/17 15:07	1
Dichlorofluoromethane	ND		2.0	0.43	ug/L			10/03/17 15:07	1
Ethyl ether	ND		2.0	0.35	ug/L			10/03/17 15:07	1
Ethylbenzene	ND		1.0	0.26	ug/L			10/03/17 15:07	1
1,2-Dibromoethane	ND		1.0	0.23	ug/L			10/03/17 15:07	1
Naphthalene	ND		1.0	0.25	ug/L			10/03/17 15:07	1
m-Xylene & p-Xylene	ND		2.0	0.24	ug/L			10/03/17 15:07	1
n-Butylbenzene	ND		1.0	0.21	ug/L			10/03/17 15:07	1

TestAmerica Canton

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-297346/6

Matrix: Water

Analysis Batch: 297346

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		1.0	0.21	ug/L			10/03/17 15:07	1
Methyl acetate	ND		10	1.4	ug/L			10/03/17 15:07	1
N-Propylbenzene	ND		1.0	0.45	ug/L			10/03/17 15:07	1
2-Butanone (MEK)	ND		10	1.0	ug/L			10/03/17 15:07	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.71	ug/L			10/03/17 15:07	1
sec-Butylbenzene	ND		1.0	0.27	ug/L			10/03/17 15:07	1
Methyl tert butyl ether	ND		1.0	0.27	ug/L			10/03/17 15:07	1
Methylene Chloride	ND		1.0	0.53	ug/L			10/03/17 15:07	1
o-Xylene	ND		1.0	0.28	ug/L			10/03/17 15:07	1
Styrene	ND		1.0	0.23	ug/L			10/03/17 15:07	1
tert-Butylbenzene	ND		1.0	0.26	ug/L			10/03/17 15:07	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/03/17 15:07	1
Tetrahydrofuran	ND		5.0	0.84	ug/L			10/03/17 15:07	1
Toluene	ND		1.0	0.23	ug/L			10/03/17 15:07	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			10/03/17 15:07	1
trans-1,3-Dichloropropene	ND		1.0	0.31	ug/L			10/03/17 15:07	1
Trichloroethene	ND		1.0	0.33	ug/L			10/03/17 15:07	1
Trichlorofluoromethane	ND		1.0	0.50	ug/L			10/03/17 15:07	1
Vinyl chloride	ND		1.0	0.45	ug/L			10/03/17 15:07	1
Methylcyclohexane	ND		1.0	0.45	ug/L			10/03/17 15:07	1
Chlorodibromomethane	ND		1.0	0.25	ug/L			10/03/17 15:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		61 - 138		10/03/17 15:07	1
4-Bromofluorobenzene (Surr)	94		69 - 120		10/03/17 15:07	1
Toluene-d8 (Surr)	95		73 - 120		10/03/17 15:07	1
Dibromofluoromethane (Surr)	99		69 - 124		10/03/17 15:07	1

Lab Sample ID: LCS 240-297346/4

Matrix: Water

Analysis Batch: 297346

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	10.0	10.9		ug/L		109	73 - 136
1,1,1-Trichloroethane	10.0	11.2		ug/L		112	64 - 147
1,1,2,2-Tetrachloroethane	10.0	11.1		ug/L		111	58 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	12.4		ug/L		124	65 - 144
1,1,2-Trichloroethane	10.0	11.7		ug/L		117	76 - 121
1,1-Dichloroethane	10.0	9.85		ug/L		98	74 - 120
1,1-Dichloroethene	10.0	11.0		ug/L		110	65 - 127
1,1-Dichloropropene	10.0	11.6		ug/L		116	80 - 122
1,2,3-Trichlorobenzene	10.0	8.57		ug/L		86	31 - 144
1,2,3-Trichloropropane	10.0	10.6		ug/L		106	53 - 134
1,2,4-Trichlorobenzene	10.0	7.91		ug/L		79	34 - 141
1,2,4-Trimethylbenzene	10.0	11.1		ug/L		111	80 - 120
1,2-Dibromo-3-Chloropropane	10.0	8.24		ug/L		82	50 - 130
1,2-Dichlorobenzene	10.0	9.96		ug/L		100	80 - 120

TestAmerica Canton

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-297346/4

Matrix: Water

Analysis Batch: 297346

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	10.0	11.1		ug/L		111	68 - 133
1,2-Dichloropropane	10.0	9.96		ug/L		100	78 - 127
1,3,5-Trimethylbenzene	10.0	11.5		ug/L		115	79 - 120
1,3-Dichlorobenzene	10.0	9.57		ug/L		96	80 - 120
1,3-Dichloropropane	10.0	11.8		ug/L		118	71 - 124
1,4-Dichlorobenzene	10.0	9.61		ug/L		96	80 - 120
Allyl chloride	10.0	10.3		ug/L		103	57 - 143
2,2-Dichloropropane	10.0	13.0		ug/L		130	32 - 178
2-Chlorotoluene	10.0	9.92		ug/L		99	80 - 120
2-Hexanone	20.0	17.4		ug/L		87	28 - 169
Bromobenzene	10.0	9.17		ug/L		92	73 - 120
Bromochloromethane	10.0	9.56		ug/L		96	78 - 120
4-Chlorotoluene	10.0	9.86		ug/L		99	79 - 120
p-Isopropyltoluene	10.0	10.7		ug/L		107	78 - 125
Acetone	20.0	17.9		ug/L		89	35 - 131
Benzene	10.0	11.0		ug/L		110	79 - 120
Bromoform	10.0	10.1		ug/L		101	55 - 145
Bromomethane	10.0	10.3		ug/L		103	17 - 158
Carbon disulfide	10.0	12.7		ug/L		127	49 - 141
Carbon tetrachloride	10.0	13.4		ug/L		134	55 - 171
Chlorobenzene	10.0	11.0		ug/L		110	80 - 120
Chloroethane	10.0	6.05		ug/L		61	10 - 149
Chloroform	10.0	11.2		ug/L		112	80 - 120
Chloromethane	10.0	6.61		ug/L		66	59 - 124
cis-1,2-Dichloroethene	10.0	10.0		ug/L		100	77 - 120
cis-1,3-Dichloropropene	10.0	9.81		ug/L		98	75 - 120
Cyclohexane	10.0	10.7		ug/L		107	66 - 135
Hexachlorobutadiene	10.0	10.7		ug/L		107	36 - 146
Dibromomethane	10.0	10.1		ug/L		101	80 - 120
Bromodichloromethane	10.0	11.9		ug/L		119	79 - 125
Dichlorodifluoromethane	10.0	13.1		ug/L		131	42 - 141
Dichlorofluoromethane	10.0	11.5		ug/L		115	28 - 138
Ethyl ether	10.0	10.7		ug/L		107	72 - 125
Ethylbenzene	10.0	10.7		ug/L		107	80 - 120
1,2-Dibromoethane	10.0	10.5		ug/L		105	80 - 120
Naphthalene	10.0	6.89		ug/L		69	31 - 127
m-Xylene & p-Xylene	10.0	11.1		ug/L		111	80 - 120
n-Butylbenzene	10.0	11.0		ug/L		110	60 - 137
Isopropylbenzene	10.0	11.0		ug/L		110	80 - 128
Methyl acetate	20.0	16.8		ug/L		84	63 - 137
N-Propylbenzene	10.0	9.98		ug/L		100	76 - 120
2-Butanone (MEK)	20.0	22.3		ug/L		112	43 - 149
4-Methyl-2-pentanone (MIBK)	20.0	14.3		ug/L		72	53 - 144
sec-Butylbenzene	10.0	10.9		ug/L		109	76 - 124
Methylene Chloride	10.0	12.1		ug/L		121	64 - 140
o-Xylene	10.0	10.4		ug/L		104	80 - 120
Styrene	10.0	10.9		ug/L		109	80 - 121
tert-Butylbenzene	10.0	10.4		ug/L		104	79 - 120

TestAmerica Canton

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-297346/4

Matrix: Water

Analysis Batch: 297346

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethene	10.0	9.97		ug/L		100	80 - 122
Tetrahydrofuran	20.0	14.1		ug/L		71	63 - 131
Toluene	10.0	11.9		ug/L		119	78 - 120
trans-1,2-Dichloroethene	10.0	10.9		ug/L		109	74 - 124
trans-1,3-Dichloropropene	10.0	10.5		ug/L		105	67 - 120
Trichloroethene	10.0	9.50		ug/L		95	76 - 124
Trichlorofluoromethane	10.0	14.2		ug/L		142	27 - 176
Vinyl chloride	10.0	8.23		ug/L		82	65 - 124
Methylcyclohexane	10.0	10.8		ug/L		108	63 - 141
Chlorodibromomethane	10.0	12.3		ug/L		123	64 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		61 - 138
4-Bromofluorobenzene (Surr)	112		69 - 120
Toluene-d8 (Surr)	100		73 - 120
Dibromofluoromethane (Surr)	90		69 - 124

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-296281/21-A

Matrix: Water

Analysis Batch: 296632

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 296281

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.044	ug/L		09/26/17 08:36	09/28/17 09:56	1
Acenaphthylene	ND		0.20	0.048	ug/L		09/26/17 08:36	09/28/17 09:56	1
Acetophenone	ND		1.0	0.34	ug/L		09/26/17 08:36	09/28/17 09:56	1
Anthracene	ND		0.20	0.088	ug/L		09/26/17 08:36	09/28/17 09:56	1
Atrazine	ND		2.0	0.34	ug/L		09/26/17 08:36	09/28/17 09:56	1
Benzaldehyde	ND		2.0	0.39	ug/L		09/26/17 08:36	09/28/17 09:56	1
Benzo[a]anthracene	ND		0.20	0.030	ug/L		09/26/17 08:36	09/28/17 09:56	1
Benzo[b]fluoranthene	ND		0.20	0.039	ug/L		09/26/17 08:36	09/28/17 09:56	1
Benzo[k]fluoranthene	ND		0.20	0.045	ug/L		09/26/17 08:36	09/28/17 09:56	1
Benzo[g,h,i]perylene	ND		0.20	0.046	ug/L		09/26/17 08:36	09/28/17 09:56	1
Benzo[a]pyrene	ND		0.20	0.051	ug/L		09/26/17 08:36	09/28/17 09:56	1
Butyl benzyl phthalate	ND		2.0	0.26	ug/L		09/26/17 08:36	09/28/17 09:56	1
1,1'-Biphenyl	ND		1.0	0.13	ug/L		09/26/17 08:36	09/28/17 09:56	1
Bis(2-chloroethoxy)methane	ND		1.0	0.32	ug/L		09/26/17 08:36	09/28/17 09:56	1
Bis(2-chloroethyl)ether	ND		1.0	0.10	ug/L		09/26/17 08:36	09/28/17 09:56	1
Bis(2-ethylhexyl) phthalate	ND		5.0	1.7	ug/L		09/26/17 08:36	09/28/17 09:56	1
4-Bromophenyl phenyl ether	ND		2.0	0.22	ug/L		09/26/17 08:36	09/28/17 09:56	1
Caprolactam	ND		5.0	0.20	ug/L		09/26/17 08:36	09/28/17 09:56	1
Carbazole	ND		1.0	0.28	ug/L		09/26/17 08:36	09/28/17 09:56	1
4-Chloroaniline	ND		2.0	0.21	ug/L		09/26/17 08:36	09/28/17 09:56	1
4-Chloro-3-methylphenol	ND		2.0	0.21	ug/L		09/26/17 08:36	09/28/17 09:56	1
2-Chloronaphthalene	ND		1.0	0.10	ug/L		09/26/17 08:36	09/28/17 09:56	1
2-Chlorophenol	ND		1.0	0.29	ug/L		09/26/17 08:36	09/28/17 09:56	1
4-Chlorophenyl phenyl ether	ND		2.0	0.30	ug/L		09/26/17 08:36	09/28/17 09:56	1

TestAmerica Canton

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-296281/21-A

Matrix: Water

Analysis Batch: 296632

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 296281

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		0.20	0.050	ug/L		09/26/17 08:36	09/28/17 09:56	1
2-Methylnaphthalene	ND		0.20	0.090	ug/L		09/26/17 08:36	09/28/17 09:56	1
3 & 4 Methylphenol	ND		2.0	0.80	ug/L		09/26/17 08:36	09/28/17 09:56	1
Dibenz(a,h)anthracene	ND		0.20	0.045	ug/L		09/26/17 08:36	09/28/17 09:56	1
Dibenzofuran	ND		1.0	0.020	ug/L		09/26/17 08:36	09/28/17 09:56	1
3,3'-Dichlorobenzidine	ND		5.0	0.37	ug/L		09/26/17 08:36	09/28/17 09:56	1
2,4-Dichlorophenol	ND		2.0	0.19	ug/L		09/26/17 08:36	09/28/17 09:56	1
Diethyl phthalate	ND		2.0	0.60	ug/L		09/26/17 08:36	09/28/17 09:56	1
2,4-Dimethylphenol	ND		2.0	0.25	ug/L		09/26/17 08:36	09/28/17 09:56	1
Dimethyl phthalate	ND		2.0	0.29	ug/L		09/26/17 08:36	09/28/17 09:56	1
4,6-Dinitro-2-methylphenol	ND		5.0	2.4	ug/L		09/26/17 08:36	09/28/17 09:56	1
2,4-Dinitrophenol	ND		5.0	0.32	ug/L		09/26/17 08:36	09/28/17 09:56	1
2,4-Dinitrotoluene	ND		5.0	0.25	ug/L		09/26/17 08:36	09/28/17 09:56	1
Di-n-butyl phthalate	ND		5.0	1.7	ug/L		09/26/17 08:36	09/28/17 09:56	1
Di-n-octyl phthalate	ND		2.0	0.23	ug/L		09/26/17 08:36	09/28/17 09:56	1
Fluoranthene	ND		0.20	0.045	ug/L		09/26/17 08:36	09/28/17 09:56	1
Fluorene	ND		0.20	0.041	ug/L		09/26/17 08:36	09/28/17 09:56	1
Hexachlorobenzene	ND		0.20	0.085	ug/L		09/26/17 08:36	09/28/17 09:56	1
Hexachlorobutadiene	ND		1.0	0.27	ug/L		09/26/17 08:36	09/28/17 09:56	1
Hexachlorocyclopentadiene	ND		10	0.24	ug/L		09/26/17 08:36	09/28/17 09:56	1
Hexachloroethane	ND		1.0	0.19	ug/L		09/26/17 08:36	09/28/17 09:56	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.043	ug/L		09/26/17 08:36	09/28/17 09:56	1
Isophorone	ND		1.0	0.27	ug/L		09/26/17 08:36	09/28/17 09:56	1
2-Methylphenol	ND		1.0	0.17	ug/L		09/26/17 08:36	09/28/17 09:56	1
Naphthalene	ND		0.20	0.063	ug/L		09/26/17 08:36	09/28/17 09:56	1
2-Nitroaniline	ND		2.0	0.21	ug/L		09/26/17 08:36	09/28/17 09:56	1
3-Nitroaniline	ND		2.0	0.28	ug/L		09/26/17 08:36	09/28/17 09:56	1
4-Nitroaniline	ND		2.0	0.22	ug/L		09/26/17 08:36	09/28/17 09:56	1
Nitrobenzene	ND		1.0	0.040	ug/L		09/26/17 08:36	09/28/17 09:56	1
2-Nitrophenol	ND		2.0	0.28	ug/L		09/26/17 08:36	09/28/17 09:56	1
4-Nitrophenol	ND		5.0	0.29	ug/L		09/26/17 08:36	09/28/17 09:56	1
N-Nitrosodiphenylamine	ND		1.0	0.31	ug/L		09/26/17 08:36	09/28/17 09:56	1
N-Nitrosodi-n-propylamine	ND		1.0	0.24	ug/L		09/26/17 08:36	09/28/17 09:56	1
2,2'-oxybis[1-chloropropane]	ND		1.0	0.40	ug/L		09/26/17 08:36	09/28/17 09:56	1
Pentachlorophenol	ND		5.0	0.27	ug/L		09/26/17 08:36	09/28/17 09:56	1
Phenanthrene	ND		0.20	0.062	ug/L		09/26/17 08:36	09/28/17 09:56	1
Phenol	ND		1.0	0.60	ug/L		09/26/17 08:36	09/28/17 09:56	1
Pyrene	ND		0.20	0.042	ug/L		09/26/17 08:36	09/28/17 09:56	1
2,4,5-Trichlorophenol	ND		5.0	0.30	ug/L		09/26/17 08:36	09/28/17 09:56	1
2,4,6-Trichlorophenol	ND		5.0	0.24	ug/L		09/26/17 08:36	09/28/17 09:56	1
2,6-Dinitrotoluene	ND		5.0	0.80	ug/L		09/26/17 08:36	09/28/17 09:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	76		38 - 120	09/26/17 08:36	09/28/17 09:56	1
2-Fluorophenol (Surr)	48		10 - 120	09/26/17 08:36	09/28/17 09:56	1
2,4,6-Tribromophenol (Surr)	54		28 - 120	09/26/17 08:36	09/28/17 09:56	1
Nitrobenzene-d5 (Surr)	65		32 - 120	09/26/17 08:36	09/28/17 09:56	1
Phenol-d5 (Surr)	30		10 - 120	09/26/17 08:36	09/28/17 09:56	1

TestAmerica Canton

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-296281/21-A

Matrix: Water

Analysis Batch: 296632

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 296281

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	88		23 - 127	09/26/17 08:36	09/28/17 09:56	1

Lab Sample ID: LCS 240-296281/22-A

Matrix: Water

Analysis Batch: 296632

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 296281

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	20.0	18.4		ug/L		92	54 - 120
Acenaphthylene	20.0	17.4		ug/L		87	53 - 120
Acetophenone	20.0	16.7		ug/L		84	56 - 120
Anthracene	20.0	17.7		ug/L		89	56 - 120
Atrazine	40.0	37.5		ug/L		94	61 - 127
Benzaldehyde	40.0	34.4		ug/L		86	47 - 134
Benzo[a]anthracene	20.0	17.5		ug/L		88	54 - 120
Benzo[b]fluoranthene	20.0	17.5		ug/L		87	53 - 120
Benzo[k]fluoranthene	20.0	16.4		ug/L		82	55 - 120
Benzo[g,h,i]perylene	20.0	15.3		ug/L		76	55 - 120
Benzo[a]pyrene	20.0	17.0		ug/L		85	54 - 120
Butyl benzyl phthalate	20.0	18.7		ug/L		94	51 - 120
1,1'-Biphenyl	20.0	17.7		ug/L		89	53 - 120
Bis(2-chloroethoxy)methane	20.0	16.7		ug/L		83	56 - 120
Bis(2-chloroethyl)ether	20.0	15.9		ug/L		80	51 - 120
Bis(2-ethylhexyl) phthalate	20.0	17.3		ug/L		86	50 - 120
4-Bromophenyl phenyl ether	20.0	16.9		ug/L		85	54 - 120
Caprolactam	40.0	5.93		ug/L		15	10 - 120
Carbazole	20.0	17.6		ug/L		88	62 - 120
4-Chloroaniline	20.0	1.95	J	ug/L		10	10 - 120
4-Chloro-3-methylphenol	20.0	15.5		ug/L		78	54 - 120
2-Chloronaphthalene	20.0	17.8		ug/L		89	53 - 120
2-Chlorophenol	20.0	14.8		ug/L		74	53 - 120
4-Chlorophenyl phenyl ether	20.0	18.4		ug/L		92	56 - 120
Chrysene	20.0	17.7		ug/L		88	56 - 120
2-Methylnaphthalene	20.0	15.3		ug/L		76	54 - 120
3 & 4 Methylphenol	20.0	12.8		ug/L		64	40 - 120
Dibenz(a,h)anthracene	20.0	14.6		ug/L		73	52 - 120
Dibenzofuran	20.0	18.3		ug/L		92	55 - 120
3,3'-Dichlorobenzidine	40.0	37.7		ug/L		94	57 - 120
2,4-Dichlorophenol	20.0	14.7		ug/L		74	55 - 120
Diethyl phthalate	20.0	20.2		ug/L		101	42 - 132
2,4-Dimethylphenol	20.0	15.6		ug/L		78	52 - 120
Dimethyl phthalate	20.0	19.4		ug/L		97	56 - 120
4,6-Dinitro-2-methylphenol	40.0	27.1		ug/L		68	36 - 120
2,4-Dinitrophenol	40.0	19.0		ug/L		47	12 - 120
2,4-Dinitrotoluene	20.0	20.4		ug/L		102	60 - 120
Di-n-butyl phthalate	20.0	18.1		ug/L		90	61 - 120
Di-n-octyl phthalate	20.0	15.1		ug/L		75	58 - 120
Fluoranthene	20.0	17.4		ug/L		87	58 - 120
Fluorene	20.0	18.7		ug/L		94	56 - 120

TestAmerica Canton

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-296281/22-A

Matrix: Water

Analysis Batch: 296632

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 296281

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorobenzene	20.0	16.0		ug/L		80	51 - 120
Hexachlorobutadiene	20.0	12.7		ug/L		63	44 - 120
Hexachlorocyclopentadiene	20.0	10.8		ug/L		54	19 - 120
Hexachloroethane	20.0	12.7		ug/L		64	44 - 120
Indeno[1,2,3-cd]pyrene	20.0	15.4		ug/L		77	54 - 120
Isophorone	20.0	16.3		ug/L		81	55 - 120
2-Methylphenol	20.0	14.4		ug/L		72	46 - 120
Naphthalene	20.0	14.7		ug/L		74	53 - 120
2-Nitroaniline	20.0	20.0		ug/L		100	51 - 120
3-Nitroaniline	20.0	14.6		ug/L		73	53 - 120
4-Nitroaniline	20.0	18.5		ug/L		92	55 - 120
Nitrobenzene	20.0	15.9		ug/L		79	55 - 120
2-Nitrophenol	20.0	15.8		ug/L		79	54 - 120
4-Nitrophenol	40.0	14.0		ug/L		35	10 - 120
N-Nitrosodiphenylamine	20.0	17.7		ug/L		89	55 - 120
N-Nitrosodi-n-propylamine	20.0	16.8		ug/L		84	53 - 120
2,2'-oxybis[1-chloropropane]	20.0	15.4		ug/L		77	45 - 120
Pentachlorophenol	40.0	20.2		ug/L		51	30 - 120
Phenanthrene	20.0	17.0		ug/L		85	55 - 120
Phenol	20.0	6.56		ug/L		33	10 - 120
Pyrene	20.0	18.3		ug/L		92	57 - 120
2,4,5-Trichlorophenol	20.0	17.8		ug/L		89	54 - 120
2,4,6-Trichlorophenol	20.0	17.5		ug/L		88	54 - 120
2,6-Dinitrotoluene	20.0	19.8		ug/L		99	60 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	93		38 - 120
2-Fluorophenol (Surr)	53		10 - 120
2,4,6-Tribromophenol (Surr)	87		28 - 120
Nitrobenzene-d5 (Surr)	82		32 - 120
Phenol-d5 (Surr)	34		10 - 120
Terphenyl-d14 (Surr)	98		23 - 127

Lab Sample ID: MB 240-296485/18-A

Matrix: Water

Analysis Batch: 296829

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 296485

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.044	ug/L		09/27/17 09:28	09/29/17 09:37	1
Acenaphthylene	ND		0.20	0.048	ug/L		09/27/17 09:28	09/29/17 09:37	1
Acetophenone	ND		1.0	0.34	ug/L		09/27/17 09:28	09/29/17 09:37	1
Anthracene	ND		0.20	0.088	ug/L		09/27/17 09:28	09/29/17 09:37	1
Atrazine	ND		2.0	0.34	ug/L		09/27/17 09:28	09/29/17 09:37	1
Benzaldehyde	ND		2.0	0.39	ug/L		09/27/17 09:28	09/29/17 09:37	1
Benzo[a]anthracene	ND		0.20	0.030	ug/L		09/27/17 09:28	09/29/17 09:37	1
Benzo[b]fluoranthene	ND		0.20	0.039	ug/L		09/27/17 09:28	09/29/17 09:37	1
Benzo[k]fluoranthene	ND		0.20	0.045	ug/L		09/27/17 09:28	09/29/17 09:37	1
Benzo[g,h,i]perylene	ND		0.20	0.046	ug/L		09/27/17 09:28	09/29/17 09:37	1

TestAmerica Canton

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-296485/18-A

Matrix: Water

Analysis Batch: 296829

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 296485

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		0.20	0.051	ug/L		09/27/17 09:28	09/29/17 09:37	1
Butyl benzyl phthalate	ND		2.0	0.26	ug/L		09/27/17 09:28	09/29/17 09:37	1
1,1'-Biphenyl	ND		1.0	0.13	ug/L		09/27/17 09:28	09/29/17 09:37	1
Bis(2-chloroethoxy)methane	ND		1.0	0.32	ug/L		09/27/17 09:28	09/29/17 09:37	1
Bis(2-chloroethyl)ether	ND		1.0	0.10	ug/L		09/27/17 09:28	09/29/17 09:37	1
Bis(2-ethylhexyl) phthalate	ND		5.0	1.7	ug/L		09/27/17 09:28	09/29/17 09:37	1
4-Bromophenyl phenyl ether	ND		2.0	0.22	ug/L		09/27/17 09:28	09/29/17 09:37	1
Caprolactam	ND		5.0	0.20	ug/L		09/27/17 09:28	09/29/17 09:37	1
Carbazole	ND		1.0	0.28	ug/L		09/27/17 09:28	09/29/17 09:37	1
4-Chloroaniline	ND		2.0	0.21	ug/L		09/27/17 09:28	09/29/17 09:37	1
4-Chloro-3-methylphenol	ND		2.0	0.21	ug/L		09/27/17 09:28	09/29/17 09:37	1
2-Chloronaphthalene	ND		1.0	0.10	ug/L		09/27/17 09:28	09/29/17 09:37	1
2-Chlorophenol	ND		1.0	0.29	ug/L		09/27/17 09:28	09/29/17 09:37	1
4-Chlorophenyl phenyl ether	ND		2.0	0.30	ug/L		09/27/17 09:28	09/29/17 09:37	1
Chrysene	ND		0.20	0.050	ug/L		09/27/17 09:28	09/29/17 09:37	1
2-Methylnaphthalene	ND		0.20	0.090	ug/L		09/27/17 09:28	09/29/17 09:37	1
3 & 4 Methylphenol	ND		2.0	0.80	ug/L		09/27/17 09:28	09/29/17 09:37	1
Dibenz(a,h)anthracene	ND		0.20	0.045	ug/L		09/27/17 09:28	09/29/17 09:37	1
Dibenzofuran	ND		1.0	0.020	ug/L		09/27/17 09:28	09/29/17 09:37	1
3,3'-Dichlorobenzidine	ND		5.0	0.37	ug/L		09/27/17 09:28	09/29/17 09:37	1
2,4-Dichlorophenol	ND		2.0	0.19	ug/L		09/27/17 09:28	09/29/17 09:37	1
Diethyl phthalate	0.799	J	2.0	0.60	ug/L		09/27/17 09:28	09/29/17 09:37	1
2,4-Dimethylphenol	ND		2.0	0.25	ug/L		09/27/17 09:28	09/29/17 09:37	1
Dimethyl phthalate	ND		2.0	0.29	ug/L		09/27/17 09:28	09/29/17 09:37	1
4,6-Dinitro-2-methylphenol	ND		5.0	2.4	ug/L		09/27/17 09:28	09/29/17 09:37	1
2,4-Dinitrophenol	ND		5.0	0.32	ug/L		09/27/17 09:28	09/29/17 09:37	1
2,4-Dinitrotoluene	ND		5.0	0.25	ug/L		09/27/17 09:28	09/29/17 09:37	1
Di-n-butyl phthalate	ND		5.0	1.7	ug/L		09/27/17 09:28	09/29/17 09:37	1
Di-n-octyl phthalate	ND		2.0	0.23	ug/L		09/27/17 09:28	09/29/17 09:37	1
Fluoranthene	ND		0.20	0.045	ug/L		09/27/17 09:28	09/29/17 09:37	1
Fluorene	ND		0.20	0.041	ug/L		09/27/17 09:28	09/29/17 09:37	1
Hexachlorobenzene	ND		0.20	0.085	ug/L		09/27/17 09:28	09/29/17 09:37	1
Hexachlorobutadiene	ND		1.0	0.27	ug/L		09/27/17 09:28	09/29/17 09:37	1
Hexachlorocyclopentadiene	ND		10	0.24	ug/L		09/27/17 09:28	09/29/17 09:37	1
Hexachloroethane	ND		1.0	0.19	ug/L		09/27/17 09:28	09/29/17 09:37	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.043	ug/L		09/27/17 09:28	09/29/17 09:37	1
Isophorone	ND		1.0	0.27	ug/L		09/27/17 09:28	09/29/17 09:37	1
2-Methylphenol	ND		1.0	0.17	ug/L		09/27/17 09:28	09/29/17 09:37	1
Naphthalene	ND		0.20	0.063	ug/L		09/27/17 09:28	09/29/17 09:37	1
2-Nitroaniline	ND		2.0	0.21	ug/L		09/27/17 09:28	09/29/17 09:37	1
3-Nitroaniline	ND		2.0	0.28	ug/L		09/27/17 09:28	09/29/17 09:37	1
4-Nitroaniline	ND		2.0	0.22	ug/L		09/27/17 09:28	09/29/17 09:37	1
Nitrobenzene	ND		1.0	0.040	ug/L		09/27/17 09:28	09/29/17 09:37	1
2-Nitrophenol	ND		2.0	0.28	ug/L		09/27/17 09:28	09/29/17 09:37	1
4-Nitrophenol	ND		5.0	0.29	ug/L		09/27/17 09:28	09/29/17 09:37	1
N-Nitrosodiphenylamine	ND		1.0	0.31	ug/L		09/27/17 09:28	09/29/17 09:37	1
N-Nitrosodi-n-propylamine	ND		1.0	0.24	ug/L		09/27/17 09:28	09/29/17 09:37	1
2,2'-oxybis[1-chloropropane]	ND		1.0	0.40	ug/L		09/27/17 09:28	09/29/17 09:37	1

TestAmerica Canton

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-296485/18-A

Matrix: Water

Analysis Batch: 296829

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 296485

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		5.0	0.27	ug/L		09/27/17 09:28	09/29/17 09:37	1
Phenanthrene	ND		0.20	0.062	ug/L		09/27/17 09:28	09/29/17 09:37	1
Phenol	ND		1.0	0.60	ug/L		09/27/17 09:28	09/29/17 09:37	1
Pyrene	ND		0.20	0.042	ug/L		09/27/17 09:28	09/29/17 09:37	1
2,4,5-Trichlorophenol	ND		5.0	0.30	ug/L		09/27/17 09:28	09/29/17 09:37	1
2,4,6-Trichlorophenol	ND		5.0	0.24	ug/L		09/27/17 09:28	09/29/17 09:37	1
2,6-Dinitrotoluene	ND		5.0	0.80	ug/L		09/27/17 09:28	09/29/17 09:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	89		38 - 120	09/27/17 09:28	09/29/17 09:37	1
2-Fluorophenol (Surr)	51		10 - 120	09/27/17 09:28	09/29/17 09:37	1
2,4,6-Tribromophenol (Surr)	69		28 - 120	09/27/17 09:28	09/29/17 09:37	1
Nitrobenzene-d5 (Surr)	76		32 - 120	09/27/17 09:28	09/29/17 09:37	1
Phenol-d5 (Surr)	32		10 - 120	09/27/17 09:28	09/29/17 09:37	1
Terphenyl-d14 (Surr)	110		23 - 127	09/27/17 09:28	09/29/17 09:37	1

Lab Sample ID: LCS 240-296485/19-A

Matrix: Water

Analysis Batch: 296829

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 296485

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Acenaphthene	20.0	17.2		ug/L		86	54 - 120
Acenaphthylene	20.0	16.1		ug/L		81	53 - 120
Acetophenone	20.0	16.6		ug/L		83	56 - 120
Anthracene	20.0	18.0		ug/L		90	56 - 120
Atrazine	40.0	39.2		ug/L		98	61 - 127
Benzaldehyde	40.0	34.8		ug/L		87	47 - 134
Benzo[a]anthracene	20.0	18.0		ug/L		90	54 - 120
Benzo[b]fluoranthene	20.0	16.9		ug/L		84	53 - 120
Benzo[k]fluoranthene	20.0	17.2		ug/L		86	55 - 120
Benzo[g,h,i]perylene	20.0	15.5		ug/L		77	55 - 120
Benzo[a]pyrene	20.0	17.1		ug/L		85	54 - 120
Butyl benzyl phthalate	20.0	19.1		ug/L		95	51 - 120
1,1'-Biphenyl	20.0	16.2		ug/L		81	53 - 120
Bis(2-chloroethoxy)methane	20.0	16.6		ug/L		83	56 - 120
Bis(2-chloroethyl)ether	20.0	15.5		ug/L		77	51 - 120
Bis(2-ethylhexyl) phthalate	20.0	18.2		ug/L		91	50 - 120
4-Bromophenyl phenyl ether	20.0	17.3		ug/L		86	54 - 120
Caprolactam	40.0	5.49		ug/L		14	10 - 120
Carbazole	20.0	18.0		ug/L		90	62 - 120
4-Chloroaniline	20.0	2.00		ug/L		10	10 - 120
4-Chloro-3-methylphenol	20.0	15.0		ug/L		75	54 - 120
2-Chloronaphthalene	20.0	16.2		ug/L		81	53 - 120
2-Chlorophenol	20.0	15.0		ug/L		75	53 - 120
4-Chlorophenyl phenyl ether	20.0	17.6		ug/L		88	56 - 120
Chrysene	20.0	18.2		ug/L		91	56 - 120
2-Methylnaphthalene	20.0	14.0		ug/L		70	54 - 120
3 & 4 Methylphenol	20.0	12.3		ug/L		62	40 - 120

TestAmerica Canton

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-296485/19-A

Matrix: Water

Analysis Batch: 296829

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 296485

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dibenz(a,h)anthracene	20.0	14.4		ug/L		72	52 - 120
Dibenzofuran	20.0	17.2		ug/L		86	55 - 120
3,3'-Dichlorobenzidine	40.0	39.0		ug/L		97	57 - 120
2,4-Dichlorophenol	20.0	14.4		ug/L		72	55 - 120
Diethyl phthalate	20.0	20.5		ug/L		103	42 - 132
2,4-Dimethylphenol	20.0	15.4		ug/L		77	52 - 120
Dimethyl phthalate	20.0	18.3		ug/L		92	56 - 120
4,6-Dinitro-2-methylphenol	40.0	29.3		ug/L		73	36 - 120
2,4-Dinitrophenol	40.0	20.8		ug/L		52	12 - 120
2,4-Dinitrotoluene	20.0	20.0		ug/L		100	60 - 120
Di-n-butyl phthalate	20.0	18.8		ug/L		94	61 - 120
Di-n-octyl phthalate	20.0	14.7		ug/L		74	58 - 120
Fluoranthene	20.0	18.1		ug/L		91	58 - 120
Fluorene	20.0	17.4		ug/L		87	56 - 120
Hexachlorobenzene	20.0	16.9		ug/L		85	51 - 120
Hexachlorobutadiene	20.0	12.5		ug/L		62	44 - 120
Hexachlorocyclopentadiene	20.0	10.5		ug/L		52	19 - 120
Hexachloroethane	20.0	12.4		ug/L		62	44 - 120
Indeno[1,2,3-cd]pyrene	20.0	15.6		ug/L		78	54 - 120
Isophorone	20.0	16.2		ug/L		81	55 - 120
2-Methylphenol	20.0	13.7		ug/L		68	46 - 120
Naphthalene	20.0	14.2		ug/L		71	53 - 120
2-Nitroaniline	20.0	23.3		ug/L		117	51 - 120
3-Nitroaniline	20.0	13.8		ug/L		69	53 - 120
4-Nitroaniline	20.0	18.9		ug/L		94	55 - 120
Nitrobenzene	20.0	15.6		ug/L		78	55 - 120
2-Nitrophenol	20.0	15.4		ug/L		77	54 - 120
4-Nitrophenol	40.0	12.7		ug/L		32	10 - 120
N-Nitrosodiphenylamine	20.0	17.7		ug/L		89	55 - 120
N-Nitrosodi-n-propylamine	20.0	16.4		ug/L		82	53 - 120
2,2'-oxybis[1-chloropropane]	20.0	14.9		ug/L		75	45 - 120
Pentachlorophenol	40.0	23.6		ug/L		59	30 - 120
Phenanthrene	20.0	17.4		ug/L		87	55 - 120
Phenol	20.0	6.12		ug/L		31	10 - 120
Pyrene	20.0	19.2		ug/L		96	57 - 120
2,4,5-Trichlorophenol	20.0	16.9		ug/L		85	54 - 120
2,4,6-Trichlorophenol	20.0	16.5		ug/L		82	54 - 120
2,6-Dinitrotoluene	20.0	19.4		ug/L		97	60 - 120

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	90		38 - 120
2-Fluorophenol (Surr)	50		10 - 120
2,4,6-Tribromophenol (Surr)	84		28 - 120
Nitrobenzene-d5 (Surr)	80		32 - 120
Phenol-d5 (Surr)	32		10 - 120
Terphenyl-d14 (Surr)	100		23 - 127

TestAmerica Canton

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 240-296485/20-A

Matrix: Water

Analysis Batch: 296829

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 296485

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	20.0	18.3		ug/L		92	54 - 120	6	35
Acenaphthylene	20.0	16.9		ug/L		85	53 - 120	5	35
Acetophenone	20.0	16.9		ug/L		85	56 - 120	2	35
Anthracene	20.0	19.0		ug/L		95	56 - 120	6	35
Atrazine	40.0	40.9		ug/L		102	61 - 127	4	35
Benzaldehyde	40.0	35.8		ug/L		90	47 - 134	3	35
Benzo[a]anthracene	20.0	19.4		ug/L		97	54 - 120	8	35
Benzo[b]fluoranthene	20.0	18.4		ug/L		92	53 - 120	9	35
Benzo[k]fluoranthene	20.0	18.6		ug/L		93	55 - 120	7	35
Benzo[g,h,i]perylene	20.0	16.6		ug/L		83	55 - 120	7	35
Benzo[a]pyrene	20.0	19.1		ug/L		96	54 - 120	11	35
Butyl benzyl phthalate	20.0	20.7		ug/L		104	51 - 120	8	35
1,1'-Biphenyl	20.0	17.1		ug/L		86	53 - 120	6	35
Bis(2-chloroethoxy)methane	20.0	17.3		ug/L		86	56 - 120	4	35
Bis(2-chloroethyl)ether	20.0	16.0		ug/L		80	51 - 120	4	35
Bis(2-ethylhexyl) phthalate	20.0	20.4		ug/L		102	50 - 120	11	35
4-Bromophenyl phenyl ether	20.0	18.2		ug/L		91	54 - 120	5	35
Caprolactam	40.0	6.69		ug/L		17	10 - 120	20	35
Carbazole	20.0	18.9		ug/L		95	62 - 120	5	35
4-Chloroaniline	20.0	2.35		ug/L		12	10 - 120	16	35
4-Chloro-3-methylphenol	20.0	16.3		ug/L		82	54 - 120	9	35
2-Chloronaphthalene	20.0	17.5		ug/L		88	53 - 120	8	35
2-Chlorophenol	20.0	15.4		ug/L		77	53 - 120	2	35
4-Chlorophenyl phenyl ether	20.0	18.6		ug/L		93	56 - 120	5	35
Chrysene	20.0	20.0		ug/L		100	56 - 120	10	35
2-Methylnaphthalene	20.0	14.9		ug/L		74	54 - 120	6	35
3 & 4 Methylphenol	20.0	13.4		ug/L		67	40 - 120	8	35
Dibenz(a,h)anthracene	20.0	16.2		ug/L		81	52 - 120	12	35
Dibenzofuran	20.0	18.2		ug/L		91	55 - 120	6	35
3,3'-Dichlorobenzidine	40.0	41.3		ug/L		103	57 - 120	6	35
2,4-Dichlorophenol	20.0	15.6		ug/L		78	55 - 120	8	35
Diethyl phthalate	20.0	22.1		ug/L		111	42 - 132	8	35
2,4-Dimethylphenol	20.0	16.9		ug/L		85	52 - 120	9	35
Dimethyl phthalate	20.0	19.8		ug/L		99	56 - 120	8	35
4,6-Dinitro-2-methylphenol	40.0	31.1		ug/L		78	36 - 120	6	35
2,4-Dinitrophenol	40.0	23.9		ug/L		60	12 - 120	14	35
2,4-Dinitrotoluene	20.0	20.6		ug/L		103	60 - 120	3	35
Di-n-butyl phthalate	20.0	20.1		ug/L		100	61 - 120	6	35
Di-n-octyl phthalate	20.0	15.8		ug/L		79	58 - 120	7	35
Fluoranthene	20.0	19.1		ug/L		96	58 - 120	5	35
Fluorene	20.0	18.8		ug/L		94	56 - 120	7	35
Hexachlorobenzene	20.0	18.1		ug/L		91	51 - 120	7	35
Hexachlorobutadiene	20.0	13.2		ug/L		66	44 - 120	6	35
Hexachlorocyclopentadiene	20.0	11.2		ug/L		56	19 - 120	7	35
Hexachloroethane	20.0	12.3		ug/L		62	44 - 120	0	35
Indeno[1,2,3-cd]pyrene	20.0	16.9		ug/L		84	54 - 120	8	35
Isophorone	20.0	17.1		ug/L		85	55 - 120	5	35
2-Methylphenol	20.0	15.0		ug/L		75	46 - 120	9	35

TestAmerica Canton

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 240-296485/20-A

Matrix: Water

Analysis Batch: 296829

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 296485

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Naphthalene	20.0	14.6		ug/L		73	53 - 120	3	35
2-Nitroaniline	20.0	25.5	*	ug/L		128	51 - 120	9	35
3-Nitroaniline	20.0	16.1		ug/L		81	53 - 120	16	35
4-Nitroaniline	20.0	19.5		ug/L		97	55 - 120	3	35
Nitrobenzene	20.0	16.4		ug/L		82	55 - 120	5	35
2-Nitrophenol	20.0	16.7		ug/L		83	54 - 120	8	35
4-Nitrophenol	40.0	15.7		ug/L		39	10 - 120	21	35
N-Nitrosodiphenylamine	20.0	18.7		ug/L		93	55 - 120	5	35
N-Nitrosodi-n-propylamine	20.0	16.6		ug/L		83	53 - 120	1	35
2,2'-oxybis[1-chloropropane]	20.0	15.1		ug/L		76	45 - 120	1	35
Pentachlorophenol	40.0	25.6		ug/L		64	30 - 120	8	35
Phenanthrene	20.0	18.3		ug/L		92	55 - 120	5	35
Phenol	20.0	7.20		ug/L		36	10 - 120	16	35
Pyrene	20.0	20.5		ug/L		102	57 - 120	7	35
2,4,5-Trichlorophenol	20.0	18.9		ug/L		95	54 - 120	11	35
2,4,6-Trichlorophenol	20.0	17.3		ug/L		87	54 - 120	5	35
2,6-Dinitrotoluene	20.0	21.6		ug/L		108	60 - 120	11	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl (Surr)	96		38 - 120
2-Fluorophenol (Surr)	53		10 - 120
2,4,6-Tribromophenol (Surr)	90		28 - 120
Nitrobenzene-d5 (Surr)	84		32 - 120
Phenol-d5 (Surr)	36		10 - 120
Terphenyl-d14 (Surr)	106		23 - 127

Method: WI-GRO - Wisconsin - Gasoline Range Organics (GC)

Lab Sample ID: MB 240-297098/21

Matrix: Water

Analysis Batch: 297098

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
WI Gasoline Range Organics (C6-C10)	ND		100	20	ug/L			10/02/17 21:10	1

Lab Sample ID: LCS 240-297098/22

Matrix: Water

Analysis Batch: 297098

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
WI Gasoline Range Organics (C6-C10)	800	700		ug/L		88	80 - 120

TestAmerica Canton

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Method: WI-GRO - Wisconsin - Gasoline Range Organics (GC) (Continued)

Lab Sample ID: LCSD 240-297098/36

Matrix: Water

Analysis Batch: 297098

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
WI Gasoline Range Organics (C6-C10)	800	797		ug/L		100	80 - 120	13	20

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 240-296387/18-A

Matrix: Water

Analysis Batch: 296589

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 296387

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.20	0.050	ug/L		09/26/17 14:40	09/28/17 18:46	1
Aroclor-1221	ND		0.20	0.090	ug/L		09/26/17 14:40	09/28/17 18:46	1
Aroclor-1232	ND		0.20	0.070	ug/L		09/26/17 14:40	09/28/17 18:46	1
Aroclor-1242	ND		0.20	0.060	ug/L		09/26/17 14:40	09/28/17 18:46	1
Aroclor-1248	ND		0.20	0.050	ug/L		09/26/17 14:40	09/28/17 18:46	1
Aroclor-1254	ND		0.20	0.030	ug/L		09/26/17 14:40	09/28/17 18:46	1
Aroclor-1260	ND		0.20	0.040	ug/L		09/26/17 14:40	09/28/17 18:46	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	70		10 - 120				09/26/17 14:40	09/28/17 18:46	1
Tetrachloro-m-xylene	60		21 - 120				09/26/17 14:40	09/28/17 18:46	1

Lab Sample ID: LCS 240-296387/19-A

Matrix: Water

Analysis Batch: 296589

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 296387

			Spike	LCS	LCS				
Analyte			Added	Result	Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016			2.50	1.43		ug/L		57	32 - 120
Aroclor-1260			2.50	1.65		ug/L		66	36 - 120
Surrogate	LCS	LCS							
	%Recovery	Qualifier	Limits						
DCB Decachlorobiphenyl	71		10 - 120						
Tetrachloro-m-xylene	58		21 - 120						

Lab Sample ID: MB 240-296554/15-A

Matrix: Water

Analysis Batch: 296783

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 296554

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.20	0.050	ug/L		09/27/17 13:47	09/29/17 15:19	1
Aroclor-1221	ND		0.20	0.090	ug/L		09/27/17 13:47	09/29/17 15:19	1
Aroclor-1232	ND		0.20	0.070	ug/L		09/27/17 13:47	09/29/17 15:19	1
Aroclor-1242	ND		0.20	0.060	ug/L		09/27/17 13:47	09/29/17 15:19	1
Aroclor-1248	ND		0.20	0.050	ug/L		09/27/17 13:47	09/29/17 15:19	1
Aroclor-1254	ND		0.20	0.030	ug/L		09/27/17 13:47	09/29/17 15:19	1
Aroclor-1260	ND		0.20	0.040	ug/L		09/27/17 13:47	09/29/17 15:19	1

TestAmerica Canton

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 240-296554/15-A

Matrix: Water

Analysis Batch: 296783

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 296554

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	79		10 - 120	09/27/17 13:47	09/29/17 15:19	1
Tetrachloro-m-xylene	73		21 - 120	09/27/17 13:47	09/29/17 15:19	1

Lab Sample ID: LCS 240-296554/16-A

Matrix: Water

Analysis Batch: 296783

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 296554

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	2.50	1.49		ug/L		60	32 - 120
Aroclor-1260	2.50	1.46		ug/L		58	36 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	67		10 - 120
Tetrachloro-m-xylene	68		21 - 120

Method: WI-DRO - Wisconsin - Diesel Range Organics (GC)

Lab Sample ID: MB 240-296388/8-A

Matrix: Water

Analysis Batch: 296547

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 296388

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
WI Diesel Range Organics (C10-C28)	0.0426	J	0.10	0.020	mg/L		09/26/17 14:46	09/27/17 17:24	1

Lab Sample ID: LCS 240-296388/9-A

Matrix: Water

Analysis Batch: 296547

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 296388

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
WI Diesel Range Organics (C10-C28)	0.500	0.559		mg/L		112	75 - 115

Lab Sample ID: LCSD 240-296388/10-A

Matrix: Water

Analysis Batch: 296547

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 296388

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
WI Diesel Range Organics (C10-C28)	0.500	0.515		mg/L		103	75 - 115	8	20

Lab Sample ID: MB 240-296579/6-A

Matrix: Water

Analysis Batch: 296717

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 296579

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
WI Diesel Range Organics (C10-C28)	0.0289	J	0.10	0.020	mg/L		09/27/17 17:14	09/28/17 17:49	1

TestAmerica Canton

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Method: WI-DRO - Wisconsin - Diesel Range Organics (GC) (Continued)

Lab Sample ID: LCS 240-296579/7-A
Matrix: Water
Analysis Batch: 296717

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 296579

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
WI Diesel Range Organics (C10-C28)	0.500	0.506		mg/L		101	75 - 115

Lab Sample ID: LCSD 240-296579/8-A
Matrix: Water
Analysis Batch: 296717

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 296579

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
WI Diesel Range Organics (C10-C28)	0.500	0.484		mg/L		97	75 - 115	4	20

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 240-296107/1-A
Matrix: Water
Analysis Batch: 296444

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 296107

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		200	2.4	ug/L		09/25/17 14:00	09/26/17 13:02	1
Aluminum	ND		200	40	ug/L		09/25/17 14:00	09/26/17 13:02	1
Cadmium	ND		5.0	0.29	ug/L		09/25/17 14:00	09/26/17 13:02	1
Chromium	ND		10	0.55	ug/L		09/25/17 14:00	09/26/17 13:02	1
Silver	ND		10	0.92	ug/L		09/25/17 14:00	09/26/17 13:02	1
Arsenic	ND		10	3.3	ug/L		09/25/17 14:00	09/26/17 13:02	1
Beryllium	ND		5.0	0.21	ug/L		09/25/17 14:00	09/26/17 13:02	1
Lead	ND		3.0	1.9	ug/L		09/25/17 14:00	09/26/17 13:02	1
Calcium	ND		5000	710	ug/L		09/25/17 14:00	09/26/17 13:02	1
Cobalt	ND		7.0	0.84	ug/L		09/25/17 14:00	09/26/17 13:02	1
Copper	ND		25	3.9	ug/L		09/25/17 14:00	09/26/17 13:02	1
Iron	ND		100	25	ug/L		09/25/17 14:00	09/26/17 13:02	1
Potassium	ND		5000	70	ug/L		09/25/17 14:00	09/26/17 13:02	1
Magnesium	ND		5000	230	ug/L		09/25/17 14:00	09/26/17 13:02	1
Manganese	ND		15	5.1	ug/L		09/25/17 14:00	09/26/17 13:02	1
Sodium	ND		5000	330	ug/L		09/25/17 14:00	09/26/17 13:02	1
Nickel	ND		40	1.6	ug/L		09/25/17 14:00	09/26/17 13:02	1
Antimony	ND		10	3.1	ug/L		09/25/17 14:00	09/26/17 13:02	1
Vanadium	ND		10	4.4	ug/L		09/25/17 14:00	09/26/17 13:02	1
Zinc	ND		50	16	ug/L		09/25/17 14:00	09/26/17 13:02	1

Lab Sample ID: LCS 240-296107/2-A
Matrix: Water
Analysis Batch: 296444

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 296107

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	2000	2010		ug/L		101	80 - 120
Aluminum	2000	2030		ug/L		101	80 - 120
Cadmium	50.0	53.4		ug/L		107	80 - 120
Chromium	200	198		ug/L		99	80 - 120
Silver	50.0	52.5		ug/L		105	80 - 120

TestAmerica Canton

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 240-296107/2-A

Matrix: Water

Analysis Batch: 296444

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 296107

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	2000	2190		ug/L		110	80 - 120
Beryllium	50.0	50.9		ug/L		102	80 - 120
Lead	500	513		ug/L		103	80 - 120
Calcium	50000	51300		ug/L		103	80 - 120
Cobalt	500	515		ug/L		103	80 - 120
Copper	250	258		ug/L		103	80 - 120
Iron	1000	1040		ug/L		104	80 - 120
Potassium	50000	50500		ug/L		101	80 - 120
Magnesium	50000	51500		ug/L		103	80 - 120
Manganese	500	518		ug/L		104	80 - 120
Sodium	50000	50800		ug/L		102	80 - 120
Nickel	500	527		ug/L		105	80 - 120
Antimony	500	533		ug/L		107	80 - 120
Vanadium	500	497		ug/L		99	80 - 120
Zinc	500	532		ug/L		106	80 - 120

Lab Sample ID: 240-85395-15 MS

Matrix: Water

Analysis Batch: 296444

Client Sample ID: AMW-22B-(20170919)

Prep Type: Dissolved

Prep Batch: 296107

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	180	J	2000	2230		ug/L		102	75 - 125
Aluminum	ND		2000	2040		ug/L		102	75 - 125
Cadmium	ND		50.0	54.5		ug/L		109	75 - 125
Chromium	1.1	J	200	197		ug/L		98	75 - 125
Silver	ND		50.0	52.8		ug/L		106	75 - 125
Arsenic	ND		2000	2240		ug/L		112	75 - 125
Beryllium	ND		50.0	51.5		ug/L		103	75 - 125
Lead	ND		500	511		ug/L		102	75 - 125
Calcium	79000		50000	131000		ug/L		102	75 - 125
Cobalt	ND		500	522		ug/L		104	75 - 125
Copper	ND		250	262		ug/L		105	75 - 125
Iron	3100		1000	4030		ug/L		96	75 - 125
Potassium	2200	J	50000	53800		ug/L		103	75 - 125
Magnesium	30000		50000	80000		ug/L		101	75 - 125
Manganese	170		500	685		ug/L		104	75 - 125
Sodium	5900		50000	57800		ug/L		104	75 - 125
Nickel	ND		500	532		ug/L		106	75 - 125
Antimony	ND		500	549		ug/L		110	75 - 125
Vanadium	ND		500	500		ug/L		100	75 - 125
Zinc	ND		500	533		ug/L		107	75 - 125

Lab Sample ID: 240-85395-15 MSD

Matrix: Water

Analysis Batch: 296444

Client Sample ID: AMW-22B-(20170919)

Prep Type: Dissolved

Prep Batch: 296107

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Barium	180	J	2000	2200		ug/L		101	75 - 125	1	20
Aluminum	ND		2000	2020		ug/L		101	75 - 125	1	20

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QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 240-85395-15 MSD

Matrix: Water

Analysis Batch: 296444

Client Sample ID: AMW-22B-(20170919)

Prep Type: Dissolved

Prep Batch: 296107

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	ND		50.0	53.8		ug/L		108	75 - 125	1	20
Chromium	1.1	J	200	195		ug/L		97	75 - 125	1	20
Silver	ND		50.0	52.7		ug/L		105	75 - 125	0	20
Arsenic	ND		2000	2210		ug/L		110	75 - 125	1	20
Beryllium	ND		50.0	51.4		ug/L		103	75 - 125	0	20
Lead	ND		500	505		ug/L		101	75 - 125	1	20
Calcium	79000		50000	130000		ug/L		101	75 - 125	1	20
Cobalt	ND		500	513		ug/L		103	75 - 125	2	20
Copper	ND		250	259		ug/L		103	75 - 125	1	20
Iron	3100		1000	3970		ug/L		91	75 - 125	1	20
Potassium	2200	J	50000	53400		ug/L		102	75 - 125	1	20
Magnesium	30000		50000	79800		ug/L		101	75 - 125	0	20
Manganese	170		500	683		ug/L		103	75 - 125	0	20
Sodium	5900		50000	57500		ug/L		103	75 - 125	1	20
Nickel	ND		500	524		ug/L		105	75 - 125	2	20
Antimony	ND		500	537		ug/L		107	75 - 125	2	20
Vanadium	ND		500	491		ug/L		98	75 - 125	2	20
Zinc	ND		500	527		ug/L		105	75 - 125	1	20

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 240-296107/1-A

Matrix: Water

Analysis Batch: 296549

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 296107

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		1.0	0.20	ug/L		09/25/17 14:00	09/27/17 11:23	1
Selenium	ND		5.0	0.89	ug/L		09/25/17 14:00	09/27/17 11:23	1

Lab Sample ID: LCS 240-296107/3-A

Matrix: Water

Analysis Batch: 296446

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 296107

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Thallium	250	218		ug/L		87	80 - 120
Selenium	1000	932		ug/L		93	80 - 120

Lab Sample ID: 240-85395-15 MS

Matrix: Water

Analysis Batch: 296446

Client Sample ID: AMW-22B-(20170919)

Prep Type: Dissolved

Prep Batch: 296107

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Thallium	0.21	J	250	237		ug/L		95	75 - 125
Selenium	ND		1000	962		ug/L		96	75 - 125

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QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: 240-85395-15 MSD

Matrix: Water

Analysis Batch: 296446

Client Sample ID: AMW-22B-(20170919)

Prep Type: Dissolved

Prep Batch: 296107

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Thallium	0.21	J	250	218		ug/L		87	75 - 125	8	20
Selenium	ND		1000	932		ug/L		93	75 - 125	3	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-296116/1-A

Matrix: Water

Analysis Batch: 296383

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 296116

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L		09/25/17 14:00	09/26/17 11:16	1

Lab Sample ID: LCS 240-296116/2-A

Matrix: Water

Analysis Batch: 296383

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 296116

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	4.67		ug/L		93	80 - 120

Lab Sample ID: 240-85395-15 MS

Matrix: Water

Analysis Batch: 296383

Client Sample ID: AMW-22B-(20170919)

Prep Type: Dissolved

Prep Batch: 296116

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		1.00	0.935		ug/L		93	80 - 120

Lab Sample ID: 240-85395-15 MSD

Matrix: Water

Analysis Batch: 296383

Client Sample ID: AMW-22B-(20170919)

Prep Type: Dissolved

Prep Batch: 296116

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		1.00	0.821		ug/L		82	80 - 120	13	20

Method: 9012B - Cyanide, Total and/or Amenable

Lab Sample ID: MB 490-463472/1-A

Matrix: Water

Analysis Batch: 463960

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 463472

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0070	mg/L		09/27/17 13:01	09/28/17 16:19	1

Lab Sample ID: LCS 490-463472/2-A

Matrix: Water

Analysis Batch: 463960

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 463472

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.100	0.0992		mg/L		99	85 - 115

TestAmerica Canton

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Method: 9012B - Cyanide, Total and/or Amenable (Continued)

Lab Sample ID: 240-85395-15 MS

Matrix: Water

Analysis Batch: 463960

Client Sample ID: AMW-22B-(20170919)

Prep Type: Total/NA

Prep Batch: 463472

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	ND		0.100	0.0882		mg/L		88	70 - 130

Lab Sample ID: 240-85395-15 MSD

Matrix: Water

Analysis Batch: 463960

Client Sample ID: AMW-22B-(20170919)

Prep Type: Total/NA

Prep Batch: 463472

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Cyanide, Total	ND		0.100	0.101		mg/L		101	70 - 130	14	46

Lab Sample ID: 240-85395-13 DU

Matrix: Water

Analysis Batch: 463960

Client Sample ID: AMW-22-(20170919)

Prep Type: Total/NA

Prep Batch: 463472

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Cyanide, Total	ND		ND		mg/L		NC	20

Lab Sample ID: MB 490-463663/1-A

Matrix: Water

Analysis Batch: 463960

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 463663

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0070	mg/L		09/28/17 08:48	09/28/17 16:47	1

Lab Sample ID: LCS 490-463663/2-A

Matrix: Water

Analysis Batch: 463960

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 463663

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.100	0.0973		mg/L		97	85 - 115

Lab Sample ID: 240-85395-21 MS

Matrix: Water

Analysis Batch: 463960

Client Sample ID: AMW-24-(20170920)

Prep Type: Total/NA

Prep Batch: 463663

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	ND		0.100	0.0951		mg/L		95	70 - 130

Lab Sample ID: 240-85395-21 MSD

Matrix: Water

Analysis Batch: 463960

Client Sample ID: AMW-24-(20170920)

Prep Type: Total/NA

Prep Batch: 463663

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Cyanide, Total	ND		0.100	0.117		mg/L		117	70 - 130	21	46

Lab Sample ID: 240-85431-F-6-B DU

Matrix: Water

Analysis Batch: 463960

Client Sample ID: Duplicate

Prep Type: Total/NA

Prep Batch: 463663

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Cyanide, Total	ND		ND		mg/L		NC	20

TestAmerica Canton

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

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QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

GC/MS VOA

Analysis Batch: 297056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-85395-12	TRIP BLANK6	Total/NA	Water	8260B	
240-85395-13	AMW-22-(20170919)	Total/NA	Water	8260B	
240-85395-14	TRIP BLANK7	Total/NA	Water	8260B	
240-85395-15	AMW-22B-(20170919)	Total/NA	Water	8260B	
MB 240-297056/7	Method Blank	Total/NA	Water	8260B	
LCS 240-297056/5	Lab Control Sample	Total/NA	Water	8260B	
240-85395-15 MS	AMW-22B-(20170919)	Total/NA	Water	8260B	
240-85395-15 MSD	AMW-22B-(20170919)	Total/NA	Water	8260B	

Analysis Batch: 297061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-85395-1	AMW-07-(20170919)	Total/NA	Water	8260B	
240-85395-2	TRIP BLANK1	Total/NA	Water	8260B	
240-85395-5	AMW-19-(20170919)	Total/NA	Water	8260B	
240-85395-6	TRIP BLANK3	Total/NA	Water	8260B	
240-85395-7	AMW-20-(20170920)	Total/NA	Water	8260B	
240-85395-8	TRIP BLANK4	Total/NA	Water	8260B	
240-85395-9	DUP-02-(20170920)	Total/NA	Water	8260B	
240-85395-10	TRIP BLANK5	Total/NA	Water	8260B	
240-85395-11	AMW-21-(20170919)	Total/NA	Water	8260B	
240-85395-16	TRIP BLANK8	Total/NA	Water	8260B	
MB 240-297061/6	Method Blank	Total/NA	Water	8260B	
LCS 240-297061/4	Lab Control Sample	Total/NA	Water	8260B	
240-85327-B-1 MS	Matrix Spike	Total/NA	Water	8260B	
240-85327-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Analysis Batch: 297179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-85395-17	AMW-23-(20170920)	Total/NA	Water	8260B	
240-85395-18	TRIP BLANK9	Total/NA	Water	8260B	
240-85395-19	AMW-23B-(20170920)	Total/NA	Water	8260B	
240-85395-20	TRIP BLANK10	Total/NA	Water	8260B	
240-85395-21	AMW-24-(20170920)	Total/NA	Water	8260B	
240-85395-22	TRIP BLANK11	Total/NA	Water	8260B	
240-85395-23	AMW-25-(20170920)	Total/NA	Water	8260B	
240-85395-24	TRIP BLANK12	Total/NA	Water	8260B	
240-85395-25	AMW-26-(20170920)	Total/NA	Water	8260B	
240-85395-26	TRIP BLANK13	Total/NA	Water	8260B	
MB 240-297179/6	Method Blank	Total/NA	Water	8260B	
LCS 240-297179/4	Lab Control Sample	Total/NA	Water	8260B	
240-85397-E-25 MS	Matrix Spike	Total/NA	Water	8260B	
240-85397-F-25 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Analysis Batch: 297346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-85395-23	AMW-25-(20170920)	Total/NA	Water	8260B	
240-85395-25	AMW-26-(20170920)	Total/NA	Water	8260B	
MB 240-297346/6	Method Blank	Total/NA	Water	8260B	
LCS 240-297346/4	Lab Control Sample	Total/NA	Water	8260B	

TestAmerica Canton

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

GC/MS Semi VOA

Prep Batch: 296281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-85395-1	AMW-07-(20170919)	Total/NA	Water	3510C	
240-85395-5	AMW-19-(20170919)	Total/NA	Water	3510C	
240-85395-11	AMW-21-(20170919)	Total/NA	Water	3510C	
240-85395-13	AMW-22-(20170919)	Total/NA	Water	3510C	
240-85395-15	AMW-22B-(20170919)	Total/NA	Water	3510C	
MB 240-296281/21-A	Method Blank	Total/NA	Water	3510C	
LCS 240-296281/22-A	Lab Control Sample	Total/NA	Water	3510C	

Prep Batch: 296485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-85395-7	AMW-20-(20170920)	Total/NA	Water	3510C	
240-85395-9	DUP-02-(20170920)	Total/NA	Water	3510C	
240-85395-17	AMW-23-(20170920)	Total/NA	Water	3510C	
240-85395-19	AMW-23B-(20170920)	Total/NA	Water	3510C	
240-85395-21	AMW-24-(20170920)	Total/NA	Water	3510C	
240-85395-23	AMW-25-(20170920)	Total/NA	Water	3510C	
240-85395-25	AMW-26-(20170920)	Total/NA	Water	3510C	
MB 240-296485/18-A	Method Blank	Total/NA	Water	3510C	
LCS 240-296485/19-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 240-296485/20-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 296632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-85395-15	AMW-22B-(20170919)	Total/NA	Water	8270C	296281
MB 240-296281/21-A	Method Blank	Total/NA	Water	8270C	296281
LCS 240-296281/22-A	Lab Control Sample	Total/NA	Water	8270C	296281

Analysis Batch: 296829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-85395-1	AMW-07-(20170919)	Total/NA	Water	8270C	296281
240-85395-5	AMW-19-(20170919)	Total/NA	Water	8270C	296281
240-85395-7	AMW-20-(20170920)	Total/NA	Water	8270C	296485
240-85395-9	DUP-02-(20170920)	Total/NA	Water	8270C	296485
240-85395-11	AMW-21-(20170919)	Total/NA	Water	8270C	296281
240-85395-13	AMW-22-(20170919)	Total/NA	Water	8270C	296281
240-85395-17	AMW-23-(20170920)	Total/NA	Water	8270C	296485
240-85395-19	AMW-23B-(20170920)	Total/NA	Water	8270C	296485
240-85395-21	AMW-24-(20170920)	Total/NA	Water	8270C	296485
240-85395-23	AMW-25-(20170920)	Total/NA	Water	8270C	296485
240-85395-25	AMW-26-(20170920)	Total/NA	Water	8270C	296485
MB 240-296485/18-A	Method Blank	Total/NA	Water	8270C	296485
LCS 240-296485/19-A	Lab Control Sample	Total/NA	Water	8270C	296485
LCSD 240-296485/20-A	Lab Control Sample Dup	Total/NA	Water	8270C	296485

GC VOA

Analysis Batch: 297098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-85395-1	AMW-07-(20170919)	Total/NA	Water	WI-GRO	
240-85395-5	AMW-19-(20170919)	Total/NA	Water	WI-GRO	

TestAmerica Canton

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

GC VOA (Continued)

Analysis Batch: 297098 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-85395-7	AMW-20-(20170920)	Total/NA	Water	WI-GRO	
240-85395-9	DUP-02-(20170920)	Total/NA	Water	WI-GRO	
240-85395-11	AMW-21-(20170919)	Total/NA	Water	WI-GRO	
240-85395-13	AMW-22-(20170919)	Total/NA	Water	WI-GRO	
240-85395-15	AMW-22B-(20170919)	Total/NA	Water	WI-GRO	
240-85395-17	AMW-23-(20170920)	Total/NA	Water	WI-GRO	
240-85395-19	AMW-23B-(20170920)	Total/NA	Water	WI-GRO	
240-85395-21	AMW-24-(20170920)	Total/NA	Water	WI-GRO	
240-85395-23	AMW-25-(20170920)	Total/NA	Water	WI-GRO	
240-85395-25	AMW-26-(20170920)	Total/NA	Water	WI-GRO	
MB 240-297098/21	Method Blank	Total/NA	Water	WI-GRO	
LCS 240-297098/22	Lab Control Sample	Total/NA	Water	WI-GRO	
LCSD 240-297098/36	Lab Control Sample Dup	Total/NA	Water	WI-GRO	

GC Semi VOA

Prep Batch: 296387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-85395-1	AMW-07-(20170919)	Total/NA	Water	3520C	
240-85395-5	AMW-19-(20170919)	Total/NA	Water	3520C	
240-85395-11	AMW-21-(20170919)	Total/NA	Water	3520C	
240-85395-13	AMW-22-(20170919)	Total/NA	Water	3520C	
240-85395-15	AMW-22B-(20170919)	Total/NA	Water	3520C	
MB 240-296387/18-A	Method Blank	Total/NA	Water	3520C	
LCS 240-296387/19-A	Lab Control Sample	Total/NA	Water	3520C	

Prep Batch: 296388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-85395-1	AMW-07-(20170919)	Total/NA	Water	3510C	
240-85395-5	AMW-19-(20170919)	Total/NA	Water	3510C	
240-85395-7	AMW-20-(20170920)	Total/NA	Water	3510C	
240-85395-9	DUP-02-(20170920)	Total/NA	Water	3510C	
240-85395-11	AMW-21-(20170919)	Total/NA	Water	3510C	
240-85395-13	AMW-22-(20170919)	Total/NA	Water	3510C	
240-85395-15	AMW-22B-(20170919)	Total/NA	Water	3510C	
MB 240-296388/8-A	Method Blank	Total/NA	Water	3510C	
LCS 240-296388/9-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 240-296388/10-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 296547

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-85395-1	AMW-07-(20170919)	Total/NA	Water	WI-DRO	296388
240-85395-5	AMW-19-(20170919)	Total/NA	Water	WI-DRO	296388
240-85395-7	AMW-20-(20170920)	Total/NA	Water	WI-DRO	296388
240-85395-9	DUP-02-(20170920)	Total/NA	Water	WI-DRO	296388
240-85395-11	AMW-21-(20170919)	Total/NA	Water	WI-DRO	296388
240-85395-13	AMW-22-(20170919)	Total/NA	Water	WI-DRO	296388
240-85395-15	AMW-22B-(20170919)	Total/NA	Water	WI-DRO	296388
MB 240-296388/8-A	Method Blank	Total/NA	Water	WI-DRO	296388
LCS 240-296388/9-A	Lab Control Sample	Total/NA	Water	WI-DRO	296388

TestAmerica Canton

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

GC Semi VOA (Continued)

Analysis Batch: 296547 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 240-296388/10-A	Lab Control Sample Dup	Total/NA	Water	WI-DRO	296388

Prep Batch: 296554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-85395-7	AMW-20-(20170920)	Total/NA	Water	3520C	
240-85395-9	DUP-02-(20170920)	Total/NA	Water	3520C	
240-85395-17	AMW-23-(20170920)	Total/NA	Water	3520C	
240-85395-19	AMW-23B-(20170920)	Total/NA	Water	3520C	
240-85395-21	AMW-24-(20170920)	Total/NA	Water	3520C	
240-85395-23	AMW-25-(20170920)	Total/NA	Water	3520C	
240-85395-25	AMW-26-(20170920)	Total/NA	Water	3520C	
MB 240-296554/15-A	Method Blank	Total/NA	Water	3520C	
LCS 240-296554/16-A	Lab Control Sample	Total/NA	Water	3520C	

Prep Batch: 296579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-85395-17	AMW-23-(20170920)	Total/NA	Water	3510C	
240-85395-19	AMW-23B-(20170920)	Total/NA	Water	3510C	
240-85395-21	AMW-24-(20170920)	Total/NA	Water	3510C	
240-85395-23	AMW-25-(20170920)	Total/NA	Water	3510C	
240-85395-25	AMW-26-(20170920)	Total/NA	Water	3510C	
MB 240-296579/6-A	Method Blank	Total/NA	Water	3510C	
LCS 240-296579/7-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 240-296579/8-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 296589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-85395-1	AMW-07-(20170919)	Total/NA	Water	8082	296387
240-85395-5	AMW-19-(20170919)	Total/NA	Water	8082	296387
240-85395-13	AMW-22-(20170919)	Total/NA	Water	8082	296387
240-85395-15	AMW-22B-(20170919)	Total/NA	Water	8082	296387
MB 240-296387/18-A	Method Blank	Total/NA	Water	8082	296387
LCS 240-296387/19-A	Lab Control Sample	Total/NA	Water	8082	296387

Analysis Batch: 296717

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-85395-17	AMW-23-(20170920)	Total/NA	Water	WI-DRO	296579
240-85395-19	AMW-23B-(20170920)	Total/NA	Water	WI-DRO	296579
240-85395-21	AMW-24-(20170920)	Total/NA	Water	WI-DRO	296579
240-85395-25	AMW-26-(20170920)	Total/NA	Water	WI-DRO	296579
MB 240-296579/6-A	Method Blank	Total/NA	Water	WI-DRO	296579
LCS 240-296579/7-A	Lab Control Sample	Total/NA	Water	WI-DRO	296579
LCSD 240-296579/8-A	Lab Control Sample Dup	Total/NA	Water	WI-DRO	296579

Analysis Batch: 296783

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-85395-7	AMW-20-(20170920)	Total/NA	Water	8082	296554
240-85395-9	DUP-02-(20170920)	Total/NA	Water	8082	296554
240-85395-17	AMW-23-(20170920)	Total/NA	Water	8082	296554
240-85395-19	AMW-23B-(20170920)	Total/NA	Water	8082	296554
240-85395-21	AMW-24-(20170920)	Total/NA	Water	8082	296554

TestAmerica Canton

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

GC Semi VOA (Continued)

Analysis Batch: 296783 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-85395-23	AMW-25-(20170920)	Total/NA	Water	8082	296554
240-85395-25	AMW-26-(20170920)	Total/NA	Water	8082	296554
MB 240-296554/15-A	Method Blank	Total/NA	Water	8082	296554
LCS 240-296554/16-A	Lab Control Sample	Total/NA	Water	8082	296554

Analysis Batch: 296923

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-85395-23	AMW-25-(20170920)	Total/NA	Water	WI-DRO	296579

Analysis Batch: 296982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-85395-11	AMW-21-(20170919)	Total/NA	Water	8082	296387

Metals

Prep Batch: 296107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-85395-1	AMW-07-(20170919)	Dissolved	Water	3005A	
240-85395-5	AMW-19-(20170919)	Dissolved	Water	3005A	
240-85395-7	AMW-20-(20170920)	Dissolved	Water	3005A	
240-85395-9	DUP-02-(20170920)	Dissolved	Water	3005A	
240-85395-11	AMW-21-(20170919)	Dissolved	Water	3005A	
240-85395-13	AMW-22-(20170919)	Dissolved	Water	3005A	
240-85395-15	AMW-22B-(20170919)	Dissolved	Water	3005A	
240-85395-17	AMW-23-(20170920)	Dissolved	Water	3005A	
240-85395-19	AMW-23B-(20170920)	Dissolved	Water	3005A	
240-85395-21	AMW-24-(20170920)	Dissolved	Water	3005A	
240-85395-23	AMW-25-(20170920)	Dissolved	Water	3005A	
240-85395-25	AMW-26-(20170920)	Dissolved	Water	3005A	
MB 240-296107/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 240-296107/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCS 240-296107/3-A	Lab Control Sample	Total Recoverable	Water	3005A	
240-85395-15 MS	AMW-22B-(20170919)	Dissolved	Water	3005A	
240-85395-15 MS	AMW-22B-(20170919)	Dissolved	Water	3005A	
240-85395-15 MSD	AMW-22B-(20170919)	Dissolved	Water	3005A	
240-85395-15 MSD	AMW-22B-(20170919)	Dissolved	Water	3005A	

Prep Batch: 296116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-85395-1	AMW-07-(20170919)	Dissolved	Water	7470A	
240-85395-5	AMW-19-(20170919)	Dissolved	Water	7470A	
240-85395-7	AMW-20-(20170920)	Dissolved	Water	7470A	
240-85395-9	DUP-02-(20170920)	Dissolved	Water	7470A	
240-85395-11	AMW-21-(20170919)	Dissolved	Water	7470A	
240-85395-13	AMW-22-(20170919)	Dissolved	Water	7470A	
240-85395-15	AMW-22B-(20170919)	Dissolved	Water	7470A	
240-85395-17	AMW-23-(20170920)	Dissolved	Water	7470A	
240-85395-19	AMW-23B-(20170920)	Dissolved	Water	7470A	
240-85395-21	AMW-24-(20170920)	Dissolved	Water	7470A	
240-85395-23	AMW-25-(20170920)	Dissolved	Water	7470A	

TestAmerica Canton

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Metals (Continued)

Prep Batch: 296116 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-85395-25	AMW-26-(20170920)	Dissolved	Water	7470A	
MB 240-296116/1-A	Method Blank	Total/NA	Water	7470A	
LCS 240-296116/2-A	Lab Control Sample	Total/NA	Water	7470A	
240-85395-15 MS	AMW-22B-(20170919)	Dissolved	Water	7470A	
240-85395-15 MSD	AMW-22B-(20170919)	Dissolved	Water	7470A	

Analysis Batch: 296383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-85395-1	AMW-07-(20170919)	Dissolved	Water	7470A	296116
240-85395-5	AMW-19-(20170919)	Dissolved	Water	7470A	296116
240-85395-7	AMW-20-(20170920)	Dissolved	Water	7470A	296116
240-85395-9	DUP-02-(20170920)	Dissolved	Water	7470A	296116
240-85395-11	AMW-21-(20170919)	Dissolved	Water	7470A	296116
240-85395-13	AMW-22-(20170919)	Dissolved	Water	7470A	296116
240-85395-15	AMW-22B-(20170919)	Dissolved	Water	7470A	296116
240-85395-17	AMW-23-(20170920)	Dissolved	Water	7470A	296116
240-85395-19	AMW-23B-(20170920)	Dissolved	Water	7470A	296116
240-85395-21	AMW-24-(20170920)	Dissolved	Water	7470A	296116
240-85395-23	AMW-25-(20170920)	Dissolved	Water	7470A	296116
240-85395-25	AMW-26-(20170920)	Dissolved	Water	7470A	296116
MB 240-296116/1-A	Method Blank	Total/NA	Water	7470A	296116
LCS 240-296116/2-A	Lab Control Sample	Total/NA	Water	7470A	296116
240-85395-15 MS	AMW-22B-(20170919)	Dissolved	Water	7470A	296116
240-85395-15 MSD	AMW-22B-(20170919)	Dissolved	Water	7470A	296116

Analysis Batch: 296444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-85395-1	AMW-07-(20170919)	Dissolved	Water	6010B	296107
240-85395-5	AMW-19-(20170919)	Dissolved	Water	6010B	296107
240-85395-7	AMW-20-(20170920)	Dissolved	Water	6010B	296107
240-85395-9	DUP-02-(20170920)	Dissolved	Water	6010B	296107
240-85395-11	AMW-21-(20170919)	Dissolved	Water	6010B	296107
240-85395-13	AMW-22-(20170919)	Dissolved	Water	6010B	296107
240-85395-15	AMW-22B-(20170919)	Dissolved	Water	6010B	296107
240-85395-17	AMW-23-(20170920)	Dissolved	Water	6010B	296107
240-85395-19	AMW-23B-(20170920)	Dissolved	Water	6010B	296107
240-85395-21	AMW-24-(20170920)	Dissolved	Water	6010B	296107
240-85395-23	AMW-25-(20170920)	Dissolved	Water	6010B	296107
240-85395-25	AMW-26-(20170920)	Dissolved	Water	6010B	296107
MB 240-296107/1-A	Method Blank	Total Recoverable	Water	6010B	296107
LCS 240-296107/2-A	Lab Control Sample	Total Recoverable	Water	6010B	296107
240-85395-15 MS	AMW-22B-(20170919)	Dissolved	Water	6010B	296107
240-85395-15 MSD	AMW-22B-(20170919)	Dissolved	Water	6010B	296107

Analysis Batch: 296446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-85395-1	AMW-07-(20170919)	Dissolved	Water	6020A	296107
240-85395-5	AMW-19-(20170919)	Dissolved	Water	6020A	296107
240-85395-7	AMW-20-(20170920)	Dissolved	Water	6020A	296107
240-85395-9	DUP-02-(20170920)	Dissolved	Water	6020A	296107
240-85395-11	AMW-21-(20170919)	Dissolved	Water	6020A	296107

TestAmerica Canton

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Metals (Continued)

Analysis Batch: 296446 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-85395-13	AMW-22-(20170919)	Dissolved	Water	6020A	296107
240-85395-15	AMW-22B-(20170919)	Dissolved	Water	6020A	296107
240-85395-17	AMW-23-(20170920)	Dissolved	Water	6020A	296107
240-85395-19	AMW-23B-(20170920)	Dissolved	Water	6020A	296107
240-85395-21	AMW-24-(20170920)	Dissolved	Water	6020A	296107
240-85395-23	AMW-25-(20170920)	Dissolved	Water	6020A	296107
240-85395-25	AMW-26-(20170920)	Dissolved	Water	6020A	296107
LCS 240-296107/3-A	Lab Control Sample	Total Recoverable	Water	6020A	296107
240-85395-15 MS	AMW-22B-(20170919)	Dissolved	Water	6020A	296107
240-85395-15 MSD	AMW-22B-(20170919)	Dissolved	Water	6020A	296107

Analysis Batch: 296549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-296107/1-A	Method Blank	Total Recoverable	Water	6020A	296107

General Chemistry

Prep Batch: 463472

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-85395-1	AMW-07-(20170919)	Total/NA	Water	9012B	
240-85395-5	AMW-19-(20170919)	Total/NA	Water	9012B	
240-85395-7	AMW-20-(20170920)	Total/NA	Water	9012B	
240-85395-9	DUP-02-(20170920)	Total/NA	Water	9012B	
240-85395-11	AMW-21-(20170919)	Total/NA	Water	9012B	
240-85395-13	AMW-22-(20170919)	Total/NA	Water	9012B	
240-85395-15	AMW-22B-(20170919)	Total/NA	Water	9012B	
MB 490-463472/1-A	Method Blank	Total/NA	Water	9012B	
LCS 490-463472/2-A	Lab Control Sample	Total/NA	Water	9012B	
240-85395-15 MS	AMW-22B-(20170919)	Total/NA	Water	9012B	
240-85395-15 MSD	AMW-22B-(20170919)	Total/NA	Water	9012B	
240-85395-13 DU	AMW-22-(20170919)	Total/NA	Water	9012B	

Prep Batch: 463663

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-85395-17	AMW-23-(20170920)	Total/NA	Water	9012B	
240-85395-19	AMW-23B-(20170920)	Total/NA	Water	9012B	
240-85395-21	AMW-24-(20170920)	Total/NA	Water	9012B	
240-85395-23	AMW-25-(20170920)	Total/NA	Water	9012B	
240-85395-25	AMW-26-(20170920)	Total/NA	Water	9012B	
MB 490-463663/1-A	Method Blank	Total/NA	Water	9012B	
LCS 490-463663/2-A	Lab Control Sample	Total/NA	Water	9012B	
240-85395-21 MS	AMW-24-(20170920)	Total/NA	Water	9012B	
240-85395-21 MSD	AMW-24-(20170920)	Total/NA	Water	9012B	
240-85431-F-6-B DU	Duplicate	Total/NA	Water	9012B	

Analysis Batch: 463960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-85395-1	AMW-07-(20170919)	Total/NA	Water	9012B	463472
240-85395-5	AMW-19-(20170919)	Total/NA	Water	9012B	463472
240-85395-7	AMW-20-(20170920)	Total/NA	Water	9012B	463472

TestAmerica Canton

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

General Chemistry (Continued)

Analysis Batch: 463960 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-85395-9	DUP-02-(20170920)	Total/NA	Water	9012B	463472
240-85395-11	AMW-21-(20170919)	Total/NA	Water	9012B	463472
240-85395-13	AMW-22-(20170919)	Total/NA	Water	9012B	463472
240-85395-15	AMW-22B-(20170919)	Total/NA	Water	9012B	463472
240-85395-17	AMW-23-(20170920)	Total/NA	Water	9012B	463663
240-85395-19	AMW-23B-(20170920)	Total/NA	Water	9012B	463663
240-85395-21	AMW-24-(20170920)	Total/NA	Water	9012B	463663
240-85395-23	AMW-25-(20170920)	Total/NA	Water	9012B	463663
240-85395-25	AMW-26-(20170920)	Total/NA	Water	9012B	463663
MB 490-463472/1-A	Method Blank	Total/NA	Water	9012B	463472
MB 490-463663/1-A	Method Blank	Total/NA	Water	9012B	463663
LCS 490-463472/2-A	Lab Control Sample	Total/NA	Water	9012B	463472
LCS 490-463663/2-A	Lab Control Sample	Total/NA	Water	9012B	463663
240-85395-15 MS	AMW-22B-(20170919)	Total/NA	Water	9012B	463472
240-85395-15 MSD	AMW-22B-(20170919)	Total/NA	Water	9012B	463472
240-85395-21 MS	AMW-24-(20170920)	Total/NA	Water	9012B	463663
240-85395-21 MSD	AMW-24-(20170920)	Total/NA	Water	9012B	463663
240-85395-13 DU	AMW-22-(20170919)	Total/NA	Water	9012B	463472
240-85431-F-6-B DU	Duplicate	Total/NA	Water	9012B	463663

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-07-(20170919)

Date Collected: 09/19/17 09:25

Date Received: 09/22/17 09:00

Lab Sample ID: 240-85395-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	297061	10/01/17 21:12	LRW	TAL CAN
Total/NA	Prep	3510C			296281	09/26/17 08:36	BMB	TAL CAN
Total/NA	Analysis	8270C		1	296829	09/29/17 18:07	JMG	TAL CAN
Total/NA	Analysis	WI-GRO		1	297098	10/02/17 22:30	RTR	TAL CAN
Total/NA	Prep	3520C			296387	09/26/17 14:40	CS	TAL CAN
Total/NA	Analysis	8082		1	296589	09/28/17 16:52	LSH	TAL CAN
Total/NA	Prep	3510C			296388	09/26/17 14:46	CS	TAL CAN
Total/NA	Analysis	WI-DRO		1	296547	09/27/17 18:18	DEB	TAL CAN
Dissolved	Prep	3005A			296107	09/25/17 14:00	AJC	TAL CAN
Dissolved	Analysis	6010B		1	296444	09/26/17 20:14	AS1	TAL CAN
Dissolved	Prep	3005A			296107	09/25/17 14:00	AJC	TAL CAN
Dissolved	Analysis	6020A		1	296446	09/26/17 15:15	DSH	TAL CAN
Dissolved	Prep	7470A			296116	09/25/17 14:00	AJC	TAL CAN
Dissolved	Analysis	7470A		1	296383	09/26/17 11:44	DTN	TAL CAN
Total/NA	Prep	9012B			463472	09/27/17 13:01	LDT	TAL NSH
Total/NA	Analysis	9012B		1	463960	09/28/17 16:25	SDL	TAL NSH

Client Sample ID: TRIP BLANK1

Date Collected: 09/19/17 00:00

Date Received: 09/22/17 09:00

Lab Sample ID: 240-85395-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	297061	10/01/17 21:34	LRW	TAL CAN

Client Sample ID: AMW-19-(20170919)

Date Collected: 09/19/17 16:05

Date Received: 09/22/17 09:00

Lab Sample ID: 240-85395-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	297061	10/01/17 21:56	LRW	TAL CAN
Total/NA	Prep	3510C			296281	09/26/17 08:36	BMB	TAL CAN
Total/NA	Analysis	8270C		1	296829	09/29/17 16:06	JMG	TAL CAN
Total/NA	Analysis	WI-GRO		1	297098	10/02/17 23:10	RTR	TAL CAN
Total/NA	Prep	3520C			296387	09/26/17 14:40	CS	TAL CAN
Total/NA	Analysis	8082		1	296589	09/28/17 17:11	LSH	TAL CAN
Total/NA	Prep	3510C			296388	09/26/17 14:46	CS	TAL CAN
Total/NA	Analysis	WI-DRO		1	296547	09/27/17 18:46	DEB	TAL CAN
Dissolved	Prep	3005A			296107	09/25/17 14:00	AJC	TAL CAN
Dissolved	Analysis	6010B		1	296444	09/26/17 20:18	AS1	TAL CAN
Dissolved	Prep	3005A			296107	09/25/17 14:00	AJC	TAL CAN
Dissolved	Analysis	6020A		1	296446	09/26/17 15:19	DSH	TAL CAN
Dissolved	Prep	7470A			296116	09/25/17 14:00	AJC	TAL CAN
Dissolved	Analysis	7470A		1	296383	09/26/17 11:46	DTN	TAL CAN

TestAmerica Canton

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9012B			463472	09/27/17 13:01	LDT	TAL NSH
Total/NA	Analysis	9012B		1	463960	09/28/17 16:26	SDL	TAL NSH

Client Sample ID: TRIP BLANK3

Lab Sample ID: 240-85395-6

Date Collected: 09/19/17 00:00

Matrix: Water

Date Received: 09/22/17 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	297061	10/01/17 23:22	LRW	TAL CAN

Client Sample ID: AMW-20-(20170920)

Lab Sample ID: 240-85395-7

Date Collected: 09/20/17 09:33

Matrix: Water

Date Received: 09/22/17 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	297061	10/01/17 23:44	LRW	TAL CAN
Total/NA	Prep	3510C			296485	09/27/17 09:28	BMB	TAL CAN
Total/NA	Analysis	8270C		1	296829	09/29/17 13:40	JMG	TAL CAN
Total/NA	Analysis	WI-GRO		1	297098	10/02/17 23:50	RTR	TAL CAN
Total/NA	Prep	3520C			296554	09/27/17 13:47	CS	TAL CAN
Total/NA	Analysis	8082		1	296783	09/29/17 10:46	CSC	TAL CAN
Total/NA	Prep	3510C			296388	09/26/17 14:46	CS	TAL CAN
Total/NA	Analysis	WI-DRO		1	296547	09/27/17 19:13	DEB	TAL CAN
Dissolved	Prep	3005A			296107	09/25/17 14:00	AJC	TAL CAN
Dissolved	Analysis	6010B		1	296444	09/26/17 20:23	AS1	TAL CAN
Dissolved	Prep	3005A			296107	09/25/17 14:00	AJC	TAL CAN
Dissolved	Analysis	6020A		1	296446	09/26/17 15:23	DSH	TAL CAN
Dissolved	Prep	7470A			296116	09/25/17 14:00	AJC	TAL CAN
Dissolved	Analysis	7470A		1	296383	09/26/17 11:48	DTN	TAL CAN
Total/NA	Prep	9012B			463472	09/27/17 13:01	LDT	TAL NSH
Total/NA	Analysis	9012B		1	463960	09/28/17 16:28	SDL	TAL NSH

Client Sample ID: TRIP BLANK4

Lab Sample ID: 240-85395-8

Date Collected: 09/20/17 00:00

Matrix: Water

Date Received: 09/22/17 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	297061	10/02/17 00:06	LRW	TAL CAN

Client Sample ID: DUP-02-(20170920)

Lab Sample ID: 240-85395-9

Date Collected: 09/20/17 00:00

Matrix: Water

Date Received: 09/22/17 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	297061	10/02/17 00:28	LRW	TAL CAN
Total/NA	Prep	3510C			296485	09/27/17 09:28	BMB	TAL CAN
Total/NA	Analysis	8270C		1	296829	09/29/17 14:04	JMG	TAL CAN

TestAmerica Canton

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	WI-GRO		1	297098	10/03/17 00:30	RTR	TAL CAN
Total/NA	Prep	3520C			296554	09/27/17 13:47	CS	TAL CAN
Total/NA	Analysis	8082		1	296783	09/29/17 11:07	CSC	TAL CAN
Total/NA	Prep	3510C			296388	09/26/17 14:46	CS	TAL CAN
Total/NA	Analysis	WI-DRO		1	296547	09/27/17 19:41	DEB	TAL CAN
Dissolved	Prep	3005A			296107	09/25/17 14:00	AJC	TAL CAN
Dissolved	Analysis	6010B		1	296444	09/26/17 20:27	AS1	TAL CAN
Dissolved	Prep	3005A			296107	09/25/17 14:00	AJC	TAL CAN
Dissolved	Analysis	6020A		1	296446	09/26/17 15:28	DSH	TAL CAN
Dissolved	Prep	7470A			296116	09/25/17 14:00	AJC	TAL CAN
Dissolved	Analysis	7470A		1	296383	09/26/17 11:50	DTN	TAL CAN
Total/NA	Prep	9012B			463472	09/27/17 13:01	LDT	TAL NSH
Total/NA	Analysis	9012B		1	463960	09/28/17 16:30	SDL	TAL NSH

Client Sample ID: TRIP BLANK5

Lab Sample ID: 240-85395-10

Date Collected: 09/20/17 00:00

Matrix: Water

Date Received: 09/22/17 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	297061	10/02/17 00:50	LRW	TAL CAN

Client Sample ID: AMW-21-(20170919)

Lab Sample ID: 240-85395-11

Date Collected: 09/19/17 10:45

Matrix: Water

Date Received: 09/22/17 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	297061	10/02/17 01:13	LRW	TAL CAN
Total/NA	Prep	3510C			296281	09/26/17 08:36	BMB	TAL CAN
Total/NA	Analysis	8270C		1	296829	09/29/17 18:31	JMG	TAL CAN
Total/NA	Analysis	WI-GRO		1	297098	10/03/17 01:11	RTR	TAL CAN
Total/NA	Prep	3520C			296387	09/26/17 14:40	CS	TAL CAN
Total/NA	Analysis	8082		1	296982	09/30/17 20:04	LSH	TAL CAN
Total/NA	Prep	3510C			296388	09/26/17 14:46	CS	TAL CAN
Total/NA	Analysis	WI-DRO		1	296547	09/27/17 20:08	DEB	TAL CAN
Dissolved	Prep	3005A			296107	09/25/17 14:00	AJC	TAL CAN
Dissolved	Analysis	6010B		1	296444	09/26/17 20:31	AS1	TAL CAN
Dissolved	Prep	3005A			296107	09/25/17 14:00	AJC	TAL CAN
Dissolved	Analysis	6020A		1	296446	09/26/17 15:32	DSH	TAL CAN
Dissolved	Prep	7470A			296116	09/25/17 14:00	AJC	TAL CAN
Dissolved	Analysis	7470A		1	296383	09/26/17 11:52	DTN	TAL CAN
Total/NA	Prep	9012B			463472	09/27/17 13:01	LDT	TAL NSH
Total/NA	Analysis	9012B		1	463960	09/28/17 16:32	SDL	TAL NSH

TestAmerica Canton

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: TRIP BLANK6

Lab Sample ID: 240-85395-12

Date Collected: 09/19/17 00:00

Matrix: Water

Date Received: 09/22/17 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	297056	10/01/17 21:00	LRW	TAL CAN

Client Sample ID: AMW-22-(20170919)

Lab Sample ID: 240-85395-13

Date Collected: 09/19/17 12:00

Matrix: Water

Date Received: 09/22/17 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	297056	10/01/17 21:23	LRW	TAL CAN
Total/NA	Prep	3510C			296281	09/26/17 08:36	BMB	TAL CAN
Total/NA	Analysis	8270C		1	296829	09/29/17 16:30	JMG	TAL CAN
Total/NA	Analysis	WI-GRO		1	297098	10/03/17 01:51	RTR	TAL CAN
Total/NA	Prep	3520C			296387	09/26/17 14:40	CS	TAL CAN
Total/NA	Analysis	8082		1	296589	09/28/17 17:49	LSH	TAL CAN
Total/NA	Prep	3510C			296388	09/26/17 14:46	CS	TAL CAN
Total/NA	Analysis	WI-DRO		1	296547	09/27/17 20:35	DEB	TAL CAN
Dissolved	Prep	3005A			296107	09/25/17 14:00	AJC	TAL CAN
Dissolved	Analysis	6010B		1	296444	09/26/17 20:44	AS1	TAL CAN
Dissolved	Prep	3005A			296107	09/25/17 14:00	AJC	TAL CAN
Dissolved	Analysis	6020A		1	296446	09/26/17 15:46	DSH	TAL CAN
Dissolved	Prep	7470A			296116	09/25/17 14:00	AJC	TAL CAN
Dissolved	Analysis	7470A		1	296383	09/26/17 11:53	DTN	TAL CAN
Total/NA	Prep	9012B			463472	09/27/17 13:01	LDT	TAL NSH
Total/NA	Analysis	9012B		1	463960	09/28/17 16:34	SDL	TAL NSH

Client Sample ID: TRIP BLANK7

Lab Sample ID: 240-85395-14

Date Collected: 09/19/17 00:00

Matrix: Water

Date Received: 09/22/17 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	297056	10/01/17 21:46	LRW	TAL CAN

Client Sample ID: AMW-22B-(20170919)

Lab Sample ID: 240-85395-15

Date Collected: 09/19/17 13:00

Matrix: Water

Date Received: 09/22/17 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	297056	10/01/17 22:09	LRW	TAL CAN
Total/NA	Prep	3510C			296281	09/26/17 08:36	BMB	TAL CAN
Total/NA	Analysis	8270C		1	296632	09/28/17 19:40	JMG	TAL CAN
Total/NA	Analysis	WI-GRO		1	297098	10/03/17 02:31	RTR	TAL CAN
Total/NA	Prep	3520C			296387	09/26/17 14:40	CS	TAL CAN
Total/NA	Analysis	8082		1	296589	09/28/17 18:08	LSH	TAL CAN

TestAmerica Canton

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-22B-(20170919)

Lab Sample ID: 240-85395-15

Date Collected: 09/19/17 13:00

Matrix: Water

Date Received: 09/22/17 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			296388	09/26/17 14:46	CS	TAL CAN
Total/NA	Analysis	WI-DRO		1	296547	09/27/17 21:03	DEB	TAL CAN
Dissolved	Prep	3005A			296107	09/25/17 14:00	AJC	TAL CAN
Dissolved	Analysis	6010B		1	296444	09/26/17 13:27	AS1	TAL CAN
Dissolved	Prep	3005A			296107	09/25/17 14:00	AJC	TAL CAN
Dissolved	Analysis	6020A		1	296446	09/26/17 14:08	DSH	TAL CAN
Dissolved	Prep	7470A			296116	09/25/17 14:00	AJC	TAL CAN
Dissolved	Analysis	7470A		1	296383	09/26/17 11:19	DTN	TAL CAN
Total/NA	Prep	9012B			463472	09/27/17 13:01	LDT	TAL NSH
Total/NA	Analysis	9012B		1	463960	09/28/17 16:38	SDL	TAL NSH

Client Sample ID: TRIP BLANK8

Lab Sample ID: 240-85395-16

Date Collected: 09/19/17 00:00

Matrix: Water

Date Received: 09/22/17 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	297061	10/02/17 01:35	LRW	TAL CAN

Client Sample ID: AMW-23-(20170920)

Lab Sample ID: 240-85395-17

Date Collected: 09/20/17 13:00

Matrix: Water

Date Received: 09/22/17 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	297179	10/02/17 16:38	LRW	TAL CAN
Total/NA	Prep	3510C			296485	09/27/17 09:28	BMB	TAL CAN
Total/NA	Analysis	8270C		1	296829	09/29/17 14:28	JMG	TAL CAN
Total/NA	Analysis	WI-GRO		1	297098	10/03/17 03:10	RTR	TAL CAN
Total/NA	Prep	3520C			296554	09/27/17 13:47	CS	TAL CAN
Total/NA	Analysis	8082		1	296783	09/29/17 11:26	CSC	TAL CAN
Total/NA	Prep	3510C			296579	09/27/17 17:14	CS	TAL CAN
Total/NA	Analysis	WI-DRO		1	296717	09/28/17 18:43	DEB	TAL CAN
Dissolved	Prep	3005A			296107	09/25/17 14:00	AJC	TAL CAN
Dissolved	Analysis	6010B		1	296444	09/26/17 20:48	AS1	TAL CAN
Dissolved	Prep	3005A			296107	09/25/17 14:00	AJC	TAL CAN
Dissolved	Analysis	6020A		1	296446	09/26/17 15:50	DSH	TAL CAN
Dissolved	Prep	7470A			296116	09/25/17 14:00	AJC	TAL CAN
Dissolved	Analysis	7470A		1	296383	09/26/17 11:55	DTN	TAL CAN
Total/NA	Prep	9012B			463663	09/28/17 08:48	LDT	TAL NSH
Total/NA	Analysis	9012B		1	463960	09/28/17 16:53	SDL	TAL NSH

TestAmerica Canton

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: TRIP BLANK9

Lab Sample ID: 240-85395-18

Date Collected: 09/20/17 00:00

Matrix: Water

Date Received: 09/22/17 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	297179	10/02/17 17:00	LRW	TAL CAN

Client Sample ID: AMW-23B-(20170920)

Lab Sample ID: 240-85395-19

Date Collected: 09/20/17 12:00

Matrix: Water

Date Received: 09/22/17 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	297179	10/02/17 17:22	LRW	TAL CAN
Total/NA	Prep	3510C			296485	09/27/17 09:28	BMB	TAL CAN
Total/NA	Analysis	8270C		1	296829	09/29/17 14:53	JMG	TAL CAN
Total/NA	Analysis	WI-GRO		1	297098	10/03/17 04:27	RTR	TAL CAN
Total/NA	Prep	3520C			296554	09/27/17 13:47	CS	TAL CAN
Total/NA	Analysis	8082		1	296783	09/29/17 11:45	CSC	TAL CAN
Total/NA	Prep	3510C			296579	09/27/17 17:14	CS	TAL CAN
Total/NA	Analysis	WI-DRO		1	296717	09/28/17 19:11	DEB	TAL CAN
Dissolved	Prep	3005A			296107	09/25/17 14:00	AJC	TAL CAN
Dissolved	Analysis	6010B		1	296444	09/26/17 20:53	AS1	TAL CAN
Dissolved	Prep	3005A			296107	09/25/17 14:00	AJC	TAL CAN
Dissolved	Analysis	6020A		1	296446	09/26/17 15:55	DSH	TAL CAN
Dissolved	Prep	7470A			296116	09/25/17 14:00	AJC	TAL CAN
Dissolved	Analysis	7470A		1	296383	09/26/17 11:57	DTN	TAL CAN
Total/NA	Prep	9012B			463663	09/28/17 08:48	LDT	TAL NSH
Total/NA	Analysis	9012B		1	463960	09/28/17 16:54	SDL	TAL NSH

Client Sample ID: TRIP BLANK10

Lab Sample ID: 240-85395-20

Date Collected: 09/20/17 00:00

Matrix: Water

Date Received: 09/22/17 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	297179	10/02/17 17:44	LRW	TAL CAN

Client Sample ID: AMW-24-(20170920)

Lab Sample ID: 240-85395-21

Date Collected: 09/20/17 14:40

Matrix: Water

Date Received: 09/22/17 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	297179	10/02/17 18:06	LRW	TAL CAN
Total/NA	Prep	3510C			296485	09/27/17 09:28	BMB	TAL CAN
Total/NA	Analysis	8270C		1	296829	09/29/17 15:17	JMG	TAL CAN
Total/NA	Analysis	WI-GRO		1	297098	10/03/17 05:06	RTR	TAL CAN
Total/NA	Prep	3520C			296554	09/27/17 13:47	CS	TAL CAN
Total/NA	Analysis	8082		1	296783	09/29/17 12:05	CSC	TAL CAN

TestAmerica Canton

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: AMW-24-(20170920)

Lab Sample ID: 240-85395-21

Date Collected: 09/20/17 14:40

Matrix: Water

Date Received: 09/22/17 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			296579	09/27/17 17:14	CS	TAL CAN
Total/NA	Analysis	WI-DRO		1	296717	09/28/17 19:38	DEB	TAL CAN
Dissolved	Prep	3005A			296107	09/25/17 14:00	AJC	TAL CAN
Dissolved	Analysis	6010B		1	296444	09/26/17 20:57	AS1	TAL CAN
Dissolved	Prep	3005A			296107	09/25/17 14:00	AJC	TAL CAN
Dissolved	Analysis	6020A		1	296446	09/26/17 15:59	DSH	TAL CAN
Dissolved	Prep	7470A			296116	09/25/17 14:00	AJC	TAL CAN
Dissolved	Analysis	7470A		1	296383	09/26/17 12:04	DTN	TAL CAN
Total/NA	Prep	9012B			463663	09/28/17 08:48	LDT	TAL NSH
Total/NA	Analysis	9012B		1	463960	09/28/17 16:56	SDL	TAL NSH

Client Sample ID: TRIP BLANK11

Lab Sample ID: 240-85395-22

Date Collected: 09/20/17 00:00

Matrix: Water

Date Received: 09/22/17 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	297179	10/02/17 18:28	LRW	TAL CAN

Client Sample ID: AMW-25-(20170920)

Lab Sample ID: 240-85395-23

Date Collected: 09/20/17 15:48

Matrix: Water

Date Received: 09/22/17 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	297179	10/02/17 18:50	LRW	TAL CAN
Total/NA	Analysis	8260B		20	297346	10/03/17 15:45	LRW	TAL CAN
Total/NA	Prep	3510C			296485	09/27/17 09:28	BMB	TAL CAN
Total/NA	Analysis	8270C		1	296829	09/29/17 15:41	JMG	TAL CAN
Total/NA	Analysis	WI-GRO		10	297098	10/03/17 05:45	RTR	TAL CAN
Total/NA	Prep	3520C			296554	09/27/17 13:47	CS	TAL CAN
Total/NA	Analysis	8082		1	296783	09/29/17 12:24	CSC	TAL CAN
Total/NA	Prep	3510C			296579	09/27/17 17:14	CS	TAL CAN
Total/NA	Analysis	WI-DRO		10	296923	09/29/17 16:35	DEB	TAL CAN
Dissolved	Prep	3005A			296107	09/25/17 14:00	AJC	TAL CAN
Dissolved	Analysis	6010B		1	296444	09/26/17 21:01	AS1	TAL CAN
Dissolved	Prep	3005A			296107	09/25/17 14:00	AJC	TAL CAN
Dissolved	Analysis	6020A		1	296446	09/26/17 16:04	DSH	TAL CAN
Dissolved	Prep	7470A			296116	09/25/17 14:00	AJC	TAL CAN
Dissolved	Analysis	7470A		1	296383	09/26/17 12:05	DTN	TAL CAN
Total/NA	Prep	9012B			463663	09/28/17 08:48	LDT	TAL NSH
Total/NA	Analysis	9012B		1	463960	09/28/17 17:02	SDL	TAL NSH

TestAmerica Canton

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Client Sample ID: TRIP BLANK12

Lab Sample ID: 240-85395-24

Date Collected: 09/20/17 00:00

Matrix: Water

Date Received: 09/22/17 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	297179	10/02/17 19:12	LRW	TAL CAN

Client Sample ID: AMW-26-(20170920)

Lab Sample ID: 240-85395-25

Date Collected: 09/20/17 17:15

Matrix: Water

Date Received: 09/23/17 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	297179	10/02/17 19:34	LRW	TAL CAN
Total/NA	Analysis	8260B		1	297346	10/03/17 16:09	LRW	TAL CAN
Total/NA	Prep	3510C			296485	09/27/17 09:28	BMB	TAL CAN
Total/NA	Analysis	8270C		1	296829	09/29/17 18:55	JMG	TAL CAN
Total/NA	Analysis	WI-GRO		1	297098	10/03/17 06:25	RTR	TAL CAN
Total/NA	Prep	3520C			296554	09/27/17 13:47	CS	TAL CAN
Total/NA	Analysis	8082		1	296783	09/29/17 12:44	CSC	TAL CAN
Total/NA	Prep	3510C			296579	09/27/17 17:14	CS	TAL CAN
Total/NA	Analysis	WI-DRO		1	296717	09/28/17 20:32	DEB	TAL CAN
Dissolved	Prep	3005A			296107	09/25/17 14:00	AJC	TAL CAN
Dissolved	Analysis	6010B		1	296444	09/26/17 21:05	AS1	TAL CAN
Dissolved	Prep	3005A			296107	09/25/17 14:00	AJC	TAL CAN
Dissolved	Analysis	6020A		1	296446	09/26/17 16:08	DSH	TAL CAN
Dissolved	Prep	7470A			296116	09/25/17 14:00	AJC	TAL CAN
Dissolved	Analysis	7470A		1	296383	09/26/17 12:07	DTN	TAL CAN
Total/NA	Prep	9012B			463663	09/28/17 08:48	LDT	TAL NSH
Total/NA	Analysis	9012B		1	463960	09/28/17 17:04	SDL	TAL NSH

Client Sample ID: TRIP BLANK13

Lab Sample ID: 240-85395-26

Date Collected: 09/20/17 00:00

Matrix: Water

Date Received: 09/23/17 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	297179	10/02/17 19:56	LRW	TAL CAN

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Laboratory: TestAmerica Canton

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	2927	02-23-18
Connecticut	State Program	1	PH-0590	12-31-17 *
Florida	NELAP	4	E87225	06-30-18
Illinois	NELAP	5	200004	07-31-18
Kansas	NELAP	7	E-10336	01-31-18 *
Kentucky (UST)	State Program	4	58	02-23-18
Kentucky (WW)	State Program	4	98016	12-31-17 *
Minnesota	NELAP	5	039-999-348	12-31-17 *
Minnesota (Petrofund)	State Program	1	3506	07-31-18
Nevada	State Program	9	OH-000482008A	07-31-18
New Jersey	NELAP	2	OH001	06-30-18
New York	NELAP	2	10975	03-31-18
Ohio VAP	State Program	5	CL0024	09-06-19
Oregon	NELAP	10	4062	02-23-18
Pennsylvania	NELAP	3	68-00340	08-31-18
Texas	NELAP	6	T104704517-17-9	08-31-18
USDA	Federal		P330-16-00404	12-28-19
Virginia	NELAP	3	460175	09-14-18
Washington	State Program	10	C971	01-12-18 *
West Virginia DEP	State Program	3	210	12-31-17 *

Laboratory: TestAmerica Nashville

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
A2LA	A2LA		NA: NELAP & A2LA	12-31-17
A2LA	ISO/IEC 17025		0453.07	12-31-17
Alaska (UST)	State Program	10	UST-087	01-01-18
Arizona	State Program	9	AZ0473	05-05-18
Arkansas DEQ	State Program	6	88-0737	04-25-18
California	State Program	9	2938	10-31-18
Connecticut	State Program	1	PH-0220	12-31-17
Florida	NELAP	4	E87358	06-30-18
Georgia	State Program	4	E87358(FL)/453.07(A2L A)	12-31-17
Illinois	NELAP	5	200010	12-09-17
Iowa	State Program	7	131	04-01-18
Kansas	NELAP	7	E-10229	10-31-17
Kentucky (UST)	State Program	4	19	06-30-18
Kentucky (WW)	State Program	4	90038	12-31-17
Louisiana	NELAP	6	30613	06-30-18
Maine	State Program	1	TN00032	11-03-17
Maryland	State Program	3	316	03-31-18
Massachusetts	State Program	1	M-TN032	06-30-18
Minnesota	NELAP	5	047-999-345	12-31-17
Mississippi	State Program	4	N/A	06-30-18
Montana (UST)	State Program	8	NA	02-24-20
Nevada	State Program	9	TN00032	07-31-18
New Hampshire	NELAP	1	2963	10-09-17
New Jersey	NELAP	2	TN965	06-30-18
New York	NELAP	2	11342	03-31-18

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

TestAmerica Canton

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ford TCAP - E200572

TestAmerica Job ID: 240-85395-1

Laboratory: TestAmerica Nashville (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
North Carolina (WW/SW)	State Program	4	387	12-31-17
North Dakota	State Program	8	R-146	06-30-18
Ohio VAP	State Program	5	CL0033	07-06-19
Oklahoma	State Program	6	9412	08-31-18
Oregon	NELAP	10	TN200001	04-27-18
Pennsylvania	NELAP	3	68-00585	06-30-18
Rhode Island	State Program	1	LAO00268	12-30-17
South Carolina	State Program	4	84009 (001)	02-28-18
South Carolina (Do Not Use - DW)	State Program	4	84009 (002)	12-16-17
Tennessee	State Program	4	2008	02-23-20
Texas	NELAP	6	T104704077	08-31-18
USDA	Federal		P330-13-00306	12-01-19
Utah	NELAP	8	TN00032	07-31-18
Virginia	NELAP	3	460152	06-14-18
Washington	State Program	10	C789	07-19-18
West Virginia DEP	State Program	3	219	02-28-18
Wisconsin	State Program	5	998020430	08-31-18
Wyoming (UST)	A2LA	8	453.07	12-31-17

TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Phone (330) 497-9396 Fax (330) 497-0772

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information Client Contact: Jim Ziska Company: ARCADIS U.S., Inc. Address: 430 First Avenue, North Suite 720 City: Minneapolis State, Zip: MN, 55304 Phone: 612-339-9434 Email: James.Ziska@arcadis.com Project Name: Ford TCAP - E200572 Site: St Paul, MN		Lab PM: Pohl, Denise E-Mail: denise.pohl@testamericainc.com Phone: 218-260-7854 Date Requested: Standard/Two Weeks TAT Requested (days): PO #: MN000631.0001 WO #: Cadena # E200572 Project #: 24006638 SSOW#:		Carrier Tracking Note(s): COC No: 240-45567-19862.2 Page: 2 of 2 Job #:	
Sample Identification Sample ID: AMW-07-(20170919) AMW-19-(20170919) Dup-01-(20170919) AMW-20-(20170920) Dup-02-(20170920) AMW-21-(20170919) AMW-22-(20170919) AMW-22B-(20170919) AMW-23-(20170920) AMW-23B-(20170920) AMW-24-(20170920)		Sample Date 9/19/17 9/19/17 9/19/17 9/20/17 9/20/17 9/19/17 9/19/17 9/19/17 9/20/17 9/20/17 9/20/17		Sample Time 0725 1605 - 0933 - 1045 1200 1300 1300 1200 1440	
Sample Type (C=Comp, G=Grab) G G G G G G G G G G		Matrix (W=Water, S=Soil, O=Other) Water Water Water Water Water Water Water Water Water Water		Preservation Code A A A A A A A A A A A	
Field Filtered Sample (Yes or No) X X X X X X X X X X X		Perform MS/MSD (Yes or No) X X X X X X X X X X X		Analysis Requested 8260B - Trip Blank - 8260B, 465 VOCs 8260B, WI, GRO 8082, 8270C WI, DRO - WI DRO 6010B, 6020A, 7470A 9012B - Total Cyanide THE Metals, Mercury THE Metals, Thallium	
Special Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant Deliverable Requested: I, II, III, IV, Other (specify)		Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/Note: MS/MSD	
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months		Special Instructions/OC Requirements: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months		Method of Shipment: Date/Time: 9-21-17 15:30 Date/Time: 9-22-17 9:00 Date/Time:	
Relinquished by: Adam Thompson Relinquished by: Relinquished by:		Relinquished by: Adam Thompson Relinquished by: Relinquished by:		Relinquished by: Adam Thompson Relinquished by: Relinquished by:	
Custody Seal No.: Yes ☐ No ☐		Custody Seal No.: Yes ☐ No ☐		Custody Seal No.: Yes ☐ No ☐	

10/5/2017

TestAmerica Canton Sample Receipt Form/Narrative

 Login # : 85395
Canton Facility

 Client Arcadis

Site Name _____

 Cooler unpacked by: [Signature]

 Cooler Received on 9-22-17

 Opened on 9-22-17

 FedEx: 1st Grd Exp UPS FAS Clipper Client Drop Off TestAmerica Courier Other _____

Receipt After-hours: Drop-off Date/Time _____

Storage Location _____

 TestAmerica Cooler # _____ Foam Box _____ Client Cooler _____ Box Other _____

 Packing material used: Bubble Wrap Foam Plastic Bag None Other _____

 COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☒ See Multiple Cooler Form
- IR GUN# IR-8 (CF +0 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C
- IR GUN #36 (CF +0.3 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C
- IR GUN # 627 (CF -1.3 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 13 Yes No
- Were the seals on the outside of the cooler(s) signed & dated? Yes No NA
- Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes No NA
- Were tamper/custody seals intact and uncompromised? Yes No NA

3. Shippers' packing slip attached to the cooler(s)? Yes No
4. Did custody papers accompany the sample(s)? Yes No
5. Were the custody papers relinquished & signed in the appropriate place? Yes No
6. Was/were the person(s) who collected the samples clearly identified on the COC? Yes No
7. Did all bottles arrive in good condition (Unbroken)? Yes No
8. Could all bottle labels be reconciled with the COC? Yes No
9. Were correct bottle(s) used for the test(s) indicated? Yes No
10. Sufficient quantity received to perform indicated analyses? Yes No
11. Are these work share samples? Yes No

Tests that are not checked for pH by Receiving:

 VOAs
Oil and Grease
TOC

If yes, Questions 11-15 have been checked at the originating laboratory.

11. Were all preserved sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# HC697954
12. Were VOAs on the COC? Yes No
13. Were air bubbles >6 mm in any VOA vials? Yes No NA Larger than this.
14. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____ Yes No
15. Was a LL Hg or Me Hg trip blank present? Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____

Concerning _____

16. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by: _____

Missing 3 coolers, Each cooler was sample specific

Missing sample AMW-19 @ 1605 and also 2/3 of the

ms/msd AMW-22B.

Missing sample AMW-26

17. SAMPLE CONDITION

- Sample(s) _____ were received after the recommended holding time had expired.
- Sample(s) 1xL (HCL-DRG) DUPOZ + AMW-24 were received in a broken container.
- Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

18. SAMPLE PRESERVATION

- Sample(s) _____ were further preserved in the laboratory.
- Time preserved: _____ Preservative(s) added/Lot number(s): _____

Login #: 85295

X:\X-Drive Document Control\SOPs\Work Instructions\Word Version Work Instructions\WI-NC-099H-071615 Cooler Receipt Form_page 2 - Multiple Coolers.doc rls

Temperature readings: _____

<u>Client Sample ID</u>	<u>Lab ID</u>	<u>Container Type</u>	<u>Container</u> <u>pH</u>	<u>Preservative</u> <u>Added (mls)</u>	<u>Lot #</u>
AMW-07-(20170919)	240-85395-G-1	Plastic 250ml - with Sodium Hydrox	<12	_____	_____
AMW-07-(20170919)	240-85395-H-1	Plastic 500ml - with Nitric Acid	>2	_____	_____
AMW-07-(20170919)	240-85395-M-1	Amber Glass 1 liter - Hydrochloric	<2	_____	_____
AMW-07-(20170919)	240-85395-N-1	Amber Glass 1 liter - Hydrochloric	<2	_____	_____
AMW-19-(20170919)	240-85395-G-3	Plastic 250ml - with Sodium Hydrox	<12	_____	_____
AMW-19-(20170919)	240-85395-H-3	Plastic 500ml - with Nitric Acid	>2	_____	_____
AMW-19-(20170919)	240-85395-M-3	Amber Glass 1 liter - Hydrochloric	<2	_____	_____
AMW-19-(20170919)	240-85395-N-3	Amber Glass 1 liter - Hydrochloric	<2	_____	_____
DUP-01-(20170919)	240-85395-G-5	Plastic 250ml - with Sodium Hydrox	<12	_____	_____
DUP-01-(20170919)	240-85395-H-5	Plastic 500ml - with Nitric Acid	>2	_____	_____
DUP-01-(20170919)	240-85395-M-5	Amber Glass 1 liter - Hydrochloric	<2	_____	_____
DUP-01-(20170919)	240-85395-N-5	Amber Glass 1 liter - Hydrochloric	<2	_____	_____
AMW-20-(20170920)	240-85395-G-7	Plastic 250ml - with Sodium Hydrox	<12	_____	_____
AMW-20-(20170920)	240-85395-H-7	Plastic 500ml - with Nitric Acid	>2	_____	_____
AMW-20-(20170920)	240-85395-M-7	Amber Glass 1 liter - Hydrochloric	<2	_____	_____
AMW-20-(20170920)	240-85395-N-7	Amber Glass 1 liter - Hydrochloric	<2	_____	_____
DUP-02-(20170920)	240-85395-G-9	Plastic 250ml - with Sodium Hydrox	<12	_____	_____
DUP-02-(20170920)	240-85395-H-9	Plastic 500ml - with Nitric Acid	>2	_____	_____
DUP-02-(20170920)	240-85395-M-9	Amber Glass 1 liter - Hydrochloric	<2	_____	_____
DUP-02-(20170920)	240-85395-N-9	Amber Glass 1 liter - Hydrochloric	<2	_____	_____
AMW-21-(20170919)	240-85395-G-11	Plastic 250ml - with Sodium Hydrox	<12	_____	_____
AMW-21-(20170919)	240-85395-H-11	Plastic 500ml - with Nitric Acid	>2	_____	_____
AMW-21-(20170919)	240-85395-M-11	Amber Glass 1 liter - Hydrochloric	<2	_____	_____
AMW-21-(20170919)	240-85395-N-11	Amber Glass 1 liter - Hydrochloric	<2	_____	_____
AMW-22-(20170919)	240-85395-G-13	Plastic 250ml - with Sodium Hydrox	<12	_____	_____
AMW-22-(20170919)	240-85395-H-13	Plastic 500ml - with Nitric Acid	>2	_____	_____
AMW-22-(20170919)	240-85395-M-13	Amber Glass 1 liter - Hydrochloric	<2	_____	_____
AMW-22-(20170919)	240-85395-N-13	Amber Glass 1 liter - Hydrochloric	<2	_____	_____
AMW-22B-(20170919)	240-85395-G-15	Plastic 250ml - with Sodium Hydrox	<12	_____	_____
AMW-22B-(20170919)	240-85395-G-15 MS	Plastic 250ml - with Sodium Hydrox	<12	_____	_____
AMW-22B-(20170919)	240-85395-G-15 MSD	Plastic 250ml - with Sodium Hydrox	<12	_____	_____
AMW-22B-(20170919)	240-85395-H-15	Plastic 500ml - with Nitric Acid	>2	_____	_____
AMW-22B-(20170919)	240-85395-H-15 MS	Plastic 500ml - with Nitric Acid	>2	_____	_____
AMW-22B-(20170919)	240-85395-H-15 MSD	Plastic 500ml - with Nitric Acid	>2	_____	_____
AMW-22B-(20170919)	240-85395-M-15	Amber Glass 1 liter - Hydrochloric	<2	_____	_____
AMW-22B-(20170919)	240-85395-M-15 MS	Amber Glass 1 liter - Hydrochloric	<2	_____	_____
AMW-22B-(20170919)	240-85395-M-15 MSI	Amber Glass 1 liter - Hydrochloric	<2	_____	_____

<u>Client Sample ID</u>	<u>Lab ID</u>	<u>Container Type</u>	<u>Container pH</u>	<u>Preservative Added (mls)</u>	<u>Lot #</u>
AMW-22B-(20170919)	240-85395-N-15	Amber Glass 1 liter - Hydrochloric	<2	_____	_____
AMW-22B-(20170919)	240-85395-N-15 MS	Amber Glass 1 liter - Hydrochloric	<2	_____	_____
AMW-22B-(20170919)	240-85395-N-15 MSD	Amber Glass 1 liter - Hydrochloric	<2	_____	_____
AMW-23-(20170920)	240-85395-G-17	Plastic 250ml - with Sodium Hydrox	<12	_____	_____
AMW-23-(20170920)	240-85395-H-17	Plastic 500ml - with Nitric Acid	>2	_____	_____
AMW-23-(20170920)	240-85395-M-17	Amber Glass 1 liter - Hydrochloric	<2	_____	_____
AMW-23-(20170920)	240-85395-N-17	Amber Glass 1 liter - Hydrochloric	<2	_____	_____
AMW-23B-(20170920)	240-85395-G-19	Plastic 250ml - with Sodium Hydrox	<12	_____	_____
AMW-23B-(20170920)	240-85395-H-19	Plastic 500ml - with Nitric Acid	>2	_____	_____
AMW-23B-(20170920)	240-85395-M-19	Amber Glass 1 liter - Hydrochloric	<2	_____	_____
AMW-23B-(20170920)	240-85395-N-19	Amber Glass 1 liter - Hydrochloric	<2	_____	_____
AMW-24-(20170920)	240-85395-G-21	Plastic 250ml - with Sodium Hydrox	<12	_____	_____
AMW-24-(20170920)	240-85395-H-21	Plastic 500ml - with Nitric Acid	>2	_____	_____
AMW-24-(20170920)	240-85395-M-21	Amber Glass 1 liter - Hydrochloric	<2	_____	_____
AMW-24-(20170920)	240-85395-N-21	Amber Glass 1 liter - Hydrochloric	<2	_____	_____
AMW-25-(20170920)	240-85395-G-23	Plastic 250ml - with Sodium Hydrox	<12	_____	_____
AMW-25-(20170920)	240-85395-H-23	Plastic 500ml - with Nitric Acid	>2	_____	_____
AMW-25-(20170920)	240-85395-M-23	Amber Glass 1 liter - Hydrochloric	<2	_____	_____
AMW-25-(20170920)	240-85395-N-23	Amber Glass 1 liter - Hydrochloric	<2	_____	_____
AMW-26-(20170920)	240-85395-G-25	Plastic 250ml - with Sodium Hydrox	<12	_____	_____
AMW-26-(20170920)	240-85395-H-25	Plastic 500ml - with Nitric Acid	>2	_____	_____
AMW-26-(20170920)	240-85395-M-25	Amber Glass 1 liter - Hydrochloric	<2	_____	_____
AMW-26-(20170920)	240-85395-N-25	Amber Glass 1 liter - Hydrochloric	<2	_____	_____

TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Phone (330) 497-9396 Fax (330) 497-0772

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information Client Contact: Jim Ziska Company: ARCADIS U.S., Inc. Address: 430 First Avenue, North Suite 720 City: Minneapolis State/Zip: MN, 55304 Phone: 612-339-9434 Email: James.Ziska@arcadis.com Project Name: Ford TCAP - E200572 Site: St Paul, MN		Sampler: Adam Thompson Lab PM: Pohl Denise Phone: 217-260-7854 E-Mail: denise.pohl@testamericainc.com		Carrier Tracking No(s): COC No: 240-45567-19862.2 Page: 2 of 2 Job #:	
Due Date Requested: TAT Requested (days): Standard/Two Weeks		Analysis Requested Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2OHS Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4.5 Z - other (specify)			
Sample Identification AMW-07-(20170919) AMW-19-(20170919) Dup-01-(20170919) AMW-20-(20170920) Dup-02-(20170920) AMW-21-(20170919) AMW-22-(20170919) AMW-22B-(20170919) AMW-23-(20170920) AMW-23B-(20170920) AMW-24-(20170920)		Sample Date 9/19/17 9/19/17 9/19/17 9/20/17 9/20/17 9/19/17 9/19/17 9/19/17 9/20/17 9/20/17 9/20/17		Sample Time 0925 1605 - 0933 - 1045 1200 1300 1300 1200 1440	
Matrix (W=water, S=solid, O=oil, A=air) Water Water Water Water Water Water Water Water Water Water		Preservation Code: G G G G G G G G G G		Field Filtered Sample (Yes or No) X X X X X X X X X X	
Perform MS/MSD (Yes or No) X X X X X X X X X X		8260B, WI, GRO 8082, 8270C WI, DRO - WI DRO 6010B, 6020A, 7470A 9012B - Total Cyanide		Total Number of Containers X X X X X X X X X X	
Special Instructions/Note: MS/MSD		Special Instructions/Note: MS/MSD			


 240-85395 Chain of Custody

Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Deliverable Requested: I, II, III, IV, Other (specify)	
Empty Kit Relinquished by:		Date:	
Relinquished by: Adam Thompson		Date/Time: 09/21/17 1530	
Relinquished by:		Date/Time:	
Relinquished by:		Date/Time:	
Custody Seals Intact: ☐ Yes ☐ No		Custody Seal No.:	

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab ☐ Archive For Months		Method of Shipment:	
Special Instructions/QC Requirements:		Date/Time: 9-21-17 15:30 Company: T. America	
Date/Time: 9/22/17 700 Company: TA		Date/Time: 9/23/17 0920 Company: TA	
Date/Time: 9/23/17 0920 Company: TA		Date/Time: 9/23/17 0920 Company: TA	

TestAmerica Canton Sample Receipt Form/Narrative Login # : 85395

Canton Facility

Client Arcadis Site Name _____ Cooler unpacked by: [Signature]

Cooler Received on 9-22-17 Opened on 9-22-17

FedEx: 1st Grd. Exp UPS FAS Clipper Client Drop Off TestAmerica Courier Other _____

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

TestAmerica Cooler # _____ Foam Box Client Cooler Box Other _____

Packing material used: Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☒ See Multiple Cooler Form

IR GUN# IR-8 (CF +0 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

IR GUN #36 (CF +0.3 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

IR GUN # 627 (CF -1.3 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 13 Yes No

-Were the seals on the outside of the cooler(s) signed & dated? Yes No NA

-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes No NA

-Were tamper/custody seals intact and uncompromised? Yes No NA

3. Shippers' packing slip attached to the cooler(s)? Yes No

4. Did custody papers accompany the sample(s)? Yes No

5. Were the custody papers relinquished & signed in the appropriate place? Yes No

6. Was/were the person(s) who collected the samples clearly identified on the COC? Yes No

7. Did all bottles arrive in good condition (Unbroken)? Yes No

8. Could all bottle labels be reconciled with the COC? Yes No

9. Were correct bottle(s) used for the test(s) indicated? Yes No

10. Sufficient quantity received to perform indicated analyses? Yes No

11. Are these work share samples? Yes No

If yes, Questions 11-15 have been checked at the originating laboratory.

11. Were all preserved sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# HC697954

12. Were VOAs on the COC? Yes No

13. Were air bubbles >6 mm in any VOA vials? Yes  Larger than this. Yes No NA

14. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____ Yes No

15. Was a LL Hg or Me Hg trip blank present? Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____

Concerning _____

Tests that are not
checked for pH by
Receiving:

VOAs
Oil and Grease
TOC

16. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES Samples processed by: _____

Missing 3 coolers, Each cooler was sample specific

Missing sample AMW-19 @ 1605 and also 2/3 of the

ms/msd AMW-22B.

Missing sample AMW-26

17. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) 1xL (HCL-DRO) DUPO2 + AMW-24 were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

18. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____

X:\X-Drive Document Control\SOPs\Work Instructions\Word Version Work Instructions\WI-NC-099H-071615 Cooler Receipt Form_page 2 - Multiple Coolers.docx

TestAmerica Canton Sample Receipt Form/Narrative

Login # : _____

Canton Facility

 Client Arcadis

 Site Name TCAP

Cooler unpacked by:

Gerry Burns

 Cooler Received on 9/23/17

 Opened on 9/23/17

 FedEx: 1st Grd Exp UPS FAS Clipper Client Drop Off TestAmerica Courier Other

Receipt After-hours: Drop-off Date/Time

Storage Location

 TestAmerica Cooler # CANTON Foam Box Client Cooler Box Other

 Packing material used: Bubble Wrap Foam Plastic Bag None Other

 COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

☐ See Multiple Cooler Form

 IR GUN# IR-8 (CF +0 °C) Observed Cooler Temp 2.4 °C Corrected Cooler Temp 2.4 °C

IR GUN #36 (CF +0.3 °C) Observed Cooler Temp. °C Corrected Cooler Temp. °C

IR GUN # 627 (CF -1.3 °C) Observed Cooler Temp. °C Corrected Cooler Temp. °C

 2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity _____ Yes No

 -Were the seals on the outside of the cooler(s) signed & dated? Yes No NA

 -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes No NA

 -Were tamper/custody seals intact and uncompromised? Yes No NA

 3. Shippers' packing slip attached to the cooler(s)? Yes No

 4. Did custody papers accompany the sample(s)? Yes No

 5. Were the custody papers relinquished & signed in the appropriate place? Yes No

 6. Was/were the person(s) who collected the samples clearly identified on the COC? Yes No

 7. Did all bottles arrive in good condition (Unbroken)? Yes No

 8. Could all bottle labels be reconciled with the COC? Yes No

 9. Were correct bottle(s) used for the test(s) indicated? Yes No

 10. Sufficient quantity received to perform indicated analyses? Yes No

 11. Are these work share samples? Yes No

If yes, Questions 11-15 have been checked at the originating laboratory.

 11. Were all preserved sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# HC697954

 12. Were VOAs on the COC? Yes No

 13. Were air bubbles >6 mm in any VOA vials? Yes No NA

Larger than this.

 14. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # B71280103 Yes No

 15. Was a LL Hg or Me Hg trip blank present? Yes No

Tests that are not checked for pH by Receiving:

 VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

16. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by:

Rec'd Amw-26-(20170920) 9/20/17 @ 1715
+ 2x40 trip blankers missing from 9/22/17
17. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

18. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____

Ref: SOP NC-SC-0005, Sample Receiving

\\acorp\corp\QA\QA_Facilities\Canton-QA\Document-Management\Work-Instruction\Word Version Work Instructions\WI-NC-099-091117 Cooler Receipt Form (3).doc.djl

Temperature readings:

Client Sample ID	Lab ID	Container Type	Container pH	Preservative Added (mls)	Lot #
AMW-07-(20170919)	240-85395-G-1	Plastic 250ml - with Sodium Hydrox	<12		
AMW-07-(20170919)	240-85395-H-1	Plastic 500ml - with Nitric Acid	>2		
AMW-07-(20170919)	240-85395-M-1	Amber Glass 1 liter - Hydrochloric	<2		
AMW-07-(20170919)	240-85395-N-1	Amber Glass 1 liter - Hydrochloric	<2		
AMW-19-(20170919)	240-85395-G-3	Plastic 250ml - with Sodium Hydrox	<12		
AMW-19-(20170919)	240-85395-H-3	Plastic 500ml - with Nitric Acid	>2		
AMW-19-(20170919)	240-85395-M-3	Amber Glass 1 liter - Hydrochloric	<2		
AMW-19-(20170919)	240-85395-N-3	Amber Glass 1 liter - Hydrochloric	<2		
DUP-01-(20170919)	240-85395-G-5	Plastic 250ml - with Sodium Hydrox	<12		
DUP-01-(20170919)	240-85395-H-5	Plastic 500ml - with Nitric Acid	>2		
DUP-01-(20170919)	240-85395-M-5	Amber Glass 1 liter - Hydrochloric	<2		
DUP-01-(20170919)	240-85395-N-5	Amber Glass 1 liter - Hydrochloric	<2		
AMW-20-(20170920)	240-85395-G-7	Plastic 250ml - with Sodium Hydrox	<12		
AMW-20-(20170920)	240-85395-H-7	Plastic 500ml - with Nitric Acid	>2		
AMW-20-(20170920)	240-85395-M-7	Amber Glass 1 liter - Hydrochloric	<2		
AMW-20-(20170920)	240-85395-N-7	Amber Glass 1 liter - Hydrochloric	<2		
DUP-02-(20170920)	240-85395-G-9	Plastic 250ml - with Sodium Hydrox	<12		
DUP-02-(20170920)	240-85395-H-9	Plastic 500ml - with Nitric Acid	>2		
DUP-02-(20170920)	240-85395-M-9	Amber Glass 1 liter - Hydrochloric	<2		
DUP-02-(20170920)	240-85395-N-9	Amber Glass 1 liter - Hydrochloric	<2		
AMW-21-(20170919)	240-85395-G-11	Plastic 250ml - with Sodium Hydrox	<12		
AMW-21-(20170919)	240-85395-H-11	Plastic 500ml - with Nitric Acid	>2		
AMW-21-(20170919)	240-85395-M-11	Amber Glass 1 liter - Hydrochloric	<2		
AMW-21-(20170919)	240-85395-N-11	Amber Glass 1 liter - Hydrochloric	<2		
AMW-22-(20170919)	240-85395-G-13	Plastic 250ml - with Sodium Hydrox	<12		
AMW-22-(20170919)	240-85395-H-13	Plastic 500ml - with Nitric Acid	>2		
AMW-22-(20170919)	240-85395-M-13	Amber Glass 1 liter - Hydrochloric	<2		
AMW-22-(20170919)	240-85395-N-13	Amber Glass 1 liter - Hydrochloric	<2		
AMW-22B-(20170919)	240-85395-G-15	Plastic 250ml - with Sodium Hydrox	<12		
AMW-22B-(20170919)	240-85395-G-15 MS	Plastic 250ml - with Sodium Hydrox	<12		
AMW-22B-(20170919)	240-85395-G-15 MSD	Plastic 250ml - with Sodium Hydrox	<12		
AMW-22B-(20170919)	240-85395-H-15	Plastic 500ml - with Nitric Acid	>2		
AMW-22B-(20170919)	240-85395-H-15 MS	Plastic 500ml - with Nitric Acid	>2		
AMW-22B-(20170919)	240-85395-H-15 MSD	Plastic 500ml - with Nitric Acid	>2		
AMW-22B-(20170919)	240-85395-M-15	Amber Glass 1 liter - Hydrochloric	<2		
AMW-22B-(20170919)	240-85395-M-15 MS	Amber Glass 1 liter - Hydrochloric	<2		
AMW-22B-(20170919)	240-85395-M-15 MSI	Amber Glass 1 liter - Hydrochloric	<2		

<u>Client Sample ID</u>	<u>Lab ID</u>	<u>Container Type</u>	<u>Container</u> <u>pH</u>	<u>Preservative</u> <u>Added (mls)</u>	<u>Lot #</u>
AMW-22B-(20170919)	240-85395-N-15	Amber Glass 1 liter - Hydrochloric	<2	_____	_____
AMW-22B-(20170919)	240-85395-N-15 MS	Amber Glass 1 liter - Hydrochloric	<2	_____	_____
AMW-22B-(20170919)	240-85395-N-15 MSD	Amber Glass 1 liter - Hydrochloric	<2	_____	_____
AMW-23-(20170920)	240-85395-G-17	Plastic 250ml - with Sodium Hydrox	<12	_____	_____
AMW-23-(20170920)	240-85395-H-17	Plastic 500ml - with Nitric Acid	>2	_____	_____
AMW-23-(20170920)	240-85395-M-17	Amber Glass 1 liter - Hydrochloric	<2	_____	_____
AMW-23-(20170920)	240-85395-N-17	Amber Glass 1 liter - Hydrochloric	<2	_____	_____
AMW-23B-(20170920)	240-85395-G-19	Plastic 250ml - with Sodium Hydrox	<12	_____	_____
AMW-23B-(20170920)	240-85395-H-19	Plastic 500ml - with Nitric Acid	>2	_____	_____
AMW-23B-(20170920)	240-85395-M-19	Amber Glass 1 liter - Hydrochloric	<2	_____	_____
AMW-23B-(20170920)	240-85395-N-19	Amber Glass 1 liter - Hydrochloric	<2	_____	_____
AMW-24-(20170920)	240-85395-G-21	Plastic 250ml - with Sodium Hydrox	<12	_____	_____
AMW-24-(20170920)	240-85395-H-21	Plastic 500ml - with Nitric Acid	>2	_____	_____
AMW-24-(20170920)	240-85395-M-21	Amber Glass 1 liter - Hydrochloric	<2	_____	_____
AMW-24-(20170920)	240-85395-N-21	Amber Glass 1 liter - Hydrochloric	<2	_____	_____
AMW-25-(20170920)	240-85395-G-23	Plastic 250ml - with Sodium Hydrox	<12	_____	_____
AMW-25-(20170920)	240-85395-H-23	Plastic 500ml - with Nitric Acid	>2	_____	_____
AMW-25-(20170920)	240-85395-M-23	Amber Glass 1 liter - Hydrochloric	<2	_____	_____
AMW-25-(20170920)	240-85395-N-23	Amber Glass 1 liter - Hydrochloric	<2	_____	_____
AMW-26-(20170920)	240-85395-G-25	Plastic 250ml - with Sodium Hydrox	<12	_____	_____
AMW-26-(20170920)	240-85395-H-25	Plastic 500ml - with Nitric Acid	>2	_____	_____
AMW-26-(20170920)	240-85395-M-25	Amber Glass 1 liter - Hydrochloric	<2	_____	_____
AMW-26-(20170920)	240-85395-N-25	Amber Glass 1 liter - Hydrochloric	<2	_____	_____



COOLER RECEIPT FORM

Cooler Received/Opened On 09-26-2017

10:10

Time Samples Removed From Cooler _____ Time Samples Placed In Storage _____ (2 Hour Window)

1. Tracking # 742084831731 (last 4 digits, FedEx)

Courier: FedEx Standard Overnight

IR Gun ID 31470366

pH Strip Lot _____

Chlorine Strip Lot _____

2. Temperature of rep. sample or temp blank when opened: 0.3 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen?

YES NO...NA

4. Were custody seals on outside of cooler?

YES...NO...NA

If yes, how many and where: _____

5. Were the seals intact, signed, and dated correctly?

YES...NO...NA

6. Were custody papers inside cooler?

YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) ED

7. Were custody seals on containers:

YES

NO

and Intact

YES...NO...NA

Were these signed and dated correctly?

YES...NO...NA

8. Packing mat'l used?

Bubblewrap

Plastic bag

Peanuts

Vermiculite

Foam Insert

Paper

Other None

9. Cooling process:

Ice

Ice-pack

Ice (direct contact)

Dry ice

Other

None

10. Did all containers arrive in good condition (unbroken)?

YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)?

YES...NO...NA

12. Did all container labels and tags agree with custody papers?

YES...NO...NA

13a. Were VOA vials received?

YES...NO...NA

b. Was there any observable headspace present in any VOA vial?

YES...NO...NA



Larger than this.

14. Was there a Trip Blank in this cooler?

YES...NO...NA

If multiple coolers, sequence # _____

I certify that I unloaded the cooler and answered questions 7-14 (initial) ES

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level?

YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used

YES...NO...NA

16. Was residual chlorine present?

YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) ES

17. Were custody papers properly filled out (ink, signed, etc)?

YES...NO...NA

18. Did you sign the custody papers in the appropriate place?

YES...NO...NA

19. Were correct containers used for the analysis requested?

YES...NO...NA

20. Was sufficient amount of sample sent in each container?

YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) ES

I certify that I attached a label with the unique LIMS number to each container (initial) ES

21. Were there Non-Conformance issues at login? YES...NO

Was a NCM generated? YES...NO...# ES

4101 Shuffel Street NW
North Canton, OH 44720
Phone (330) 497-9396 Fax

Chain of Custody Record

Client Information (Sub Contract Lab)			Lab PM: Pohl, Denise	Carrier Tracking No(s): 240-77234.2
Client Contact Shipping/Receiving			E-Mail: denise.pohl@testamericainc.com	Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc			Accreditations Required (See note): 240-85395-1	
Address: 2960 Foster Creighton Drive, City: Nashville State, Zip: TN, 37204 Phone: 615-726-0177(Tel) 615-726-3404(Fax) Email:			Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
Project Name: Ford TCAP - E200572 Site:			Analysis Requested Loc: 240 85395	
Due Date Requested: 10/4/2017 TAT Requested (days):			Total Number of Containers	
PO #: WO #: Project #: 24006638 SSOW#:			9012B/9012B_Prep Total Cyanide	
Sample Identification - Client ID (Lab ID)			Field Filtered Sample (Yes or No)	
AMW-24-(20170920) (240-85395-21)			Perform MS/MSD (Yes or No)	
AMW-25-(20170920) (240-85395-23)			9012B/9012B_Prep Total Cyanide	
AMW-26-(20170920) (240-85395-25)			Special Instructions/Note:	
Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. 1				
Possible Hazard Identification				
Unconfirmed Deliverable Requested: I, II, III, IV, Other (specify)			Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months	
Primary Deliverable Rank: 2			Special Instructions/QC Requirements:	
Empty Kit Relinquished by:			Method of Shipment:	
Relinquished by: Date/Time: 9-25-17 1300			Received by: Date/Time: 9-26-17 10:10	
Relinquished by:			Received by:	
Relinquished by:			Received by:	
Custody Seal No.: A Yes A No			Cooler Temperature(s) °C and Other Remarks: 0.3	

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 240-85395-1

Login Number: 85395

List Number: 2

Creator: Stewart, Eric S

List Source: TestAmerica Nashville

List Creation: 09/26/17 03:43 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	