Analytical Environmental Services, Inc **Date:** 16-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RMW-07
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/3/2017 11:00:00 AM
Lab ID:	1705546-009	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Bis(2-ethylhexyl)phthalate	BRL	430		ug/Kg-dry	242340	1	05/10/2017 18:47	YH
Butyl benzyl phthalate	BRL	430		ug/Kg-dry	242340	1	05/10/2017 18:47	YH
Caprolactam	BRL	430		ug/Kg-dry	242340	1	05/10/2017 18:47	YH
Carbazole	BRL	430		ug/Kg-dry	242340	1	05/10/2017 18:47	YH
Chrysene	BRL	430		ug/Kg-dry	242340	1	05/10/2017 18:47	YH
Di-n-butyl phthalate	BRL	430		ug/Kg-dry	242340	1	05/10/2017 18:47	YH
Di-n-octyl phthalate	BRL	430		ug/Kg-dry	242340	1	05/10/2017 18:47	YH
Dibenz(a,h)anthracene	BRL	430		ug/Kg-dry	242340	1	05/10/2017 18:47	YH
Dibenzofuran	BRL	430		ug/Kg-dry	242340	1	05/10/2017 18:47	YH
Diethyl phthalate	BRL	430		ug/Kg-dry	242340	1	05/10/2017 18:47	YH
Dimethyl phthalate	BRL	430		ug/Kg-dry	242340	1	05/10/2017 18:47	YH
Fluoranthene	BRL	430		ug/Kg-dry	242340	1	05/10/2017 18:47	YH
Fluorene	BRL	430		ug/Kg-dry	242340	1	05/10/2017 18:47	YH
Hexachlorobenzene	BRL	430		ug/Kg-dry	242340	1	05/10/2017 18:47	YH
Hexachlorobutadiene	BRL	430		ug/Kg-dry	242340	1	05/10/2017 18:47	YH
Hexachlorocyclopentadiene	BRL	860		ug/Kg-dry	242340	1	05/10/2017 18:47	YH
Hexachloroethane	BRL	430		ug/Kg-dry	242340	1	05/10/2017 18:47	YH
Indeno(1,2,3-cd)pyrene	BRL	430		ug/Kg-dry	242340	1	05/10/2017 18:47	YH
Isophorone	BRL	430		ug/Kg-dry	242340	1	05/10/2017 18:47	YH
N-Nitrosodi-n-propylamine	BRL	430		ug/Kg-dry	242340	1	05/10/2017 18:47	YH
N-Nitrosodiphenylamine	BRL	430		ug/Kg-dry	242340	1	05/10/2017 18:47	YH
Naphthalene	BRL	430		ug/Kg-dry	242340	1	05/10/2017 18:47	YH
Nitrobenzene	BRL	430		ug/Kg-dry	242340	1	05/10/2017 18:47	YH
Pentachlorophenol	BRL	2200		ug/Kg-dry	242340	1	05/10/2017 18:47	YH
Phenanthrene	BRL	430		ug/Kg-dry	242340	1	05/10/2017 18:47	YH
Phenol	BRL	430		ug/Kg-dry	242340	1	05/10/2017 18:47	YH
Pyrene	BRL	430		ug/Kg-dry	242340	1	05/10/2017 18:47	YH
Surr: 2,4,6-Tribromophenol	92.4	46.9-137		%REC	242340	1	05/10/2017 18:47	YH
Surr: 2-Fluorobiphenyl	78	50-115		%REC	242340	1	05/10/2017 18:47	YH
Surr: 2-Fluorophenol	66.6	41.2-105		%REC	242340	1	05/10/2017 18:47	YH
Surr: 4-Terphenyl-d14	85.7	51.9-126		%REC	242340	1	05/10/2017 18:47	YH
Surr: Nitrobenzene-d5	60.3	40.2-113		%REC	242340	1	05/10/2017 18:47	YH
Surr: Phenol-d5	65.1	45-109		%REC	242340	1	05/10/2017 18:47	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	3.7		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
1,1,2,2-Tetrachloroethane	BRL	3.7		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
1,1,2-Trichloroethane	BRL	3.7		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
1,1-Dichloroethane	BRL	3.7		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
1,1-Dichloroethene	BRL	3.7		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
1,2,4-Trichlorobenzene	BRL	3.7		ug/Kg-dry	242311	1	05/08/2017 21:03	KH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc Date: 16-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RMW-07
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/3/2017 11:00:00 AM
Lab ID:	1705546-009	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,2-Dibromo-3-chloropropane	BRL	3.7		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
1,2-Dibromoethane	BRL	3.7		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
1,2-Dichlorobenzene	BRL	3.7		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
1,2-Dichloroethane	BRL	3.7		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
1,2-Dichloropropane	BRL	3.7		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
1,3-Dichlorobenzene	BRL	3.7		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
1,4-Dichlorobenzene	BRL	3.7		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
2-Butanone	BRL	37		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
2-Hexanone	BRL	7.4		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
4-Methyl-2-pentanone	BRL	7.4		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
Acetone	BRL	74		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
Benzene	BRL	3.7		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
Bromodichloromethane	BRL	3.7		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
Bromoform	BRL	3.7		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
Bromomethane	BRL	3.7		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
Carbon disulfide	BRL	7.4		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
Carbon tetrachloride	BRL	3.7		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
Chlorobenzene	BRL	3.7		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
Chloroethane	BRL	7.4		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
Chloroform	BRL	3.7		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
Chloromethane	BRL	7.4		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
cis-1,2-Dichloroethene	BRL	3.7		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
cis-1,3-Dichloropropene	BRL	3.7		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
Cyclohexane	BRL	3.7		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
Dibromochloromethane	BRL	3.7		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
Dichlorodifluoromethane	BRL	7.4		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
Ethylbenzene	BRL	3.7		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
Freon-113	BRL	7.4		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
Isopropylbenzene	BRL	3.7		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
m,p-Xylene	BRL	3.7		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
Methyl acetate	BRL	3.7		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
Methyl tert-butyl ether	BRL	3.7		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
Methylcyclohexane	BRL	3.7		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
Methylene chloride	BRL	15		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
o-Xylene	BRL	3.7		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
Styrene	BRL	3.7		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
Tetrachloroethene	BRL	3.7		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
Toluene	BRL	3.7		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
trans-1,2-Dichloroethene	BRL	3.7		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
trans-1,3-Dichloropropene	BRL	3.7		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
Trichloroethene	BRL	3.7		ug/Kg-dry	242311	1	05/08/2017 21:03	KH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 16-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RMW-07
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/3/2017 11:00:00 AM
Lab ID:	1705546-009	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Trichlorofluoromethane	BRL	3.7		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
Vinyl chloride	BRL	7.4		ug/Kg-dry	242311	1	05/08/2017 21:03	KH
Surr: 4-Bromofluorobenzene	83.3	63-125		%REC	242311	1	05/08/2017 21:03	KH
Surr: Dibromofluoromethane	90.2	69.9-123		%REC	242311	1	05/08/2017 21:03	KH
Surr: Toluene-d8	90.5	70-122		%REC	242311	1	05/08/2017 21:03	KH
GASOLINE RANGE ORGANICS SW8015C				**(SW5035)**				
TPH (Gasoline Range Organics)	BRL	0.40		mg/Kg-dry	242623	1	05/14/2017 18:35	JE
Surr: a,a,a-trifluorotoluene	113	70.1-136		%REC	242623	1	05/14/2017 18:35	JE
DIESEL RANGE ORGANICS SW8015C				**(SW3550C)**				
TPH (Diesel Range Organics)	BRL	8.7		mg/Kg-dry	242339	1	05/10/2017 19:40	RF
Surr: Dioctylphthalate	78.9	54.5-121		%REC	242339	1	05/10/2017 19:40	RF
METALS, TOTAL SW6010D				**(SW3050B)**				
Arsenic	26.5	4.65		mg/Kg-dry	242449	1	05/11/2017 19:19	IO
Barium	297	4.65		mg/Kg-dry	242449	1	05/11/2017 19:19	IO
Cadmium	BRL	2.32		mg/Kg-dry	242449	1	05/11/2017 19:19	IO
Chromium	13.1	2.32		mg/Kg-dry	242449	1	05/11/2017 19:19	IO
Lead	BRL	4.65		mg/Kg-dry	242449	1	05/11/2017 19:19	IO
Selenium	BRL	4.65		mg/Kg-dry	242449	1	05/11/2017 19:19	IO
Silver	BRL	2.32		mg/Kg-dry	242449	1	05/11/2017 19:19	IO
PERCENT MOISTURE D2216								
Percent Moisture	23.4	0		wt%	R342850	1	05/11/2017 07:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 16-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RMW-06
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/3/2017 2:50:00 PM
Lab ID:	1705546-010	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TOTAL MERCURY SW7471B					**(SW7471B)**			
Mercury	BRL	0.108		mg/Kg-dry	242415	1	05/12/2017 17:41	AS
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**			
1,1'-Biphenyl	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
2,4,5-Trichlorophenol	BRL	2100		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
2,4,6-Trichlorophenol	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
2,4-Dichlorophenol	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
2,4-Dimethylphenol	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
2,4-Dinitrophenol	BRL	2100		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
2,4-Dinitrotoluene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
2,6-Dinitrotoluene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
2-Chloronaphthalene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
2-Chlorophenol	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
2-Methylnaphthalene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
2-Methylphenol	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
2-Nitroaniline	BRL	2100		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
2-Nitrophenol	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
3,3'-Dichlorobenzidine	BRL	820		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
3-Nitroaniline	BRL	2100		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
4,6-Dinitro-2-methylphenol	BRL	2100		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
4-Bromophenyl phenyl ether	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
4-Chloro-3-methylphenol	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
4-Chloroaniline	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
4-Chlorophenyl phenyl ether	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
4-Methylphenol	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
4-Nitroaniline	BRL	2100		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
4-Nitrophenol	BRL	2100		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
Acenaphthene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
Acenaphthylene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
Acetophenone	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
Anthracene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
Atrazine	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
Benz(a)anthracene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
Benzaldehyde	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
Benzo(a)pyrene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
Benzo(b)fluoranthene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
Benzo(g,h,i)perylene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
Benzo(k)fluoranthene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
Bis(2-chloroethoxy)methane	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
Bis(2-chloroethyl)ether	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
Bis(2-chloroisopropyl)ether	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH

Qualifiers:

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Analytical Environmental Services, Inc **Date:** 16-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RMW-06
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/3/2017 2:50:00 PM
Lab ID:	1705546-010	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Bis(2-ethylhexyl)phthalate	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
Butyl benzyl phthalate	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
Caprolactam	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
Carbazole	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
Chrysene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
Di-n-butyl phthalate	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
Di-n-octyl phthalate	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
Dibenz(a,h)anthracene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
Dibenzofuran	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
Diethyl phthalate	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
Dimethyl phthalate	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
Fluoranthene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
Fluorene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
Hexachlorobenzene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
Hexachlorobutadiene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
Hexachlorocyclopentadiene	BRL	810		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
Hexachloroethane	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
Indeno(1,2,3-cd)pyrene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
Isophorone	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
N-Nitrosodi-n-propylamine	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
N-Nitrosodiphenylamine	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
Naphthalene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
Nitrobenzene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
Pentachlorophenol	BRL	2100		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
Phenanthrene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
Phenol	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
Pyrene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 19:13	YH
Surr: 2,4,6-Tribromophenol	98.6	46.9-137		%REC	242340	1	05/10/2017 19:13	YH
Surr: 2-Fluorobiphenyl	79.7	50-115		%REC	242340	1	05/10/2017 19:13	YH
Surr: 2-Fluorophenol	66	41.2-105		%REC	242340	1	05/10/2017 19:13	YH
Surr: 4-Terphenyl-d14	91.7	51.9-126		%REC	242340	1	05/10/2017 19:13	YH
Surr: Nitrobenzene-d5	61	40.2-113		%REC	242340	1	05/10/2017 19:13	YH
Surr: Phenol-d5	65.3	45-109		%REC	242340	1	05/10/2017 19:13	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	1.9		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
1,1,2,2-Tetrachloroethane	BRL	1.9		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
1,1,2-Trichloroethane	BRL	1.9		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
1,1-Dichloroethane	BRL	1.9		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
1,1-Dichloroethene	BRL	1.9		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
1,2,4-Trichlorobenzene	BRL	1.9		ug/Kg-dry	242311	1	05/08/2017 21:26	KH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 16-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RMW-06
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/3/2017 2:50:00 PM
Lab ID:	1705546-010	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,2-Dibromo-3-chloropropane	BRL	1.9		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
1,2-Dibromoethane	BRL	1.9		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
1,2-Dichlorobenzene	BRL	1.9		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
1,2-Dichloroethane	BRL	1.9		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
1,2-Dichloropropane	BRL	1.9		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
1,3-Dichlorobenzene	BRL	1.9		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
1,4-Dichlorobenzene	BRL	1.9		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
2-Butanone	BRL	19		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
2-Hexanone	BRL	3.8		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
4-Methyl-2-pentanone	BRL	3.8		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
Acetone	BRL	38		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
Benzene	BRL	1.9		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
Bromodichloromethane	BRL	1.9		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
Bromoform	BRL	1.9		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
Bromomethane	BRL	1.9		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
Carbon disulfide	BRL	3.8		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
Carbon tetrachloride	BRL	1.9		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
Chlorobenzene	BRL	1.9		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
Chloroethane	BRL	3.8		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
Chloroform	BRL	1.9		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
Chloromethane	BRL	3.8		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
cis-1,2-Dichloroethene	BRL	1.9		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
cis-1,3-Dichloropropene	BRL	1.9		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
Cyclohexane	BRL	1.9		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
Dibromochloromethane	BRL	1.9		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
Dichlorodifluoromethane	BRL	3.8		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
Ethylbenzene	BRL	1.9		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
Freon-113	BRL	3.8		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
Isopropylbenzene	BRL	1.9		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
m,p-Xylene	BRL	1.9		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
Methyl acetate	BRL	1.9		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
Methyl tert-butyl ether	BRL	1.9		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
Methylcyclohexane	BRL	1.9		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
Methylene chloride	BRL	7.5		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
o-Xylene	BRL	1.9		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
Styrene	BRL	1.9		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
Tetrachloroethene	BRL	1.9		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
Toluene	BRL	1.9		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
trans-1,2-Dichloroethene	BRL	1.9		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
trans-1,3-Dichloropropene	BRL	1.9		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
Trichloroethene	BRL	1.9		ug/Kg-dry	242311	1	05/08/2017 21:26	KH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 16-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RMW-06
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/3/2017 2:50:00 PM
Lab ID:	1705546-010	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Trichlorofluoromethane	BRL	1.9		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
Vinyl chloride	BRL	3.8		ug/Kg-dry	242311	1	05/08/2017 21:26	KH
Surr: 4-Bromofluorobenzene	74	63-125		%REC	242311	1	05/08/2017 21:26	KH
Surr: Dibromofluoromethane	75.7	69.9-123		%REC	242311	1	05/08/2017 21:26	KH
Surr: Toluene-d8	91.4	70-122		%REC	242311	1	05/08/2017 21:26	KH
GASOLINE RANGE ORGANICS SW8015C				**(SW5035)**				
TPH (Gasoline Range Organics)	BRL	0.39		mg/Kg-dry	242623	1	05/14/2017 19:03	JE
Surr: a.a.a-trifluorotoluene	114	70.1-136		%REC	242623	1	05/14/2017 19:03	JE
DIESEL RANGE ORGANICS SW8015C				**(SW3550C)**				
TPH (Diesel Range Organics)	BRL	8.2		mg/Kg-dry	242339	1	05/10/2017 21:37	RF
Surr: Dioctylphthalate	92	54.5-121		%REC	242339	1	05/10/2017 21:37	RF
METALS, TOTAL SW6010D				**(SW3050B)**				
Arsenic	BRL	4.40		mg/Kg-dry	242449	1	05/11/2017 19:23	IO
Barium	157	4.40		mg/Kg-dry	242449	1	05/11/2017 19:23	IO
Cadmium	BRL	2.20		mg/Kg-dry	242449	1	05/11/2017 19:23	IO
Chromium	16.7	2.20		mg/Kg-dry	242449	1	05/11/2017 19:23	IO
Lead	6.31	4.40		mg/Kg-dry	242449	1	05/11/2017 19:23	IO
Selenium	BRL	4.40		mg/Kg-dry	242449	1	05/11/2017 19:23	IO
Silver	BRL	2.20		mg/Kg-dry	242449	1	05/11/2017 19:23	IO
PERCENT MOISTURE D2216								
Percent Moisture	18.7	0		wt%	R342850	1	05/11/2017 07:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 16-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RMW-05
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/3/2017 5:15:00 PM
Lab ID:	1705546-011	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.109		mg/Kg-dry	242415	1	05/12/2017 17:00	AS
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
1,1´-Biphenyl	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
2,4,5-Trichlorophenol	BRL	2000		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
2,4,6-Trichlorophenol	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
2,4-Dichlorophenol	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
2,4-Dimethylphenol	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
2,4-Dinitrophenol	BRL	2000		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
2,4-Dinitrotoluene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
2,6-Dinitrotoluene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
2-Chloronaphthalene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
2-Chlorophenol	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
2-Methylnaphthalene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
2-Methylphenol	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
2-Nitroaniline	BRL	2000		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
2-Nitrophenol	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
3,3´-Dichlorobenzidine	BRL	780		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
3-Nitroaniline	BRL	2000		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
4,6-Dinitro-2-methylphenol	BRL	2000		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
4-Bromophenyl phenyl ether	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
4-Chloro-3-methylphenol	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
4-Chloroaniline	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
4-Chlorophenyl phenyl ether	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
4-Methylphenol	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
4-Nitroaniline	BRL	2000		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
4-Nitrophenol	BRL	2000		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
Acenaphthene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
Acenaphthylene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
Acetophenone	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
Anthracene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
Atrazine	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
Benz(a)anthracene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
Benzaldehyde	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
Benzo(a)pyrene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
Benzo(b)fluoranthene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
Benzo(g,h,i)perylene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
Benzo(k)fluoranthene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
Bis(2-chloroethoxy)methane	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
Bis(2-chloroethyl)ether	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
Bis(2-chloroisopropyl)ether	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH

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Analytical Environmental Services, Inc **Date:** 16-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RMW-05
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/3/2017 5:15:00 PM
Lab ID:	1705546-011	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Bis(2-ethylhexyl)phthalate	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
Butyl benzyl phthalate	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
Caprolactam	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
Carbazole	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
Chrysene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
Di-n-butyl phthalate	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
Di-n-octyl phthalate	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
Dibenz(a,h)anthracene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
Dibenzofuran	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
Diethyl phthalate	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
Dimethyl phthalate	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
Fluoranthene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
Fluorene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
Hexachlorobenzene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
Hexachlorobutadiene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
Hexachlorocyclopentadiene	BRL	770		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
Hexachloroethane	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
Indeno(1,2,3-cd)pyrene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
Isophorone	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
N-Nitrosodi-n-propylamine	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
N-Nitrosodiphenylamine	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
Naphthalene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
Nitrobenzene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
Pentachlorophenol	BRL	2000		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
Phenanthrene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
Phenol	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
Pyrene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 19:37	YH
Surr: 2,4,6-Tribromophenol	95.6	46.9-137		%REC	242340	1	05/10/2017 19:37	YH
Surr: 2-Fluorobiphenyl	73.9	50-115		%REC	242340	1	05/10/2017 19:37	YH
Surr: 2-Fluorophenol	59.1	41.2-105		%REC	242340	1	05/10/2017 19:37	YH
Surr: 4-Terphenyl-d14	86.8	51.9-126		%REC	242340	1	05/10/2017 19:37	YH
Surr: Nitrobenzene-d5	56.6	40.2-113		%REC	242340	1	05/10/2017 19:37	YH
Surr: Phenol-d5	59.8	45-109		%REC	242340	1	05/10/2017 19:37	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	3.3		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
1,1,2,2-Tetrachloroethane	BRL	3.3		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
1,1,2-Trichloroethane	BRL	3.3		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
1,1-Dichloroethane	BRL	3.3		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
1,1-Dichloroethene	BRL	3.3		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
1,2,4-Trichlorobenzene	BRL	3.3		ug/Kg-dry	242313	1	05/11/2017 17:40	MD

Qualifiers:

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- Narr See case narrative
- NC Not confirmed
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Analytical Environmental Services, Inc **Date:** 16-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RMW-05
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/3/2017 5:15:00 PM
Lab ID:	1705546-011	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,2-Dibromo-3-chloropropane	BRL	3.3		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
1,2-Dibromoethane	BRL	3.3		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
1,2-Dichlorobenzene	BRL	3.3		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
1,2-Dichloroethane	BRL	3.3		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
1,2-Dichloropropane	BRL	3.3		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
1,3-Dichlorobenzene	BRL	3.3		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
1,4-Dichlorobenzene	BRL	3.3		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
2-Butanone	BRL	33		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
2-Hexanone	BRL	6.6		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
4-Methyl-2-pentanone	BRL	6.6		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
Acetone	BRL	66		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
Benzene	BRL	3.3		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
Bromodichloromethane	BRL	3.3		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
Bromoform	BRL	3.3		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
Bromomethane	BRL	3.3		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
Carbon disulfide	BRL	6.6		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
Carbon tetrachloride	BRL	3.3		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
Chlorobenzene	BRL	3.3		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
Chloroethane	BRL	6.6		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
Chloroform	BRL	3.3		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
Chloromethane	BRL	6.6		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
cis-1,2-Dichloroethene	BRL	3.3		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
cis-1,3-Dichloropropene	BRL	3.3		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
Cyclohexane	BRL	3.3		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
Dibromochloromethane	BRL	3.3		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
Dichlorodifluoromethane	BRL	6.6		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
Ethylbenzene	BRL	3.3		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
Freon-113	BRL	6.6		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
Isopropylbenzene	BRL	3.3		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
m,p-Xylene	BRL	3.3		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
Methyl acetate	BRL	3.3		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
Methyl tert-butyl ether	BRL	3.3		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
Methylcyclohexane	BRL	3.3		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
Methylene chloride	BRL	13		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
o-Xylene	BRL	3.3		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
Styrene	BRL	3.3		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
Tetrachloroethene	BRL	3.3		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
Toluene	BRL	3.3		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
trans-1,2-Dichloroethene	BRL	3.3		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
trans-1,3-Dichloropropene	BRL	3.3		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
Trichloroethene	BRL	3.3		ug/Kg-dry	242313	1	05/11/2017 17:40	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 16-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RMW-05
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/3/2017 5:15:00 PM
Lab ID:	1705546-011	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Trichlorofluoromethane	BRL	3.3		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
Vinyl chloride	BRL	6.6		ug/Kg-dry	242313	1	05/11/2017 17:40	MD
Surr: 4-Bromofluorobenzene	101	63-125		%REC	242313	1	05/11/2017 17:40	MD
Surr: Dibromofluoromethane	101	69.9-123		%REC	242313	1	05/11/2017 17:40	MD
Surr: Toluene-d8	99.9	70-122		%REC	242313	1	05/11/2017 17:40	MD
GASOLINE RANGE ORGANICS SW8015C				**(SW5035)**				
TPH (Gasoline Range Organics)	BRL	0.33		mg/Kg-dry	242623	1	05/14/2017 19:30	JE
Surr: a,a,a-trifluorotoluene	114	70.1-136		%REC	242623	1	05/14/2017 19:30	JE
DIESEL RANGE ORGANICS SW8015C				**(SW3550C)**				
TPH (Diesel Range Organics)	BRL	7.8		mg/Kg-dry	242339	1	05/10/2017 20:03	RF
Surr: Dioctylphthalate	83.5	54.5-121		%REC	242339	1	05/10/2017 20:03	RF
METALS, TOTAL SW6010D				**(SW3050B)**				
Arsenic	BRL	4.22		mg/Kg-dry	242449	1	05/11/2017 19:27	IO
Barium	27.5	4.22		mg/Kg-dry	242449	1	05/11/2017 19:27	IO
Cadmium	BRL	2.11		mg/Kg-dry	242449	1	05/11/2017 19:27	IO
Chromium	16.2	2.11		mg/Kg-dry	242449	1	05/11/2017 19:27	IO
Lead	5.93	4.22		mg/Kg-dry	242449	1	05/11/2017 19:27	IO
Selenium	BRL	4.22		mg/Kg-dry	242449	1	05/11/2017 19:27	IO
Silver	BRL	2.11		mg/Kg-dry	242449	1	05/11/2017 19:27	IO
PERCENT MOISTURE D2216								
Percent Moisture	14.3	0		wt%	R342850	1	05/11/2017 07:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 16-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RMW-04
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/4/2017 10:30:00 AM
Lab ID:	1705546-012	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.106		mg/Kg-dry	242415	1	05/12/2017 17:44	AS
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
1,1'-Biphenyl	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
2,4,5-Trichlorophenol	BRL	2000		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
2,4,6-Trichlorophenol	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
2,4-Dichlorophenol	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
2,4-Dimethylphenol	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
2,4-Dinitrophenol	BRL	2000		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
2,4-Dinitrotoluene	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
2,6-Dinitrotoluene	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
2-Chloronaphthalene	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
2-Chlorophenol	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
2-Methylnaphthalene	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
2-Methylphenol	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
2-Nitroaniline	BRL	2000		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
2-Nitrophenol	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
3,3'-Dichlorobenzidine	BRL	800		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
3-Nitroaniline	BRL	2000		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
4,6-Dinitro-2-methylphenol	BRL	2000		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
4-Bromophenyl phenyl ether	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
4-Chloro-3-methylphenol	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
4-Chloroaniline	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
4-Chlorophenyl phenyl ether	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
4-Methylphenol	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
4-Nitroaniline	BRL	2000		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
4-Nitrophenol	BRL	2000		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
Acenaphthene	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
Acenaphthylene	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
Acetophenone	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
Anthracene	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
Atrazine	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
Benz(a)anthracene	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
Benzaldehyde	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
Benzo(a)pyrene	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
Benzo(b)fluoranthene	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
Benzo(g,h,i)perylene	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
Benzo(k)fluoranthene	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
Bis(2-chloroethoxy)methane	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
Bis(2-chloroethyl)ether	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
Bis(2-chloroisopropyl)ether	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 16-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RMW-04
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/4/2017 10:30:00 AM
Lab ID:	1705546-012	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Bis(2-ethylhexyl)phthalate	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
Butyl benzyl phthalate	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
Caprolactam	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
Carbazole	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
Chrysene	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
Di-n-butyl phthalate	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
Di-n-octyl phthalate	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
Dibenz(a,h)anthracene	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
Dibenzofuran	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
Diethyl phthalate	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
Dimethyl phthalate	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
Fluoranthene	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
Fluorene	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
Hexachlorobenzene	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
Hexachlorobutadiene	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
Hexachlorocyclopentadiene	BRL	780		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
Hexachloroethane	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
Indeno(1,2,3-cd)pyrene	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
Isophorone	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
N-Nitrosodi-n-propylamine	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
N-Nitrosodiphenylamine	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
Naphthalene	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
Nitrobenzene	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
Pentachlorophenol	BRL	2000		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
Phenanthrene	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
Phenol	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
Pyrene	BRL	390		ug/Kg-dry	242340	1	05/10/2017 20:03	YH
Surr: 2,4,6-Tribromophenol	103	46.9-137		%REC	242340	1	05/10/2017 20:03	YH
Surr: 2-Fluorobiphenyl	80.7	50-115		%REC	242340	1	05/10/2017 20:03	YH
Surr: 2-Fluorophenol	65.4	41.2-105		%REC	242340	1	05/10/2017 20:03	YH
Surr: 4-Terphenyl-d14	91.2	51.9-126		%REC	242340	1	05/10/2017 20:03	YH
Surr: Nitrobenzene-d5	60.8	40.2-113		%REC	242340	1	05/10/2017 20:03	YH
Surr: Phenol-d5	64.7	45-109		%REC	242340	1	05/10/2017 20:03	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	4.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
1,1,2,2-Tetrachloroethane	BRL	4.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
1,1,2-Trichloroethane	BRL	4.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
1,1-Dichloroethane	BRL	4.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
1,1-Dichloroethene	BRL	4.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
1,2,4-Trichlorobenzene	BRL	4.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 16-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RMW-04
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/4/2017 10:30:00 AM
Lab ID:	1705546-012	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,2-Dibromo-3-chloropropane	BRL	4.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
1,2-Dibromoethane	BRL	4.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
1,2-Dichlorobenzene	BRL	4.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
1,2-Dichloroethane	BRL	4.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
1,2-Dichloropropane	BRL	4.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
1,3-Dichlorobenzene	BRL	4.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
1,4-Dichlorobenzene	BRL	4.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
2-Butanone	BRL	41		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
2-Hexanone	BRL	8.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
4-Methyl-2-pentanone	BRL	8.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
Acetone	BRL	81		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
Benzene	BRL	4.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
Bromodichloromethane	BRL	4.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
Bromoform	BRL	4.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
Bromomethane	BRL	4.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
Carbon disulfide	BRL	8.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
Carbon tetrachloride	BRL	4.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
Chlorobenzene	BRL	4.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
Chloroethane	BRL	8.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
Chloroform	BRL	4.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
Chloromethane	BRL	8.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
cis-1,2-Dichloroethene	BRL	4.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
cis-1,3-Dichloropropene	BRL	4.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
Cyclohexane	BRL	4.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
Dibromochloromethane	BRL	4.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
Dichlorodifluoromethane	BRL	8.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
Ethylbenzene	BRL	4.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
Freon-113	BRL	8.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
Isopropylbenzene	BRL	4.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
m,p-Xylene	BRL	4.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
Methyl acetate	BRL	4.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
Methyl tert-butyl ether	BRL	4.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
Methylcyclohexane	BRL	4.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
Methylene chloride	BRL	16		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
o-Xylene	BRL	4.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
Styrene	BRL	4.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
Tetrachloroethene	BRL	4.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
Toluene	BRL	4.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
trans-1,2-Dichloroethene	BRL	4.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
trans-1,3-Dichloropropene	BRL	4.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
Trichloroethene	BRL	4.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc Date: 16-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RMW-04
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/4/2017 10:30:00 AM
Lab ID:	1705546-012	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Trichlorofluoromethane	BRL	4.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
Vinyl chloride	BRL	8.1		ug/Kg-dry	242313	1	05/11/2017 19:20	MD
Surr: 4-Bromofluorobenzene	101	63-125		%REC	242313	1	05/11/2017 19:20	MD
Surr: Dibromofluoromethane	104	69.9-123		%REC	242313	1	05/11/2017 19:20	MD
Surr: Toluene-d8	99	70-122		%REC	242313	1	05/11/2017 19:20	MD
GASOLINE RANGE ORGANICS SW8015C				**(SW5035)**				
TPH (Gasoline Range Organics)	BRL	0.39		mg/Kg-dry	242623	1	05/14/2017 19:57	JE
Surr: a,a,a-trifluorotoluene	121	70.1-136		%REC	242623	1	05/14/2017 19:57	JE
DIESEL RANGE ORGANICS SW8015C				**(SW3550C)**				
TPH (Diesel Range Organics)	BRL	8.0		mg/Kg-dry	242339	1	05/10/2017 23:34	RF
Surr: Dioctylphthalate	80.7	54.5-121		%REC	242339	1	05/10/2017 23:34	RF
METALS, TOTAL SW6010D				**(SW3050B)**				
Arsenic	BRL	4.42		mg/Kg-dry	242449	1	05/11/2017 19:37	IO
Barium	99.3	4.42		mg/Kg-dry	242449	1	05/11/2017 19:37	IO
Cadmium	BRL	2.21		mg/Kg-dry	242449	1	05/11/2017 19:37	IO
Chromium	BRL	2.21		mg/Kg-dry	242449	1	05/11/2017 19:37	IO
Lead	9.66	4.42		mg/Kg-dry	242449	1	05/11/2017 19:37	IO
Selenium	BRL	4.42		mg/Kg-dry	242449	1	05/11/2017 19:37	IO
Silver	BRL	2.21		mg/Kg-dry	242449	1	05/11/2017 19:37	IO
PERCENT MOISTURE D2216								
Percent Moisture	15.8	0		wt%	R342850	1	05/11/2017 07:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc Date: 16-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RSB-04
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/4/2017 12:30:00 PM
Lab ID:	1705546-013	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TOTAL MERCURY SW7471B					**(SW7471B)**			
Mercury	BRL	0.107		mg/Kg-dry	242415	1	05/12/2017 17:46	AS
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**			
1,1´-Biphenyl	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
2,4,5-Trichlorophenol	BRL	2000		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
2,4,6-Trichlorophenol	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
2,4-Dichlorophenol	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
2,4-Dimethylphenol	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
2,4-Dinitrophenol	BRL	2000		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
2,4-Dinitrotoluene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
2,6-Dinitrotoluene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
2-Chloronaphthalene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
2-Chlorophenol	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
2-Methylnaphthalene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
2-Methylphenol	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
2-Nitroaniline	BRL	2000		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
2-Nitrophenol	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
3,3´-Dichlorobenzidine	BRL	780		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
3-Nitroaniline	BRL	2000		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
4,6-Dinitro-2-methylphenol	BRL	2000		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
4-Bromophenyl phenyl ether	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
4-Chloro-3-methylphenol	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
4-Chloroaniline	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
4-Chlorophenyl phenyl ether	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
4-Methylphenol	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
4-Nitroaniline	BRL	2000		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
4-Nitrophenol	BRL	2000		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
Acenaphthene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
Acenaphthylene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
Acetophenone	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
Anthracene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
Atrazine	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
Benz(a)anthracene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
Benzaldehyde	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
Benzo(a)pyrene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
Benzo(b)fluoranthene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
Benzo(g,h,i)perylene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
Benzo(k)fluoranthene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
Bis(2-chloroethoxy)methane	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
Bis(2-chloroethyl)ether	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
Bis(2-chloroisopropyl)ether	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc Date: 16-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RSB-04
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/4/2017 12:30:00 PM
Lab ID:	1705546-013	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Bis(2-ethylhexyl)phthalate	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
Butyl benzyl phthalate	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
Caprolactam	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
Carbazole	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
Chrysene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
Di-n-butyl phthalate	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
Di-n-octyl phthalate	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
Dibenz(a,h)anthracene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
Dibenzofuran	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
Diethyl phthalate	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
Dimethyl phthalate	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
Fluoranthene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
Fluorene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
Hexachlorobenzene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
Hexachlorobutadiene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
Hexachlorocyclopentadiene	BRL	770		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
Hexachloroethane	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
Indeno(1,2,3-cd)pyrene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
Isophorone	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
N-Nitrosodi-n-propylamine	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
N-Nitrosodiphenylamine	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
Naphthalene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
Nitrobenzene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
Pentachlorophenol	BRL	2000		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
Phenanthrene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
Phenol	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
Pyrene	BRL	380		ug/Kg-dry	242340	1	05/10/2017 20:29	YH
Surr: 2,4,6-Tribromophenol	103	46.9-137		%REC	242340	1	05/10/2017 20:29	YH
Surr: 2-Fluorobiphenyl	76.2	50-115		%REC	242340	1	05/10/2017 20:29	YH
Surr: 2-Fluorophenol	62.7	41.2-105		%REC	242340	1	05/10/2017 20:29	YH
Surr: 4-Terphenyl-d14	93.5	51.9-126		%REC	242340	1	05/10/2017 20:29	YH
Surr: Nitrobenzene-d5	57.6	40.2-113		%REC	242340	1	05/10/2017 20:29	YH
Surr: Phenol-d5	62.8	45-109		%REC	242340	1	05/10/2017 20:29	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	3.5		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
1,1,2,2-Tetrachloroethane	BRL	3.5		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
1,1,2-Trichloroethane	BRL	3.5		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
1,1-Dichloroethane	BRL	3.5		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
1,1-Dichloroethene	BRL	3.5		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
1,2,4-Trichlorobenzene	BRL	3.5		ug/Kg-dry	242313	1	05/11/2017 19:46	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc Date: 16-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RSB-04
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/4/2017 12:30:00 PM
Lab ID:	1705546-013	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,2-Dibromo-3-chloropropane	BRL	3.5		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
1,2-Dibromoethane	BRL	3.5		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
1,2-Dichlorobenzene	BRL	3.5		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
1,2-Dichloroethane	BRL	3.5		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
1,2-Dichloropropane	BRL	3.5		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
1,3-Dichlorobenzene	BRL	3.5		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
1,4-Dichlorobenzene	BRL	3.5		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
2-Butanone	BRL	35		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
2-Hexanone	BRL	7.1		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
4-Methyl-2-pentanone	BRL	7.1		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
Acetone	BRL	71		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
Benzene	BRL	3.5		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
Bromodichloromethane	BRL	3.5		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
Bromoform	BRL	3.5		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
Bromomethane	BRL	3.5		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
Carbon disulfide	BRL	7.1		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
Carbon tetrachloride	BRL	3.5		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
Chlorobenzene	BRL	3.5		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
Chloroethane	BRL	7.1		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
Chloroform	BRL	3.5		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
Chloromethane	BRL	7.1		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
cis-1,2-Dichloroethene	BRL	3.5		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
cis-1,3-Dichloropropene	BRL	3.5		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
Cyclohexane	BRL	3.5		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
Dibromochloromethane	BRL	3.5		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
Dichlorodifluoromethane	BRL	7.1		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
Ethylbenzene	BRL	3.5		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
Freon-113	BRL	7.1		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
Isopropylbenzene	BRL	3.5		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
m,p-Xylene	BRL	3.5		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
Methyl acetate	BRL	3.5		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
Methyl tert-butyl ether	BRL	3.5		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
Methylcyclohexane	BRL	3.5		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
Methylene chloride	BRL	14		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
o-Xylene	BRL	3.5		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
Styrene	BRL	3.5		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
Tetrachloroethene	BRL	3.5		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
Toluene	BRL	3.5		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
trans-1,2-Dichloroethene	BRL	3.5		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
trans-1,3-Dichloropropene	BRL	3.5		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
Trichloroethene	BRL	3.5		ug/Kg-dry	242313	1	05/11/2017 19:46	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 16-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RSB-04
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/4/2017 12:30:00 PM
Lab ID:	1705546-013	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Trichlorofluoromethane	BRL	3.5		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
Vinyl chloride	BRL	7.1		ug/Kg-dry	242313	1	05/11/2017 19:46	MD
Surr: 4-Bromofluorobenzene	89.2	63-125		%REC	242313	1	05/11/2017 19:46	MD
Surr: Dibromofluoromethane	109	69.9-123		%REC	242313	1	05/11/2017 19:46	MD
Surr: Toluene-d8	101	70-122		%REC	242313	1	05/11/2017 19:46	MD
GASOLINE RANGE ORGANICS SW8015C				**(SW5035)**				
TPH (Gasoline Range Organics)	BRL	0.35		mg/Kg-dry	242623	1	05/14/2017 20:24	JE
Surr: a,a,a-trifluorotoluene	113	70.1-136		%REC	242623	1	05/14/2017 20:24	JE
DIESEL RANGE ORGANICS SW8015C				**(SW3550C)**				
TPH (Diesel Range Organics)	12	7.8		mg/Kg-dry	242339	1	05/10/2017 23:57	RF
Surr: Dioctylphthalate	90.9	54.5-121		%REC	242339	1	05/10/2017 23:57	RF
METALS, TOTAL SW6010D				**(SW3050B)**				
Arsenic	BRL	4.33		mg/Kg-dry	242449	1	05/11/2017 19:41	IO
Barium	27.8	4.33		mg/Kg-dry	242449	1	05/11/2017 19:41	IO
Cadmium	BRL	2.17		mg/Kg-dry	242449	1	05/11/2017 19:41	IO
Chromium	25.8	2.17		mg/Kg-dry	242449	1	05/11/2017 19:41	IO
Lead	9.85	4.33		mg/Kg-dry	242449	1	05/11/2017 19:41	IO
Selenium	BRL	4.33		mg/Kg-dry	242449	1	05/11/2017 19:41	IO
Silver	BRL	2.17		mg/Kg-dry	242449	1	05/11/2017 19:41	IO
PERCENT MOISTURE D2216								
Percent Moisture	13.7	0		wt%	R342850	1	05/11/2017 07:00	BD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 16-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	DUP-01
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/2/2017
Lab ID:	1705546-014	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TOTAL MERCURY SW7471B					**(SW7471B)**			
Mercury	BRL	0.106		mg/Kg-dry	242415	1	05/12/2017 17:49	AS
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**			
1,1´-Biphenyl	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
2,4,5-Trichlorophenol	BRL	2100		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
2,4,6-Trichlorophenol	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
2,4-Dichlorophenol	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
2,4-Dimethylphenol	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
2,4-Dinitrophenol	BRL	2100		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
2,4-Dinitrotoluene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
2,6-Dinitrotoluene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
2-Chloronaphthalene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
2-Chlorophenol	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
2-Methylnaphthalene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
2-Methylphenol	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
2-Nitroaniline	BRL	2100		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
2-Nitrophenol	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
3,3´-Dichlorobenzidine	BRL	830		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
3-Nitroaniline	BRL	2100		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
4,6-Dinitro-2-methylphenol	BRL	2100		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
4-Bromophenyl phenyl ether	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
4-Chloro-3-methylphenol	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
4-Chloroaniline	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
4-Chlorophenyl phenyl ether	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
4-Methylphenol	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
4-Nitroaniline	BRL	2100		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
4-Nitrophenol	BRL	2100		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
Acenaphthene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
Acenaphthylene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
Acetophenone	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
Anthracene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
Atrazine	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
Benz(a)anthracene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
Benzaldehyde	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
Benzo(a)pyrene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
Benzo(b)fluoranthene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
Benzo(g,h,i)perylene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
Benzo(k)fluoranthene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
Bis(2-chloroethoxy)methane	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
Bis(2-chloroethyl)ether	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
Bis(2-chloroisopropyl)ether	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH

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Analytical Environmental Services, Inc Date: 16-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	DUP-01
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/2/2017
Lab ID:	1705546-014	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Bis(2-ethylhexyl)phthalate	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
Butyl benzyl phthalate	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
Caprolactam	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
Carbazole	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
Chrysene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
Di-n-butyl phthalate	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
Di-n-octyl phthalate	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
Dibenz(a,h)anthracene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
Dibenzofuran	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
Diethyl phthalate	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
Dimethyl phthalate	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
Fluoranthene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
Fluorene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
Hexachlorobenzene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
Hexachlorobutadiene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
Hexachlorocyclopentadiene	BRL	820		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
Hexachloroethane	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
Indeno(1,2,3-cd)pyrene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
Isophorone	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
N-Nitrosodi-n-propylamine	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
N-Nitrosodiphenylamine	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
Naphthalene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
Nitrobenzene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
Pentachlorophenol	BRL	2100		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
Phenanthrene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
Phenol	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
Pyrene	BRL	410		ug/Kg-dry	242340	1	05/10/2017 20:55	YH
Surr: 2,4,6-Tribromophenol	108	46.9-137		%REC	242340	1	05/10/2017 20:55	YH
Surr: 2-Fluorobiphenyl	87.2	50-115		%REC	242340	1	05/10/2017 20:55	YH
Surr: 2-Fluorophenol	75.4	41.2-105		%REC	242340	1	05/10/2017 20:55	YH
Surr: 4-Terphenyl-d14	95.7	51.9-126		%REC	242340	1	05/10/2017 20:55	YH
Surr: Nitrobenzene-d5	67.3	40.2-113		%REC	242340	1	05/10/2017 20:55	YH
Surr: Phenol-d5	73.5	45-109		%REC	242340	1	05/10/2017 20:55	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	3.8		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
1,1,2,2-Tetrachloroethane	BRL	3.8		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
1,1,2-Trichloroethane	BRL	3.8		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
1,1-Dichloroethane	BRL	3.8		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
1,1-Dichloroethene	BRL	3.8		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
1,2,4-Trichlorobenzene	BRL	3.8		ug/Kg-dry	242313	1	05/11/2017 20:11	MD

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Analytical Environmental Services, Inc Date: 16-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	DUP-01
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/2/2017
Lab ID:	1705546-014	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,2-Dibromo-3-chloropropane	BRL	3.8		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
1,2-Dibromoethane	BRL	3.8		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
1,2-Dichlorobenzene	BRL	3.8		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
1,2-Dichloroethane	BRL	3.8		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
1,2-Dichloropropane	BRL	3.8		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
1,3-Dichlorobenzene	BRL	3.8		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
1,4-Dichlorobenzene	BRL	3.8		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
2-Butanone	BRL	38		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
2-Hexanone	BRL	7.6		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
4-Methyl-2-pentanone	BRL	7.6		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
Acetone	BRL	76		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
Benzene	BRL	3.8		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
Bromodichloromethane	BRL	3.8		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
Bromoform	BRL	3.8		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
Bromomethane	BRL	3.8		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
Carbon disulfide	BRL	7.6		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
Carbon tetrachloride	BRL	3.8		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
Chlorobenzene	BRL	3.8		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
Chloroethane	BRL	7.6		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
Chloroform	BRL	3.8		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
Chloromethane	BRL	7.6		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
cis-1,2-Dichloroethene	BRL	3.8		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
cis-1,3-Dichloropropene	BRL	3.8		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
Cyclohexane	BRL	3.8		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
Dibromochloromethane	BRL	3.8		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
Dichlorodifluoromethane	BRL	7.6		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
Ethylbenzene	BRL	3.8		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
Freon-113	BRL	7.6		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
Isopropylbenzene	BRL	3.8		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
m,p-Xylene	BRL	3.8		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
Methyl acetate	BRL	3.8		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
Methyl tert-butyl ether	BRL	3.8		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
Methylcyclohexane	BRL	3.8		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
Methylene chloride	BRL	15		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
o-Xylene	BRL	3.8		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
Styrene	BRL	3.8		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
Tetrachloroethene	BRL	3.8		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
Toluene	BRL	3.8		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
trans-1,2-Dichloroethene	BRL	3.8		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
trans-1,3-Dichloropropene	BRL	3.8		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
Trichloroethene	BRL	3.8		ug/Kg-dry	242313	1	05/11/2017 20:11	MD

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Analytical Environmental Services, Inc Date: 16-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	DUP-01
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/2/2017
Lab ID:	1705546-014	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Trichlorofluoromethane	BRL	3.8		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
Vinyl chloride	BRL	7.6		ug/Kg-dry	242313	1	05/11/2017 20:11	MD
Surr: 4-Bromofluorobenzene	101	63-125		%REC	242313	1	05/11/2017 20:11	MD
Surr: Dibromofluoromethane	104	69.9-123		%REC	242313	1	05/11/2017 20:11	MD
Surr: Toluene-d8	98	70-122		%REC	242313	1	05/11/2017 20:11	MD
GASOLINE RANGE ORGANICS SW8015C				**(SW5035)**				
TPH (Gasoline Range Organics)	BRL	0.35		mg/Kg-dry	242623	1	05/14/2017 20:50	JE
Surr: a.a.a-trifluorotoluene	117	70.1-136		%REC	242623	1	05/14/2017 20:50	JE
DIESEL RANGE ORGANICS SW8015C				**(SW3550C)**				
TPH (Diesel Range Organics)	BRL	8.3		mg/Kg-dry	242339	1	05/10/2017 20:27	RF
Surr: Dioctylphthalate	89.4	54.5-121		%REC	242339	1	05/10/2017 20:27	RF
METALS, TOTAL SW6010D				**(SW3050B)**				
Arsenic	BRL	4.73		mg/Kg-dry	242449	1	05/11/2017 19:45	IO
Barium	273	4.73		mg/Kg-dry	242449	1	05/11/2017 19:45	IO
Cadmium	BRL	2.36		mg/Kg-dry	242449	1	05/11/2017 19:45	IO
Chromium	3.41	2.36		mg/Kg-dry	242449	1	05/11/2017 19:45	IO
Lead	16.8	4.73		mg/Kg-dry	242449	1	05/11/2017 19:45	IO
Selenium	BRL	4.73		mg/Kg-dry	242449	1	05/11/2017 19:45	IO
Silver	BRL	2.36		mg/Kg-dry	242449	1	05/11/2017 19:45	IO
PERCENT MOISTURE D2216								
Percent Moisture	19.3	0		wt%	R342850	1	05/11/2017 07:00	BD

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Analytical Environmental Services, Inc Date: 16-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	TRIP BLANK 1
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/5/2017
Lab ID:	1705546-015	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5030B)**			
1,1,1-Trichloroethane	BRL	5.0		ug/L	242315	1	05/10/2017 15:28	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242315	1	05/10/2017 15:28	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	242315	1	05/10/2017 15:28	NP
1,1-Dichloroethane	BRL	5.0		ug/L	242315	1	05/10/2017 15:28	NP
1,1-Dichloroethene	BRL	5.0		ug/L	242315	1	05/10/2017 15:28	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242315	1	05/10/2017 15:28	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242315	1	05/10/2017 15:28	NP
1,2-Dibromoethane	BRL	5.0		ug/L	242315	1	05/10/2017 15:28	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	242315	1	05/10/2017 15:28	NP
1,2-Dichloroethane	BRL	5.0		ug/L	242315	1	05/10/2017 15:28	NP
1,2-Dichloropropane	BRL	5.0		ug/L	242315	1	05/10/2017 15:28	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	242315	1	05/10/2017 15:28	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	242315	1	05/10/2017 15:28	NP
2-Butanone	BRL	50		ug/L	242315	1	05/10/2017 15:28	NP
2-Hexanone	BRL	10		ug/L	242315	1	05/10/2017 15:28	NP
4-Methyl-2-pentanone	BRL	10		ug/L	242315	1	05/10/2017 15:28	NP
Acetone	BRL	50		ug/L	242315	1	05/10/2017 15:28	NP
Benzene	BRL	5.0		ug/L	242315	1	05/10/2017 15:28	NP
Bromodichloromethane	BRL	5.0		ug/L	242315	1	05/10/2017 15:28	NP
Bromoform	BRL	5.0		ug/L	242315	1	05/10/2017 15:28	NP
Bromomethane	BRL	5.0		ug/L	242315	1	05/10/2017 15:28	NP
Carbon disulfide	BRL	5.0		ug/L	242315	1	05/10/2017 15:28	NP
Carbon tetrachloride	BRL	5.0		ug/L	242315	1	05/10/2017 15:28	NP
Chlorobenzene	BRL	5.0		ug/L	242315	1	05/10/2017 15:28	NP
Chloroethane	BRL	10		ug/L	242315	1	05/10/2017 15:28	NP
Chloroform	BRL	5.0		ug/L	242315	1	05/10/2017 15:28	NP
Chloromethane	BRL	10		ug/L	242315	1	05/10/2017 15:28	NP
cis-1,2-Dichloroethene	BRL	5.0		ug/L	242315	1	05/10/2017 15:28	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242315	1	05/10/2017 15:28	NP
Cyclohexane	BRL	5.0		ug/L	242315	1	05/10/2017 15:28	NP
Dibromochloromethane	BRL	5.0		ug/L	242315	1	05/10/2017 15:28	NP
Dichlorodifluoromethane	BRL	10		ug/L	242315	1	05/10/2017 15:28	NP
Ethylbenzene	BRL	5.0		ug/L	242315	1	05/10/2017 15:28	NP
Freon-113	BRL	10		ug/L	242315	1	05/10/2017 15:28	NP
Isopropylbenzene	BRL	5.0		ug/L	242315	1	05/10/2017 15:28	NP
m,p-Xylene	BRL	5.0		ug/L	242315	1	05/10/2017 15:28	NP
Methyl acetate	BRL	5.0		ug/L	242315	1	05/10/2017 15:28	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	242315	1	05/10/2017 15:28	NP
Methylcyclohexane	BRL	5.0		ug/L	242315	1	05/10/2017 15:28	NP
Methylene chloride	BRL	5.0		ug/L	242315	1	05/10/2017 15:28	NP
o-Xylene	BRL	5.0		ug/L	242315	1	05/10/2017 15:28	NP

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Analytical Environmental Services, Inc **Date:** 16-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	TRIP BLANK 1
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/5/2017
Lab ID:	1705546-015	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242315	1	05/10/2017 15:28	NP
Tetrachloroethene	BRL	5.0		ug/L	242315	1	05/10/2017 15:28	NP
Toluene	BRL	5.0		ug/L	242315	1	05/10/2017 15:28	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242315	1	05/10/2017 15:28	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242315	1	05/10/2017 15:28	NP
Trichloroethene	BRL	5.0		ug/L	242315	1	05/10/2017 15:28	NP
Trichlorofluoromethane	BRL	5.0		ug/L	242315	1	05/10/2017 15:28	NP
Vinyl chloride	BRL	2.0		ug/L	242315	1	05/10/2017 15:28	NP
Surr: 4-Bromofluorobenzene	79.9	66.1-129		%REC	242315	1	05/10/2017 15:28	NP
Surr: Dibromofluoromethane	107	83.6-123		%REC	242315	1	05/10/2017 15:28	NP
Surr: Toluene-d8	99	81.8-118		%REC	242315	1	05/10/2017 15:28	NP

Qualifiers:

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Analytical Environmental Services, Inc Date: 16-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	TRIP BLANK 2
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/5/2017
Lab ID:	1705546-016	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242315	1	05/10/2017 15:54	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242315	1	05/10/2017 15:54	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	242315	1	05/10/2017 15:54	NP
1,1-Dichloroethane	BRL	5.0		ug/L	242315	1	05/10/2017 15:54	NP
1,1-Dichloroethene	BRL	5.0		ug/L	242315	1	05/10/2017 15:54	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242315	1	05/10/2017 15:54	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242315	1	05/10/2017 15:54	NP
1,2-Dibromoethane	BRL	5.0		ug/L	242315	1	05/10/2017 15:54	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	242315	1	05/10/2017 15:54	NP
1,2-Dichloroethane	BRL	5.0		ug/L	242315	1	05/10/2017 15:54	NP
1,2-Dichloropropane	BRL	5.0		ug/L	242315	1	05/10/2017 15:54	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	242315	1	05/10/2017 15:54	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	242315	1	05/10/2017 15:54	NP
2-Butanone	BRL	50		ug/L	242315	1	05/10/2017 15:54	NP
2-Hexanone	BRL	10		ug/L	242315	1	05/10/2017 15:54	NP
4-Methyl-2-pentanone	BRL	10		ug/L	242315	1	05/10/2017 15:54	NP
Acetone	BRL	50		ug/L	242315	1	05/10/2017 15:54	NP
Benzene	BRL	5.0		ug/L	242315	1	05/10/2017 15:54	NP
Bromodichloromethane	BRL	5.0		ug/L	242315	1	05/10/2017 15:54	NP
Bromoform	BRL	5.0		ug/L	242315	1	05/10/2017 15:54	NP
Bromomethane	BRL	5.0		ug/L	242315	1	05/10/2017 15:54	NP
Carbon disulfide	BRL	5.0		ug/L	242315	1	05/10/2017 15:54	NP
Carbon tetrachloride	BRL	5.0		ug/L	242315	1	05/10/2017 15:54	NP
Chlorobenzene	BRL	5.0		ug/L	242315	1	05/10/2017 15:54	NP
Chloroethane	BRL	10		ug/L	242315	1	05/10/2017 15:54	NP
Chloroform	BRL	5.0		ug/L	242315	1	05/10/2017 15:54	NP
Chloromethane	BRL	10		ug/L	242315	1	05/10/2017 15:54	NP
cis-1,2-Dichloroethene	BRL	5.0		ug/L	242315	1	05/10/2017 15:54	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242315	1	05/10/2017 15:54	NP
Cyclohexane	BRL	5.0		ug/L	242315	1	05/10/2017 15:54	NP
Dibromochloromethane	BRL	5.0		ug/L	242315	1	05/10/2017 15:54	NP
Dichlorodifluoromethane	BRL	10		ug/L	242315	1	05/10/2017 15:54	NP
Ethylbenzene	BRL	5.0		ug/L	242315	1	05/10/2017 15:54	NP
Freon-113	BRL	10		ug/L	242315	1	05/10/2017 15:54	NP
Isopropylbenzene	BRL	5.0		ug/L	242315	1	05/10/2017 15:54	NP
m,p-Xylene	BRL	5.0		ug/L	242315	1	05/10/2017 15:54	NP
Methyl acetate	BRL	5.0		ug/L	242315	1	05/10/2017 15:54	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	242315	1	05/10/2017 15:54	NP
Methylcyclohexane	BRL	5.0		ug/L	242315	1	05/10/2017 15:54	NP
Methylene chloride	BRL	5.0		ug/L	242315	1	05/10/2017 15:54	NP
o-Xylene	BRL	5.0		ug/L	242315	1	05/10/2017 15:54	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 16-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	TRIP BLANK 2
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/5/2017
Lab ID:	1705546-016	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242315	1	05/10/2017 15:54	NP
Tetrachloroethene	BRL	5.0		ug/L	242315	1	05/10/2017 15:54	NP
Toluene	BRL	5.0		ug/L	242315	1	05/10/2017 15:54	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242315	1	05/10/2017 15:54	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242315	1	05/10/2017 15:54	NP
Trichloroethene	BRL	5.0		ug/L	242315	1	05/10/2017 15:54	NP
Trichlorofluoromethane	BRL	5.0		ug/L	242315	1	05/10/2017 15:54	NP
Vinyl chloride	BRL	2.0		ug/L	242315	1	05/10/2017 15:54	NP
Surr: 4-Bromofluorobenzene	78.1	66.1-129		%REC	242315	1	05/10/2017 15:54	NP
Surr: Dibromofluoromethane	110	83.6-123		%REC	242315	1	05/10/2017 15:54	NP
Surr: Toluene-d8	100	81.8-118		%REC	242315	1	05/10/2017 15:54	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 16-May-17

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: RMW-02				**Lab ID:** 1705546-001			
Collection Date: 5/1/2017 10:45:00 AM				**Matrix:** Soil			
METALS, TOTAL SW6010D				**(SW3050B)**			
Barium	86.9		0.0828	5.23	mg/Kg-dry	242449	1
Chromium	3.05		0.0336	2.61	mg/Kg-dry	242449	1
PERCENT MOISTURE D2216							
Percent Moisture	23.0		0	0	wt%	R342850	1
Client Sample ID: RSB-03				**Lab ID:** 1705546-002			
Collection Date: 5/1/2017 3:00:00 PM				**Matrix:** Soil			
DIESEL RANGE ORGANICS SW8015C				**(SW3550C)**			
TPH (Diesel Range Organics)	19		2.6	8.2	mg/Kg-dry	242299	1
METALS, TOTAL SW6010D				**(SW3050B)**			
Barium	54.0		0.0774	4.89	mg/Kg-dry	242449	1
Chromium	9.01		0.0314	2.44	mg/Kg-dry	242449	1
Lead	14.7		0.0661	4.89	mg/Kg-dry	242449	1
PERCENT MOISTURE D2216							
Percent Moisture	18.2		0	0	wt%	R342850	1
Client Sample ID: RSB-02				**Lab ID:** 1705546-003			
Collection Date: 5/1/2017 4:00:00 PM				**Matrix:** Soil			
METALS, TOTAL SW6010D				**(SW3050B)**			
Barium	420		0.0781	4.93	mg/Kg-dry	242449	1
Chromium	21.7		0.0316	2.46	mg/Kg-dry	242449	1
Lead	5.46		0.0666	4.93	mg/Kg-dry	242449	1
PERCENT MOISTURE D2216							
Percent Moisture	26.2		0	0	wt%	R342850	1
Client Sample ID: RSB-01				**Lab ID:** 1705546-004			
Collection Date: 5/1/2017 5:30:00 PM				**Matrix:** Soil			
DIESEL RANGE ORGANICS SW8015C				**(SW3550C)**			
TPH (Diesel Range Organics)	19		2.7	8.3	mg/Kg-dry	242299	1
METALS, TOTAL SW6010D				**(SW3050B)**			
Barium	40.0		0.0705	4.45	mg/Kg-dry	242449	1
Chromium	12.9		0.0286	2.23	mg/Kg-dry	242449	1
Lead	23.2		0.0602	4.45	mg/Kg-dry	242449	1
PERCENT MOISTURE D2216							
Percent Moisture	19.2		0	0	wt%	R342850	1
Client Sample ID: RMW-01				**Lab ID:** 1705546-005			
Collection Date: 5/2/2017 9:15:00 AM				**Matrix:** Soil			
METALS, TOTAL SW6010D				**(SW3050B)**			
Barium	122		0.0740	4.67	mg/Kg-dry	242449	1
Chromium	5.98		0.0300	2.34	mg/Kg-dry	242449	1
Lead	5.99		0.0632	4.67	mg/Kg-dry	242449	1
PERCENT MOISTURE D2216							
Percent Moisture	20.4		0	0	wt%	R342850	1
Client Sample ID: RMW-03				**Lab ID:** 1705546-006			
Collection Date: 5/2/2017 1:15:00 PM				**Matrix:** Soil			

Analytical Environmental Services, Inc

Date: 16-May-17

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: RMW-03				**Lab ID:** 1705546-006			
Collection Date: 5/2/2017 1:15:00 PM				**Matrix:** Soil			
METALS, TOTAL SW6010D				**(SW3050B)**			
Barium	11.2		0.0681	4.30	mg/Kg-dry	242449	1
Chromium	23.0		0.0276	2.15	mg/Kg-dry	242449	1
Lead	4.62		0.0581	4.30	mg/Kg-dry	242449	1
PERCENT MOISTURE D2216							
Percent Moisture	15.8		0	0	wt%	R342850	1
Client Sample ID: RMW-09				**Lab ID:** 1705546-007			
Collection Date: 5/2/2017 4:00:00 PM				**Matrix:** Soil			
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**			
Methyl acetate	45		1.8	3.5	ug/Kg-dry	242311	1
Methyl tert-butyl ether	44		0.81	3.5	ug/Kg-dry	242311	1
METALS, TOTAL SW6010D				**(SW3050B)**			
Barium	132		0.0710	4.48	mg/Kg-dry	242449	1
Chromium	17.9		0.0288	2.24	mg/Kg-dry	242449	1
Lead	9.53		0.0606	4.48	mg/Kg-dry	242449	1
PERCENT MOISTURE D2216							
Percent Moisture	19.1		0	0	wt%	R342850	1
Client Sample ID: RMW-08				**Lab ID:** 1705546-008			
Collection Date: 5/2/2017 5:40:00 PM				**Matrix:** Soil			
METALS, TOTAL SW6010D				**(SW3050B)**			
Barium	13.5		0.0684	4.32	mg/Kg-dry	242449	1
Chromium	28.4		0.0277	2.16	mg/Kg-dry	242449	1
Lead	4.95		0.0584	4.32	mg/Kg-dry	242449	1
PERCENT MOISTURE D2216							
Percent Moisture	14.0		0	0	wt%	R342850	1
Client Sample ID: RMW-07				**Lab ID:** 1705546-009			
Collection Date: 5/3/2017 11:00:00 AM				**Matrix:** Soil			
METALS, TOTAL SW6010D				**(SW3050B)**			
Arsenic	26.5		0.409	4.65	mg/Kg-dry	242449	1
Barium	297		0.0736	4.65	mg/Kg-dry	242449	1
Chromium	13.1		0.0298	2.32	mg/Kg-dry	242449	1
PERCENT MOISTURE D2216							
Percent Moisture	23.4		0	0	wt%	R342850	1
Client Sample ID: RMW-06				**Lab ID:** 1705546-010			
Collection Date: 5/3/2017 2:50:00 PM				**Matrix:** Soil			
METALS, TOTAL SW6010D				**(SW3050B)**			
Barium	157		0.0697	4.40	mg/Kg-dry	242449	1
Chromium	16.7		0.0282	2.20	mg/Kg-dry	242449	1
Lead	6.31		0.0595	4.40	mg/Kg-dry	242449	1
PERCENT MOISTURE D2216							
Percent Moisture	18.7		0	0	wt%	R342850	1
Client Sample ID: RMW-05				**Lab ID:** 1705546-011			
Collection Date: 5/3/2017 5:15:00 PM				**Matrix:** Soil			

Analytical Environmental Services, Inc

Date: 16-May-17

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: RMW-05				**Lab ID:** 1705546-011			
Collection Date: 5/3/2017 5:15:00 PM				**Matrix:** Soil			
METALS, TOTAL SW6010D				**(SW3050B)**			
Barium	27.5		0.0669	4.22	mg/Kg-dry	242449	1
Chromium	16.2		0.0271	2.11	mg/Kg-dry	242449	1
Lead	5.93		0.0571	4.22	mg/Kg-dry	242449	1
PERCENT MOISTURE D2216							
Percent Moisture	14.3		0	0	wt%	R342850	1
Client Sample ID: RMW-04				**Lab ID:** 1705546-012			
Collection Date: 5/4/2017 10:30:00 AM				**Matrix:** Soil			
METALS, TOTAL SW6010D				**(SW3050B)**			
Barium	99.3		0.0701	4.42	mg/Kg-dry	242449	1
Lead	9.66		0.0598	4.42	mg/Kg-dry	242449	1
PERCENT MOISTURE D2216							
Percent Moisture	15.8		0	0	wt%	R342850	1
Client Sample ID: RSB-04				**Lab ID:** 1705546-013			
Collection Date: 5/4/2017 12:30:00 PM				**Matrix:** Soil			
DIESEL RANGE ORGANICS SW8015C				**(SW3550C)**			
TPH (Diesel Range Organics)	12		2.5	7.8	mg/Kg-dry	242339	1
METALS, TOTAL SW6010D				**(SW3050B)**			
Barium	27.8		0.0686	4.33	mg/Kg-dry	242449	1
Chromium	25.8		0.0278	2.17	mg/Kg-dry	242449	1
Lead	9.85		0.0586	4.33	mg/Kg-dry	242449	1
PERCENT MOISTURE D2216							
Percent Moisture	13.7		0	0	wt%	R342850	1
Client Sample ID: DUP-01				**Lab ID:** 1705546-014			
Collection Date: 5/2/2017				**Matrix:** Soil			
METALS, TOTAL SW6010D				**(SW3050B)**			
Barium	273		0.0749	4.73	mg/Kg-dry	242449	1
Chromium	3.41		0.0303	2.36	mg/Kg-dry	242449	1
Lead	16.8		0.0639	4.73	mg/Kg-dry	242449	1
PERCENT MOISTURE D2216							
Percent Moisture	19.3		0	0	wt%	R342850	1

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Clear Save as

ANALYTICAL ENVIRONMENTAL SERVICES, INC. AES

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: **Resolute Env. & Water Resources Consulting, LLC** AES Work Order Number: **1705546**

2. Carrier: FedEx ☐ UPS ■ USPS ☐ Client ☐ Courier ☐ Other _____

		Yes	No	N/A	Details	Comments
3.	Shipping container/cooler received in good condition?	⊙	○	○	damaged ☐ leaking ☐ other ☐	
4.	Custody seals present on shipping container?	⊙	○	○		
5.	Custody seals intact on shipping container?	⊙	○	○		
6.	Temperature blanks present?	⊙	○	○		
7.	Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	⊙	○	○	Cooling initiated for recently collected samples / ice present ☐	
8.	Chain of Custody (COC) present?	⊙	○	○		
9.	Chain of Custody signed, dated, and timed when relinquished and received?	⊙	○	○		
10.	Sampler name and/or signature on COC?	⊙	○	○		
11.	Were all samples received within holding time?	⊙	○	○		
12.	TAT marked on the COC?	⊙	○	○	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. ☐	

13. Cooler 1 Temperature 0.2 °C Cooler 2 Temperature 0.8 °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

14. Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). MJ 5/5/17

		Yes	No	N/A	Details	Comments
16.	Were sample containers intact upon receipt?	⊙	○	○		
17.	Custody seals present on sample containers?	○	⊙	○		
18.	Custody seals intact on sample containers?	○	○	⊙		
19.	Do sample container labels match the COC?	⊙	○	○	incomplete info ☐ illegible ☐ no label ☐ other ☐	
20.	Are analyses requested indicated on the COC?	⊙	○	○		
21.	Were all of the samples listed on the COC received?	⊙	○	○	samples received but not listed on COC ☐ samples listed on COC not received ☐	
22.	Was the sample collection date/time noted?	⊙	○	○		
23.	Did we receive sufficient sample volume for indicated analyses?	⊙	○	○		
24.	Were samples received in appropriate containers?	⊙	○	○		
25.	Were VOA samples received without headspace (< 1/4" bubble)?	⊙	○	○		
26.	Were trip blanks submitted?	⊙	○	○	listed on COC ☐ not listed on COC ■	

27. Comments: _____

I certify that I have completed sections 16-27 (dated initials). BB 5/5/17

		Yes	No	N/A	Details	Comments
28.	Have containers needing chemical preservation been checked?	○	○	⊙		
29.	Containers meet preservation guidelines?	○	○	⊙		
30.	Was pH adjusted?	○	○	⊙		

I certify that I have completed sections 28-30 (dated initials). BB 5/5/17

Locked

Analytical Environmental Services, Inc Date: 16-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705546

ANALYTICAL QC SUMMARY REPORT

BatchID: 242259

Sample ID: **MB-242259** Client ID: Units: **ug/Kg** Prep Date: **05/09/2017** Run No: **342557**
SampleType: **MBLK** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **242259** Analysis Date: **05/09/2017** Seq No: **7506132**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1'-Biphenyl	BRL	330									
2,4,5-Trichlorophenol	BRL	1700									
2,4,6-Trichlorophenol	BRL	330									
2,4-Dichlorophenol	BRL	330									
2,4-Dimethylphenol	BRL	330									
2,4-Dinitrophenol	BRL	1700									
2,4-Dinitrotoluene	BRL	330									
2,6-Dinitrotoluene	BRL	330									
2-Chloronaphthalene	BRL	330									
2-Chlorophenol	BRL	330									
2-Methylnaphthalene	BRL	330									
2-Methylphenol	BRL	330									
2-Nitroaniline	BRL	1700									
2-Nitrophenol	BRL	330									
3,3'-Dichlorobenzidine	BRL	670									
3-Nitroaniline	BRL	1700									
4,6-Dinitro-2-methylphenol	BRL	1700									
4-Bromophenyl phenyl ether	BRL	330									
4-Chloro-3-methylphenol	BRL	330									
4-Chloroaniline	BRL	330									
4-Chlorophenyl phenyl ether	BRL	330									
4-Methylphenol	BRL	330									
4-Nitroaniline	BRL	1700									
4-Nitrophenol	BRL	1700									
Acenaphthene	BRL	330									
Acenaphthylene	BRL	330									
Acetophenone	BRL	330									

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 16-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705546

ANALYTICAL QC SUMMARY REPORT

BatchID: 242259

Sample ID: **MB-242259** Client ID: Units: **ug/Kg** Prep Date: **05/09/2017** Run No: **342557**
SampleType: **MBLK** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **242259** Analysis Date: **05/09/2017** Seq No: **7506132**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Anthracene	BRL	330									
Atrazine	BRL	330									
Benz(a)anthracene	BRL	330									
Benzaldehyde	BRL	330									
Benzo(a)pyrene	BRL	330									
Benzo(b)fluoranthene	BRL	330									
Benzo(g,h,i)perylene	BRL	330									
Benzo(k)fluoranthene	BRL	330									
Bis(2-chloroethoxy)methane	BRL	330									
Bis(2-chloroethyl)ether	BRL	330									
Bis(2-chloroisopropyl)ether	BRL	330									
Bis(2-ethylhexyl)phthalate	BRL	330									
Butyl benzyl phthalate	BRL	330									
Caprolactam	BRL	330									
Carbazole	BRL	330									
Chrysene	BRL	330									
Di-n-butyl phthalate	BRL	330									
Di-n-octyl phthalate	BRL	330									
Dibenz(a,h)anthracene	BRL	330									
Dibenzofuran	BRL	330									
Diethyl phthalate	BRL	330									
Dimethyl phthalate	BRL	330									
Fluoranthene	BRL	330									
Fluorene	BRL	330									
Hexachlorobenzene	BRL	330									
Hexachlorobutadiene	BRL	330									
Hexachlorocyclopentadiene	BRL	660									

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705546

ANALYTICAL QC SUMMARY REPORT

BatchID: 242259

Sample ID: **MB-242259** Client ID: Units: **ug/Kg** Prep Date: **05/09/2017** Run No: **342557**
SampleType: **MBLK** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **242259** Analysis Date: **05/09/2017** Seq No: **7506132**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Hexachloroethane	BRL	330									
Indeno(1,2,3-cd)pyrene	BRL	330									
Isophorone	BRL	330									
N-Nitrosodi-n-propylamine	BRL	330									
N-Nitrosodiphenylamine	BRL	330									
Naphthalene	BRL	330									
Nitrobenzene	BRL	330									
Pentachlorophenol	BRL	1700									
Phenanthrene	BRL	330									
Phenol	BRL	330									
Pyrene	BRL	330									
Surr: 2,4,6-Tribromophenol	2345	0	3333		70.3	46.9	137				
Surr: 2-Fluorobiphenyl	1030	0	1667		61.8	50	115				
Surr: 2-Fluorophenol	2345	0	3333		70.4	41.2	105				
Surr: 4-Terphenyl-d14	1351	0	1667		81.1	51.9	126				
Surr: Nitrobenzene-d5	1152	0	1667		69.1	40.2	113				
Surr: Phenol-d5	2480	0	3333		74.4	45	109				

Sample ID: **LCS-242259** Client ID: Units: **ug/Kg** Prep Date: **05/09/2017** Run No: **342574**
SampleType: **LCS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **242259** Analysis Date: **05/09/2017** Seq No: **7506444**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4-Dinitrotoluene	2550	330	3333		76.5	59.1	124				
2-Chlorophenol	2678	330	3333		80.3	60.1	120				
4-Chloro-3-methylphenol	2576	330	3333		77.3	63.4	117				
4-Nitrophenol	2521	1700	3333		75.6	43.2	120				
Acenaphthene	2694	330	3333		80.8	68	120				
N-Nitrosodi-n-propylamine	2739	330	3333		82.2	60	124				

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705546

ANALYTICAL QC SUMMARY REPORT

BatchID: 242259

Sample ID: **LCS-242259** Client ID: Units: **ug/Kg** Prep Date: **05/09/2017** Run No: **342574**
SampleType: **LCS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **242259** Analysis Date: **05/09/2017** Seq No: **7506444**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pentachlorophenol	2184	1700	3333		65.5	40.5	122				
Phenol	2491	330	3333		74.7	50.1	120				
Pyrene	2899	330	3333		87.0	65	129				
Surr: 2,4,6-Tribromophenol	2883	0	3333		86.5	46.9	137				
Surr: 2-Fluorobiphenyl	1347	0	1667		80.8	50	115				
Surr: 2-Fluorophenol	2692	0	3333		80.8	41.2	105				
Surr: 4-Terphenyl-d14	1528	0	1667		91.7	51.9	126				
Surr: Nitrobenzene-d5	1277	0	1667		76.6	40.2	113				
Surr: Phenol-d5	2964	0	3333		88.9	45	109				

Sample ID: **1705659-004BMS** Client ID: Units: **ug/Kg-dry** Prep Date: **05/09/2017** Run No: **342557**
SampleType: **MS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **242259** Analysis Date: **05/09/2017** Seq No: **7506858**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4-Dinitrotoluene	2656	480	4846		54.8	50.4	120				
2-Chlorophenol	2780	480	4846		57.4	50.1	100				
4-Chloro-3-methylphenol	2885	480	4846		59.5	53.8	120				
4-Nitrophenol	BRL	2500	4846		49.1	31	120				
Acenaphthene	2582	480	4846		53.3	51.1	120				
N-Nitrosodi-n-propylamine	3401	480	4846		70.2	47.6	120				
Pentachlorophenol	2792	2500	4846		57.6	40	131				
Phenol	2632	480	4846		54.3	40.7	120				
Pyrene	3000	480	4846		61.9	48.1	123				
Surr: 2,4,6-Tribromophenol	2785	0	4846		57.5	46.9	137				
Surr: 2-Fluorobiphenyl	1264	0	2423		52.2	50	115				
Surr: 2-Fluorophenol	2879	0	4846		59.4	41.2	105				
Surr: 4-Terphenyl-d14	1576	0	2423		65.1	51.9	126				
Surr: Nitrobenzene-d5	1405	0	2423		58.0	40.2	113				

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705546

ANALYTICAL QC SUMMARY REPORT

BatchID: 242259

Sample ID: **1705659-004BMS** Client ID: Units: **ug/Kg-dry** Prep Date: **05/09/2017** Run No: **342557**
SampleType: **MS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **242259** Analysis Date: **05/09/2017** Seq No: **7506858**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Phenol-d5	2964	0	4846		61.2	45	109				

Sample ID: **1705659-004BMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **05/09/2017** Run No: **342557**
SampleType: **MSD** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **242259** Analysis Date: **05/09/2017** Seq No: **7506860**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4-Dinitrotoluene	2978	480	4846		61.5	50.4	120	2656	11.4	35.2	
2-Chlorophenol	3125	480	4846		64.5	50.1	100	2780	11.7	25.9	
4-Chloro-3-methylphenol	3034	480	4846		62.6	53.8	120	2885	5.06	25	
4-Nitrophenol	2764	2500	4846		57.0	31	120	2377	15.0	28.4	
Acenaphthene	2743	480	4846		56.6	51.1	120	2582	6.06	25.9	
N-Nitrosodi-n-propylamine	3498	480	4846		72.2	47.6	120	3401	2.81	23.9	
Pentachlorophenol	3203	2500	4846		66.1	40	131	2792	13.7	48.3	
Phenol	2875	480	4846		59.3	40.7	120	2632	8.83	28.7	
Pyrene	3369	480	4846		69.5	48.1	123	3000	11.6	23.9	
Surr: 2,4,6-Tribromophenol	3187	0	4846		65.8	46.9	137	2785	0	0	
Surr: 2-Fluorobiphenyl	1348	0	2423		55.6	50	115	1264	0	0	
Surr: 2-Fluorophenol	3276	0	4846		67.6	41.2	105	2879	0	0	
Surr: 4-Terphenyl-d14	1769	0	2423		73.0	51.9	126	1576	0	0	
Surr: Nitrobenzene-d5	1515	0	2423		62.5	40.2	113	1405	0	0	
Surr: Phenol-d5	3236	0	4846		66.8	45	109	2964	0	0	

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 16-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705546

ANALYTICAL QC SUMMARY REPORT

BatchID: 242299

Sample ID: **MB-242299** Client ID: Units: **mg/Kg** Prep Date: **05/10/2017** Run No: **342673**
SampleType: **MBLK** TestCode: **DIESEL RANGE ORGANICS SW8015C** BatchID: **242299** Analysis Date: **05/10/2017** Seq No: **7510175**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
TPH (Diesel Range Organics)	BRL	6.7									
Surr: Dioctylphthalate	2.688	0	3.300		81.5	54.5	121				

Sample ID: **LCS-242299** Client ID: Units: **mg/Kg** Prep Date: **05/10/2017** Run No: **342673**
SampleType: **LCS** TestCode: **DIESEL RANGE ORGANICS SW8015C** BatchID: **242299** Analysis Date: **05/10/2017** Seq No: **7510176**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
TPH (Diesel Range Organics)	30.33	6.7	33.30		91.1	54.6	120				
Surr: Dioctylphthalate	2.742	0	3.330		82.3	54.5	121				

Sample ID: **1705494-004BMS** Client ID: **MW-2/S-5** Units: **mg/Kg-dry** Prep Date: **05/10/2017** Run No: **342673**
SampleType: **MS** TestCode: **DIESEL RANGE ORGANICS SW8015C** BatchID: **242299** Analysis Date: **05/10/2017** Seq No: **7512789**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
TPH (Diesel Range Organics)	42.17	8.3	41.12		103	40.6	122				
Surr: Dioctylphthalate	3.699	0	4.112		90.0	54.5	121				

Sample ID: **1705494-004BMSD** Client ID: **MW-2/S-5** Units: **mg/Kg-dry** Prep Date: **05/10/2017** Run No: **342673**
SampleType: **MSD** TestCode: **DIESEL RANGE ORGANICS SW8015C** BatchID: **242299** Analysis Date: **05/10/2017** Seq No: **7512790**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
TPH (Diesel Range Organics)	40.32	8.3	41.12		98.1	40.6	122	42.17	4.47	29.9	
Surr: Dioctylphthalate	3.689	0	4.112		89.7	54.5	121	3.699	0	0	

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 16-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705546

ANALYTICAL QC SUMMARY REPORT

BatchID: 242311

Sample ID: **MB-242311** Client ID: Units: **ug/Kg** Prep Date: **05/08/2017** Run No: **342541**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242311** Analysis Date: **05/08/2017** Seq No: **7505732**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	100									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	10									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Analytical Environmental Services, Inc

Date: 16-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705546

ANALYTICAL QC SUMMARY REPORT

BatchID: 242311

Sample ID: **MB-242311** Client ID: Units: **ug/Kg** Prep Date: **05/08/2017** Run No: **342541**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242311** Analysis Date: **05/08/2017** Seq No: **7505732**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	20									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	10									
Surr: 4-Bromofluorobenzene	39.08	0	50.00		78.2	63	125				
Surr: Dibromofluoromethane	44.34	0	50.00		88.7	69.9	123				
Surr: Toluene-d8	45.34	0	50.00		90.7	70	122				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Analytical Environmental Services, Inc

Date: 16-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705546

ANALYTICAL QC SUMMARY REPORT

BatchID: 242311

Sample ID: **LCS-242311** Client ID: Units: **ug/Kg** Prep Date: **05/08/2017** Run No: **342541**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242311** Analysis Date: **05/08/2017** Seq No: **7505729**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	38.65	5.0	50.00		77.3	62	142				
Benzene	43.46	5.0	50.00		86.9	70.2	131				
Chlorobenzene	42.55	5.0	50.00		85.1	72.9	129				
Toluene	40.88	5.0	50.00		81.8	70.6	131				
Trichloroethene	42.53	5.0	50.00		85.1	70.1	136				
Surr: 4-Bromofluorobenzene	41.80	0	50.00		83.6	63	125				
Surr: Dibromofluoromethane	44.90	0	50.00		89.8	69.9	123				
Surr: Toluene-d8	43.33	0	50.00		86.7	70	122				

Sample ID: **1705546-001AMS** Client ID: **RMW-02** Units: **ug/Kg-dry** Prep Date: **05/08/2017** Run No: **342740**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242311** Analysis Date: **05/10/2017** Seq No: **7511389**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	67.08	6.5	64.90		103	55	143				
Benzene	66.71	6.5	64.90		103	68.5	128				
Chlorobenzene	63.17	6.5	64.90		97.3	67.7	126				
Toluene	67.95	6.5	64.90		105	66.9	128				
Trichloroethene	65.85	6.5	64.90		101	60.7	133				
Surr: 4-Bromofluorobenzene	64.78	0	64.90		99.8	63	125				
Surr: Dibromofluoromethane	66.53	0	64.90		103	69.9	123				
Surr: Toluene-d8	63.74	0	64.90		98.2	70	122				

Sample ID: **1705546-001AMSD** Client ID: **RMW-02** Units: **ug/Kg-dry** Prep Date: **05/08/2017** Run No: **342740**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242311** Analysis Date: **05/10/2017** Seq No: **7511390**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	73.57	6.5	64.90		113	55	143	67.08	9.23	19.3	
Benzene	69.28	6.5	64.90		107	68.5	128	66.71	3.78	20	

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 16-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705546

ANALYTICAL QC SUMMARY REPORT

BatchID: 242311

Sample ID: **1705546-001AMSD** Client ID: **RMW-02** Units: **ug/Kg-dry** Prep Date: **05/08/2017** Run No: **342740**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242311** Analysis Date: **05/10/2017** Seq No: **7511390**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	63.70	6.5	64.90		98.2	67.7	126	63.17	0.839	20	
Toluene	70.71	6.5	64.90		109	66.9	128	67.95	3.99	20	
Trichloroethene	66.88	6.5	64.90		103	60.7	133	65.85	1.56	20	
Surr: 4-Bromofluorobenzene	65.46	0	64.90		101	63	125	64.78	0	0	
Surr: Dibromofluoromethane	67.47	0	64.90		104	69.9	123	66.53	0	0	
Surr: Toluene-d8	65.97	0	64.90		102	70	122	63.74	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Analytical Environmental Services, Inc

Date: 16-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705546

ANALYTICAL QC SUMMARY REPORT

BatchID: 242313

Sample ID: **MB-242313**	Client ID:	Units: **ug/Kg**	Prep Date: **05/10/2017**	Run No: **342690**
SampleType: **MBLK**	TestCode: **TCL VOLATILE ORGANICS SW8260B**	BatchID: **242313**	Analysis Date: **05/10/2017**	Seq No: **7509858**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	100									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	10									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Analytical Environmental Services, Inc

Date: 16-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705546

ANALYTICAL QC SUMMARY REPORT

BatchID: 242313

Sample ID: **MB-242313**	Client ID:	Units: **ug/Kg**	Prep Date: **05/10/2017**	Run No: **342690**
SampleType: **MBLK**	TestCode: **TCL VOLATILE ORGANICS SW8260B**	BatchID: **242313**	Analysis Date: **05/10/2017**	Seq No: **7509858**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	20									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	10									
Surr: 4-Bromofluorobenzene	33.81	0	50.00		67.6	63	125				
Surr: Dibromofluoromethane	42.98	0	50.00		86.0	69.9	123				
Surr: Toluene-d8	40.83	0	50.00		81.7	70	122				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Analytical Environmental Services, Inc

Date: 16-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705546

ANALYTICAL QC SUMMARY REPORT

BatchID: 242313

Sample ID: **LCS-242313** Client ID: Units: **ug/Kg** Prep Date: **05/10/2017** Run No: **342690**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242313** Analysis Date: **05/10/2017** Seq No: **7510235**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	45.42	5.0	50.00		90.8	62	142				
Benzene	54.01	5.0	50.00		108	70.2	131				
Chlorobenzene	48.93	5.0	50.00		97.9	72.9	129				
Toluene	46.49	5.0	50.00		93.0	70.6	131				
Trichloroethene	55.62	5.0	50.00		111	70.1	136				
Surr: 4-Bromofluorobenzene	38.82	0	50.00		77.6	63	125				
Surr: Dibromofluoromethane	46.77	0	50.00		93.5	69.9	123				
Surr: Toluene-d8	43.30	0	50.00		86.6	70	122				

Sample ID: **1705811-002AMS** Client ID: Units: **ug/Kg-dry** Prep Date: **05/10/2017** Run No: **342835**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242313** Analysis Date: **05/11/2017** Seq No: **7515649**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	66.08	5.7	57.47		115	55	143				
Benzene	62.89	5.7	57.47		109	68.5	128				
Chlorobenzene	59.41	5.7	57.47		103	67.7	126				
Toluene	64.46	5.7	57.47		112	66.9	128				
Trichloroethene	61.68	5.7	57.47		107	60.7	133				
Surr: 4-Bromofluorobenzene	58.07	0	57.47		101	63	125				
Surr: Dibromofluoromethane	58.75	0	57.47		102	69.9	123				
Surr: Toluene-d8	57.85	0	57.47		101	70	122				

Sample ID: **1705811-002AMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **05/10/2017** Run No: **342835**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242313** Analysis Date: **05/11/2017** Seq No: **7515653**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	77.16	5.7	57.47		134	55	143	66.08	15.5	19.3	
Benzene	56.67	5.7	57.47		98.6	68.5	128	62.89	10.4	20	

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 16-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705546

ANALYTICAL QC SUMMARY REPORT

BatchID: 242313

Sample ID: **1705811-002AMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **05/10/2017** Run No: **342835**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242313** Analysis Date: **05/11/2017** Seq No: **7515653**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	53.77	5.7	57.47		93.6	67.7	126	59.41	9.97	20	
Toluene	57.52	5.7	57.47		100	66.9	128	64.46	11.4	20	
Trichloroethene	54.38	5.7	57.47		94.6	60.7	133	61.68	12.6	20	
Surr: 4-Bromofluorobenzene	57.86	0	57.47		101	63	125	58.07	0	0	
Surr: Dibromofluoromethane	59.37	0	57.47		103	69.9	123	58.75	0	0	
Surr: Toluene-d8	56.95	0	57.47		99.1	70	122	57.85	0	0	

Qualifiers

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Analytical Environmental Services, Inc

Date: 16-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705546

ANALYTICAL QC SUMMARY REPORT

BatchID: 242315

Sample ID: **MB-242315**	Client ID:	Units: **ug/L**	Prep Date: **05/09/2017**	Run No: **342562**
SampleType: **MBLK**	TestCode: **TCL VOLATILE ORGANICS SW8260B**	BatchID: **242315**	Analysis Date: **05/09/2017**	Seq No: **7506097**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	50									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Analytical Environmental Services, Inc

Date: 16-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705546

ANALYTICAL QC SUMMARY REPORT

BatchID: 242315

Sample ID: **MB-242315**	Client ID:	Units: **ug/L**	Prep Date: **05/09/2017**	Run No: **342562**
SampleType: **MBLK**	TestCode: **TCL VOLATILE ORGANICS SW8260B**	BatchID: **242315**	Analysis Date: **05/09/2017**	Seq No: **7506097**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	2.0									
Surr: 4-Bromofluorobenzene	38.48	0	50.00		77.0	66.1	129				
Surr: Dibromofluoromethane	55.04	0	50.00		110	83.6	123				
Surr: Toluene-d8	49.33	0	50.00		98.7	81.8	118				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Analytical Environmental Services, Inc

Date: 16-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705546

ANALYTICAL QC SUMMARY REPORT

BatchID: 242315

Sample ID: **LCS-242315** Client ID: Units: **ug/L** Prep Date: **05/09/2017** Run No: **342562**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242315** Analysis Date: **05/09/2017** Seq No: **7506103**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	45.95	5.0	50.00		91.9	68	139				
Benzene	47.34	5.0	50.00		94.7	74	125				
Chlorobenzene	46.19	5.0	50.00		92.4	75.7	123				
Toluene	47.18	5.0	50.00		94.4	75.9	126				
Trichloroethene	43.68	5.0	50.00		87.4	70.6	129				
Surr: 4-Bromofluorobenzene	41.10	0	50.00		82.2	66.1	129				
Surr: Dibromofluoromethane	52.02	0	50.00		104	83.6	123				
Surr: Toluene-d8	48.99	0	50.00		98.0	81.8	118				

Sample ID: **1705672-006AMS** Client ID: Units: **ug/L** Prep Date: **05/09/2017** Run No: **342562**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242315** Analysis Date: **05/09/2017** Seq No: **7508922**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	67.81	5.0	50.00		136	64.3	149				
Benzene	48.64	5.0	50.00		97.3	71.6	132				
Chlorobenzene	49.52	5.0	50.00		99.0	73.1	126				
Toluene	53.98	5.0	50.00		108	72.5	135				
Trichloroethene	45.67	5.0	50.00		91.3	70.2	132				
Surr: 4-Bromofluorobenzene	37.83	0	50.00		75.7	66.1	129				
Surr: Dibromofluoromethane	53.75	0	50.00		108	83.6	123				
Surr: Toluene-d8	52.32	0	50.00		105	81.8	118				

Sample ID **1705672-006AMSD** Client ID: Units: **ug/L** Prep Date: **05/09/2017** Run No: **342562**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242315** Analysis Date: **05/09/2017** Seq No: **7508923**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	65.61	5.0	50.00		131	64.3	149	67.81	3.30	30.8	
Benzene	49.01	5.0	50.00		98.0	71.6	132	48.64	0.758	20.7	

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Analytical Environmental Services, Inc Date: 16-May-17

Client: Resolute Env & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705546

ANALYTICAL QC SUMMARY REPORT

BatchID: 242315

Sample ID: **1705672-006AMSD** Client ID: Units: **ug/L** Prep Date: **05/09/2017** Run No: **342562**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242315** Analysis Date: **05/09/2017** Seq No: **7508923**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	49.07	5.0	50.00		98.1	73.1	126	49.52	0.913	26.6	
Toluene	51.11	5.0	50.00		102	72.5	135	53.98	5.46	23.2	
Trichloroethene	44.66	5.0	50.00		89.3	70.2	132	45.67	2.24	27.7	
Surr: 4-Bromofluorobenzene	37.75	0	50.00		75.5	66.1	129	37.83	0	0	
Surr: Dibromofluoromethane	54.61	0	50.00		109	83.6	123	53.75	0	0	
Surr: Toluene-d8	50.83	0	50.00		102	81.8	118	52.32	0	0	

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 16-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705546

ANALYTICAL QC SUMMARY REPORT

BatchID: 242339

Sample ID: **MB-242339** Client ID: Units: **mg/Kg** Prep Date: **05/10/2017** Run No: **342673**
SampleType: **MBLK** TestCode: **DIESEL RANGE ORGANICS SW8015C** BatchID: **242339** Analysis Date: **05/10/2017** Seq No: **7512784**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
TPH (Diesel Range Organics)	BRL	6.7									
Surr: Dioctylphthalate	2.986	0	3.300		90.5	54.5	121				

Sample ID: **LCS-242339** Client ID: Units: **mg/Kg** Prep Date: **05/10/2017** Run No: **342673**
SampleType: **LCS** TestCode: **DIESEL RANGE ORGANICS SW8015C** BatchID: **242339** Analysis Date: **05/10/2017** Seq No: **7512785**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
TPH (Diesel Range Organics)	32.42	6.7	33.30		97.3	54.6	120				
Surr: Dioctylphthalate	3.019	0	3.330		90.7	54.5	121				

Sample ID: **1705831-001CMS** Client ID: Units: **mg/Kg-dry** Prep Date: **05/10/2017** Run No: **342673**
SampleType: **MS** TestCode: **DIESEL RANGE ORGANICS SW8015C** BatchID: **242339** Analysis Date: **05/11/2017** Seq No: **7513352**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Dioctylphthalate	3.958	0	3.795		104	54.5	121				

Sample ID: **1705831-001CMS** Client ID: Units: **mg/Kg-dry** Prep Date: **05/10/2017** Run No: **342673**
SampleType: **MS** TestCode: **DIESEL RANGE ORGANICS SW8015C** BatchID: **242339** Analysis Date: **05/11/2017** Seq No: **7513353**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
TPH (Diesel Range Organics)	475.6	76	37.95	372.8	271	40.6	122				S

Sample ID: **1705831-001CMSD** Client ID: Units: **mg/Kg-dry** Prep Date: **05/10/2017** Run No: **342673**
SampleType: **MSD** TestCode: **DIESEL RANGE ORGANICS SW8015C** BatchID: **242339** Analysis Date: **05/11/2017** Seq No: **7513354**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
TPH (Diesel Range Organics)	240.4	7.6	37.95	372.8	-349	40.6	122	475.6	65.7	29.9	SR
Surr: Dioctylphthalate	3.717	0	3.795		97.9	54.5	121	3.470	0	0	

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705546

ANALYTICAL QC SUMMARY REPORT

BatchID: 242340

Sample ID: **MB-242340** Client ID: Units: **ug/Kg** Prep Date: **05/10/2017** Run No: **342728**
SampleType: **MBLK** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **242340** Analysis Date: **05/10/2017** Seq No: **7510721**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1'-Biphenyl	BRL	330									
2,4,5-Trichlorophenol	BRL	1700									
2,4,6-Trichlorophenol	BRL	330									
2,4-Dichlorophenol	BRL	330									
2,4-Dimethylphenol	BRL	330									
2,4-Dinitrophenol	BRL	1700									
2,4-Dinitrotoluene	BRL	330									
2,6-Dinitrotoluene	BRL	330									
2-Chloronaphthalene	BRL	330									
2-Chlorophenol	BRL	330									
2-Methylnaphthalene	BRL	330									
2-Methylphenol	BRL	330									
2-Nitroaniline	BRL	1700									
2-Nitrophenol	BRL	330									
3,3'-Dichlorobenzidine	BRL	670									
3-Nitroaniline	BRL	1700									
4,6-Dinitro-2-methylphenol	BRL	1700									
4-Bromophenyl phenyl ether	BRL	330									
4-Chloro-3-methylphenol	BRL	330									
4-Chloroaniline	BRL	330									
4-Chlorophenyl phenyl ether	BRL	330									
4-Methylphenol	BRL	330									
4-Nitroaniline	BRL	1700									
4-Nitrophenol	BRL	1700									
Acenaphthene	BRL	330									
Acenaphthylene	BRL	330									
Acetophenone	BRL	330									

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 16-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705546

ANALYTICAL QC SUMMARY REPORT

BatchID: 242340

Sample ID: **MB-242340** Client ID:
SampleType: **MBLK** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D**
Units: **ug/Kg** BatchID: **242340**
Prep Date: **05/10/2017** Analysis Date: **05/10/2017**
Run No: **342728** Seq No: **7510721**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Anthracene	BRL	330									
Atrazine	BRL	330									
Benz(a)anthracene	BRL	330									
Benzaldehyde	BRL	330									
Benzo(a)pyrene	BRL	330									
Benzo(b)fluoranthene	BRL	330									
Benzo(g,h,i)perylene	BRL	330									
Benzo(k)fluoranthene	BRL	330									
Bis(2-chloroethoxy)methane	BRL	330									
Bis(2-chloroethyl)ether	BRL	330									
Bis(2-chloroisopropyl)ether	BRL	330									
Bis(2-ethylhexyl)phthalate	BRL	330									
Butyl benzyl phthalate	BRL	330									
Caprolactam	BRL	330									
Carbazole	BRL	330									
Chrysene	BRL	330									
Di-n-butyl phthalate	BRL	330									
Di-n-octyl phthalate	BRL	330									
Dibenz(a,h)anthracene	BRL	330									
Dibenzofuran	BRL	330									
Diethyl phthalate	BRL	330									
Dimethyl phthalate	BRL	330									
Fluoranthene	BRL	330									
Fluorene	BRL	330									
Hexachlorobenzene	BRL	330									
Hexachlorobutadiene	BRL	330									
Hexachlorocyclopentadiene	BRL	660									

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705546

ANALYTICAL QC SUMMARY REPORT

BatchID: 242340

Sample ID: **MB-242340** Client ID: Units: **ug/Kg** Prep Date: **05/10/2017** Run No: **342728**
SampleType: **MBLK** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **242340** Analysis Date: **05/10/2017** Seq No: **7510721**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Hexachloroethane	BRL	330									
Indeno(1,2,3-cd)pyrene	BRL	330									
Isophorone	BRL	330									
N-Nitrosodi-n-propylamine	BRL	330									
N-Nitrosodiphenylamine	BRL	330									
Naphthalene	BRL	330									
Nitrobenzene	BRL	330									
Pentachlorophenol	BRL	1700									
Phenanthrene	BRL	330									
Phenol	BRL	330									
Pyrene	BRL	330									
Surr: 2,4,6-Tribromophenol	2435	0	3333		73.1	46.9	137				
Surr: 2-Fluorobiphenyl	1120	0	1667		67.2	50	115				
Surr: 2-Fluorophenol	2457	0	3333		73.7	41.2	105				
Surr: 4-Terphenyl-d14	1495	0	1667		89.7	51.9	126				
Surr: Nitrobenzene-d5	1205	0	1667		72.3	40.2	113				
Surr: Phenol-d5	2572	0	3333		77.2	45	109				

Sample ID: **LCS-242340** Client ID: Units: **ug/Kg** Prep Date: **05/10/2017** Run No: **342728**
SampleType: **LCS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **242340** Analysis Date: **05/10/2017** Seq No: **7510722**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4-Dinitrotoluene	2513	330	3333		75.4	59.1	124				
2-Chlorophenol	2588	330	3333		77.6	60.1	120				
4-Chloro-3-methylphenol	2684	330	3333		80.5	63.4	117				
4-Nitrophenol	2101	1700	3333		63.0	43.2	120				
Acenaphthene	2433	330	3333		73.0	68	120				
N-Nitrosodi-n-propylamine	3068	330	3333		92.0	60	124				

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 16-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705546

ANALYTICAL QC SUMMARY REPORT

BatchID: 242340

Sample ID: **LCS-242340** Client ID:
SampleType: **LCS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D**
Units: **ug/Kg** Prep Date: **05/10/2017** Run No: **342728**
BatchID: **242340** Analysis Date: **05/10/2017** Seq No: **7510722**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pentachlorophenol	2471	1700	3333		74.1	40.5	122				
Phenol	2439	330	3333		73.2	50.1	120				
Pyrene	3010	330	3333		90.3	65	129				
Surr: 2,4,6-Tribromophenol	2743	0	3333		82.3	46.9	137				
Surr: 2-Fluorobiphenyl	1226	0	1667		73.5	50	115				
Surr: 2-Fluorophenol	2699	0	3333		81.0	41.2	105				
Surr: 4-Terphenyl-d14	1599	0	1667		96.0	51.9	126				
Surr: Nitrobenzene-d5	1360	0	1667		81.6	40.2	113				
Surr: Phenol-d5	2778	0	3333		83.3	45	109				

Sample ID: **1705860-001BMS** Client ID:
SampleType: **MS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D**
Units: **ug/Kg-dry** Prep Date: **05/10/2017** Run No: **342728**
BatchID: **242340** Analysis Date: **05/10/2017** Seq No: **7513114**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4-Dinitrotoluene	2369	380	3882		61.0	50.4	120				
2-Chlorophenol	2507	380	3882		64.6	50.1	100				
4-Chloro-3-methylphenol	2486	380	3882		64.0	53.8	120				
4-Nitrophenol	BRL	2000	3882		49.8	31	120				
Acenaphthene	2342	380	3882		60.3	51.1	120				
N-Nitrosodi-n-propylamine	2962	380	3882		76.3	47.6	120				
Pentachlorophenol	2294	2000	3882		59.1	40	131				
Phenol	2361	380	3882		60.8	40.7	120				
Pyrene	2740	380	3882		70.6	48.1	123				
Surr: 2,4,6-Tribromophenol	2467	0	3882		63.5	46.9	137				
Surr: 2-Fluorobiphenyl	1171	0	1941		60.3	50	115				
Surr: 2-Fluorophenol	2520	0	3882		64.9	41.2	105				
Surr: 4-Terphenyl-d14	1419	0	1941		73.1	51.9	126				
Surr: Nitrobenzene-d5	1216	0	1941		62.6	40.2	113				

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705546

ANALYTICAL QC SUMMARY REPORT

BatchID: 242340

Sample ID: **1705860-001BMS** Client ID: Units: **ug/Kg-dry** Prep Date: **05/10/2017** Run No: **342728**
SampleType: **MS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **242340** Analysis Date: **05/10/2017** Seq No: **7513114**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Phenol-d5	2631	0	3882		67.8	45	109				

Sample ID: **1705860-001BMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **05/10/2017** Run No: **342728**
SampleType: **MSD** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **242340** Analysis Date: **05/10/2017** Seq No: **7513115**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4-Dinitrotoluene	2630	380	3882		67.8	50.4	120	2369	10.5	35.2	
2-Chlorophenol	2527	380	3882		65.1	50.1	100	2507	0.802	25.9	
4-Chloro-3-methylphenol	2764	380	3882		71.2	53.8	120	2486	10.6	25	
4-Nitrophenol	2319	2000	3882		59.7	31	120	1932	18.2	28.4	
Acenaphthene	2499	380	3882		64.4	51.1	120	2342	6.50	25.9	
N-Nitrosodi-n-propylamine	3179	380	3882		81.9	47.6	120	2962	7.06	23.9	
Pentachlorophenol	2744	2000	3882		70.7	40	131	2294	17.9	48.3	
Phenol	2418	380	3882		62.3	40.7	120	2361	2.40	28.7	
Pyrene	3111	380	3882		80.1	48.1	123	2740	12.7	23.9	
Surr: 2,4,6-Tribromophenol	2757	0	3882		71.0	46.9	137	2467	0	0	
Surr: 2-Fluorobiphenyl	1197	0	1941		61.7	50	115	1171	0	0	
Surr: 2-Fluorophenol	2529	0	3882		65.1	41.2	105	2520	0	0	
Surr: 4-Terphenyl-d14	1592	0	1941		82.0	51.9	126	1419	0	0	
Surr: Nitrobenzene-d5	1285	0	1941		66.2	40.2	113	1216	0	0	
Surr: Phenol-d5	2694	0	3882		69.4	45	109	2631	0	0	

Qualifiers:
- > Greater than Result value
- BRL Below reporting limit
- J Estimated value detected below Reporting Limit
- Rpt Lim Reporting Limit
- < Less than Result value
- E Estimated (value above quantitation range)
- N Analyte not NELAC certified
- S Spike Recovery outside limits due to matrix
- B Analyte detected in the associated method blank
- H Holding times for preparation or analysis exceeded
- R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 16-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705546

ANALYTICAL QC SUMMARY REPORT

BatchID: 242415

Sample ID: **MB-242415** Client ID:
SampleType: **MBLK** TestCode: **TOTAL MERCURY SW7471B**
Units: **mg/Kg** Prep Date: **05/11/2017** Run No: **343084**
BatchID: **242415** Analysis Date: **05/12/2017** Seq No: **7520466**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	BRL	0.100									

Sample ID: **LCS-242415** Client ID:
SampleType: **LCS** TestCode: **TOTAL MERCURY SW7471B**
Units: **mg/Kg** Prep Date: **05/11/2017** Run No: **343084**
BatchID: **242415** Analysis Date: **05/12/2017** Seq No: **7520467**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.4629	0.100	0.4000		116	80	120				

Sample ID: **1705546-011CMS** Client ID: **RMW-05**
SampleType: **MS** TestCode: **TOTAL MERCURY SW7471B**
Units: **mg/Kg-dry** Prep Date: **05/11/2017** Run No: **343084**
BatchID: **242415** Analysis Date: **05/12/2017** Seq No: **7520471**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.5339	0.109	0.4361	0.01945	118	70	130				

Sample ID: **1705546-011CMSD** Client ID: **RMW-05**
SampleType: **MSD** TestCode: **TOTAL MERCURY SW7471B**
Units: **mg/Kg-dry** Prep Date: **05/11/2017** Run No: **343084**
BatchID: **242415** Analysis Date: **05/12/2017** Seq No: **7520472**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.5360	0.109	0.4353	0.01945	119	70	130	0.5339	0.396	30	

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705546

ANALYTICAL QC SUMMARY REPORT

BatchID: 242449

Sample ID: **MB-242449** Client ID: Units: **mg/Kg** Prep Date: **05/11/2017** Run No: **342882**
SampleType: **MBLK** TestCode: **METALS, TOTAL SW6010D** BatchID: **242449** Analysis Date: **05/11/2017** Seq No: **7515214**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	5.00									
Barium	BRL	5.00									
Cadmium	BRL	2.50									
Chromium	BRL	2.50									
Lead	BRL	5.00									
Selenium	BRL	5.00									
Silver	BRL	2.50									

Sample ID: **LCS-242449** Client ID: Units: **mg/Kg** Prep Date: **05/11/2017** Run No: **342882**
SampleType: **LCS** TestCode: **METALS, TOTAL SW6010D** BatchID: **242449** Analysis Date: **05/11/2017** Seq No: **7515215**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	46.04	5.00	50.00		92.1	80	120				
Barium	47.33	5.00	50.00		94.7	80	120				
Cadmium	46.36	2.50	50.00		92.7	80	120				
Chromium	47.50	2.50	50.00	0.07936	94.8	80	120				
Lead	47.23	5.00	50.00		94.5	80	120				
Selenium	45.79	5.00	50.00		91.6	80	120				
Silver	4.615	2.50	5.000		92.3	80	120				

Sample ID: **1705546-001CMS** Client ID: **RMW-02** Units: **mg/Kg-dry** Prep Date: **05/11/2017** Run No: **342882**
SampleType: **MS** TestCode: **METALS, TOTAL SW6010D** BatchID: **242449** Analysis Date: **05/11/2017** Seq No: **7515219**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	43.88	5.23	52.30		83.9	75	125				
Barium	132.8	5.23	52.30	86.92	87.7	75	125				
Cadmium	46.87	2.61	52.30		89.6	75	125				
Chromium	49.62	2.61	52.30	3.054	89.0	75	125				

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 16-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705546

ANALYTICAL QC SUMMARY REPORT

BatchID: 242449

Sample ID: **1705546-001CMS** Client ID: **RMW-02** Units: **mg/Kg-dry** Prep Date: **05/11/2017** Run No: **342882**
SampleType: **MS** TestCode: **METALS, TOTAL SW6010D** BatchID: **242449** Analysis Date: **05/11/2017** Seq No: **7515219**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	45.44	5.23	52.30	1.432	84.2	75	125				
Selenium	44.17	5.23	52.30		84.5	75	125				
Silver	4.391	2.61	5.230		84.0	75	125				

Sample ID: **1705546-001CMSD** Client ID: **RMW-02** Units: **mg/Kg-dry** Prep Date: **05/11/2017** Run No: **342882**
SampleType: **MSD** TestCode: **METALS, TOTAL SW6010D** BatchID: **242449** Analysis Date: **05/11/2017** Seq No: **7515220**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	43.18	5.23	52.30		82.6	75	125	43.88	1.60	20	
Barium	131.5	5.23	52.30	86.92	85.3	75	125	132.8	0.950	20	
Cadmium	46.55	2.61	52.30		89.0	75	125	46.87	0.695	20	
Chromium	49.35	2.61	52.30	3.054	88.5	75	125	49.62	0.537	20	
Lead	44.70	5.23	52.30	1.432	82.7	75	125	45.44	1.64	20	
Selenium	44.11	5.23	52.30		84.3	75	125	44.17	0.126	20	
Silver	4.345	2.61	5.230		83.1	75	125	4.391	1.05	20	

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705546

ANALYTICAL QC SUMMARY REPORT

BatchID: 242623

Sample ID: **MB-242623** Client ID: Units: **mg/Kg** Prep Date: **05/14/2017** Run No: **343066**
SampleType: **MBLK** TestCode: **GASOLINE RANGE ORGANICS SW8015C** BatchID: **242623** Analysis Date: **05/14/2017** Seq No: **7519993**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
TPH (Gasoline Range Organics)	BRL	0.50									
Surr: a,a,a-trifluorotoluene	0.04789	0	0.0500		95.8	70.1	136				

Sample ID: **LCS-242623** Client ID: Units: **mg/Kg** Prep Date: **05/14/2017** Run No: **343066**
SampleType: **LCS** TestCode: **GASOLINE RANGE ORGANICS SW8015C** BatchID: **242623** Analysis Date: **05/14/2017** Seq No: **7519988**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
TPH (Gasoline Range Organics)	1.263	0.50	1.000		126	60.4	129				
Surr: a,a,a-trifluorotoluene	0.05842	0	0.0500		117	70.1	136				

Sample ID: **1705546-001AMS** Client ID: **RMW-02** Units: **mg/Kg-dry** Prep Date: **05/14/2017** Run No: **343066**
SampleType: **MS** TestCode: **GASOLINE RANGE ORGANICS SW8015C** BatchID: **242623** Analysis Date: **05/14/2017** Seq No: **7519989**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
TPH (Gasoline Range Organics)	1.490	0.65	1.298		115	50.7	128				
Surr: a,a,a-trifluorotoluene	0.07758	0	0.0649		120	70.1	136				

Sample ID: **1705546-001AMSD** Client ID: **RMW-02** Units: **mg/Kg-dry** Prep Date: **05/14/2017** Run No: **343066**
SampleType: **MSD** TestCode: **GASOLINE RANGE ORGANICS SW8015C** BatchID: **242623** Analysis Date: **05/14/2017** Seq No: **7519990**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
TPH (Gasoline Range Organics)	1.526	0.65	1.298		118	50.7	128	1.490	2.38	17.2	
Surr: a,a,a-trifluorotoluene	0.07737	0	0.0649		119	70.1	136	0.07758	0	0	

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

May 19, 2017

Michael Patinkin
Resolute Env. & Water Resources Consulting, LLC
1001 Weatherstone Pkwy
Woodstock GA 30188

TEL: (706) 266-0551
FAX: (888) 881-8219

RE: Phase II ESA Macon

Dear Michael Patinkin:

Order No: 1705B80

Analytical Environmental Services, Inc. received 13 samples on 5/12/2017 9:05:00 AM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.

AES's accreditations are as follows:

-NELAC/Florida State Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, and Drinking Water Microbiology, effective 07/01/16-06/30/17.

State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective 07/01/16-06/30/17 and Total Coliforms and E. coli, effective 04/25/17-04/24/20.

-NELAC/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/16-06/30/17.

-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and

Ioana Pacurar

Ioana Pacurar
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC.
3080 Presidential Drive, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1705680

Date: 05/12/17 Page 1 of 1

COMPANY: RESOLUTE ENVIRONMENTAL

ADDRESS: 1001 WEATHERSTONE PARKWAY SUITE 410 WOODSTOCK, GA 30188

PHONE: 678.232.9499

FAX: —

SAMPLED BY: MICHAEL PATINKIN / KEVIN STEPHENSON

SIGNATURE:

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

ANALYSIS REQUESTED

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	VOCs	DRO	GRO	RCRA METALS	SVOCs	REMARKS	No. of Containers
							PRESERVATION (See codes)						
							H	NA	H	N	NA		
1	RMW-02	05/10/17	1600	X		GW	2	2	2	1	2		9
2	RMW-03	05/10/17	1600	X		GW	2	2	2	1	2		9
3	RMW-04	05/11/17	0850	X		GW	2	2	2	1			7
4	RMW-05	05/11/17	0950	X		GW	6	6	6	3	6	MS/MSD	27
5	RMW-06	05/11/17	1006	X		GW	2	2	2	1	2		9
6	RMW-07	05/11/17	1206	X		GW	2	2	2	1	2		9
7	RMW-09	05/11/17	1225	X		GW	2	2	2	1	2		9
8	DUP-01	05/10/17	—	X		GW	2	2	2	1	2		9
9	EQBL	05/10/17	1715	X		W	2	2	2	1	2		9
10	FBL	05/10/17	1700	X		W	2	2	2	1	2		9
11													
12													
13												MA 05/12/17	
14													

RELINQUISHED BY / DATE/TIME
1: MICHAEL PATINKIN 05/12/17 0905
2:
3:

RECEIVED BY / DATE/TIME
1: 5/12/17 905
2:
3:

PROJECT INFORMATION
PROJECT NAME: PHASE II ESA MACON
PROJECT #:
SITE ADDRESS: 120 BROADWAY MACON, GA 31201
SEND REPORT TO: MICHAEL.PATINKIN@RESOLUTEENV.COM
INVOICE TO: (IF DIFFERENT FROM ABOVE) CINDY.MARDIS@RESOLUTEENV.COM
QUOTE #: PO#:

RECEIPT
Total # of Containers: 106

Turnaround Time Request
- (✓) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush (auth req.)
- ( ) Other

STATE PROGRAM (if any)
E-mail? (Y) N; Fax? Y (N)
DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT 05/12/17 VIA: CLIENT
IN / / VIA:
(CLIENT) FedEx UPS MAIL COURIER GREYHOUND OTHER

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES.
SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Client: Resolute Env. & Water Resources Consulting, LLC
Project: Phase II ESA Macon
Lab ID: 1705B80

Case Narrative

Sample Receiving Non-conformance:

A Trip Blank was provided but not listed on the Chain of Custody. Trip blank analyzed at no cost to the client. Furthermore, one of two vials for sample EQBL was received with headspace present as signified by >1/4 inch bubble present. The laborartory proceeded with analysis on the remaining vial. Lastly, sample information on the Chain of Custody did not match that on the sample bottle labels for sample RMW-06 vials. One of two vials did not have anything written on the label; however, it was matched accordingly due to being received within the same package as the other vial identified. Both vials were logged in according to the Chain of Custody.

Analytical Environmental Services, Inc **Date:** 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RMW-02
Project Name:	Phase II ESA Macon	**Collection Date:**	5/10/2017 4:00:00 PM
Lab ID:	1705B80-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3510C)**			
1,1´-Biphenyl	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
2,4,5-Trichlorophenol	BRL	25		ug/L	242646	1	05/16/2017 20:12	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
2,4-Dichlorophenol	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
2,4-Dimethylphenol	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
2,4-Dinitrophenol	BRL	25		ug/L	242646	1	05/16/2017 20:12	YH
2,4-Dinitrotoluene	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
2,6-Dinitrotoluene	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
2-Chloronaphthalene	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
2-Chlorophenol	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
2-Methylnaphthalene	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
2-Methylphenol	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
2-Nitroaniline	BRL	25		ug/L	242646	1	05/16/2017 20:12	YH
2-Nitrophenol	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
3,3´-Dichlorobenzidine	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
3-Nitroaniline	BRL	25		ug/L	242646	1	05/16/2017 20:12	YH
4,6-Dinitro-2-methylphenol	BRL	25		ug/L	242646	1	05/16/2017 20:12	YH
4-Bromophenyl phenyl ether	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
4-Chloroaniline	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
4-Chlorophenyl phenyl ether	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
4-Methylphenol	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
4-Nitroaniline	BRL	25		ug/L	242646	1	05/16/2017 20:12	YH
4-Nitrophenol	BRL	25		ug/L	242646	1	05/16/2017 20:12	YH
Acenaphthene	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
Acenaphthylene	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
Acetophenone	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
Anthracene	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
Atrazine	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
Benz(a)anthracene	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
Benzaldehyde	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
Benzo(a)pyrene	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
Benzo(b)fluoranthene	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
Benzo(k)fluoranthene	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
Bis(2-chloroethoxy)methane	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
Bis(2-chloroethyl)ether	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
Bis(2-chloroisopropyl)ether	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
Bis(2-ethylhexyl)phthalate	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
Butyl benzyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
Caprolactam	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RMW-02
Project Name:	Phase II ESA Macon	**Collection Date:**	5/10/2017 4:00:00 PM
Lab ID:	1705B80-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3510C)**			
Carbazole	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
Chrysene	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
Di-n-butyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
Di-n-octyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
Dibenzofuran	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
Diethyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
Dimethyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
Fluoranthene	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
Fluorene	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
Hexachlorobenzene	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
Hexachlorobutadiene	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
Hexachlorocyclopentadiene	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
Hexachloroethane	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
Isophorone	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
N-Nitrosodi-n-propylamine	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
N-Nitrosodiphenylamine	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
Naphthalene	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
Nitrobenzene	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
Pentachlorophenol	BRL	25		ug/L	242646	1	05/16/2017 20:12	YH
Phenanthrene	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
Phenol	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
Pyrene	BRL	10		ug/L	242646	1	05/16/2017 20:12	YH
Surr: 2,4,6-Tribromophenol	93.1	50-142		%REC	242646	1	05/16/2017 20:12	YH
Surr: 2-Fluorobiphenyl	92	46-124		%REC	242646	1	05/16/2017 20:12	YH
Surr: 2-Fluorophenol	49.1	25.3-120		%REC	242646	1	05/16/2017 20:12	YH
Surr: 4-Terphenyl-d14	96.1	45.1-133		%REC	242646	1	05/16/2017 20:12	YH
Surr: Nitrobenzene-d5	93.2	40.1-121		%REC	242646	1	05/16/2017 20:12	YH
Surr: Phenol-d5	30.6	16.3-120		%REC	242646	1	05/16/2017 20:12	YH
TCL VOLATILE ORGANICS SW8260B					**(SW5030B)**			
1,1,1-Trichloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 19:39	LJ
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 19:39	LJ
1,1,2-Trichloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 19:39	LJ
1,1-Dichloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 19:39	LJ
1,1-Dichloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 19:39	LJ
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 19:39	LJ
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242665	1	05/15/2017 19:39	LJ
1,2-Dibromoethane	BRL	5.0		ug/L	242665	1	05/15/2017 19:39	LJ
1,2-Dichlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 19:39	LJ

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RMW-02
Project Name:	Phase II ESA Macon	**Collection Date:**	5/10/2017 4:00:00 PM
Lab ID:	1705B80-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,2-Dichloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 19:39	LJ
1,2-Dichloropropane	BRL	5.0		ug/L	242665	1	05/15/2017 19:39	LJ
1,3-Dichlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 19:39	LJ
1,4-Dichlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 19:39	LJ
2-Butanone	BRL	50		ug/L	242665	1	05/15/2017 19:39	LJ
2-Hexanone	BRL	10		ug/L	242665	1	05/15/2017 19:39	LJ
4-Methyl-2-pentanone	BRL	10		ug/L	242665	1	05/15/2017 19:39	LJ
Acetone	BRL	50		ug/L	242665	1	05/15/2017 19:39	LJ
Benzene	BRL	5.0		ug/L	242665	1	05/15/2017 19:39	LJ
Bromodichloromethane	BRL	5.0		ug/L	242665	1	05/15/2017 19:39	LJ
Bromoform	BRL	5.0		ug/L	242665	1	05/15/2017 19:39	LJ
Bromomethane	BRL	5.0		ug/L	242665	1	05/15/2017 19:39	LJ
Carbon disulfide	BRL	5.0		ug/L	242665	1	05/15/2017 19:39	LJ
Carbon tetrachloride	BRL	5.0		ug/L	242665	1	05/15/2017 19:39	LJ
Chlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 19:39	LJ
Chloroethane	BRL	10		ug/L	242665	1	05/15/2017 19:39	LJ
Chloroform	BRL	5.0		ug/L	242665	1	05/15/2017 19:39	LJ
Chloromethane	BRL	10		ug/L	242665	1	05/15/2017 19:39	LJ
cis-1,2-Dichloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 19:39	LJ
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242665	1	05/15/2017 19:39	LJ
Cyclohexane	BRL	5.0		ug/L	242665	1	05/15/2017 19:39	LJ
Dibromochloromethane	BRL	5.0		ug/L	242665	1	05/15/2017 19:39	LJ
Dichlorodifluoromethane	BRL	10		ug/L	242665	1	05/15/2017 19:39	LJ
Ethylbenzene	BRL	5.0		ug/L	242665	1	05/15/2017 19:39	LJ
Freon-113	BRL	10		ug/L	242665	1	05/15/2017 19:39	LJ
Isopropylbenzene	BRL	5.0		ug/L	242665	1	05/15/2017 19:39	LJ
m,p-Xylene	BRL	5.0		ug/L	242665	1	05/15/2017 19:39	LJ
Methyl acetate	BRL	5.0		ug/L	242665	1	05/15/2017 19:39	LJ
Methyl tert-butyl ether	BRL	5.0		ug/L	242665	1	05/15/2017 19:39	LJ
Methylcyclohexane	BRL	5.0		ug/L	242665	1	05/15/2017 19:39	LJ
Methylene chloride	BRL	5.0		ug/L	242665	1	05/15/2017 19:39	LJ
o-Xylene	BRL	5.0		ug/L	242665	1	05/15/2017 19:39	LJ
Styrene	BRL	5.0		ug/L	242665	1	05/15/2017 19:39	LJ
Tetrachloroethene	130	5.0		ug/L	242665	1	05/15/2017 19:39	LJ
Toluene	BRL	5.0		ug/L	242665	1	05/15/2017 19:39	LJ
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 19:39	LJ
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242665	1	05/15/2017 19:39	LJ
Trichloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 19:39	LJ
Trichlorofluoromethane	BRL	5.0		ug/L	242665	1	05/15/2017 19:39	LJ
Vinyl chloride	BRL	2.0		ug/L	242665	1	05/15/2017 19:39	LJ
Surr: 4-Bromofluorobenzene	96.2	66.1-129		%REC	242665	1	05/15/2017 19:39	LJ

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RMW-02
Project Name:	Phase II ESA Macon	**Collection Date:**	5/10/2017 4:00:00 PM
Lab ID:	1705B80-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Surr: Dibromofluoromethane	97.1	83.6-123		%REC	242665	1	05/15/2017 19:39	LJ
Surr: Toluene-d8	105	81.8-118		%REC	242665	1	05/15/2017 19:39	LJ
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	242804	1	05/18/2017 18:44	AS
GASOLINE RANGE ORGANICS SW8015C				**(SW5030B)**				
TPH (Gasoline Range Organics)	BRL	0.50		mg/L	242815	1	05/18/2017 01:44	JE
Surr: a.a.a-trifluorotoluene	119	79.1-130		%REC	242815	1	05/18/2017 01:44	JE
DRO by Microextraction SW8015C				**(SW3511)**				
Diesel Range Organics	BRL	0.17		mg/L	242639	1	05/15/2017 21:35	RS
Surr: Dioctylphthalate	70	44.9-120		%REC	242639	1	05/15/2017 21:35	RS
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	242655	1	05/16/2017 20:46	IO
Barium	0.314	0.0200		mg/L	242655	1	05/16/2017 20:46	IO
Cadmium	BRL	0.0050		mg/L	242655	1	05/16/2017 20:46	IO
Chromium	BRL	0.0100		mg/L	242655	1	05/16/2017 20:46	IO
Lead	BRL	0.0100		mg/L	242655	1	05/16/2017 20:46	IO
Selenium	BRL	0.0200		mg/L	242655	1	05/16/2017 20:46	IO
Silver	BRL	0.0100		mg/L	242655	1	05/16/2017 20:46	IO

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RMW-03
Project Name:	Phase II ESA Macon	**Collection Date:**	5/10/2017 4:00:00 PM
Lab ID:	1705B80-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3510C)**				
1,1'-Biphenyl	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
2,4,5-Trichlorophenol	BRL	25		ug/L	242646	1	05/16/2017 20:39	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
2,4-Dichlorophenol	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
2,4-Dimethylphenol	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
2,4-Dinitrophenol	BRL	25		ug/L	242646	1	05/16/2017 20:39	YH
2,4-Dinitrotoluene	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
2,6-Dinitrotoluene	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
2-Chloronaphthalene	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
2-Chlorophenol	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
2-Methylnaphthalene	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
2-Methylphenol	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
2-Nitroaniline	BRL	25		ug/L	242646	1	05/16/2017 20:39	YH
2-Nitrophenol	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
3,3'-Dichlorobenzidine	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
3-Nitroaniline	BRL	25		ug/L	242646	1	05/16/2017 20:39	YH
4,6-Dinitro-2-methylphenol	BRL	25		ug/L	242646	1	05/16/2017 20:39	YH
4-Bromophenyl phenyl ether	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
4-Chloroaniline	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
4-Chlorophenyl phenyl ether	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
4-Methylphenol	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
4-Nitroaniline	BRL	25		ug/L	242646	1	05/16/2017 20:39	YH
4-Nitrophenol	BRL	25		ug/L	242646	1	05/16/2017 20:39	YH
Acenaphthene	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
Acenaphthylene	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
Acetophenone	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
Anthracene	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
Atrazine	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
Benz(a)anthracene	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
Benzaldehyde	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
Benzo(a)pyrene	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
Benzo(b)fluoranthene	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
Benzo(k)fluoranthene	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
Bis(2-chloroethoxy)methane	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
Bis(2-chloroethyl)ether	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
Bis(2-chloroisopropyl)ether	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
Bis(2-ethylhexyl)phthalate	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
Butyl benzyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
Caprolactam	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH

Qualifiers:

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- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RMW-03
Project Name:	Phase II ESA Macon	**Collection Date:**	5/10/2017 4:00:00 PM
Lab ID:	1705B80-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3510C)**				
Carbazole	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
Chrysene	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
Di-n-butyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
Di-n-octyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
Dibenzofuran	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
Diethyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
Dimethyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
Fluoranthene	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
Fluorene	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
Hexachlorobenzene	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
Hexachlorobutadiene	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
Hexachlorocyclopentadiene	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
Hexachloroethane	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
Isophorone	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
N-Nitrosodi-n-propylamine	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
N-Nitrosodiphenylamine	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
Naphthalene	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
Nitrobenzene	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
Pentachlorophenol	BRL	25		ug/L	242646	1	05/16/2017 20:39	YH
Phenanthrene	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
Phenol	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
Pyrene	BRL	10		ug/L	242646	1	05/16/2017 20:39	YH
Surr: 2,4,6-Tribromophenol	99.1	50-142		%REC	242646	1	05/16/2017 20:39	YH
Surr: 2-Fluorobiphenyl	90.2	46-124		%REC	242646	1	05/16/2017 20:39	YH
Surr: 2-Fluorophenol	54.6	25.3-120		%REC	242646	1	05/16/2017 20:39	YH
Surr: 4-Terphenyl-d14	105	45.1-133		%REC	242646	1	05/16/2017 20:39	YH
Surr: Nitrobenzene-d5	89.5	40.1-121		%REC	242646	1	05/16/2017 20:39	YH
Surr: Phenol-d5	35.6	16.3-120		%REC	242646	1	05/16/2017 20:39	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 19:13	LJ
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 19:13	LJ
1,1,2-Trichloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 19:13	LJ
1,1-Dichloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 19:13	LJ
1,1-Dichloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 19:13	LJ
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 19:13	LJ
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242665	1	05/15/2017 19:13	LJ
1,2-Dibromoethane	BRL	5.0		ug/L	242665	1	05/15/2017 19:13	LJ
1,2-Dichlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 19:13	LJ

Qualifiers:

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- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc Date: 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RMW-03
Project Name:	Phase II ESA Macon	**Collection Date:**	5/10/2017 4:00:00 PM
Lab ID:	1705B80-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,2-Dichloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 19:13	LJ
1,2-Dichloropropane	BRL	5.0		ug/L	242665	1	05/15/2017 19:13	LJ
1,3-Dichlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 19:13	LJ
1,4-Dichlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 19:13	LJ
2-Butanone	BRL	50		ug/L	242665	1	05/15/2017 19:13	LJ
2-Hexanone	BRL	10		ug/L	242665	1	05/15/2017 19:13	LJ
4-Methyl-2-pentanone	BRL	10		ug/L	242665	1	05/15/2017 19:13	LJ
Acetone	BRL	50		ug/L	242665	1	05/15/2017 19:13	LJ
Benzene	BRL	5.0		ug/L	242665	1	05/15/2017 19:13	LJ
Bromodichloromethane	BRL	5.0		ug/L	242665	1	05/15/2017 19:13	LJ
Bromoform	BRL	5.0		ug/L	242665	1	05/15/2017 19:13	LJ
Bromomethane	BRL	5.0		ug/L	242665	1	05/15/2017 19:13	LJ
Carbon disulfide	BRL	5.0		ug/L	242665	1	05/15/2017 19:13	LJ
Carbon tetrachloride	BRL	5.0		ug/L	242665	1	05/15/2017 19:13	LJ
Chlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 19:13	LJ
Chloroethane	BRL	10		ug/L	242665	1	05/15/2017 19:13	LJ
Chloroform	BRL	5.0		ug/L	242665	1	05/15/2017 19:13	LJ
Chloromethane	BRL	10		ug/L	242665	1	05/15/2017 19:13	LJ
cis-1,2-Dichloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 19:13	LJ
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242665	1	05/15/2017 19:13	LJ
Cyclohexane	BRL	5.0		ug/L	242665	1	05/15/2017 19:13	LJ
Dibromochloromethane	BRL	5.0		ug/L	242665	1	05/15/2017 19:13	LJ
Dichlorodifluoromethane	BRL	10		ug/L	242665	1	05/15/2017 19:13	LJ
Ethylbenzene	BRL	5.0		ug/L	242665	1	05/15/2017 19:13	LJ
Freon-113	BRL	10		ug/L	242665	1	05/15/2017 19:13	LJ
Isopropylbenzene	BRL	5.0		ug/L	242665	1	05/15/2017 19:13	LJ
m,p-Xylene	BRL	5.0		ug/L	242665	1	05/15/2017 19:13	LJ
Methyl acetate	BRL	5.0		ug/L	242665	1	05/15/2017 19:13	LJ
Methyl tert-butyl ether	BRL	5.0		ug/L	242665	1	05/15/2017 19:13	LJ
Methylcyclohexane	BRL	5.0		ug/L	242665	1	05/15/2017 19:13	LJ
Methylene chloride	BRL	5.0		ug/L	242665	1	05/15/2017 19:13	LJ
o-Xylene	BRL	5.0		ug/L	242665	1	05/15/2017 19:13	LJ
Styrene	BRL	5.0		ug/L	242665	1	05/15/2017 19:13	LJ
Tetrachloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 19:13	LJ
Toluene	BRL	5.0		ug/L	242665	1	05/15/2017 19:13	LJ
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 19:13	LJ
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242665	1	05/15/2017 19:13	LJ
Trichloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 19:13	LJ
Trichlorofluoromethane	BRL	5.0		ug/L	242665	1	05/15/2017 19:13	LJ
Vinyl chloride	BRL	2.0		ug/L	242665	1	05/15/2017 19:13	LJ
Surr: 4-Bromofluorobenzene	90.3	66.1-129		%REC	242665	1	05/15/2017 19:13	LJ

Qualifiers:

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- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
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Analytical Environmental Services, Inc **Date:** 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RMW-03
Project Name:	Phase II ESA Macon	**Collection Date:**	5/10/2017 4:00:00 PM
Lab ID:	1705B80-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Surr: Dibromofluoromethane	97.4	83.6-123		%REC	242665	1	05/15/2017 19:13	LJ
Surr: Toluene-d8	106	81.8-118		%REC	242665	1	05/15/2017 19:13	LJ
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	242804	1	05/18/2017 18:48	AS
GASOLINE RANGE ORGANICS SW8015C				**(SW5030B)**				
TPH (Gasoline Range Organics)	BRL	0.50		mg/L	242815	1	05/18/2017 02:11	JE
Surr: a.a.a-trifluorotoluene	122	79.1-130		%REC	242815	1	05/18/2017 02:11	JE
DRO by Microextraction SW8015C				**(SW3511)**				
Diesel Range Organics	BRL	0.17		mg/L	242639	1	05/15/2017 21:59	RS
Surr: Dioctylphthalate	49.8	44.9-120		%REC	242639	1	05/15/2017 21:59	RS
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	242655	1	05/16/2017 20:49	IO
Barium	0.155	0.0200		mg/L	242655	1	05/16/2017 20:49	IO
Cadmium	BRL	0.0050		mg/L	242655	1	05/16/2017 20:49	IO
Chromium	BRL	0.0100		mg/L	242655	1	05/16/2017 20:49	IO
Lead	BRL	0.0100		mg/L	242655	1	05/16/2017 20:49	IO
Selenium	BRL	0.0200		mg/L	242655	1	05/16/2017 20:49	IO
Silver	BRL	0.0100		mg/L	242655	1	05/16/2017 20:49	IO

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Analytical Environmental Services, Inc Date: 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RMW-04
Project Name:	Phase II ESA Macon	**Collection Date:**	5/11/2017 8:50:00 AM
Lab ID:	1705B80-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242665	1	05/16/2017 11:39	LJ
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242665	1	05/16/2017 11:39	LJ
1,1,2-Trichloroethane	BRL	5.0		ug/L	242665	1	05/16/2017 11:39	LJ
1,1-Dichloroethane	BRL	5.0		ug/L	242665	1	05/16/2017 11:39	LJ
1,1-Dichloroethene	BRL	5.0		ug/L	242665	1	05/16/2017 11:39	LJ
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242665	1	05/16/2017 11:39	LJ
1,2-Dibromo-3-chloropropane	7.5	5.0		ug/L	242665	1	05/16/2017 11:39	LJ
1,2-Dibromoethane	BRL	5.0		ug/L	242665	1	05/16/2017 11:39	LJ
1,2-Dichlorobenzene	BRL	5.0		ug/L	242665	1	05/16/2017 11:39	LJ
1,2-Dichloroethane	BRL	5.0		ug/L	242665	1	05/16/2017 11:39	LJ
1,2-Dichloropropane	BRL	5.0		ug/L	242665	1	05/16/2017 11:39	LJ
1,3-Dichlorobenzene	BRL	5.0		ug/L	242665	1	05/16/2017 11:39	LJ
1,4-Dichlorobenzene	BRL	5.0		ug/L	242665	1	05/16/2017 11:39	LJ
2-Butanone	BRL	50		ug/L	242665	1	05/16/2017 11:39	LJ
2-Hexanone	70	10		ug/L	242665	1	05/16/2017 11:39	LJ
4-Methyl-2-pentanone	26	10		ug/L	242665	1	05/16/2017 11:39	LJ
Acetone	52	50		ug/L	242665	1	05/16/2017 11:39	LJ
Benzene	540	500		ug/L	242665	100	05/15/2017 20:05	LJ
Bromodichloromethane	BRL	5.0		ug/L	242665	1	05/16/2017 11:39	LJ
Bromoform	BRL	5.0		ug/L	242665	1	05/16/2017 11:39	LJ
Bromomethane	BRL	5.0		ug/L	242665	1	05/16/2017 11:39	LJ
Carbon disulfide	BRL	5.0		ug/L	242665	1	05/16/2017 11:39	LJ
Carbon tetrachloride	BRL	5.0		ug/L	242665	1	05/16/2017 11:39	LJ
Chlorobenzene	BRL	5.0		ug/L	242665	1	05/16/2017 11:39	LJ
Chloroethane	BRL	10		ug/L	242665	1	05/16/2017 11:39	LJ
Chloroform	BRL	5.0		ug/L	242665	1	05/16/2017 11:39	LJ
Chloromethane	BRL	10		ug/L	242665	1	05/16/2017 11:39	LJ
cis-1,2-Dichloroethene	BRL	5.0		ug/L	242665	1	05/16/2017 11:39	LJ
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242665	1	05/16/2017 11:39	LJ
Cyclohexane	96	5.0		ug/L	242665	1	05/16/2017 11:39	LJ
Dibromochloromethane	BRL	5.0		ug/L	242665	1	05/16/2017 11:39	LJ
Dichlorodifluoromethane	BRL	10		ug/L	242665	1	05/16/2017 11:39	LJ
Ethylbenzene	1700	500		ug/L	242665	100	05/15/2017 20:05	LJ
Freon-113	BRL	10		ug/L	242665	1	05/16/2017 11:39	LJ
Isopropylbenzene	89	5.0		ug/L	242665	1	05/16/2017 11:39	LJ
m,p-Xylene	4500	500		ug/L	242665	100	05/15/2017 20:05	LJ
Methyl acetate	19	5.0		ug/L	242665	1	05/16/2017 11:39	LJ
Methyl tert-butyl ether	6.2	5.0		ug/L	242665	1	05/16/2017 11:39	LJ
Methylcyclohexane	69	5.0		ug/L	242665	1	05/16/2017 11:39	LJ
Methylene chloride	BRL	5.0		ug/L	242665	1	05/16/2017 11:39	LJ
o-Xylene	2600	500		ug/L	242665	100	05/15/2017 20:05	LJ

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Analytical Environmental Services, Inc **Date:** 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RMW-04
Project Name:	Phase II ESA Macon	**Collection Date:**	5/11/2017 8:50:00 AM
Lab ID:	1705B80-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	150	5.0		ug/L	242665	1	05/16/2017 11:39	LJ
Tetrachloroethene	BRL	5.0		ug/L	242665	1	05/16/2017 11:39	LJ
Toluene	240	200		ug/L	242665	100	05/15/2017 20:05	LJ
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242665	1	05/16/2017 11:39	LJ
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242665	1	05/16/2017 11:39	LJ
Trichloroethene	6.2	5.0		ug/L	242665	1	05/16/2017 11:39	LJ
Trichlorofluoromethane	BRL	5.0		ug/L	242665	1	05/16/2017 11:39	LJ
Vinyl chloride	BRL	2.0		ug/L	242665	1	05/16/2017 11:39	LJ
Surr: 4-Bromofluorobenzene	95	66.1-129		%REC	242665	100	05/15/2017 20:05	LJ
Surr: 4-Bromofluorobenzene	121	66.1-129		%REC	242665	1	05/16/2017 11:39	LJ
Surr: Dibromofluoromethane	93.8	83.6-123		%REC	242665	1	05/16/2017 11:39	LJ
Surr: Dibromofluoromethane	102	83.6-123		%REC	242665	100	05/15/2017 20:05	LJ
Surr: Toluene-d8	106	81.8-118		%REC	242665	100	05/15/2017 20:05	LJ
Surr: Toluene-d8	109	81.8-118		%REC	242665	1	05/16/2017 11:39	LJ
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	242804	1	05/18/2017 18:52	AS
GASOLINE RANGE ORGANICS SW8015C				**(SW5030B)**				
TPH (Gasoline Range Organics)	31	10		mg/L	242815	20	05/19/2017 00:13	JE
Surr: a,a,a-trifluorotoluene	120	79.1-130		%REC	242815	20	05/19/2017 00:13	JE
DRO by Microextraction SW8015C				**(SW3511)**				
Diesel Range Organics	6.7	1.7		mg/L	242639	10	05/16/2017 18:20	RS
Surr: Dioctylphthalate	95.6	44.9-120		%REC	242639	1	05/15/2017 22:22	RS
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	242655	1	05/16/2017 20:53	IO
Barium	0.254	0.0200		mg/L	242655	1	05/16/2017 20:53	IO
Cadmium	BRL	0.0050		mg/L	242655	1	05/16/2017 20:53	IO
Chromium	BRL	0.0100		mg/L	242655	1	05/16/2017 20:53	IO
Lead	BRL	0.0100		mg/L	242655	1	05/16/2017 20:53	IO
Selenium	BRL	0.0200		mg/L	242655	1	05/16/2017 20:53	IO
Silver	BRL	0.0100		mg/L	242655	1	05/16/2017 20:53	IO

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
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- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RMW-05
Project Name:	Phase II ESA Macon	**Collection Date:**	5/11/2017 8:50:00 AM
Lab ID:	1705B80-004	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3510C)**				
1,1'-Biphenyl	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
2,4,5-Trichlorophenol	BRL	25		ug/L	242646	1	05/16/2017 18:51	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
2,4-Dichlorophenol	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
2,4-Dimethylphenol	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
2,4-Dinitrophenol	BRL	25		ug/L	242646	1	05/16/2017 18:51	YH
2,4-Dinitrotoluene	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
2,6-Dinitrotoluene	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
2-Chloronaphthalene	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
2-Chlorophenol	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
2-Methylnaphthalene	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
2-Methylphenol	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
2-Nitroaniline	BRL	25		ug/L	242646	1	05/16/2017 18:51	YH
2-Nitrophenol	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
3,3'-Dichlorobenzidine	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
3-Nitroaniline	BRL	25		ug/L	242646	1	05/16/2017 18:51	YH
4,6-Dinitro-2-methylphenol	BRL	25		ug/L	242646	1	05/16/2017 18:51	YH
4-Bromophenyl phenyl ether	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
4-Chloroaniline	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
4-Chlorophenyl phenyl ether	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
4-Methylphenol	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
4-Nitroaniline	BRL	25		ug/L	242646	1	05/16/2017 18:51	YH
4-Nitrophenol	BRL	25		ug/L	242646	1	05/16/2017 18:51	YH
Acenaphthene	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
Acenaphthylene	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
Acetophenone	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
Anthracene	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
Atrazine	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
Benz(a)anthracene	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
Benzaldehyde	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
Benzo(a)pyrene	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
Benzo(b)fluoranthene	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
Benzo(k)fluoranthene	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
Bis(2-chloroethoxy)methane	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
Bis(2-chloroethyl)ether	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
Bis(2-chloroisopropyl)ether	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
Bis(2-ethylhexyl)phthalate	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
Butyl benzyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
Caprolactam	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH

Qualifiers:

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- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RMW-05
Project Name:	Phase II ESA Macon	**Collection Date:**	5/11/2017 8:50:00 AM
Lab ID:	1705B80-004	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3510C)**				
Carbazole	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
Chrysene	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
Di-n-butyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
Di-n-octyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
Dibenzofuran	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
Diethyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
Dimethyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
Fluoranthene	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
Fluorene	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
Hexachlorobenzene	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
Hexachlorobutadiene	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
Hexachlorocyclopentadiene	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
Hexachloroethane	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
Isophorone	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
N-Nitrosodi-n-propylamine	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
N-Nitrosodiphenylamine	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
Naphthalene	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
Nitrobenzene	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
Pentachlorophenol	BRL	25		ug/L	242646	1	05/16/2017 18:51	YH
Phenanthrene	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
Phenol	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
Pyrene	BRL	10		ug/L	242646	1	05/16/2017 18:51	YH
Surr: 2,4,6-Tribromophenol	90.4	50-142		%REC	242646	1	05/16/2017 18:51	YH
Surr: 2-Fluorobiphenyl	81.6	46-124		%REC	242646	1	05/16/2017 18:51	YH
Surr: 2-Fluorophenol	43.9	25.3-120		%REC	242646	1	05/16/2017 18:51	YH
Surr: 4-Terphenyl-d14	104	45.1-133		%REC	242646	1	05/16/2017 18:51	YH
Surr: Nitrobenzene-d5	75.3	40.1-121		%REC	242646	1	05/16/2017 18:51	YH
Surr: Phenol-d5	30.2	16.3-120		%REC	242646	1	05/16/2017 18:51	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 18:47	LJ
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 18:47	LJ
1,1,2-Trichloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 18:47	LJ
1,1-Dichloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 18:47	LJ
1,1-Dichloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 18:47	LJ
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 18:47	LJ
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242665	1	05/15/2017 18:47	LJ
1,2-Dibromoethane	BRL	5.0		ug/L	242665	1	05/15/2017 18:47	LJ
1,2-Dichlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 18:47	LJ

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
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- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RMW-05
Project Name:	Phase II ESA Macon	**Collection Date:**	5/11/2017 8:50:00 AM
Lab ID:	1705B80-004	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,2-Dichloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 18:47	LJ
1,2-Dichloropropane	BRL	5.0		ug/L	242665	1	05/15/2017 18:47	LJ
1,3-Dichlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 18:47	LJ
1,4-Dichlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 18:47	LJ
2-Butanone	BRL	50		ug/L	242665	1	05/15/2017 18:47	LJ
2-Hexanone	BRL	10		ug/L	242665	1	05/15/2017 18:47	LJ
4-Methyl-2-pentanone	BRL	10		ug/L	242665	1	05/15/2017 18:47	LJ
Acetone	BRL	50		ug/L	242665	1	05/15/2017 18:47	LJ
Benzene	BRL	5.0		ug/L	242665	1	05/15/2017 18:47	LJ
Bromodichloromethane	BRL	5.0		ug/L	242665	1	05/15/2017 18:47	LJ
Bromoform	BRL	5.0		ug/L	242665	1	05/15/2017 18:47	LJ
Bromomethane	BRL	5.0		ug/L	242665	1	05/15/2017 18:47	LJ
Carbon disulfide	BRL	5.0		ug/L	242665	1	05/15/2017 18:47	LJ
Carbon tetrachloride	BRL	5.0		ug/L	242665	1	05/15/2017 18:47	LJ
Chlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 18:47	LJ
Chloroethane	BRL	10		ug/L	242665	1	05/15/2017 18:47	LJ
Chloroform	BRL	5.0		ug/L	242665	1	05/15/2017 18:47	LJ
Chloromethane	BRL	10		ug/L	242665	1	05/15/2017 18:47	LJ
cis-1,2-Dichloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 18:47	LJ
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242665	1	05/15/2017 18:47	LJ
Cyclohexane	BRL	5.0		ug/L	242665	1	05/15/2017 18:47	LJ
Dibromochloromethane	BRL	5.0		ug/L	242665	1	05/15/2017 18:47	LJ
Dichlorodifluoromethane	BRL	10		ug/L	242665	1	05/15/2017 18:47	LJ
Ethylbenzene	BRL	5.0		ug/L	242665	1	05/15/2017 18:47	LJ
Freon-113	BRL	10		ug/L	242665	1	05/15/2017 18:47	LJ
Isopropylbenzene	BRL	5.0		ug/L	242665	1	05/15/2017 18:47	LJ
m,p-Xylene	BRL	5.0		ug/L	242665	1	05/15/2017 18:47	LJ
Methyl acetate	BRL	5.0		ug/L	242665	1	05/15/2017 18:47	LJ
Methyl tert-butyl ether	BRL	5.0		ug/L	242665	1	05/15/2017 18:47	LJ
Methylcyclohexane	BRL	5.0		ug/L	242665	1	05/15/2017 18:47	LJ
Methylene chloride	BRL	5.0		ug/L	242665	1	05/15/2017 18:47	LJ
o-Xylene	BRL	5.0		ug/L	242665	1	05/15/2017 18:47	LJ
Styrene	BRL	5.0		ug/L	242665	1	05/15/2017 18:47	LJ
Tetrachloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 18:47	LJ
Toluene	BRL	5.0		ug/L	242665	1	05/15/2017 18:47	LJ
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 18:47	LJ
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242665	1	05/15/2017 18:47	LJ
Trichloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 18:47	LJ
Trichlorofluoromethane	BRL	5.0		ug/L	242665	1	05/15/2017 18:47	LJ
Vinyl chloride	BRL	2.0		ug/L	242665	1	05/15/2017 18:47	LJ
Surr: 4-Bromofluorobenzene	94.4	66.1-129		%REC	242665	1	05/15/2017 18:47	LJ

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RMW-05
Project Name:	Phase II ESA Macon	**Collection Date:**	5/11/2017 8:50:00 AM
Lab ID:	1705B80-004	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Surr: Dibromofluoromethane	100	83.6-123		%REC	242665	1	05/15/2017 18:47	LJ
Surr: Toluene-d8	106	81.8-118		%REC	242665	1	05/15/2017 18:47	LJ
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	242804	1	05/18/2017 17:37	AS
GASOLINE RANGE ORGANICS SW8015C				**(SW5030B)**				
TPH (Gasoline Range Organics)	BRL	0.50		mg/L	242815	1	05/17/2017 23:55	JE
Surr: a.a.a-trifluorotoluene	123	79.1-130		%REC	242815	1	05/17/2017 23:55	JE
DRO by Microextraction SW8015C				**(SW3511)**				
Diesel Range Organics	BRL	0.17		mg/L	242639	1	05/15/2017 20:26	RS
Surr: Dioctylphthalate	60.2	44.9-120		%REC	242639	1	05/15/2017 20:26	RS
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	242655	1	05/16/2017 19:47	IO
Barium	0.0506	0.0200		mg/L	242655	1	05/16/2017 19:47	IO
Cadmium	BRL	0.0050		mg/L	242655	1	05/16/2017 19:47	IO
Chromium	BRL	0.0100		mg/L	242655	1	05/16/2017 19:47	IO
Lead	BRL	0.0100		mg/L	242655	1	05/16/2017 19:47	IO
Selenium	BRL	0.0200		mg/L	242655	1	05/16/2017 19:47	IO
Silver	BRL	0.0100		mg/L	242655	1	05/16/2017 19:47	IO

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RMW-06
Project Name:	Phase II ESA Macon	**Collection Date:**	5/11/2017 10:06:00 AM
Lab ID:	1705B80-005	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3510C)**				
1,1´-Biphenyl	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
2,4,5-Trichlorophenol	BRL	25		ug/L	242646	1	05/16/2017 21:06	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
2,4-Dichlorophenol	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
2,4-Dimethylphenol	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
2,4-Dinitrophenol	BRL	25		ug/L	242646	1	05/16/2017 21:06	YH
2,4-Dinitrotoluene	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
2,6-Dinitrotoluene	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
2-Chloronaphthalene	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
2-Chlorophenol	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
2-Methylnaphthalene	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
2-Methylphenol	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
2-Nitroaniline	BRL	25		ug/L	242646	1	05/16/2017 21:06	YH
2-Nitrophenol	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
3,3´-Dichlorobenzidine	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
3-Nitroaniline	BRL	25		ug/L	242646	1	05/16/2017 21:06	YH
4,6-Dinitro-2-methylphenol	BRL	25		ug/L	242646	1	05/16/2017 21:06	YH
4-Bromophenyl phenyl ether	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
4-Chloroaniline	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
4-Chlorophenyl phenyl ether	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
4-Methylphenol	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
4-Nitroaniline	BRL	25		ug/L	242646	1	05/16/2017 21:06	YH
4-Nitrophenol	BRL	25		ug/L	242646	1	05/16/2017 21:06	YH
Acenaphthene	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
Acenaphthylene	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
Acetophenone	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
Anthracene	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
Atrazine	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
Benz(a)anthracene	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
Benzaldehyde	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
Benzo(a)pyrene	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
Benzo(b)fluoranthene	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
Benzo(k)fluoranthene	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
Bis(2-chloroethoxy)methane	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
Bis(2-chloroethyl)ether	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
Bis(2-chloroisopropyl)ether	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
Bis(2-ethylhexyl)phthalate	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
Butyl benzyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
Caprolactam	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RMW-06
Project Name:	Phase II ESA Macon	**Collection Date:**	5/11/2017 10:06:00 AM
Lab ID:	1705B80-005	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3510C)**				
Carbazole	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
Chrysene	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
Di-n-butyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
Di-n-octyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
Dibenzofuran	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
Diethyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
Dimethyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
Fluoranthene	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
Fluorene	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
Hexachlorobenzene	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
Hexachlorobutadiene	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
Hexachlorocyclopentadiene	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
Hexachloroethane	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
Isophorone	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
N-Nitrosodi-n-propylamine	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
N-Nitrosodiphenylamine	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
Naphthalene	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
Nitrobenzene	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
Pentachlorophenol	BRL	25		ug/L	242646	1	05/16/2017 21:06	YH
Phenanthrene	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
Phenol	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
Pyrene	BRL	10		ug/L	242646	1	05/16/2017 21:06	YH
Surr: 2,4,6-Tribromophenol	89.7	50-142		%REC	242646	1	05/16/2017 21:06	YH
Surr: 2-Fluorobiphenyl	87.3	46-124		%REC	242646	1	05/16/2017 21:06	YH
Surr: 2-Fluorophenol	50.2	25.3-120		%REC	242646	1	05/16/2017 21:06	YH
Surr: 4-Terphenyl-d14	99.3	45.1-133		%REC	242646	1	05/16/2017 21:06	YH
Surr: Nitrobenzene-d5	89.9	40.1-121		%REC	242646	1	05/16/2017 21:06	YH
Surr: Phenol-d5	30.4	16.3-120		%REC	242646	1	05/16/2017 21:06	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 18:22	LJ
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 18:22	LJ
1,1,2-Trichloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 18:22	LJ
1,1-Dichloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 18:22	LJ
1,1-Dichloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 18:22	LJ
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 18:22	LJ
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242665	1	05/15/2017 18:22	LJ
1,2-Dibromoethane	BRL	5.0		ug/L	242665	1	05/15/2017 18:22	LJ
1,2-Dichlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 18:22	LJ

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RMW-06
Project Name:	Phase II ESA Macon	**Collection Date:**	5/11/2017 10:06:00 AM
Lab ID:	1705B80-005	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,2-Dichloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 18:22	LJ
1,2-Dichloropropane	BRL	5.0		ug/L	242665	1	05/15/2017 18:22	LJ
1,3-Dichlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 18:22	LJ
1,4-Dichlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 18:22	LJ
2-Butanone	BRL	50		ug/L	242665	1	05/15/2017 18:22	LJ
2-Hexanone	BRL	10		ug/L	242665	1	05/15/2017 18:22	LJ
4-Methyl-2-pentanone	BRL	10		ug/L	242665	1	05/15/2017 18:22	LJ
Acetone	BRL	50		ug/L	242665	1	05/15/2017 18:22	LJ
Benzene	BRL	5.0		ug/L	242665	1	05/15/2017 18:22	LJ
Bromodichloromethane	BRL	5.0		ug/L	242665	1	05/15/2017 18:22	LJ
Bromoform	BRL	5.0		ug/L	242665	1	05/15/2017 18:22	LJ
Bromomethane	BRL	5.0		ug/L	242665	1	05/15/2017 18:22	LJ
Carbon disulfide	BRL	5.0		ug/L	242665	1	05/15/2017 18:22	LJ
Carbon tetrachloride	BRL	5.0		ug/L	242665	1	05/15/2017 18:22	LJ
Chlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 18:22	LJ
Chloroethane	BRL	10		ug/L	242665	1	05/15/2017 18:22	LJ
Chloroform	BRL	5.0		ug/L	242665	1	05/15/2017 18:22	LJ
Chloromethane	BRL	10		ug/L	242665	1	05/15/2017 18:22	LJ
cis-1,2-Dichloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 18:22	LJ
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242665	1	05/15/2017 18:22	LJ
Cyclohexane	BRL	5.0		ug/L	242665	1	05/15/2017 18:22	LJ
Dibromochloromethane	BRL	5.0		ug/L	242665	1	05/15/2017 18:22	LJ
Dichlorodifluoromethane	BRL	10		ug/L	242665	1	05/15/2017 18:22	LJ
Ethylbenzene	BRL	5.0		ug/L	242665	1	05/15/2017 18:22	LJ
Freon-113	BRL	10		ug/L	242665	1	05/15/2017 18:22	LJ
Isopropylbenzene	BRL	5.0		ug/L	242665	1	05/15/2017 18:22	LJ
m,p-Xylene	BRL	5.0		ug/L	242665	1	05/15/2017 18:22	LJ
Methyl acetate	BRL	5.0		ug/L	242665	1	05/15/2017 18:22	LJ
Methyl tert-butyl ether	BRL	5.0		ug/L	242665	1	05/15/2017 18:22	LJ
Methylcyclohexane	BRL	5.0		ug/L	242665	1	05/15/2017 18:22	LJ
Methylene chloride	BRL	5.0		ug/L	242665	1	05/15/2017 18:22	LJ
o-Xylene	BRL	5.0		ug/L	242665	1	05/15/2017 18:22	LJ
Styrene	BRL	5.0		ug/L	242665	1	05/15/2017 18:22	LJ
Tetrachloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 18:22	LJ
Toluene	BRL	5.0		ug/L	242665	1	05/15/2017 18:22	LJ
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 18:22	LJ
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242665	1	05/15/2017 18:22	LJ
Trichloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 18:22	LJ
Trichlorofluoromethane	BRL	5.0		ug/L	242665	1	05/15/2017 18:22	LJ
Vinyl chloride	BRL	2.0		ug/L	242665	1	05/15/2017 18:22	LJ
Surr: 4-Bromofluorobenzene	95.4	66.1-129		%REC	242665	1	05/15/2017 18:22	LJ

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RMW-06
Project Name:	Phase II ESA Macon	**Collection Date:**	5/11/2017 10:06:00 AM
Lab ID:	1705B80-005	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Surr: Dibromofluoromethane	101	83.6-123		%REC	242665	1	05/15/2017 18:22	LJ
Surr: Toluene-d8	107	81.8-118		%REC	242665	1	05/15/2017 18:22	LJ
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	242804	1	05/18/2017 19:04	AS
GASOLINE RANGE ORGANICS SW8015C				**(SW5030B)**				
TPH (Gasoline Range Organics)	BRL	0.50		mg/L	242815	1	05/18/2017 03:05	JE
Surr: a.a.a-trifluorotoluene	121	79.1-130		%REC	242815	1	05/18/2017 03:05	JE
DRO by Microextraction SW8015C				**(SW3511)**				
Diesel Range Organics	BRL	0.17		mg/L	242639	1	05/16/2017 18:43	RS
Surr: Dioctylphthalate	70.8	44.9-120		%REC	242639	1	05/16/2017 18:43	RS
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	242655	1	05/16/2017 20:56	IO
Barium	0.146	0.0200		mg/L	242655	1	05/16/2017 20:56	IO
Cadmium	BRL	0.0050		mg/L	242655	1	05/16/2017 20:56	IO
Chromium	BRL	0.0100		mg/L	242655	1	05/16/2017 20:56	IO
Lead	BRL	0.0100		mg/L	242655	1	05/16/2017 20:56	IO
Selenium	BRL	0.0200		mg/L	242655	1	05/16/2017 20:56	IO
Silver	BRL	0.0100		mg/L	242655	1	05/16/2017 20:56	IO

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RMW-07
Project Name:	Phase II ESA Macon	**Collection Date:**	5/11/2017 12:06:00 PM
Lab ID:	1705B80-006	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3510C)**			
1,1'-Biphenyl	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
2,4,5-Trichlorophenol	BRL	25		ug/L	242646	1	05/16/2017 21:34	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
2,4-Dichlorophenol	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
2,4-Dimethylphenol	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
2,4-Dinitrophenol	BRL	25		ug/L	242646	1	05/16/2017 21:34	YH
2,4-Dinitrotoluene	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
2,6-Dinitrotoluene	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
2-Chloronaphthalene	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
2-Chlorophenol	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
2-Methylnaphthalene	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
2-Methylphenol	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
2-Nitroaniline	BRL	25		ug/L	242646	1	05/16/2017 21:34	YH
2-Nitrophenol	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
3,3'-Dichlorobenzidine	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
3-Nitroaniline	BRL	25		ug/L	242646	1	05/16/2017 21:34	YH
4,6-Dinitro-2-methylphenol	BRL	25		ug/L	242646	1	05/16/2017 21:34	YH
4-Bromophenyl phenyl ether	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
4-Chloroaniline	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
4-Chlorophenyl phenyl ether	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
4-Methylphenol	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
4-Nitroaniline	BRL	25		ug/L	242646	1	05/16/2017 21:34	YH
4-Nitrophenol	BRL	25		ug/L	242646	1	05/16/2017 21:34	YH
Acenaphthene	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
Acenaphthylene	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
Acetophenone	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
Anthracene	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
Atrazine	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
Benz(a)anthracene	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
Benzaldehyde	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
Benzo(a)pyrene	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
Benzo(b)fluoranthene	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
Benzo(k)fluoranthene	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
Bis(2-chloroethoxy)methane	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
Bis(2-chloroethyl)ether	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
Bis(2-chloroisopropyl)ether	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
Bis(2-ethylhexyl)phthalate	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
Butyl benzyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
Caprolactam	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
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Analytical Environmental Services, Inc **Date:** 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RMW-07
Project Name:	Phase II ESA Macon	**Collection Date:**	5/11/2017 12:06:00 PM
Lab ID:	1705B80-006	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3510C)**				
Carbazole	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
Chrysene	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
Di-n-butyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
Di-n-octyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
Dibenzofuran	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
Diethyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
Dimethyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
Fluoranthene	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
Fluorene	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
Hexachlorobenzene	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
Hexachlorobutadiene	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
Hexachlorocyclopentadiene	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
Hexachloroethane	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
Isophorone	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
N-Nitrosodi-n-propylamine	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
N-Nitrosodiphenylamine	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
Naphthalene	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
Nitrobenzene	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
Pentachlorophenol	BRL	25		ug/L	242646	1	05/16/2017 21:34	YH
Phenanthrene	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
Phenol	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
Pyrene	BRL	10		ug/L	242646	1	05/16/2017 21:34	YH
Surr: 2,4,6-Tribromophenol	97.3	50-142		%REC	242646	1	05/16/2017 21:34	YH
Surr: 2-Fluorobiphenyl	92.3	46-124		%REC	242646	1	05/16/2017 21:34	YH
Surr: 2-Fluorophenol	51.9	25.3-120		%REC	242646	1	05/16/2017 21:34	YH
Surr: 4-Terphenyl-d14	102	45.1-133		%REC	242646	1	05/16/2017 21:34	YH
Surr: Nitrobenzene-d5	91.8	40.1-121		%REC	242646	1	05/16/2017 21:34	YH
Surr: Phenol-d5	32.4	16.3-120		%REC	242646	1	05/16/2017 21:34	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 17:55	LJ
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 17:55	LJ
1,1,2-Trichloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 17:55	LJ
1,1-Dichloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 17:55	LJ
1,1-Dichloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 17:55	LJ
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 17:55	LJ
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242665	1	05/15/2017 17:55	LJ
1,2-Dibromoethane	BRL	5.0		ug/L	242665	1	05/15/2017 17:55	LJ
1,2-Dichlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 17:55	LJ

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RMW-07
Project Name:	Phase II ESA Macon	**Collection Date:**	5/11/2017 12:06:00 PM
Lab ID:	1705B80-006	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,2-Dichloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 17:55	LJ
1,2-Dichloropropane	BRL	5.0		ug/L	242665	1	05/15/2017 17:55	LJ
1,3-Dichlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 17:55	LJ
1,4-Dichlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 17:55	LJ
2-Butanone	BRL	50		ug/L	242665	1	05/15/2017 17:55	LJ
2-Hexanone	BRL	10		ug/L	242665	1	05/15/2017 17:55	LJ
4-Methyl-2-pentanone	BRL	10		ug/L	242665	1	05/15/2017 17:55	LJ
Acetone	BRL	50		ug/L	242665	1	05/15/2017 17:55	LJ
Benzene	BRL	5.0		ug/L	242665	1	05/15/2017 17:55	LJ
Bromodichloromethane	BRL	5.0		ug/L	242665	1	05/15/2017 17:55	LJ
Bromoform	BRL	5.0		ug/L	242665	1	05/15/2017 17:55	LJ
Bromomethane	BRL	5.0		ug/L	242665	1	05/15/2017 17:55	LJ
Carbon disulfide	BRL	5.0		ug/L	242665	1	05/15/2017 17:55	LJ
Carbon tetrachloride	BRL	5.0		ug/L	242665	1	05/15/2017 17:55	LJ
Chlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 17:55	LJ
Chloroethane	BRL	10		ug/L	242665	1	05/15/2017 17:55	LJ
Chloroform	BRL	5.0		ug/L	242665	1	05/15/2017 17:55	LJ
Chloromethane	BRL	10		ug/L	242665	1	05/15/2017 17:55	LJ
cis-1,2-Dichloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 17:55	LJ
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242665	1	05/15/2017 17:55	LJ
Cyclohexane	BRL	5.0		ug/L	242665	1	05/15/2017 17:55	LJ
Dibromochloromethane	BRL	5.0		ug/L	242665	1	05/15/2017 17:55	LJ
Dichlorodifluoromethane	BRL	10		ug/L	242665	1	05/15/2017 17:55	LJ
Ethylbenzene	BRL	5.0		ug/L	242665	1	05/15/2017 17:55	LJ
Freon-113	BRL	10		ug/L	242665	1	05/15/2017 17:55	LJ
Isopropylbenzene	BRL	5.0		ug/L	242665	1	05/15/2017 17:55	LJ
m,p-Xylene	BRL	5.0		ug/L	242665	1	05/15/2017 17:55	LJ
Methyl acetate	BRL	5.0		ug/L	242665	1	05/15/2017 17:55	LJ
Methyl tert-butyl ether	BRL	5.0		ug/L	242665	1	05/15/2017 17:55	LJ
Methylcyclohexane	BRL	5.0		ug/L	242665	1	05/15/2017 17:55	LJ
Methylene chloride	BRL	5.0		ug/L	242665	1	05/15/2017 17:55	LJ
o-Xylene	BRL	5.0		ug/L	242665	1	05/15/2017 17:55	LJ
Styrene	BRL	5.0		ug/L	242665	1	05/15/2017 17:55	LJ
Tetrachloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 17:55	LJ
Toluene	BRL	5.0		ug/L	242665	1	05/15/2017 17:55	LJ
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 17:55	LJ
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242665	1	05/15/2017 17:55	LJ
Trichloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 17:55	LJ
Trichlorofluoromethane	BRL	5.0		ug/L	242665	1	05/15/2017 17:55	LJ
Vinyl chloride	BRL	2.0		ug/L	242665	1	05/15/2017 17:55	LJ
Surr: 4-Bromofluorobenzene	93.7	66.1-129		%REC	242665	1	05/15/2017 17:55	LJ

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RMW-07
Project Name:	Phase II ESA Macon	**Collection Date:**	5/11/2017 12:06:00 PM
Lab ID:	1705B80-006	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Surr: Dibromofluoromethane	101	83.6-123		%REC	242665	1	05/15/2017 17:55	LJ
Surr: Toluene-d8	105	81.8-118		%REC	242665	1	05/15/2017 17:55	LJ
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	242804	1	05/18/2017 19:08	AS
GASOLINE RANGE ORGANICS SW8015C				**(SW5030B)**				
TPH (Gasoline Range Organics)	BRL	0.50		mg/L	242815	1	05/18/2017 03:31	JE
Surr: a.a.a-trifluorotoluene	122	79.1-130		%REC	242815	1	05/18/2017 03:31	JE
DRO by Microextraction SW8015C				**(SW3511)**				
Diesel Range Organics	BRL	0.17		mg/L	242639	1	05/15/2017 23:08	RS
Surr: Dioctylphthalate	47.8	44.9-120		%REC	242639	1	05/15/2017 23:08	RS
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	242655	1	05/16/2017 20:59	IO
Barium	0.247	0.0200		mg/L	242655	1	05/16/2017 20:59	IO
Cadmium	BRL	0.0050		mg/L	242655	1	05/16/2017 20:59	IO
Chromium	BRL	0.0100		mg/L	242655	1	05/16/2017 20:59	IO
Lead	BRL	0.0100		mg/L	242655	1	05/16/2017 20:59	IO
Selenium	BRL	0.0200		mg/L	242655	1	05/16/2017 20:59	IO
Silver	BRL	0.0100		mg/L	242655	1	05/16/2017 20:59	IO

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RMW-09
Project Name:	Phase II ESA Macon	**Collection Date:**	5/11/2017 12:25:00 PM
Lab ID:	1705B80-007	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3510C)**				
1,1'-Biphenyl	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
2,4,5-Trichlorophenol	BRL	25		ug/L	242646	1	05/16/2017 22:01	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
2,4-Dichlorophenol	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
2,4-Dimethylphenol	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
2,4-Dinitrophenol	BRL	25		ug/L	242646	1	05/16/2017 22:01	YH
2,4-Dinitrotoluene	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
2,6-Dinitrotoluene	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
2-Chloronaphthalene	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
2-Chlorophenol	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
2-Methylnaphthalene	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
2-Methylphenol	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
2-Nitroaniline	BRL	25		ug/L	242646	1	05/16/2017 22:01	YH
2-Nitrophenol	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
3,3'-Dichlorobenzidine	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
3-Nitroaniline	BRL	25		ug/L	242646	1	05/16/2017 22:01	YH
4,6-Dinitro-2-methylphenol	BRL	25		ug/L	242646	1	05/16/2017 22:01	YH
4-Bromophenyl phenyl ether	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
4-Chloroaniline	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
4-Chlorophenyl phenyl ether	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
4-Methylphenol	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
4-Nitroaniline	BRL	25		ug/L	242646	1	05/16/2017 22:01	YH
4-Nitrophenol	BRL	25		ug/L	242646	1	05/16/2017 22:01	YH
Acenaphthene	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
Acenaphthylene	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
Acetophenone	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
Anthracene	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
Atrazine	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
Benz(a)anthracene	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
Benzaldehyde	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
Benzo(a)pyrene	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
Benzo(b)fluoranthene	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
Benzo(k)fluoranthene	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
Bis(2-chloroethoxy)methane	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
Bis(2-chloroethyl)ether	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
Bis(2-chloroisopropyl)ether	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
Bis(2-ethylhexyl)phthalate	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
Butyl benzyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
Caprolactam	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
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Analytical Environmental Services, Inc **Date:** 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RMW-09
Project Name:	Phase II ESA Macon	**Collection Date:**	5/11/2017 12:25:00 PM
Lab ID:	1705B80-007	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3510C)**				
Carbazole	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
Chrysene	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
Di-n-butyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
Di-n-octyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
Dibenzofuran	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
Diethyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
Dimethyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
Fluoranthene	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
Fluorene	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
Hexachlorobenzene	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
Hexachlorobutadiene	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
Hexachlorocyclopentadiene	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
Hexachloroethane	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
Isophorone	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
N-Nitrosodi-n-propylamine	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
N-Nitrosodiphenylamine	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
Naphthalene	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
Nitrobenzene	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
Pentachlorophenol	BRL	25		ug/L	242646	1	05/16/2017 22:01	YH
Phenanthrene	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
Phenol	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
Pyrene	BRL	10		ug/L	242646	1	05/16/2017 22:01	YH
Surr: 2,4,6-Tribromophenol	52.4	50-142		%REC	242646	1	05/16/2017 22:01	YH
Surr: 2-Fluorobiphenyl	93.9	46-124		%REC	242646	1	05/16/2017 22:01	YH
Surr: 2-Fluorophenol	8.08	25.3-120	S	%REC	242646	1	05/16/2017 22:01	YH
Surr: 4-Terphenyl-d14	91.1	45.1-133		%REC	242646	1	05/16/2017 22:01	YH
Surr: Nitrobenzene-d5	89	40.1-121		%REC	242646	1	05/16/2017 22:01	YH
Surr: Phenol-d5	4.16	16.3-120	S	%REC	242646	1	05/16/2017 22:01	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242665	1	05/16/2017 20:45	LJ
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242665	1	05/16/2017 20:45	LJ
1,1,2-Trichloroethane	BRL	5.0		ug/L	242665	1	05/16/2017 20:45	LJ
1,1-Dichloroethane	BRL	5.0		ug/L	242665	1	05/16/2017 20:45	LJ
1,1-Dichloroethene	BRL	5.0		ug/L	242665	1	05/16/2017 20:45	LJ
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242665	1	05/16/2017 20:45	LJ
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242665	1	05/16/2017 20:45	LJ
1,2-Dibromoethane	BRL	5.0		ug/L	242665	1	05/16/2017 20:45	LJ
1,2-Dichlorobenzene	BRL	5.0		ug/L	242665	1	05/16/2017 20:45	LJ

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RMW-09
Project Name:	Phase II ESA Macon	**Collection Date:**	5/11/2017 12:25:00 PM
Lab ID:	1705B80-007	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,2-Dichloroethane	BRL	5.0		ug/L	242665	1	05/16/2017 20:45	LJ
1,2-Dichloropropane	BRL	5.0		ug/L	242665	1	05/16/2017 20:45	LJ
1,3-Dichlorobenzene	BRL	5.0		ug/L	242665	1	05/16/2017 20:45	LJ
1,4-Dichlorobenzene	BRL	5.0		ug/L	242665	1	05/16/2017 20:45	LJ
2-Butanone	BRL	50		ug/L	242665	1	05/16/2017 20:45	LJ
2-Hexanone	BRL	10		ug/L	242665	1	05/16/2017 20:45	LJ
4-Methyl-2-pentanone	BRL	10		ug/L	242665	1	05/16/2017 20:45	LJ
Acetone	BRL	50		ug/L	242665	1	05/16/2017 20:45	LJ
Benzene	BRL	5.0		ug/L	242665	1	05/16/2017 20:45	LJ
Bromodichloromethane	BRL	5.0		ug/L	242665	1	05/16/2017 20:45	LJ
Bromoform	BRL	5.0		ug/L	242665	1	05/16/2017 20:45	LJ
Bromomethane	BRL	5.0		ug/L	242665	1	05/16/2017 20:45	LJ
Carbon disulfide	BRL	5.0		ug/L	242665	1	05/16/2017 20:45	LJ
Carbon tetrachloride	BRL	5.0		ug/L	242665	1	05/16/2017 20:45	LJ
Chlorobenzene	BRL	5.0		ug/L	242665	1	05/16/2017 20:45	LJ
Chloroethane	BRL	10		ug/L	242665	1	05/16/2017 20:45	LJ
Chloroform	BRL	5.0		ug/L	242665	1	05/16/2017 20:45	LJ
Chloromethane	BRL	10		ug/L	242665	1	05/16/2017 20:45	LJ
cis-1,2-Dichloroethene	BRL	5.0		ug/L	242665	1	05/16/2017 20:45	LJ
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242665	1	05/16/2017 20:45	LJ
Cyclohexane	BRL	5.0		ug/L	242665	1	05/16/2017 20:45	LJ
Dibromochloromethane	BRL	5.0		ug/L	242665	1	05/16/2017 20:45	LJ
Dichlorodifluoromethane	BRL	10		ug/L	242665	1	05/16/2017 20:45	LJ
Ethylbenzene	BRL	5.0		ug/L	242665	1	05/16/2017 20:45	LJ
Freon-113	BRL	10		ug/L	242665	1	05/16/2017 20:45	LJ
Isopropylbenzene	BRL	5.0		ug/L	242665	1	05/16/2017 20:45	LJ
m,p-Xylene	BRL	5.0		ug/L	242665	1	05/16/2017 20:45	LJ
Methyl acetate	BRL	5.0		ug/L	242665	1	05/16/2017 20:45	LJ
Methyl tert-butyl ether	1500	250		ug/L	242665	50	05/15/2017 20:30	LJ
Methylcyclohexane	BRL	5.0		ug/L	242665	1	05/16/2017 20:45	LJ
Methylene chloride	BRL	5.0		ug/L	242665	1	05/16/2017 20:45	LJ
o-Xylene	BRL	5.0		ug/L	242665	1	05/16/2017 20:45	LJ
Styrene	BRL	5.0		ug/L	242665	1	05/16/2017 20:45	LJ
Tetrachloroethene	BRL	5.0		ug/L	242665	1	05/16/2017 20:45	LJ
Toluene	BRL	5.0		ug/L	242665	1	05/16/2017 20:45	LJ
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242665	1	05/16/2017 20:45	LJ
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242665	1	05/16/2017 20:45	LJ
Trichloroethene	BRL	5.0		ug/L	242665	1	05/16/2017 20:45	LJ
Trichlorofluoromethane	BRL	5.0		ug/L	242665	1	05/16/2017 20:45	LJ
Vinyl chloride	BRL	2.0		ug/L	242665	1	05/16/2017 20:45	LJ
Surr: 4-Bromofluorobenzene	93.6	66.1-129		%REC	242665	50	05/15/2017 20:30	LJ

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	RMW-09
Project Name:	Phase II ESA Macon	**Collection Date:**	5/11/2017 12:25:00 PM
Lab ID:	1705B80-007	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Surr: 4-Bromofluorobenzene	92.2	66.1-129		%REC	242665	1	05/16/2017 20:45	LJ
Surr: Dibromofluoromethane	101	83.6-123		%REC	242665	50	05/15/2017 20:30	LJ
Surr: Toluene-d8	105	81.8-118		%REC	242665	50	05/15/2017 20:30	LJ
Surr: Toluene-d8	101	81.8-118		%REC	242665	1	05/16/2017 20:45	LJ
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	242804	1	05/18/2017 19:12	AS
GASOLINE RANGE ORGANICS SW8015C				**(SW5030B)**				
TPH (Gasoline Range Organics)	2.8	0.50		mg/L	242815	1	05/18/2017 03:58	JE
Surr: a,a,a-trifluorotoluene	125	79.1-130		%REC	242815	1	05/18/2017 03:58	JE
DRO by Microextraction SW8015C				**(SW3511)**				
Diesel Range Organics	BRL	0.17		mg/L	242639	1	05/16/2017 19:06	RS
Surr: Dioctylphthalate	51.2	44.9-120		%REC	242639	1	05/16/2017 19:06	RS
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	242655	1	05/16/2017 21:02	IO
Barium	0.913	0.0200		mg/L	242655	1	05/16/2017 21:02	IO
Cadmium	BRL	0.0050		mg/L	242655	1	05/16/2017 21:02	IO
Chromium	BRL	0.0100		mg/L	242655	1	05/16/2017 21:02	IO
Lead	BRL	0.0100		mg/L	242655	1	05/16/2017 21:02	IO
Selenium	BRL	0.0200		mg/L	242655	1	05/16/2017 21:02	IO
Silver	BRL	0.0100		mg/L	242655	1	05/16/2017 21:02	IO

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	DUP-01
Project Name:	Phase II ESA Macon	**Collection Date:**	5/10/2017
Lab ID:	1705B80-008	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3510C)**			
1,1´-Biphenyl	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
2,4,5-Trichlorophenol	BRL	25		ug/L	242646	1	05/16/2017 22:28	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
2,4-Dichlorophenol	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
2,4-Dimethylphenol	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
2,4-Dinitrophenol	BRL	25		ug/L	242646	1	05/16/2017 22:28	YH
2,4-Dinitrotoluene	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
2,6-Dinitrotoluene	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
2-Chloronaphthalene	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
2-Chlorophenol	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
2-Methylnaphthalene	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
2-Methylphenol	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
2-Nitroaniline	BRL	25		ug/L	242646	1	05/16/2017 22:28	YH
2-Nitrophenol	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
3,3´-Dichlorobenzidine	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
3-Nitroaniline	BRL	25		ug/L	242646	1	05/16/2017 22:28	YH
4,6-Dinitro-2-methylphenol	BRL	25		ug/L	242646	1	05/16/2017 22:28	YH
4-Bromophenyl phenyl ether	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
4-Chloroaniline	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
4-Chlorophenyl phenyl ether	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
4-Methylphenol	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
4-Nitroaniline	BRL	25		ug/L	242646	1	05/16/2017 22:28	YH
4-Nitrophenol	BRL	25		ug/L	242646	1	05/16/2017 22:28	YH
Acenaphthene	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
Acenaphthylene	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
Acetophenone	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
Anthracene	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
Atrazine	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
Benz(a)anthracene	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
Benzaldehyde	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
Benzo(a)pyrene	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
Benzo(b)fluoranthene	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
Benzo(k)fluoranthene	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
Bis(2-chloroethoxy)methane	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
Bis(2-chloroethyl)ether	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
Bis(2-chloroisopropyl)ether	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
Bis(2-ethylhexyl)phthalate	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
Butyl benzyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
Caprolactam	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc Date: 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	DUP-01
Project Name:	Phase II ESA Macon	**Collection Date:**	5/10/2017
Lab ID:	1705B80-008	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3510C)**				
Carbazole	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
Chrysene	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
Di-n-butyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
Di-n-octyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
Dibenzofuran	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
Diethyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
Dimethyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
Fluoranthene	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
Fluorene	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
Hexachlorobenzene	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
Hexachlorobutadiene	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
Hexachlorocyclopentadiene	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
Hexachloroethane	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
Isophorone	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
N-Nitrosodi-n-propylamine	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
N-Nitrosodiphenylamine	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
Naphthalene	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
Nitrobenzene	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
Pentachlorophenol	BRL	25		ug/L	242646	1	05/16/2017 22:28	YH
Phenanthrene	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
Phenol	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
Pyrene	BRL	10		ug/L	242646	1	05/16/2017 22:28	YH
Surr: 2,4,6-Tribromophenol	90.1	50-142		%REC	242646	1	05/16/2017 22:28	YH
Surr: 2-Fluorobiphenyl	93.8	46-124		%REC	242646	1	05/16/2017 22:28	YH
Surr: 2-Fluorophenol	39.9	25.3-120		%REC	242646	1	05/16/2017 22:28	YH
Surr: 4-Terphenyl-d14	103	45.1-133		%REC	242646	1	05/16/2017 22:28	YH
Surr: Nitrobenzene-d5	90.6	40.1-121		%REC	242646	1	05/16/2017 22:28	YH
Surr: Phenol-d5	27.5	16.3-120		%REC	242646	1	05/16/2017 22:28	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 17:29	LJ
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 17:29	LJ
1,1,2-Trichloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 17:29	LJ
1,1-Dichloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 17:29	LJ
1,1-Dichloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 17:29	LJ
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 17:29	LJ
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242665	1	05/15/2017 17:29	LJ
1,2-Dibromoethane	BRL	5.0		ug/L	242665	1	05/15/2017 17:29	LJ
1,2-Dichlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 17:29	LJ

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	DUP-01
Project Name:	Phase II ESA Macon	**Collection Date:**	5/10/2017
Lab ID:	1705B80-008	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,2-Dichloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 17:29	LJ
1,2-Dichloropropane	BRL	5.0		ug/L	242665	1	05/15/2017 17:29	LJ
1,3-Dichlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 17:29	LJ
1,4-Dichlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 17:29	LJ
2-Butanone	BRL	50		ug/L	242665	1	05/15/2017 17:29	LJ
2-Hexanone	BRL	10		ug/L	242665	1	05/15/2017 17:29	LJ
4-Methyl-2-pentanone	BRL	10		ug/L	242665	1	05/15/2017 17:29	LJ
Acetone	BRL	50		ug/L	242665	1	05/15/2017 17:29	LJ
Benzene	BRL	5.0		ug/L	242665	1	05/15/2017 17:29	LJ
Bromodichloromethane	BRL	5.0		ug/L	242665	1	05/15/2017 17:29	LJ
Bromoform	BRL	5.0		ug/L	242665	1	05/15/2017 17:29	LJ
Bromomethane	BRL	5.0		ug/L	242665	1	05/15/2017 17:29	LJ
Carbon disulfide	BRL	5.0		ug/L	242665	1	05/15/2017 17:29	LJ
Carbon tetrachloride	BRL	5.0		ug/L	242665	1	05/15/2017 17:29	LJ
Chlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 17:29	LJ
Chloroethane	BRL	10		ug/L	242665	1	05/15/2017 17:29	LJ
Chloroform	BRL	5.0		ug/L	242665	1	05/15/2017 17:29	LJ
Chloromethane	BRL	10		ug/L	242665	1	05/15/2017 17:29	LJ
cis-1,2-Dichloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 17:29	LJ
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242665	1	05/15/2017 17:29	LJ
Cyclohexane	BRL	5.0		ug/L	242665	1	05/15/2017 17:29	LJ
Dibromochloromethane	BRL	5.0		ug/L	242665	1	05/15/2017 17:29	LJ
Dichlorodifluoromethane	BRL	10		ug/L	242665	1	05/15/2017 17:29	LJ
Ethylbenzene	BRL	5.0		ug/L	242665	1	05/15/2017 17:29	LJ
Freon-113	BRL	10		ug/L	242665	1	05/15/2017 17:29	LJ
Isopropylbenzene	BRL	5.0		ug/L	242665	1	05/15/2017 17:29	LJ
m,p-Xylene	BRL	5.0		ug/L	242665	1	05/15/2017 17:29	LJ
Methyl acetate	BRL	5.0		ug/L	242665	1	05/15/2017 17:29	LJ
Methyl tert-butyl ether	BRL	5.0		ug/L	242665	1	05/15/2017 17:29	LJ
Methylcyclohexane	BRL	5.0		ug/L	242665	1	05/15/2017 17:29	LJ
Methylene chloride	BRL	5.0		ug/L	242665	1	05/15/2017 17:29	LJ
o-Xylene	BRL	5.0		ug/L	242665	1	05/15/2017 17:29	LJ
Styrene	BRL	5.0		ug/L	242665	1	05/15/2017 17:29	LJ
Tetrachloroethene	140	5.0		ug/L	242665	1	05/15/2017 17:29	LJ
Toluene	BRL	5.0		ug/L	242665	1	05/15/2017 17:29	LJ
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 17:29	LJ
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242665	1	05/15/2017 17:29	LJ
Trichloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 17:29	LJ
Trichlorofluoromethane	BRL	5.0		ug/L	242665	1	05/15/2017 17:29	LJ
Vinyl chloride	BRL	2.0		ug/L	242665	1	05/15/2017 17:29	LJ
Surr: 4-Bromofluorobenzene	90.3	66.1-129		%REC	242665	1	05/15/2017 17:29	LJ

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc Date: 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	DUP-01
Project Name:	Phase II ESA Macon	**Collection Date:**	5/10/2017
Lab ID:	1705B80-008	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Surr: Dibromofluoromethane	100	83.6-123		%REC	242665	1	05/15/2017 17:29	LJ
Surr: Toluene-d8	107	81.8-118		%REC	242665	1	05/15/2017 17:29	LJ
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	242804	1	05/18/2017 19:16	AS
GASOLINE RANGE ORGANICS SW8015C				**(SW5030B)**				
TPH (Gasoline Range Organics)	BRL	0.50		mg/L	242815	1	05/18/2017 04:26	JE
Surr: a.a.a-trifluorotoluene	123	79.1-130		%REC	242815	1	05/18/2017 04:26	JE
DRO by Microextraction SW8015C				**(SW3511)**				
Diesel Range Organics	BRL	0.17		mg/L	242639	1	05/15/2017 23:54	RS
Surr: Dioctylphthalate	97	44.9-120		%REC	242639	1	05/15/2017 23:54	RS
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	242655	1	05/16/2017 21:06	IO
Barium	0.305	0.0200		mg/L	242655	1	05/16/2017 21:06	IO
Cadmium	BRL	0.0050		mg/L	242655	1	05/16/2017 21:06	IO
Chromium	BRL	0.0100		mg/L	242655	1	05/16/2017 21:06	IO
Lead	BRL	0.0100		mg/L	242655	1	05/16/2017 21:06	IO
Selenium	BRL	0.0200		mg/L	242655	1	05/16/2017 21:06	IO
Silver	BRL	0.0100		mg/L	242655	1	05/16/2017 21:06	IO

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	EQBL
Project Name:	Phase II ESA Macon	**Collection Date:**	5/10/2017 5:15:00 PM
Lab ID:	1705B80-009	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3510C)**			
1,1'-Biphenyl	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
2,4,5-Trichlorophenol	BRL	25		ug/L	242646	1	05/16/2017 22:56	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
2,4-Dichlorophenol	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
2,4-Dimethylphenol	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
2,4-Dinitrophenol	BRL	25		ug/L	242646	1	05/16/2017 22:56	YH
2,4-Dinitrotoluene	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
2,6-Dinitrotoluene	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
2-Chloronaphthalene	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
2-Chlorophenol	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
2-Methylnaphthalene	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
2-Methylphenol	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
2-Nitroaniline	BRL	25		ug/L	242646	1	05/16/2017 22:56	YH
2-Nitrophenol	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
3,3'-Dichlorobenzidine	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
3-Nitroaniline	BRL	25		ug/L	242646	1	05/16/2017 22:56	YH
4,6-Dinitro-2-methylphenol	BRL	25		ug/L	242646	1	05/16/2017 22:56	YH
4-Bromophenyl phenyl ether	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
4-Chloroaniline	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
4-Chlorophenyl phenyl ether	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
4-Methylphenol	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
4-Nitroaniline	BRL	25		ug/L	242646	1	05/16/2017 22:56	YH
4-Nitrophenol	BRL	25		ug/L	242646	1	05/16/2017 22:56	YH
Acenaphthene	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
Acenaphthylene	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
Acetophenone	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
Anthracene	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
Atrazine	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
Benz(a)anthracene	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
Benzaldehyde	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
Benzo(a)pyrene	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
Benzo(b)fluoranthene	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
Benzo(k)fluoranthene	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
Bis(2-chloroethoxy)methane	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
Bis(2-chloroethyl)ether	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
Bis(2-chloroisopropyl)ether	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
Bis(2-ethylhexyl)phthalate	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
Butyl benzyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
Caprolactam	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	EQBL
Project Name:	Phase II ESA Macon	**Collection Date:**	5/10/2017 5:15:00 PM
Lab ID:	1705B80-009	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3510C)**				
Carbazole	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
Chrysene	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
Di-n-butyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
Di-n-octyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
Dibenzofuran	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
Diethyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
Dimethyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
Fluoranthene	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
Fluorene	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
Hexachlorobenzene	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
Hexachlorobutadiene	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
Hexachlorocyclopentadiene	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
Hexachloroethane	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
Isophorone	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
N-Nitrosodi-n-propylamine	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
N-Nitrosodiphenylamine	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
Naphthalene	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
Nitrobenzene	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
Pentachlorophenol	BRL	25		ug/L	242646	1	05/16/2017 22:56	YH
Phenanthrene	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
Phenol	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
Pyrene	BRL	10		ug/L	242646	1	05/16/2017 22:56	YH
Surr: 2,4,6-Tribromophenol	102	50-142		%REC	242646	1	05/16/2017 22:56	YH
Surr: 2-Fluorobiphenyl	100	46-124		%REC	242646	1	05/16/2017 22:56	YH
Surr: 2-Fluorophenol	54.2	25.3-120		%REC	242646	1	05/16/2017 22:56	YH
Surr: 4-Terphenyl-d14	111	45.1-133		%REC	242646	1	05/16/2017 22:56	YH
Surr: Nitrobenzene-d5	96.6	40.1-121		%REC	242646	1	05/16/2017 22:56	YH
Surr: Phenol-d5	33.2	16.3-120		%REC	242646	1	05/16/2017 22:56	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 17:04	LJ
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 17:04	LJ
1,1,2-Trichloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 17:04	LJ
1,1-Dichloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 17:04	LJ
1,1-Dichloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 17:04	LJ
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 17:04	LJ
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242665	1	05/15/2017 17:04	LJ
1,2-Dibromoethane	BRL	5.0		ug/L	242665	1	05/15/2017 17:04	LJ
1,2-Dichlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 17:04	LJ

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	EQBL
Project Name:	Phase II ESA Macon	**Collection Date:**	5/10/2017 5:15:00 PM
Lab ID:	1705B80-009	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,2-Dichloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 17:04	LJ
1,2-Dichloropropane	BRL	5.0		ug/L	242665	1	05/15/2017 17:04	LJ
1,3-Dichlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 17:04	LJ
1,4-Dichlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 17:04	LJ
2-Butanone	BRL	50		ug/L	242665	1	05/15/2017 17:04	LJ
2-Hexanone	BRL	10		ug/L	242665	1	05/15/2017 17:04	LJ
4-Methyl-2-pentanone	BRL	10		ug/L	242665	1	05/15/2017 17:04	LJ
Acetone	BRL	50		ug/L	242665	1	05/15/2017 17:04	LJ
Benzene	BRL	5.0		ug/L	242665	1	05/15/2017 17:04	LJ
Bromodichloromethane	BRL	5.0		ug/L	242665	1	05/15/2017 17:04	LJ
Bromoform	BRL	5.0		ug/L	242665	1	05/15/2017 17:04	LJ
Bromomethane	BRL	5.0		ug/L	242665	1	05/15/2017 17:04	LJ
Carbon disulfide	BRL	5.0		ug/L	242665	1	05/15/2017 17:04	LJ
Carbon tetrachloride	BRL	5.0		ug/L	242665	1	05/15/2017 17:04	LJ
Chlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 17:04	LJ
Chloroethane	BRL	10		ug/L	242665	1	05/15/2017 17:04	LJ
Chloroform	BRL	5.0		ug/L	242665	1	05/15/2017 17:04	LJ
Chloromethane	BRL	10		ug/L	242665	1	05/15/2017 17:04	LJ
cis-1,2-Dichloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 17:04	LJ
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242665	1	05/15/2017 17:04	LJ
Cyclohexane	BRL	5.0		ug/L	242665	1	05/15/2017 17:04	LJ
Dibromochloromethane	BRL	5.0		ug/L	242665	1	05/15/2017 17:04	LJ
Dichlorodifluoromethane	BRL	10		ug/L	242665	1	05/15/2017 17:04	LJ
Ethylbenzene	BRL	5.0		ug/L	242665	1	05/15/2017 17:04	LJ
Freon-113	BRL	10		ug/L	242665	1	05/15/2017 17:04	LJ
Isopropylbenzene	BRL	5.0		ug/L	242665	1	05/15/2017 17:04	LJ
m,p-Xylene	BRL	5.0		ug/L	242665	1	05/15/2017 17:04	LJ
Methyl acetate	BRL	5.0		ug/L	242665	1	05/15/2017 17:04	LJ
Methyl tert-butyl ether	BRL	5.0		ug/L	242665	1	05/15/2017 17:04	LJ
Methylcyclohexane	BRL	5.0		ug/L	242665	1	05/15/2017 17:04	LJ
Methylene chloride	BRL	5.0		ug/L	242665	1	05/15/2017 17:04	LJ
o-Xylene	BRL	5.0		ug/L	242665	1	05/15/2017 17:04	LJ
Styrene	BRL	5.0		ug/L	242665	1	05/15/2017 17:04	LJ
Tetrachloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 17:04	LJ
Toluene	BRL	5.0		ug/L	242665	1	05/15/2017 17:04	LJ
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 17:04	LJ
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242665	1	05/15/2017 17:04	LJ
Trichloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 17:04	LJ
Trichlorofluoromethane	BRL	5.0		ug/L	242665	1	05/15/2017 17:04	LJ
Vinyl chloride	BRL	2.0		ug/L	242665	1	05/15/2017 17:04	LJ
Surr: 4-Bromofluorobenzene	93.7	66.1-129		%REC	242665	1	05/15/2017 17:04	LJ

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	EQBL
Project Name:	Phase II ESA Macon	**Collection Date:**	5/10/2017 5:15:00 PM
Lab ID:	1705B80-009	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Surr: Dibromofluoromethane	97.2	83.6-123		%REC	242665	1	05/15/2017 17:04	LJ
Surr: Toluene-d8	106	81.8-118		%REC	242665	1	05/15/2017 17:04	LJ
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	242804	1	05/18/2017 19:19	AS
GASOLINE RANGE ORGANICS SW8015C				**(SW5030B)**				
TPH (Gasoline Range Organics)	BRL	0.50		mg/L	242815	1	05/18/2017 04:52	JE
Surr: a.a.a-trifluorotoluene	124	79.1-130		%REC	242815	1	05/18/2017 04:52	JE
DRO by Microextraction SW8015C				**(SW3511)**				
Diesel Range Organics	BRL	0.18		mg/L	242639	1	05/16/2017 00:17	RS
Surr: Dioctylphthalate	52.6	44.9-120		%REC	242639	1	05/16/2017 00:17	RS
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	242655	1	05/16/2017 21:09	IO
Barium	BRL	0.0200		mg/L	242655	1	05/16/2017 21:09	IO
Cadmium	BRL	0.0050		mg/L	242655	1	05/16/2017 21:09	IO
Chromium	BRL	0.0100		mg/L	242655	1	05/16/2017 21:09	IO
Lead	BRL	0.0100		mg/L	242655	1	05/16/2017 21:09	IO
Selenium	BRL	0.0200		mg/L	242655	1	05/16/2017 21:09	IO
Silver	BRL	0.0100		mg/L	242655	1	05/16/2017 21:09	IO

Qualifiers:

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- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc Date: 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	FBL
Project Name:	Phase II ESA Macon	**Collection Date:**	5/10/2017 5:00:00 PM
Lab ID:	1705B80-010	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3510C)**			
1,1´-Biphenyl	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
2,4,5-Trichlorophenol	BRL	25		ug/L	242646	1	05/16/2017 23:23	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
2,4-Dichlorophenol	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
2,4-Dimethylphenol	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
2,4-Dinitrophenol	BRL	25		ug/L	242646	1	05/16/2017 23:23	YH
2,4-Dinitrotoluene	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
2,6-Dinitrotoluene	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
2-Chloronaphthalene	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
2-Chlorophenol	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
2-Methylnaphthalene	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
2-Methylphenol	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
2-Nitroaniline	BRL	25		ug/L	242646	1	05/16/2017 23:23	YH
2-Nitrophenol	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
3,3´-Dichlorobenzidine	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
3-Nitroaniline	BRL	25		ug/L	242646	1	05/16/2017 23:23	YH
4,6-Dinitro-2-methylphenol	BRL	25		ug/L	242646	1	05/16/2017 23:23	YH
4-Bromophenyl phenyl ether	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
4-Chloroaniline	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
4-Chlorophenyl phenyl ether	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
4-Methylphenol	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
4-Nitroaniline	BRL	25		ug/L	242646	1	05/16/2017 23:23	YH
4-Nitrophenol	BRL	25		ug/L	242646	1	05/16/2017 23:23	YH
Acenaphthene	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
Acenaphthylene	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
Acetophenone	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
Anthracene	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
Atrazine	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
Benz(a)anthracene	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
Benzaldehyde	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
Benzo(a)pyrene	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
Benzo(b)fluoranthene	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
Benzo(k)fluoranthene	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
Bis(2-chloroethoxy)methane	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
Bis(2-chloroethyl)ether	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
Bis(2-chloroisopropyl)ether	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
Bis(2-ethylhexyl)phthalate	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
Butyl benzyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
Caprolactam	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
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Analytical Environmental Services, Inc **Date:** 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	FBL
Project Name:	Phase II ESA Macon	**Collection Date:**	5/10/2017 5:00:00 PM
Lab ID:	1705B80-010	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3510C)**				
Carbazole	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
Chrysene	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
Di-n-butyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
Di-n-octyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
Dibenzofuran	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
Diethyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
Dimethyl phthalate	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
Fluoranthene	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
Fluorene	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
Hexachlorobenzene	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
Hexachlorobutadiene	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
Hexachlorocyclopentadiene	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
Hexachloroethane	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
Isophorone	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
N-Nitrosodi-n-propylamine	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
N-Nitrosodiphenylamine	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
Naphthalene	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
Nitrobenzene	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
Pentachlorophenol	BRL	25		ug/L	242646	1	05/16/2017 23:23	YH
Phenanthrene	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
Phenol	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
Pyrene	BRL	10		ug/L	242646	1	05/16/2017 23:23	YH
Surr: 2,4,6-Tribromophenol	98.7	50-142		%REC	242646	1	05/16/2017 23:23	YH
Surr: 2-Fluorobiphenyl	99.5	46-124		%REC	242646	1	05/16/2017 23:23	YH
Surr: 2-Fluorophenol	54.4	25.3-120		%REC	242646	1	05/16/2017 23:23	YH
Surr: 4-Terphenyl-d14	104	45.1-133		%REC	242646	1	05/16/2017 23:23	YH
Surr: Nitrobenzene-d5	100	40.1-121		%REC	242646	1	05/16/2017 23:23	YH
Surr: Phenol-d5	34	16.3-120		%REC	242646	1	05/16/2017 23:23	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242665	1	05/16/2017 12:30	LJ
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242665	1	05/16/2017 12:30	LJ
1,1,2-Trichloroethane	BRL	5.0		ug/L	242665	1	05/16/2017 12:30	LJ
1,1-Dichloroethane	BRL	5.0		ug/L	242665	1	05/16/2017 12:30	LJ
1,1-Dichloroethene	BRL	5.0		ug/L	242665	1	05/16/2017 12:30	LJ
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242665	1	05/16/2017 12:30	LJ
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242665	1	05/16/2017 12:30	LJ
1,2-Dibromoethane	BRL	5.0		ug/L	242665	1	05/16/2017 12:30	LJ
1,2-Dichlorobenzene	BRL	5.0		ug/L	242665	1	05/16/2017 12:30	LJ

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	FBL
Project Name:	Phase II ESA Macon	**Collection Date:**	5/10/2017 5:00:00 PM
Lab ID:	1705B80-010	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,2-Dichloroethane	BRL	5.0		ug/L	242665	1	05/16/2017 12:30	LJ
1,2-Dichloropropane	BRL	5.0		ug/L	242665	1	05/16/2017 12:30	LJ
1,3-Dichlorobenzene	BRL	5.0		ug/L	242665	1	05/16/2017 12:30	LJ
1,4-Dichlorobenzene	BRL	5.0		ug/L	242665	1	05/16/2017 12:30	LJ
2-Butanone	BRL	50		ug/L	242665	1	05/16/2017 12:30	LJ
2-Hexanone	BRL	10		ug/L	242665	1	05/16/2017 12:30	LJ
4-Methyl-2-pentanone	BRL	10		ug/L	242665	1	05/16/2017 12:30	LJ
Acetone	BRL	50		ug/L	242665	1	05/16/2017 12:30	LJ
Benzene	BRL	5.0		ug/L	242665	1	05/16/2017 12:30	LJ
Bromodichloromethane	BRL	5.0		ug/L	242665	1	05/16/2017 12:30	LJ
Bromoform	BRL	5.0		ug/L	242665	1	05/16/2017 12:30	LJ
Bromomethane	BRL	5.0		ug/L	242665	1	05/16/2017 12:30	LJ
Carbon disulfide	BRL	5.0		ug/L	242665	1	05/16/2017 12:30	LJ
Carbon tetrachloride	BRL	5.0		ug/L	242665	1	05/16/2017 12:30	LJ
Chlorobenzene	BRL	5.0		ug/L	242665	1	05/16/2017 12:30	LJ
Chloroethane	BRL	10		ug/L	242665	1	05/16/2017 12:30	LJ
Chloroform	BRL	5.0		ug/L	242665	1	05/16/2017 12:30	LJ
Chloromethane	BRL	10		ug/L	242665	1	05/16/2017 12:30	LJ
cis-1,2-Dichloroethene	BRL	5.0		ug/L	242665	1	05/16/2017 12:30	LJ
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242665	1	05/16/2017 12:30	LJ
Cyclohexane	BRL	5.0		ug/L	242665	1	05/16/2017 12:30	LJ
Dibromochloromethane	BRL	5.0		ug/L	242665	1	05/16/2017 12:30	LJ
Dichlorodifluoromethane	BRL	10		ug/L	242665	1	05/16/2017 12:30	LJ
Ethylbenzene	BRL	5.0		ug/L	242665	1	05/16/2017 12:30	LJ
Freon-113	BRL	10		ug/L	242665	1	05/16/2017 12:30	LJ
Isopropylbenzene	BRL	5.0		ug/L	242665	1	05/16/2017 12:30	LJ
m,p-Xylene	BRL	5.0		ug/L	242665	1	05/16/2017 12:30	LJ
Methyl acetate	BRL	5.0		ug/L	242665	1	05/16/2017 12:30	LJ
Methyl tert-butyl ether	BRL	5.0		ug/L	242665	1	05/16/2017 12:30	LJ
Methylcyclohexane	BRL	5.0		ug/L	242665	1	05/16/2017 12:30	LJ
Methylene chloride	BRL	5.0		ug/L	242665	1	05/16/2017 12:30	LJ
o-Xylene	BRL	5.0		ug/L	242665	1	05/16/2017 12:30	LJ
Styrene	BRL	5.0		ug/L	242665	1	05/16/2017 12:30	LJ
Tetrachloroethene	BRL	5.0		ug/L	242665	1	05/16/2017 12:30	LJ
Toluene	BRL	5.0		ug/L	242665	1	05/16/2017 12:30	LJ
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242665	1	05/16/2017 12:30	LJ
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242665	1	05/16/2017 12:30	LJ
Trichloroethene	BRL	5.0		ug/L	242665	1	05/16/2017 12:30	LJ
Trichlorofluoromethane	BRL	5.0		ug/L	242665	1	05/16/2017 12:30	LJ
Vinyl chloride	BRL	2.0		ug/L	242665	1	05/16/2017 12:30	LJ
Surr: 4-Bromofluorobenzene	93.6	66.1-129		%REC	242665	1	05/16/2017 12:30	LJ

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
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- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	FBL
Project Name:	Phase II ESA Macon	**Collection Date:**	5/10/2017 5:00:00 PM
Lab ID:	1705B80-010	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Surr: Dibromofluoromethane	97.6	83.6-123		%REC	242665	1	05/16/2017 12:30	LJ
Surr: Toluene-d8	104	81.8-118		%REC	242665	1	05/16/2017 12:30	LJ
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	242804	1	05/18/2017 19:24	AS
GASOLINE RANGE ORGANICS SW8015C				**(SW5030B)**				
TPH (Gasoline Range Organics)	BRL	0.50		mg/L	242815	1	05/18/2017 05:19	JE
Surr: a.a.a-trifluorotoluene	124	79.1-130		%REC	242815	1	05/18/2017 05:19	JE
DRO by Microextraction SW8015C				**(SW3511)**				
Diesel Range Organics	BRL	0.18		mg/L	242639	1	05/16/2017 00:40	RS
Surr: Dioctylphthalate	75.4	44.9-120		%REC	242639	1	05/16/2017 00:40	RS
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	242655	1	05/16/2017 21:19	IO
Barium	BRL	0.0200		mg/L	242655	1	05/16/2017 21:19	IO
Cadmium	BRL	0.0050		mg/L	242655	1	05/16/2017 21:19	IO
Chromium	BRL	0.0100		mg/L	242655	1	05/16/2017 21:19	IO
Lead	BRL	0.0100		mg/L	242655	1	05/16/2017 21:19	IO
Selenium	BRL	0.0200		mg/L	242655	1	05/16/2017 21:19	IO
Silver	BRL	0.0100		mg/L	242655	1	05/16/2017 21:19	IO

Qualifiers:

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- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	TRIP BLANK #1
Project Name:	Phase II ESA Macon	**Collection Date:**	5/12/2017
Lab ID:	1705B80-011	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5030B)**			
1,1,1-Trichloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 13:11	LJ
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 13:11	LJ
1,1,2-Trichloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 13:11	LJ
1,1-Dichloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 13:11	LJ
1,1-Dichloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 13:11	LJ
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 13:11	LJ
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242665	1	05/15/2017 13:11	LJ
1,2-Dibromoethane	BRL	5.0		ug/L	242665	1	05/15/2017 13:11	LJ
1,2-Dichlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 13:11	LJ
1,2-Dichloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 13:11	LJ
1,2-Dichloropropane	BRL	5.0		ug/L	242665	1	05/15/2017 13:11	LJ
1,3-Dichlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 13:11	LJ
1,4-Dichlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 13:11	LJ
2-Butanone	BRL	50		ug/L	242665	1	05/15/2017 13:11	LJ
2-Hexanone	BRL	10		ug/L	242665	1	05/15/2017 13:11	LJ
4-Methyl-2-pentanone	BRL	10		ug/L	242665	1	05/15/2017 13:11	LJ
Acetone	BRL	50		ug/L	242665	1	05/15/2017 13:11	LJ
Benzene	BRL	5.0		ug/L	242665	1	05/15/2017 13:11	LJ
Bromodichloromethane	BRL	5.0		ug/L	242665	1	05/15/2017 13:11	LJ
Bromoform	BRL	5.0		ug/L	242665	1	05/15/2017 13:11	LJ
Bromomethane	BRL	5.0		ug/L	242665	1	05/15/2017 13:11	LJ
Carbon disulfide	BRL	5.0		ug/L	242665	1	05/15/2017 13:11	LJ
Carbon tetrachloride	BRL	5.0		ug/L	242665	1	05/15/2017 13:11	LJ
Chlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 13:11	LJ
Chloroethane	BRL	10		ug/L	242665	1	05/15/2017 13:11	LJ
Chloroform	BRL	5.0		ug/L	242665	1	05/15/2017 13:11	LJ
Chloromethane	BRL	10		ug/L	242665	1	05/15/2017 13:11	LJ
cis-1,2-Dichloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 13:11	LJ
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242665	1	05/15/2017 13:11	LJ
Cyclohexane	BRL	5.0		ug/L	242665	1	05/15/2017 13:11	LJ
Dibromochloromethane	BRL	5.0		ug/L	242665	1	05/15/2017 13:11	LJ
Dichlorodifluoromethane	BRL	10		ug/L	242665	1	05/15/2017 13:11	LJ
Ethylbenzene	BRL	5.0		ug/L	242665	1	05/15/2017 13:11	LJ
Freon-113	BRL	10		ug/L	242665	1	05/15/2017 13:11	LJ
Isopropylbenzene	BRL	5.0		ug/L	242665	1	05/15/2017 13:11	LJ
m,p-Xylene	BRL	5.0		ug/L	242665	1	05/15/2017 13:11	LJ
Methyl acetate	BRL	5.0		ug/L	242665	1	05/15/2017 13:11	LJ
Methyl tert-butyl ether	BRL	5.0		ug/L	242665	1	05/15/2017 13:11	LJ
Methylcyclohexane	BRL	5.0		ug/L	242665	1	05/15/2017 13:11	LJ
Methylene chloride	BRL	5.0		ug/L	242665	1	05/15/2017 13:11	LJ
o-Xylene	BRL	5.0		ug/L	242665	1	05/15/2017 13:11	LJ

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	TRIP BLANK #1
Project Name:	Phase II ESA Macon	**Collection Date:**	5/12/2017
Lab ID:	1705B80-011	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242665	1	05/15/2017 13:11	LJ
Tetrachloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 13:11	LJ
Toluene	BRL	5.0		ug/L	242665	1	05/15/2017 13:11	LJ
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 13:11	LJ
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242665	1	05/15/2017 13:11	LJ
Trichloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 13:11	LJ
Trichlorofluoromethane	BRL	5.0		ug/L	242665	1	05/15/2017 13:11	LJ
Vinyl chloride	BRL	2.0		ug/L	242665	1	05/15/2017 13:11	LJ
Surr: 4-Bromofluorobenzene	97.9	66.1-129		%REC	242665	1	05/15/2017 13:11	LJ
Surr: Dibromofluoromethane	102	83.6-123		%REC	242665	1	05/15/2017 13:11	LJ
Surr: Toluene-d8	106	81.8-118		%REC	242665	1	05/15/2017 13:11	LJ

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	TRIP BLANK #2
Project Name:	Phase II ESA Macon	**Collection Date:**	5/12/2017
Lab ID:	1705B80-012	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5030B)**			
1,1,1-Trichloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 13:37	LJ
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 13:37	LJ
1,1,2-Trichloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 13:37	LJ
1,1-Dichloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 13:37	LJ
1,1-Dichloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 13:37	LJ
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 13:37	LJ
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242665	1	05/15/2017 13:37	LJ
1,2-Dibromoethane	BRL	5.0		ug/L	242665	1	05/15/2017 13:37	LJ
1,2-Dichlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 13:37	LJ
1,2-Dichloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 13:37	LJ
1,2-Dichloropropane	BRL	5.0		ug/L	242665	1	05/15/2017 13:37	LJ
1,3-Dichlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 13:37	LJ
1,4-Dichlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 13:37	LJ
2-Butanone	BRL	50		ug/L	242665	1	05/15/2017 13:37	LJ
2-Hexanone	BRL	10		ug/L	242665	1	05/15/2017 13:37	LJ
4-Methyl-2-pentanone	BRL	10		ug/L	242665	1	05/15/2017 13:37	LJ
Acetone	BRL	50		ug/L	242665	1	05/15/2017 13:37	LJ
Benzene	BRL	5.0		ug/L	242665	1	05/15/2017 13:37	LJ
Bromodichloromethane	BRL	5.0		ug/L	242665	1	05/15/2017 13:37	LJ
Bromoform	BRL	5.0		ug/L	242665	1	05/15/2017 13:37	LJ
Bromomethane	BRL	5.0		ug/L	242665	1	05/15/2017 13:37	LJ
Carbon disulfide	BRL	5.0		ug/L	242665	1	05/15/2017 13:37	LJ
Carbon tetrachloride	BRL	5.0		ug/L	242665	1	05/15/2017 13:37	LJ
Chlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 13:37	LJ
Chloroethane	BRL	10		ug/L	242665	1	05/15/2017 13:37	LJ
Chloroform	BRL	5.0		ug/L	242665	1	05/15/2017 13:37	LJ
Chloromethane	BRL	10		ug/L	242665	1	05/15/2017 13:37	LJ
cis-1,2-Dichloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 13:37	LJ
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242665	1	05/15/2017 13:37	LJ
Cyclohexane	BRL	5.0		ug/L	242665	1	05/15/2017 13:37	LJ
Dibromochloromethane	BRL	5.0		ug/L	242665	1	05/15/2017 13:37	LJ
Dichlorodifluoromethane	BRL	10		ug/L	242665	1	05/15/2017 13:37	LJ
Ethylbenzene	BRL	5.0		ug/L	242665	1	05/15/2017 13:37	LJ
Freon-113	BRL	10		ug/L	242665	1	05/15/2017 13:37	LJ
Isopropylbenzene	BRL	5.0		ug/L	242665	1	05/15/2017 13:37	LJ
m,p-Xylene	BRL	5.0		ug/L	242665	1	05/15/2017 13:37	LJ
Methyl acetate	BRL	5.0		ug/L	242665	1	05/15/2017 13:37	LJ
Methyl tert-butyl ether	BRL	5.0		ug/L	242665	1	05/15/2017 13:37	LJ
Methylcyclohexane	BRL	5.0		ug/L	242665	1	05/15/2017 13:37	LJ
Methylene chloride	BRL	5.0		ug/L	242665	1	05/15/2017 13:37	LJ
o-Xylene	BRL	5.0		ug/L	242665	1	05/15/2017 13:37	LJ

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	TRIP BLANK #2
Project Name:	Phase II ESA Macon	**Collection Date:**	5/12/2017
Lab ID:	1705B80-012	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242665	1	05/15/2017 13:37	LJ
Tetrachloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 13:37	LJ
Toluene	BRL	5.0		ug/L	242665	1	05/15/2017 13:37	LJ
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 13:37	LJ
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242665	1	05/15/2017 13:37	LJ
Trichloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 13:37	LJ
Trichlorofluoromethane	BRL	5.0		ug/L	242665	1	05/15/2017 13:37	LJ
Vinyl chloride	BRL	2.0		ug/L	242665	1	05/15/2017 13:37	LJ
Surr: 4-Bromofluorobenzene	93.9	66.1-129		%REC	242665	1	05/15/2017 13:37	LJ
Surr: Dibromofluoromethane	99.1	83.6-123		%REC	242665	1	05/15/2017 13:37	LJ
Surr: Toluene-d8	107	81.8-118		%REC	242665	1	05/15/2017 13:37	LJ

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	TRIP BLANK #3
Project Name:	Phase II ESA Macon	**Collection Date:**	5/12/2017
Lab ID:	1705B80-013	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5030B)**			
1,1,1-Trichloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 14:03	LJ
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 14:03	LJ
1,1,2-Trichloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 14:03	LJ
1,1-Dichloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 14:03	LJ
1,1-Dichloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 14:03	LJ
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 14:03	LJ
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242665	1	05/15/2017 14:03	LJ
1,2-Dibromoethane	BRL	5.0		ug/L	242665	1	05/15/2017 14:03	LJ
1,2-Dichlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 14:03	LJ
1,2-Dichloroethane	BRL	5.0		ug/L	242665	1	05/15/2017 14:03	LJ
1,2-Dichloropropane	BRL	5.0		ug/L	242665	1	05/15/2017 14:03	LJ
1,3-Dichlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 14:03	LJ
1,4-Dichlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 14:03	LJ
2-Butanone	BRL	50		ug/L	242665	1	05/15/2017 14:03	LJ
2-Hexanone	BRL	10		ug/L	242665	1	05/15/2017 14:03	LJ
4-Methyl-2-pentanone	BRL	10		ug/L	242665	1	05/15/2017 14:03	LJ
Acetone	BRL	50		ug/L	242665	1	05/15/2017 14:03	LJ
Benzene	BRL	5.0		ug/L	242665	1	05/15/2017 14:03	LJ
Bromodichloromethane	BRL	5.0		ug/L	242665	1	05/15/2017 14:03	LJ
Bromoform	BRL	5.0		ug/L	242665	1	05/15/2017 14:03	LJ
Bromomethane	BRL	5.0		ug/L	242665	1	05/15/2017 14:03	LJ
Carbon disulfide	BRL	5.0		ug/L	242665	1	05/15/2017 14:03	LJ
Carbon tetrachloride	BRL	5.0		ug/L	242665	1	05/15/2017 14:03	LJ
Chlorobenzene	BRL	5.0		ug/L	242665	1	05/15/2017 14:03	LJ
Chloroethane	BRL	10		ug/L	242665	1	05/15/2017 14:03	LJ
Chloroform	BRL	5.0		ug/L	242665	1	05/15/2017 14:03	LJ
Chloromethane	BRL	10		ug/L	242665	1	05/15/2017 14:03	LJ
cis-1,2-Dichloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 14:03	LJ
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242665	1	05/15/2017 14:03	LJ
Cyclohexane	BRL	5.0		ug/L	242665	1	05/15/2017 14:03	LJ
Dibromochloromethane	BRL	5.0		ug/L	242665	1	05/15/2017 14:03	LJ
Dichlorodifluoromethane	BRL	10		ug/L	242665	1	05/15/2017 14:03	LJ
Ethylbenzene	BRL	5.0		ug/L	242665	1	05/15/2017 14:03	LJ
Freon-113	BRL	10		ug/L	242665	1	05/15/2017 14:03	LJ
Isopropylbenzene	BRL	5.0		ug/L	242665	1	05/15/2017 14:03	LJ
m,p-Xylene	BRL	5.0		ug/L	242665	1	05/15/2017 14:03	LJ
Methyl acetate	BRL	5.0		ug/L	242665	1	05/15/2017 14:03	LJ
Methyl tert-butyl ether	BRL	5.0		ug/L	242665	1	05/15/2017 14:03	LJ
Methylcyclohexane	BRL	5.0		ug/L	242665	1	05/15/2017 14:03	LJ
Methylene chloride	BRL	5.0		ug/L	242665	1	05/15/2017 14:03	LJ
o-Xylene	BRL	5.0		ug/L	242665	1	05/15/2017 14:03	LJ

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
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- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	TRIP BLANK #3
Project Name:	Phase II ESA Macon	**Collection Date:**	5/12/2017
Lab ID:	1705B80-013	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242665	1	05/15/2017 14:03	LJ
Tetrachloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 14:03	LJ
Toluene	BRL	5.0		ug/L	242665	1	05/15/2017 14:03	LJ
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 14:03	LJ
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242665	1	05/15/2017 14:03	LJ
Trichloroethene	BRL	5.0		ug/L	242665	1	05/15/2017 14:03	LJ
Trichlorofluoromethane	BRL	5.0		ug/L	242665	1	05/15/2017 14:03	LJ
Vinyl chloride	BRL	2.0		ug/L	242665	1	05/15/2017 14:03	LJ
Surr: 4-Bromofluorobenzene	94.6	66.1-129		%REC	242665	1	05/15/2017 14:03	LJ
Surr: Dibromofluoromethane	99.2	83.6-123		%REC	242665	1	05/15/2017 14:03	LJ
Surr: Toluene-d8	105	81.8-118		%REC	242665	1	05/15/2017 14:03	LJ

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 19-May-17

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: RMW-02				**Lab ID:**	1705B80-001		
Collection Date: 5/10/2017 4:00:00 PM				**Matrix:**	Groundwater		
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**			
Tetrachloroethene	130		0.46	5.0	ug/L	242665	1
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.314		0.0031	0.0200	mg/L	242655	1
Client Sample ID: RMW-03				**Lab ID:**	1705B80-002		
Collection Date: 5/10/2017 4:00:00 PM				**Matrix:**	Groundwater		
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.155		0.0031	0.0200	mg/L	242655	1
Client Sample ID: RMW-04				**Lab ID:**	1705B80-003		
Collection Date: 5/11/2017 8:50:00 AM				**Matrix:**	Groundwater		
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**			
1,2-Dibromo-3-chloropropane	7.5		0.68	5.0	ug/L	242665	1
2-Hexanone	70		0.67	10	ug/L	242665	1
4-Methyl-2-pentanone	26		0.44	10	ug/L	242665	1
Acetone	52		3.6	50	ug/L	242665	1
Benzene	540		37	500	ug/L	242665	100
Cyclohexane	96		1.0	5.0	ug/L	242665	1
Ethylbenzene	1700		26	500	ug/L	242665	100
Isopropylbenzene	89		0.43	5.0	ug/L	242665	1
m,p-Xylene	4500		60	500	ug/L	242665	100
Methyl acetate	19		0.42	5.0	ug/L	242665	1
Methyl tert-butyl ether	6.2		0.45	5.0	ug/L	242665	1
Methylcyclohexane	69		0.39	5.0	ug/L	242665	1
o-Xylene	2600		18	500	ug/L	242665	100
Styrene	150		0.15	5.0	ug/L	242665	1
Toluene	240		39	200	ug/L	242665	100
Trichloroethene	6.2		0.30	5.0	ug/L	242665	1
GASOLINE RANGE ORGANICS SW8015C				**(SW5030B)**			
TPH (Gasoline Range Organics)	31		1.0	10	mg/L	242815	20
DRO by Microextraction SW8015C				**(SW3511)**			
Diesel Range Organics	6.7		0.21	1.7	mg/L	242639	10
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.254		0.0031	0.0200	mg/L	242655	1
Client Sample ID: RMW-05				**Lab ID:**	1705B80-004		
Collection Date: 5/11/2017 8:50:00 AM				**Matrix:**	Groundwater		
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.0506		0.0031	0.0200	mg/L	242655	1
Client Sample ID: RMW-06				**Lab ID:**	1705B80-005		
Collection Date: 5/11/2017 10:06:00 AM				**Matrix:**	Groundwater		
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.146		0.0031	0.0200	mg/L	242655	1
Client Sample ID: RMW-07				**Lab ID:**	1705B80-006		
Collection Date: 5/11/2017 12:06:00 PM				**Matrix:**	Groundwater		

Analytical Environmental Services, Inc

Date: 19-May-17

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: RMW-07				**Lab ID:** 1705B80-006			
Collection Date: 5/11/2017 12:06:00 PM				**Matrix:** Groundwater			
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.247		0.0031	0.0200	mg/L	242655	1
Client Sample ID: RMW-09				**Lab ID:** 1705B80-007			
Collection Date: 5/11/2017 12:25:00 PM				**Matrix:** Groundwater			
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**			
Methyl tert-butyl ether	1500		22	250	ug/L	242665	50
GASOLINE RANGE ORGANICS SW8015C				**(SW5030B)**			
TPH (Gasoline Range Organics)	2.8		0.050	0.50	mg/L	242815	1
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.913		0.0031	0.0200	mg/L	242655	1
Client Sample ID: DUP-01				**Lab ID:** 1705B80-008			
Collection Date: 5/10/2017				**Matrix:** Groundwater			
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**			
Tetrachloroethene	140		0.46	5.0	ug/L	242665	1
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.305		0.0031	0.0200	mg/L	242655	1

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
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- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
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- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Clear Save as

ANALYTICAL ENVIRONMENTAL SERVICES, INC. AES

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: **Resolute Env. & Water Resources Consulting, LLC** AES Work Order Number: **1705B80**

2. Carrier: FedEx ☐ UPS ☐ USPS ☐ Client ■ Courier ☐ Other _____

		Yes	No	N/A	Details	Comments
3.	Shipping container/cooler received in good condition?	⊙	○	○	damaged ☐ leaking ☐ other ☐	
4.	Custody seals present on shipping container?	○	⊙	○		
5.	Custody seals intact on shipping container?	○	○	⊙		
6.	Temperature blanks present?	⊙	○	○		
7.	Cooler temperature(s) within limits of 0-8°C? [See item 13 and 14 for temperature recordings.]	⊙	○	○	Cooling initiated for recently collected samples / ice present ☐	
8.	Chain of Custody (COC) present?	⊙	○	○		
9.	Chain of Custody signed, dated, and timed when relinquished and received?	⊙	○	○		
10.	Sampler name and/or signature on COC?	⊙	○	○		
11.	Were all samples received within holding time?	⊙	○	○		
12.	TAT marked on the COC?	⊙	○	○	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. ☐	

13. Cooler 1 Temperature 3.8 °C Cooler 2 Temperature 2.4 °C Cooler 3 Temperature 4.9 °C Cooler 4 Temperature _____ °C

14. Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). MDP 5/12/17

		Yes	No	N/A	Details	Comments
16.	Were sample containers intact upon receipt?	⊙	○	○		
17.	Custody seals present on sample containers?	○	⊙	○		
18.	Custody seals intact on sample containers?	○	○	⊙		
19.	Do sample container labels match the COC?	○	⊙	○	incomplete info ■ illegible ☐ no label ☐ other ☐	
20.	Are analyses requested indicated on the COC?	⊙	○	○		
21.	Were all of the samples listed on the COC received?	⊙	○	○	samples received but not listed on COC ☐ samples listed on COC not received ☐	
22.	Was the sample collection date/time noted?	⊙	○	○		
23.	Did we receive sufficient sample volume for indicated analyses?	⊙	○	○		
24.	Were samples received in appropriate containers?	⊙	○	○		
25.	Were VOA samples received without headspace (< 1/4" bubble)?	○	⊙	○		
26.	Were trip blanks submitted?	⊙	○	○	listed on COC ☐ not listed on COC ■	

27. Comments: _____

I certify that I have completed sections 16-27 (dated initials). TR 5/12/17

		Yes	No	N/A	Details	Comments
28.	Have containers needing chemical preservation been checked?	⊙	○	○		
29.	Containers meet preservation guidelines?	⊙	○	○		
30.	Was pH adjusted?	○	⊙	○		

I certify that I have completed sections 28-30 (dated initials). TR 5/12/17

Checklist 1/19/17 Rev 0.

Locked

Analytical Environmental Services, Inc

Date: 19-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon
Lab Order: 1705B80

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1705B80-001A	RMW-02	5/10/2017 4:00:00PM	Groundwater	TCL VOLATILE ORGANICS		5/15/2017 11:00:00AM	05/15/2017
1705B80-001A	RMW-02	5/10/2017 4:00:00PM	Groundwater	GASOLINE RANGE ORGANICS		5/17/2017 10:09:00PM	05/18/2017
1705B80-001B	RMW-02	5/10/2017 4:00:00PM	Groundwater	DRO by Microextraction		5/15/2017 3:41:47PM	05/15/2017
1705B80-001C	RMW-02	5/10/2017 4:00:00PM	Groundwater	TOTAL METALS BY ICP		5/15/2017 8:46:00PM	05/16/2017
1705B80-001C	RMW-02	5/10/2017 4:00:00PM	Groundwater	TOTAL MERCURY		5/18/2017 12:54:00PM	05/18/2017
1705B80-001D	RMW-02	5/10/2017 4:00:00PM	Groundwater	TCL-SEMIVOLATILE ORGANICS		5/16/2017 12:00:00PM	05/16/2017
1705B80-002A	RMW-03	5/10/2017 4:00:00PM	Groundwater	TCL VOLATILE ORGANICS		5/15/2017 11:00:00AM	05/15/2017
1705B80-002A	RMW-03	5/10/2017 4:00:00PM	Groundwater	GASOLINE RANGE ORGANICS		5/17/2017 10:09:00PM	05/18/2017
1705B80-002B	RMW-03	5/10/2017 4:00:00PM	Groundwater	DRO by Microextraction		5/15/2017 3:41:47PM	05/15/2017
1705B80-002C	RMW-03	5/10/2017 4:00:00PM	Groundwater	TOTAL METALS BY ICP		5/15/2017 8:46:00PM	05/16/2017
1705B80-002C	RMW-03	5/10/2017 4:00:00PM	Groundwater	TOTAL MERCURY		5/18/2017 12:54:00PM	05/18/2017
1705B80-002D	RMW-03	5/10/2017 4:00:00PM	Groundwater	TCL-SEMIVOLATILE ORGANICS		5/16/2017 12:00:00PM	05/16/2017
1705B80-003A	RMW-04	5/11/2017 8:50:00AM	Groundwater	TCL VOLATILE ORGANICS		5/15/2017 11:00:00AM	05/15/2017
1705B80-003A	RMW-04	5/11/2017 8:50:00AM	Groundwater	TCL VOLATILE ORGANICS		5/15/2017 11:00:00AM	05/16/2017
1705B80-003A	RMW-04	5/11/2017 8:50:00AM	Groundwater	GASOLINE RANGE ORGANICS		5/17/2017 10:09:00PM	05/19/2017
1705B80-003B	RMW-04	5/11/2017 8:50:00AM	Groundwater	DRO by Microextraction		5/15/2017 3:41:47PM	05/15/2017
1705B80-003B	RMW-04	5/11/2017 8:50:00AM	Groundwater	DRO by Microextraction		5/15/2017 3:41:47PM	05/16/2017
1705B80-003C	RMW-04	5/11/2017 8:50:00AM	Groundwater	TOTAL METALS BY ICP		5/15/2017 8:46:00PM	05/16/2017
1705B80-003C	RMW-04	5/11/2017 8:50:00AM	Groundwater	TOTAL MERCURY		5/18/2017 12:54:00PM	05/18/2017
1705B80-004A	RMW-05	5/11/2017 8:50:00AM	Groundwater	TCL VOLATILE ORGANICS		5/15/2017 11:00:00AM	05/15/2017
1705B80-004A	RMW-05	5/11/2017 8:50:00AM	Groundwater	GASOLINE RANGE ORGANICS		5/17/2017 10:09:00PM	05/17/2017
1705B80-004B	RMW-05	5/11/2017 8:50:00AM	Groundwater	DRO by Microextraction		5/15/2017 3:41:47PM	05/15/2017
1705B80-004C	RMW-05	5/11/2017 8:50:00AM	Groundwater	TOTAL MERCURY		5/18/2017 12:54:00PM	05/18/2017
1705B80-004C	RMW-05	5/11/2017 8:50:00AM	Groundwater	TOTAL METALS BY ICP		5/15/2017 8:46:00PM	05/16/2017
1705B80-004C	RMW-05	5/11/2017 8:50:00AM	Groundwater	TOTAL MERCURY		5/18/2017 12:54:00PM	05/18/2017
1705B80-004D	RMW-05	5/11/2017 8:50:00AM	Groundwater	APPENDIX XI-SEMIVOLATILE ORGANIC		5/16/2017 12:00:00PM	05/16/2017
1705B80-004D	RMW-05	5/11/2017 8:50:00AM	Groundwater	TCL-SEMIVOLATILE ORGANICS		5/16/2017 12:00:00PM	05/16/2017
1705B80-005A	RMW-06	5/11/2017 10:06:00AM	Groundwater	TCL VOLATILE ORGANICS		5/15/2017 11:00:00AM	05/15/2017
1705B80-005A	RMW-06	5/11/2017 10:06:00AM	Groundwater	GASOLINE RANGE ORGANICS		5/17/2017 10:09:00PM	05/18/2017

Analytical Environmental Services, Inc

Date: 19-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon
Lab Order: 1705B80

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1705B80-005B	RMW-06	5/11/2017 10:06:00AM	Groundwater	DRO by Microextraction		5/16/2017 3:00:00PM	05/16/2017
1705B80-005C	RMW-06	5/11/2017 10:06:00AM	Groundwater	TOTAL METALS BY ICP		5/15/2017 8:46:00PM	05/16/2017
1705B80-005C	RMW-06	5/11/2017 10:06:00AM	Groundwater	TOTAL MERCURY		5/18/2017 12:54:00PM	05/18/2017
1705B80-005D	RMW-06	5/11/2017 10:06:00AM	Groundwater	TCL-SEMIVOLATILE ORGANICS		5/16/2017 12:00:00PM	05/16/2017
1705B80-006A	RMW-07	5/11/2017 12:06:00PM	Groundwater	TCL VOLATILE ORGANICS		5/15/2017 11:00:00AM	05/15/2017
1705B80-006A	RMW-07	5/11/2017 12:06:00PM	Groundwater	GASOLINE RANGE ORGANICS		5/17/2017 10:09:00PM	05/18/2017
1705B80-006B	RMW-07	5/11/2017 12:06:00PM	Groundwater	DRO by Microextraction		5/15/2017 3:41:47PM	05/15/2017
1705B80-006C	RMW-07	5/11/2017 12:06:00PM	Groundwater	TOTAL METALS BY ICP		5/15/2017 8:46:00PM	05/16/2017
1705B80-006C	RMW-07	5/11/2017 12:06:00PM	Groundwater	TOTAL MERCURY		5/18/2017 12:54:00PM	05/18/2017
1705B80-006D	RMW-07	5/11/2017 12:06:00PM	Groundwater	TCL-SEMIVOLATILE ORGANICS		5/16/2017 12:00:00PM	05/16/2017
1705B80-007A	RMW-09	5/11/2017 12:25:00PM	Groundwater	TCL VOLATILE ORGANICS		5/15/2017 11:00:00AM	05/15/2017
1705B80-007A	RMW-09	5/11/2017 12:25:00PM	Groundwater	TCL VOLATILE ORGANICS		5/15/2017 11:00:00AM	05/16/2017
1705B80-007A	RMW-09	5/11/2017 12:25:00PM	Groundwater	GASOLINE RANGE ORGANICS		5/17/2017 10:09:00PM	05/18/2017
1705B80-007B	RMW-09	5/11/2017 12:25:00PM	Groundwater	DRO by Microextraction		5/16/2017 3:00:00PM	05/16/2017
1705B80-007C	RMW-09	5/11/2017 12:25:00PM	Groundwater	TOTAL METALS BY ICP		5/15/2017 8:46:00PM	05/16/2017
1705B80-007C	RMW-09	5/11/2017 12:25:00PM	Groundwater	TOTAL MERCURY		5/18/2017 12:54:00PM	05/18/2017
1705B80-007D	RMW-09	5/11/2017 12:25:00PM	Groundwater	TCL-SEMIVOLATILE ORGANICS		5/16/2017 12:00:00PM	05/16/2017
1705B80-008A	DUP-01	5/10/2017 12:00:00AM	Groundwater	TCL VOLATILE ORGANICS		5/15/2017 11:00:00AM	05/15/2017
1705B80-008A	DUP-01	5/10/2017 12:00:00AM	Groundwater	GASOLINE RANGE ORGANICS		5/17/2017 10:09:00PM	05/18/2017
1705B80-008B	DUP-01	5/10/2017 12:00:00AM	Groundwater	DRO by Microextraction		5/15/2017 3:41:47PM	05/15/2017
1705B80-008C	DUP-01	5/10/2017 12:00:00AM	Groundwater	TOTAL METALS BY ICP		5/15/2017 8:46:00PM	05/16/2017
1705B80-008C	DUP-01	5/10/2017 12:00:00AM	Groundwater	TOTAL MERCURY		5/18/2017 12:54:00PM	05/18/2017
1705B80-008D	DUP-01	5/10/2017 12:00:00AM	Groundwater	TCL-SEMIVOLATILE ORGANICS		5/16/2017 12:00:00PM	05/16/2017
1705B80-009A	EQBL	5/10/2017 5:15:00PM	Aqueous	TCL VOLATILE ORGANICS		5/15/2017 11:00:00AM	05/15/2017
1705B80-009A	EQBL	5/10/2017 5:15:00PM	Aqueous	GASOLINE RANGE ORGANICS		5/17/2017 10:09:00PM	05/18/2017
1705B80-009B	EQBL	5/10/2017 5:15:00PM	Aqueous	DRO by Microextraction		5/15/2017 3:41:47PM	05/16/2017
1705B80-009C	EQBL	5/10/2017 5:15:00PM	Aqueous	TOTAL METALS BY ICP		5/15/2017 8:46:00PM	05/16/2017
1705B80-009C	EQBL	5/10/2017 5:15:00PM	Aqueous	TOTAL MERCURY		5/18/2017 12:54:00PM	05/18/2017
1705B80-009D	EQBL	5/10/2017 5:15:00PM	Aqueous	TCL-SEMIVOLATILE ORGANICS		5/16/2017 12:00:00PM	05/16/2017

Analytical Environmental Services, Inc

Date: 19-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC
Project Name:	Phase II ESA Macon
Lab Order:	1705B80

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1705B80-010A	FBL	5/10/2017 5:00:00PM	Aqueous	TCL VOLATILE ORGANICS		5/15/2017 11:00:00AM	05/16/2017
1705B80-010A	FBL	5/10/2017 5:00:00PM	Aqueous	GASOLINE RANGE ORGANICS		5/17/2017 10:09:00PM	05/18/2017
1705B80-010B	FBL	5/10/2017 5:00:00PM	Aqueous	DRO by Microextraction		5/15/2017 3:41:47PM	05/16/2017
1705B80-010C	FBL	5/10/2017 5:00:00PM	Aqueous	TOTAL METALS BY ICP		5/15/2017 8:46:00PM	05/16/2017
1705B80-010C	FBL	5/10/2017 5:00:00PM	Aqueous	TOTAL MERCURY		5/18/2017 12:54:00PM	05/18/2017
1705B80-010D	FBL	5/10/2017 5:00:00PM	Aqueous	TCL-SEMIVOLATILE ORGANICS		5/16/2017 12:00:00PM	05/16/2017
1705B80-011A	TRIP BLANK #1	5/12/2017 12:00:00AM	Aqueous	TCL VOLATILE ORGANICS		5/15/2017 11:00:00AM	05/15/2017
1705B80-012A	TRIP BLANK #2	5/12/2017 12:00:00AM	Aqueous	TCL VOLATILE ORGANICS		5/15/2017 11:00:00AM	05/15/2017
1705B80-013A	TRIP BLANK #3	5/12/2017 12:00:00AM	Aqueous	TCL VOLATILE ORGANICS		5/15/2017 11:00:00AM	05/15/2017

Analytical Environmental Services, Inc

Date: 22-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon
Workorder: 1705B80

ANALYTICAL QC SUMMARY REPORT

BatchID: 242639

Sample ID: **MB-242639** Client ID: Units: **mg/L** Prep Date: **05/15/2017** Run No: **343313**
SampleType: **MBLK** TestCode: **DRO by Microextraction** **SW8015C** BatchID: **242639** Analysis Date: **05/15/2017** Seq No: **7526738**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Diesel Range Organics	BRL	0.17									
Surr: Dioctylphthalate	0.02971	0	0.0286		104	44.9	120				

Sample ID: **LCS-242639** Client ID: Units: **mg/L** Prep Date: **05/15/2017** Run No: **343313**
SampleType: **LCS** TestCode: **DRO by Microextraction** **SW8015C** BatchID: **242639** Analysis Date: **05/15/2017** Seq No: **7526739**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Diesel Range Organics	0.3457	0.17	0.2857	0.07034	96.4	51.4	124				
Surr: Dioctylphthalate	0.02154	0	0.0286		75.4	44.9	120				

Sample ID: **1705B80-004BMS** Client ID: **RMW-05** Units: **mg/L** Prep Date: **05/15/2017** Run No: **343313**
SampleType: **MS** TestCode: **DRO by Microextraction** **SW8015C** BatchID: **242639** Analysis Date: **05/15/2017** Seq No: **7526741**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Diesel Range Organics	0.3763	0.17	0.2873	0.1262	87.1	43.5	123				
Surr: Dioctylphthalate	0.02235	0	0.0287		77.8	44.9	120				

Sample ID: **1705B80-004BMSD** Client ID: **RMW-05** Units: **mg/L** Prep Date: **05/15/2017** Run No: **343313**
SampleType: **MSD** TestCode: **DRO by Microextraction** **SW8015C** BatchID: **242639** Analysis Date: **05/15/2017** Seq No: **7526742**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Diesel Range Organics	0.3966	0.17	0.2865	0.1262	94.3	43.5	123	0.3763	5.24	34.2	
Surr: Dioctylphthalate	0.01971	0	0.0286		68.8	44.9	120	0.02235	0	0	

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 22-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon
Workorder: 1705B80

ANALYTICAL QC SUMMARY REPORT

BatchID: 242646

Sample ID: **MB-242646** Client ID: Units: **ug/L** Prep Date: **05/16/2017** Run No: **343285**
SampleType: **MBLK** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **242646** Analysis Date: **05/16/2017** Seq No: **7526112**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1'-Biphenyl	BRL	10									
2,4,5-Trichlorophenol	BRL	25									
2,4,6-Trichlorophenol	BRL	10									
2,4-Dichlorophenol	BRL	10									
2,4-Dimethylphenol	BRL	10									
2,4-Dinitrophenol	BRL	25									
2,4-Dinitrotoluene	BRL	10									
2,6-Dinitrotoluene	BRL	10									
2-Chloronaphthalene	BRL	10									
2-Chlorophenol	BRL	10									
2-Methylnaphthalene	BRL	10									
2-Methylphenol	BRL	10									
2-Nitroaniline	BRL	25									
2-Nitrophenol	BRL	10									
3,3'-Dichlorobenzidine	BRL	10									
3-Nitroaniline	BRL	25									
4,6-Dinitro-2-methylphenol	BRL	25									
4-Bromophenyl phenyl ether	BRL	10									
4-Chloro-3-methylphenol	BRL	10									
4-Chloroaniline	BRL	10									
4-Chlorophenyl phenyl ether	BRL	10									
4-Methylphenol	BRL	10									
4-Nitroaniline	BRL	25									
4-Nitrophenol	BRL	25									
Acenaphthene	BRL	10									
Acenaphthylene	BRL	10									
Acetophenone	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Analytical Environmental Services, Inc

Date: 22-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon
Workorder: 1705B80

ANALYTICAL QC SUMMARY REPORT

BatchID: 242646

Sample ID: **MB-242646** Client ID: Units: **ug/L** Prep Date: **05/16/2017** Run No: **343285**
SampleType: **MBLK** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **242646** Analysis Date: **05/16/2017** Seq No: **7526112**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Anthracene	BRL	10									
Atrazine	BRL	10									
Benz(a)anthracene	BRL	10									
Benzaldehyde	BRL	10									
Benzo(a)pyrene	BRL	10									
Benzo(b)fluoranthene	BRL	10									
Benzo(g,h,i)perylene	BRL	10									
Benzo(k)fluoranthene	BRL	10									
Bis(2-chloroethoxy)methane	BRL	10									
Bis(2-chloroethyl)ether	BRL	10									
Bis(2-chloroisopropyl)ether	BRL	10									
Bis(2-ethylhexyl)phthalate	BRL	10									
Butyl benzyl phthalate	BRL	10									
Caprolactam	BRL	10									
Carbazole	BRL	10									
Chrysene	BRL	10									
Di-n-butyl phthalate	BRL	10									
Di-n-octyl phthalate	BRL	10									
Dibenz(a,h)anthracene	BRL	10									
Dibenzofuran	BRL	10									
Diethyl phthalate	BRL	10									
Dimethyl phthalate	BRL	10									
Fluoranthene	BRL	10									
Fluorene	BRL	10									
Hexachlorobenzene	BRL	10									
Hexachlorobutadiene	BRL	10									
Hexachlorocyclopentadiene	BRL	10									

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 22-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon
Workorder: 1705B80

ANALYTICAL QC SUMMARY REPORT

BatchID: 242646

Sample ID: **MB-242646** Client ID: Units: **ug/L** Prep Date: **05/16/2017** Run No: **343285**
SampleType: **MBLK** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **242646** Analysis Date: **05/16/2017** Seq No: **7526112**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Hexachloroethane	BRL	10									
Indeno(1,2,3-cd)pyrene	BRL	10									
Isophorone	BRL	10									
N-Nitrosodi-n-propylamine	BRL	10									
N-Nitrosodiphenylamine	BRL	10									
Naphthalene	BRL	10									
Nitrobenzene	BRL	10									
Pentachlorophenol	BRL	25									
Phenanthrene	BRL	10									
Phenol	BRL	10									
Pyrene	BRL	10									
Surr: 2,4,6-Tribromophenol	85.85	0	100.0		85.8	50	142				
Surr: 2-Fluorobiphenyl	45.23	0	50.00		90.5	46	124				
Surr: 2-Fluorophenol	54.31	0	100.0		54.3	25.3	120				
Surr: 4-Terphenyl-d14	51.41	0	50.00		103	45.1	133				
Surr: Nitrobenzene-d5	45.67	0	50.00		91.3	40.1	121				
Surr: Phenol-d5	32.34	0	100.0		32.3	16.3	120				

Sample ID: **LCS-242646** Client ID: Units: **ug/L** Prep Date: **05/16/2017** Run No: **343285**
SampleType: **LCS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **242646** Analysis Date: **05/16/2017** Seq No: **7526115**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4-Dinitrotoluene	100.7	10	100.0		101	70	129				
2-Chlorophenol	96.17	10	100.0		96.2	53.1	120				
4-Chloro-3-methylphenol	99.54	10	100.0		99.5	65.6	126				
4-Nitrophenol	43.05	25	100.0		43.0	20	120				
Acenaphthene	105.5	10	100.0		105	64.1	121				
N-Nitrosodi-n-propylamine	103.1	10	100.0		103	65.7	129				

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 22-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon
Workorder: 1705B80

ANALYTICAL QC SUMMARY REPORT

BatchID: 242646

Sample ID: **LCS-242646** Client ID: Units: **ug/L** Prep Date: **05/16/2017** Run No: **343285**
SampleType: **LCS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **242646** Analysis Date: **05/16/2017** Seq No: **7526115**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pentachlorophenol	67.27	25	100.0		67.3	50.2	131				
Phenol	43.67	10	100.0		43.7	25	120				
Pyrene	120.0	10	100.0		120	70.5	134				
Surr: 2,4,6-Tribromophenol	103.9	0	100.0		104	50	142				
Surr: 2-Fluorobiphenyl	50.81	0	50.00		102	46	124				
Surr: 2-Fluorophenol	65.84	0	100.0		65.8	25.3	120				
Surr: 4-Terphenyl-d14	60.74	0	50.00		121	45.1	133				
Surr: Nitrobenzene-d5	48.25	0	50.00		96.5	40.1	121				
Surr: Phenol-d5	45.67	0	100.0		45.7	16.3	120				

Sample ID: **1705B80-004DMS** Client ID: **RMW-05** Units: **ug/L** Prep Date: **05/16/2017** Run No: **343285**
SampleType: **MS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **242646** Analysis Date: **05/16/2017** Seq No: **7526120**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4-Dinitrotoluene	100.0	10	100.0		100	50.3	123				
2-Chlorophenol	81.42	10	100.0		81.4	50.8	120				
4-Chloro-3-methylphenol	92.60	10	100.0		92.6	47.1	124				
4-Nitrophenol	27.81	25	100.0		27.8	21.8	120				
Acenaphthene	104.7	10	100.0		105	44.7	119				
N-Nitrosodi-n-propylamine	96.28	10	100.0		96.3	51.2	120				
Pentachlorophenol	64.24	25	100.0		64.2	40	120				
Phenol	26.52	10	100.0		26.5	31.5	120				S
Pyrene	115.9	10	100.0		116	51	129				
Surr: 2,4,6-Tribromophenol	102.4	0	100.0		102	50	142				
Surr: 2-Fluorobiphenyl	46.91	0	50.00		93.8	46	124				
Surr: 2-Fluorophenol	41.62	0	100.0		41.6	25.3	120				
Surr: 4-Terphenyl-d14	53.02	0	50.00		106	45.1	133				
Surr: Nitrobenzene-d5	42.56	0	50.00		85.1	40.1	121				

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon
Workorder: 1705B80

ANALYTICAL QC SUMMARY REPORT

BatchID: 242646

Sample ID: **1705B80-004DMS** Client ID: **RMW-05** Units: **ug/L** Prep Date: **05/16/2017** Run No: **343285**
SampleType: **MS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **242646** Analysis Date: **05/16/2017** Seq No: **7526120**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Phenol-d5	27.69	0	100.0		27.7	16.3	120				

Sample ID: **1705B80-004DMSD** Client ID: **RMW-05** Units: **ug/L** Prep Date: **05/16/2017** Run No: **343285**
SampleType: **MSD** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **242646** Analysis Date: **05/16/2017** Seq No: **7526124**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4-Dinitrotoluene	97.20	10	100.0		97.2	50.3	123	100.0	2.89	21.7	
2-Chlorophenol	89.30	10	100.0		89.3	50.8	120	81.42	9.23	24.8	
4-Chloro-3-methylphenol	98.45	10	100.0		98.4	47.1	124	92.60	6.12	20.7	
4-Nitrophenol	33.91	25	100.0		33.9	21.8	120	27.81	19.8	38.3	
Acenaphthene	105.8	10	100.0		106	44.7	119	104.7	1.08	20.5	
N-Nitrosodi-n-propylamine	98.49	10	100.0		98.5	51.2	120	96.28	2.27	23.2	
Pentachlorophenol	70.36	25	100.0		70.4	40	120	64.24	9.09	30.7	
Phenol	30.57	10	100.0		30.6	31.5	120	26.52	14.2	28.5	S
Pyrene	113.4	10	100.0		113	51	129	115.9	2.23	24.8	
Surr: 2,4,6-Tribromophenol	98.43	0	100.0		98.4	50	142	102.4	0	0	
Surr: 2-Fluorobiphenyl	48.65	0	50.00		97.3	46	124	46.91	0	0	
Surr: 2-Fluorophenol	49.27	0	100.0		49.3	25.3	120	41.62	0	0	
Surr: 4-Terphenyl-d14	52.36	0	50.00		105	45.1	133	53.02	0	0	
Surr: Nitrobenzene-d5	48.95	0	50.00		97.9	40.1	121	42.56	0	0	
Surr: Phenol-d5	31.37	0	100.0		31.4	16.3	120	27.69	0	0	

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 22-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon
Workorder: 1705B80

ANALYTICAL QC SUMMARY REPORT

BatchID: 242655

Sample ID: **MB-242655** Client ID: Units: **mg/L** Prep Date: **05/15/2017** Run No: **343273**
SampleType: **MBLK** TestCode: **METALS, TOTAL SW6010D** BatchID: **242655** Analysis Date: **05/16/2017** Seq No: **7525673**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	0.0500									
Barium	BRL	0.0200									
Cadmium	BRL	0.0050									
Chromium	BRL	0.0100									
Lead	BRL	0.0100									
Selenium	BRL	0.0200									
Silver	BRL	0.0100									

Sample ID: **LCS-242655** Client ID: Units: **mg/L** Prep Date: **05/15/2017** Run No: **343273**
SampleType: **LCS** TestCode: **METALS, TOTAL SW6010D** BatchID: **242655** Analysis Date: **05/16/2017** Seq No: **7525674**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	1.150	0.0500	1.000		115	80	120				
Barium	1.125	0.0200	1.000		112	80	120				
Cadmium	1.153	0.0050	1.000		115	80	120				
Chromium	1.133	0.0100	1.000		113	80	120				
Lead	1.091	0.0100	1.000	0.003040	109	80	120				
Selenium	1.177	0.0200	1.000		118	80	120				
Silver	0.1150	0.0100	0.1000		115	80	120				

Sample ID: **1705B80-004CMS** Client ID: **RMW-05** Units: **mg/L** Prep Date: **05/15/2017** Run No: **343273**
SampleType: **MS** TestCode: **METALS, TOTAL SW6010D** BatchID: **242655** Analysis Date: **05/16/2017** Seq No: **7525676**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	1.151	0.0500	1.000	0.01518	114	75	125				
Barium	1.162	0.0200	1.000	0.05060	111	75	125				
Cadmium	1.149	0.0050	1.000		115	75	125				
Chromium	1.118	0.0100	1.000		112	75	125				

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon
Workorder: 1705B80

ANALYTICAL QC SUMMARY REPORT

BatchID: 242655

Sample ID: **1705B80-004CMS** Client ID: **RMW-05** Units: **mg/L** Prep Date: **05/15/2017** Run No: **343273**
SampleType: **MS** TestCode: **METALS, TOTAL SW6010D** BatchID: **242655** Analysis Date: **05/16/2017** Seq No: **7525676**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	1.092	0.0100	1.000		109	75	125				
Selenium	1.194	0.0200	1.000		119	75	125				
Silver	0.1140	0.0100	0.1000		114	75	125				

Sample ID: **1705B80-004CMSD** Client ID: **RMW-05** Units: **mg/L** Prep Date: **05/15/2017** Run No: **343273**
SampleType: **MSD** TestCode: **METALS, TOTAL SW6010D** BatchID: **242655** Analysis Date: **05/16/2017** Seq No: **7525679**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	1.084	0.0500	1.000	0.01518	107	75	125	1.151	5.96	20	
Barium	1.112	0.0200	1.000	0.05060	106	75	125	1.162	4.42	20	
Cadmium	1.104	0.0050	1.000		110	75	125	1.149	3.97	20	
Chromium	1.071	0.0100	1.000		107	75	125	1.118	4.29	20	
Lead	1.031	0.0100	1.000		103	75	125	1.092	5.74	20	
Selenium	1.129	0.0200	1.000		113	75	125	1.194	5.60	20	
Silver	0.1086	0.0100	0.1000		109	75	125	0.1140	4.85	20	

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 22-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon
Workorder: 1705B80

ANALYTICAL QC SUMMARY REPORT

BatchID: 242665

Sample ID: **MB-242665** Client ID: Units: **ug/L** Prep Date: **05/15/2017** Run No: **343133**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242665** Analysis Date: **05/15/2017** Seq No: **7522268**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	50									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									

Qualifiers:
> Greater than Result value
BRL Below reporting limit
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Rpt Lim Reporting Limit
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E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
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R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 22-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon
Workorder: 1705B80

ANALYTICAL QC SUMMARY REPORT

BatchID: 242665

Sample ID: **MB-242665** Client ID: Units: **ug/L** Prep Date: **05/15/2017** Run No: **343133**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242665** Analysis Date: **05/15/2017** Seq No: **7522268**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	2.0									
Surr: 4-Bromofluorobenzene	48.68	0	50.00		97.4	66.1	129				
Surr: Dibromofluoromethane	51.21	0	50.00		102	83.6	123				
Surr: Toluene-d8	52.33	0	50.00		105	81.8	118				

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon
Workorder: 1705B80

ANALYTICAL QC SUMMARY REPORT

BatchID: 242665

Sample ID: **LCS-242665** Client ID: Units: **ug/L** Prep Date: **05/15/2017** Run No: **343133**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242665** Analysis Date: **05/15/2017** Seq No: **7522266**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	56.79	5.0	50.00		114	68	139				
Benzene	57.42	5.0	50.00		115	74	125				
Chlorobenzene	49.18	5.0	50.00		98.4	75.7	123				
Toluene	57.00	5.0	50.00		114	75.9	126				
Trichloroethene	48.76	5.0	50.00		97.5	70.6	129				
Surr: 4-Bromofluorobenzene	46.90	0	50.00		93.8	66.1	129				
Surr: Dibromofluoromethane	51.17	0	50.00		102	83.6	123				
Surr: Toluene-d8	52.92	0	50.00		106	81.8	118				

Sample ID: **1705B80-004AMS** Client ID: **RMW-05** Units: **ug/L** Prep Date: **05/15/2017** Run No: **343611**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242665** Analysis Date: **05/22/2017** Seq No: **7534487**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	54.88	5.0	50.00		110	64.3	149				
Benzene	54.26	5.0	50.00		109	71.6	132				
Chlorobenzene	48.21	5.0	50.00		96.4	73.1	126				
Toluene	54.41	5.0	50.00		109	72.5	135				
Trichloroethene	51.61	5.0	50.00		103	70.2	132				
Surr: 4-Bromofluorobenzene	48.04	0	50.00		96.1	66.1	129				
Surr: Dibromofluoromethane	49.97	0	50.00		99.9	83.6	123				
Surr: Toluene-d8	49.90	0	50.00		99.8	81.8	118				

Sample ID: **1705C71-001AMS** Client ID: Units: **ug/L** Prep Date: **05/15/2017** Run No: **343133**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242665** Analysis Date: **05/15/2017** Seq No: **7522277**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	55.77	5.0	50.00		112	64.3	149				
Benzene	58.48	5.0	50.00		117	71.6	132				

Qualifiers:
> Greater than Result value
< Less than Result value
B Analyte detected in the associated method blank
BRL Below reporting limit
E Estimated (value above quantitation range)
H Holding times for preparation or analysis exceeded
J Estimated value detected below Reporting Limit
N Analyte not NELAC certified
R RPD outside limits due to matrix
Rpt Lim Reporting Limit
S Spike Recovery outside limits due to matrix

Analytical Environmental Services, Inc

Date: 22-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon
Workorder: 1705B80

ANALYTICAL QC SUMMARY REPORT

BatchID: 242665

Sample ID: **1705C71-001AMS** Client ID: Units: **ug/L** Prep Date: **05/15/2017** Run No: **343133**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242665** Analysis Date: **05/15/2017** Seq No: **7522277**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	49.08	5.0	50.00		98.2	73.1	126				
Toluene	60.09	5.0	50.00		120	72.5	135				
Trichloroethene	49.41	5.0	50.00		98.8	70.2	132				
Surr: 4-Bromofluorobenzene	47.85	0	50.00		95.7	66.1	129				
Surr: Dibromofluoromethane	49.09	0	50.00		98.2	83.6	123				
Surr: Toluene-d8	52.72	0	50.00		105	81.8	118				

Sample ID: **1705B80-004AMSD** Client ID: **RMW-05** Units: **ug/L** Prep Date: **05/15/2017** Run No: **343611**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242665** Analysis Date: **05/22/2017** Seq No: **7534488**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	55.25	5.0	50.00		110	64.3	149	54.88	0.672	30.8	
Benzene	53.12	5.0	50.00		106	71.6	132	54.26	2.12	20.7	
Chlorobenzene	46.71	5.0	50.00		93.4	73.1	126	48.21	3.16	26.6	
Toluene	52.58	5.0	50.00		105	72.5	135	54.41	3.42	23.2	
Trichloroethene	50.99	5.0	50.00		102	70.2	132	51.61	1.21	27.7	
Surr: 4-Bromofluorobenzene	48.58	0	50.00		97.2	66.1	129	48.04	0	0	
Surr: Dibromofluoromethane	50.95	0	50.00		102	83.6	123	49.97	0	0	
Surr: Toluene-d8	50.81	0	50.00		102	81.8	118	49.90	0	0	

Sample ID: **1705C71-001AMSD** Client ID: Units: **ug/L** Prep Date: **05/15/2017** Run No: **343133**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242665** Analysis Date: **05/15/2017** Seq No: **7522278**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	53.42	5.0	50.00		107	64.3	149	55.77	4.30	30.8	
Benzene	57.79	5.0	50.00		116	71.6	132	58.48	1.19	20.7	
Chlorobenzene	50.25	5.0	50.00		100	73.1	126	49.08	2.36	26.6	
Toluene	57.89	5.0	50.00		116	72.5	135	60.09	3.73	23.2	

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Analytical Environmental Services, Inc Date: 22-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon
Workorder: 1705B80

ANALYTICAL QC SUMMARY REPORT

BatchID: 242665

Sample ID: **1705C71-001AMSD** Client ID:
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B**
Units: **ug/L** BatchID: **242665**
Prep Date: **05/15/2017** Analysis Date: **05/15/2017**
Run No: **343133** Seq No: **7522278**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Trichloroethene	48.47	5.0	50.00		96.9	70.2	132	49.41	1.92	27.7	
Surr: 4-Bromofluorobenzene	48.47	0	50.00		96.9	66.1	129	47.85	0	0	
Surr: Dibromofluoromethane	47.93	0	50.00		95.9	83.6	123	49.09	0	0	
Surr: Toluene-d8	52.15	0	50.00		104	81.8	118	52.72	0	0	

Qualifiers
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 22-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon
Workorder: 1705B80

ANALYTICAL QC SUMMARY REPORT

BatchID: 242804

Sample ID: **MB-242804** Client ID:
SampleType: **MBLK** TestCode: **Mercury, Total SW7470A**
Units: **mg/L** Prep Date: **05/18/2017** Run No: **343452**
BatchID: **242804** Analysis Date: **05/18/2017** Seq No: **7529954**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	BRL	0.00020									

Sample ID: **LCS-242804** Client ID:
SampleType: **LCS** TestCode: **Mercury, Total SW7470A**
Units: **mg/L** Prep Date: **05/18/2017** Run No: **343452**
BatchID: **242804** Analysis Date: **05/18/2017** Seq No: **7529955**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.003626	0.00020	0.0040		90.7	80	120				

Sample ID: **1705B80-004CMS** Client ID: **RMW-05**
SampleType: **MS** TestCode: **Mercury, Total SW7470A**
Units: **mg/L** Prep Date: **05/18/2017** Run No: **343452**
BatchID: **242804** Analysis Date: **05/18/2017** Seq No: **7529957**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004123	0.00020	0.0050		82.5	70	130				

Sample ID: **1705B80-004CMSD** Client ID: **RMW-05**
SampleType: **MSD** TestCode: **Mercury, Total SW7470A**
Units: **mg/L** Prep Date: **05/18/2017** Run No: **343452**
BatchID: **242804** Analysis Date: **05/18/2017** Seq No: **7529958**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004148	0.00020	0.0050		83.0	70	130	0.004123	0.595	20	

Qualifiers:
> Greater than Result value
BRL Below reporting limit
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N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Analytical Environmental Services, Inc Date: 22-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon
Workorder: 1705B80

ANALYTICAL QC SUMMARY REPORT

BatchID: 242815

Sample ID: **MB-242815** Client ID: Units: **mg/L** Prep Date: **05/17/2017** Run No: **343396**
SampleType: **MBLK** TestCode: **GASOLINE RANGE ORGANICS SW8015C** BatchID: **242815** Analysis Date: **05/17/2017** Seq No: **7528511**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
TPH (Gasoline Range Organics)	BRL	0.50									
Surr: a,a,a-trifluorotoluene	0.06231	0	0.0500		125	79.1	130				

Sample ID: **LCS-242815** Client ID Units: **mg/L** Prep Date: **05/17/2017** Run No: **343396**
SampleType: **LCS** TestCode: **GASOLINE RANGE ORGANICS SW8015C** BatchID: **242815** Analysis Date: **05/17/2017** Seq No: **7528510**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
TPH (Gasoline Range Organics)	1.001	0.50	1.000		100	61	132				
Surr: a,a,a-trifluorotoluene	0.05906	0	0.0500		118	79.1	130				

Sample ID: **1705B80-004AMS** Client ID: **RMW-05** Units: **mg/L** Prep Date: **05/17/2017** Run No: **343396**
SampleType: **MS** TestCode: **GASOLINE RANGE ORGANICS SW8015C** BatchID: **242815** Analysis Date: **05/18/2017** Seq No: **7528513**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
TPH (Gasoline Range Organics)	1.017	0.50	1.000		102	65.8	133				
Surr: a,a,a-trifluorotoluene	0.05896	0	0.0500		118	79.1	130				

Sample ID: **1705B80-004AMSD** Client ID: **RMW-05** Units: **mg/L** Prep Date: **05/17/2017** Run No: **343396**
SampleType: **MSD** TestCode: **GASOLINE RANGE ORGANICS SW8015C** BatchID: **242815** Analysis Date: **05/18/2017** Seq No: **7528514**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
TPH (Gasoline Range Organics)	1.040	0.50	1.000		104	65.8	133	1.017	2.27	20	
Surr: a,a,a-trifluorotoluene	0.05961	0	0.0500		119	79.1	130	0.05896	0	0	

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

May 31, 2017

Michael Patinkin
Resolute Env. & Water Resources Consulting, LLC
1001 Weatherstone Pkwy
Woodstock GA 30188

TEL: (706) 266-0551
FAX: (888) 881-8219

RE: Phase II ESA Macon GA

Dear Michael Patinkin: Order No: 1705G68

Analytical Environmental Services, Inc. received 5 samples on 5/18/2017 7:44:00 AM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES's accreditations are as follows:
-NELAC/Florida State Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, and Drinking Water Microbiology, effective 07/01/16-06/30/17.
State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective 07/01/16-06/30/17 and Total Coliforms and E. coli, effective 04/25/17-04/24/20.
-NELAC/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/16-06/30/17.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and

Ioana Pacurar

Ioana Pacurar
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order 1705G68

Date 05/17/17 Page 1 of 1

COMPANY: RESOLUTE ENVIRONMENTAL
ADDRESS: 1001 WEATHERSTONE PKWY SUITE 410 WOODSTOCK, GA 30188
PHONE: (678) 232-9499
FAX: —
SAMPLED BY: MICHAEL PATINKIN
SIGNATURE: [signature]

ANALYSIS REQUESTED

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	VOCs (S/M+I / H+I)	METALS (RCRA) (I / N)	SVOCs (I / I)	REMARKS	No. of Containers
1	WPR	05/17/17	1400		X	SO	4	1	1		6
2	EPR	05/17/17	1415	X		SO	4	1	1		6
3	IRS	05/17/17	1500	X		O	2	1	2	STANDING SUMP WATER	~~6~~ 5
4	SS	05/17/17	1530	X		O	2	1	2	STANDING SUMP WATER	~~6~~ 5
5											MP 5/18/17
6											
7											
8											
9											
10											
11											
12											
13											
14											

PRESERVATION (See codes)

RELINQUISHED BY	DATE TIME	RECEIVED BY	DATE TIME
[signature]	05/18/17 0744	1 [signature]	5/18/2017 7:44AM
		2	
		3	

SPECIAL INSTRUCTIONS/COMMENTS

SHIPMENT METHOD
OUT 05 18 17 VIA CLIENT
IN VIA
CLIENT FedEx UPS MAIL COURIER
GREYHOUND OTHER

PROJECT INFORMATION
PROJECT NAME: PHASE II ESA MACON
PROJECT #
SITE ADDRESS: 120 BROADWAY, MACON, GA
SEND REPORT TO: MICHAEL.PATINKIN@RESOLUTEENV.COM
INVOICE TO (IF DIFFERENT FROM ABOVE): CINDY.MARDIS@RESOLUTEENV.COM
QUOTE # PO#

RECEIPT
Total # of Containers: 22

Turnaround Time Request
- ✓ Standard 5 Business Days
- ○ 2 Business Day Rush
- ○ Next Business Day Rush
- ○ Same Day Rush (auth req.)
- ○ Other

STATE PROGRAM (if any): —
E-mail: Y N; Fax: Y N
DATA PACKAGE: I II III IV

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium B sulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Client: Resolute Env. & Water Resources Consulting, LLC
Project: Phase II ESA Macon GA
Lab ID: 1705G68

Case Narrative

Sample Receiving Non-conformance:

A Trip Blank was provided but not listed on the Chain of Custody. Trip blank analyzed at no cost to the client.

Semi-Volatiles Analysis by Method 8270D:

Due to sample matrix, sample 1705G68-001C, -002C required dilution during preparation and/or analysis resulting in elevated reporting limits.

Volatiles Organic Compounds Analysis by Method 624:

Due to sample matrix, samples 1705G68-001A, & -002A required dilution during preparation and/or analysis resulting in elevated reporting limits.

Analytical Environmental Services, Inc Date: 31-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	WPR
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/17/2017 2:00:00 PM
Lab ID:	1705G68-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	0.545	0.0952		mg/Kg-dry	243101	1	05/26/2017 23:14	AS
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
1,1´-Biphenyl	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
2,4,5-Trichlorophenol	BRL	170000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
2,4,6-Trichlorophenol	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
2,4-Dichlorophenol	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
2,4-Dimethylphenol	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
2,4-Dinitrophenol	BRL	170000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
2,4-Dinitrotoluene	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
2,6-Dinitrotoluene	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
2-Chloronaphthalene	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
2-Chlorophenol	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
2-Methylnaphthalene	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
2-Methylphenol	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
2-Nitroaniline	BRL	170000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
2-Nitrophenol	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
3,3´-Dichlorobenzidine	BRL	69000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
3-Nitroaniline	BRL	170000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
4,6-Dinitro-2-methylphenol	BRL	170000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
4-Bromophenyl phenyl ether	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
4-Chloro-3-methylphenol	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
4-Chloroaniline	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
4-Chlorophenyl phenyl ether	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
4-Methylphenol	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
4-Nitroaniline	BRL	170000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
4-Nitrophenol	BRL	170000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
Acenaphthene	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
Acenaphthylene	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
Acetophenone	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
Anthracene	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
Atrazine	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
Benz(a)anthracene	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
Benzaldehyde	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
Benzo(a)pyrene	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
Benzo(b)fluoranthene	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
Benzo(g,h,i)perylene	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
Benzo(k)fluoranthene	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
Bis(2-chloroethoxy)methane	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
Bis(2-chloroethyl)ether	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
Bis(2-chloroisopropyl)ether	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 31-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	WPR
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/17/2017 2:00:00 PM
Lab ID:	1705G68-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Bis(2-ethylhexyl)phthalate	60000	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
Butyl benzyl phthalate	480000	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
Caprolactam	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
Carbazole	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
Chrysene	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
Di-n-butyl phthalate	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
Di-n-octyl phthalate	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
Dibenz(a,h)anthracene	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
Dibenzofuran	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
Diethyl phthalate	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
Dimethyl phthalate	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
Fluoranthene	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
Fluorene	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
Hexachlorobenzene	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
Hexachlorobutadiene	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
Hexachlorocyclopentadiene	BRL	68000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
Hexachloroethane	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
Indeno(1,2,3-cd)pyrene	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
Isophorone	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
N-Nitrosodi-n-propylamine	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
N-Nitrosodiphenylamine	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
Naphthalene	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
Nitrobenzene	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
Pentachlorophenol	BRL	170000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
Phenanthrene	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
Phenol	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
Pyrene	BRL	34000		ug/Kg-dry	242851	5	05/19/2017 18:18	YH
Surr: 2,4,6-Tribromophenol	0	46.9-137	S	%REC	242851	5	05/19/2017 18:18	YH
Surr: 2-Fluorobiphenyl	0	50-115	S	%REC	242851	5	05/19/2017 18:18	YH
Surr: 2-Fluorophenol	0	41.2-105	S	%REC	242851	5	05/19/2017 18:18	YH
Surr: 4-Terphenyl-d14	78	51.9-126		%REC	242851	5	05/19/2017 18:18	YH
Surr: Nitrobenzene-d5	0	40.2-113	S	%REC	242851	5	05/19/2017 18:18	YH
Surr: Phenol-d5	0	45-109	S	%REC	242851	5	05/19/2017 18:18	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	240		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
1,1,2,2-Tetrachloroethane	BRL	240		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
1,1,2-Trichloroethane	BRL	240		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
1,1-Dichloroethane	BRL	240		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
1,1-Dichloroethene	BRL	240		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
1,2,4-Trichlorobenzene	BRL	240		ug/Kg-dry	242895	50	05/26/2017 15:12	AR

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc Date: 31-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	WPR
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/17/2017 2:00:00 PM
Lab ID:	1705G68-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,2-Dibromo-3-chloropropane	BRL	240		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
1,2-Dibromoethane	BRL	240		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
1,2-Dichlorobenzene	BRL	240		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
1,2-Dichloroethane	BRL	240		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
1,2-Dichloropropane	BRL	240		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
1,3-Dichlorobenzene	BRL	240		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
1,4-Dichlorobenzene	BRL	240		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
2-Butanone	BRL	2400		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
2-Hexanone	BRL	490		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
4-Methyl-2-pentanone	BRL	490		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
Acetone	BRL	4900		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
Benzene	BRL	240		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
Bromodichloromethane	BRL	240		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
Bromoform	BRL	240		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
Bromomethane	BRL	240		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
Carbon disulfide	BRL	490		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
Carbon tetrachloride	BRL	240		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
Chlorobenzene	BRL	240		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
Chloroethane	BRL	490		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
Chloroform	BRL	240		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
Chloromethane	BRL	490		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
cis-1,2-Dichloroethene	BRL	240		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
cis-1,3-Dichloropropene	BRL	240		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
Cyclohexane	BRL	240		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
Dibromochloromethane	BRL	240		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
Dichlorodifluoromethane	BRL	490		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
Ethylbenzene	BRL	240		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
Freon-113	BRL	490		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
Isopropylbenzene	BRL	240		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
m,p-Xylene	BRL	240		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
Methyl acetate	1500	240		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
Methyl tert-butyl ether	BRL	240		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
Methylcyclohexane	BRL	240		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
Methylene chloride	BRL	980		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
o-Xylene	BRL	240		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
Styrene	BRL	240		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
Tetrachloroethene	BRL	240		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
Toluene	BRL	240		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
trans-1,2-Dichloroethene	BRL	240		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
trans-1,3-Dichloropropene	BRL	240		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
Trichloroethene	BRL	240		ug/Kg-dry	242895	50	05/26/2017 15:12	AR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 31-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	WPR
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/17/2017 2:00:00 PM
Lab ID:	1705G68-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Trichlorofluoromethane	BRL	240		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
Vinyl chloride	BRL	490		ug/Kg-dry	242895	50	05/26/2017 15:12	AR
Surr: 4-Bromofluorobenzene	97.4	63-125		%REC	242895	50	05/26/2017 15:12	AR
Surr: Dibromofluoromethane	103	69.9-123		%REC	242895	50	05/26/2017 15:12	AR
Surr: Toluene-d8	101	70-122		%REC	242895	50	05/26/2017 15:12	AR
METALS, TOTAL SW6010D				**(SW3050B)**				
Arsenic	BRL	4.48		mg/Kg-dry	243125	1	05/29/2017 13:52	IO
Barium	249	8.97		mg/Kg-dry	243125	2	05/31/2017 12:48	IO
Cadmium	14.3	2.24		mg/Kg-dry	243125	1	05/29/2017 13:52	IO
Chromium	34.4	2.24		mg/Kg-dry	243125	1	05/29/2017 13:52	IO
Lead	608	8.97		mg/Kg-dry	243125	2	05/31/2017 12:48	IO
Selenium	BRL	4.48		mg/Kg-dry	243125	1	05/29/2017 13:52	IO
Silver	BRL	2.24		mg/Kg-dry	243125	1	05/29/2017 13:52	IO
PERCENT MOISTURE D2216								
Percent Moisture	2.40	0		wt%	R343577	1	05/22/2017 08:30	CG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 31-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	EPR
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/17/2017 2:15:00 PM
Lab ID:	1705G68-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.106		mg/Kg-dry	243101	1	05/26/2017 23:31	AS
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
1,1'-Biphenyl	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
2,4,5-Trichlorophenol	BRL	320000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
2,4,6-Trichlorophenol	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
2,4-Dichlorophenol	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
2,4-Dimethylphenol	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
2,4-Dinitrophenol	BRL	320000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
2,4-Dinitrotoluene	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
2,6-Dinitrotoluene	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
2-Chloronaphthalene	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
2-Chlorophenol	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
2-Methylnaphthalene	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
2-Methylphenol	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
2-Nitroaniline	BRL	320000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
2-Nitrophenol	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
3,3'-Dichlorobenzidine	BRL	130000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
3-Nitroaniline	BRL	320000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
4,6-Dinitro-2-methylphenol	BRL	320000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
4-Bromophenyl phenyl ether	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
4-Chloro-3-methylphenol	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
4-Chloroaniline	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
4-Chlorophenyl phenyl ether	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
4-Methylphenol	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
4-Nitroaniline	BRL	320000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
4-Nitrophenol	BRL	320000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
Acenaphthene	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
Acenaphthylene	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
Acetophenone	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
Anthracene	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
Atrazine	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
Benz(a)anthracene	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
Benzaldehyde	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
Benzo(a)pyrene	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
Benzo(b)fluoranthene	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
Benzo(g,h,i)perylene	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
Benzo(k)fluoranthene	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
Bis(2-chloroethoxy)methane	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
Bis(2-chloroethyl)ether	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
Bis(2-chloroisopropyl)ether	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 31-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	EPR
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/17/2017 2:15:00 PM
Lab ID:	1705G68-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Bis(2-ethylhexyl)phthalate	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
Butyl benzyl phthalate	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
Caprolactam	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
Carbazole	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
Chrysene	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
Di-n-butyl phthalate	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
Di-n-octyl phthalate	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
Dibenz(a,h)anthracene	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
Dibenzofuran	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
Diethyl phthalate	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
Dimethyl phthalate	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
Fluoranthene	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
Fluorene	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
Hexachlorobenzene	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
Hexachlorobutadiene	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
Hexachlorocyclopentadiene	BRL	130000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
Hexachloroethane	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
Indeno(1,2,3-cd)pyrene	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
Isophorone	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
N-Nitrosodi-n-propylamine	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
N-Nitrosodiphenylamine	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
Naphthalene	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
Nitrobenzene	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
Pentachlorophenol	BRL	320000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
Phenanthrene	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
Phenol	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
Pyrene	BRL	63000		ug/Kg-dry	242851	5	05/19/2017 18:44	YH
Surr: 2,4,6-Tribromophenol	0	46.9-137	S	%REC	242851	5	05/19/2017 18:44	YH
Surr: 2-Fluorobiphenyl	0	50-115	S	%REC	242851	5	05/19/2017 18:44	YH
Surr: 2-Fluorophenol	0	41.2-105	S	%REC	242851	5	05/19/2017 18:44	YH
Surr: 4-Terphenyl-d14	0	51.9-126	S	%REC	242851	5	05/19/2017 18:44	YH
Surr: Nitrobenzene-d5	0	40.2-113	S	%REC	242851	5	05/19/2017 18:44	YH
Surr: Phenol-d5	0	45-109	S	%REC	242851	5	05/19/2017 18:44	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	360		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
1,1,2,2-Tetrachloroethane	BRL	360		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
1,1,2-Trichloroethane	BRL	360		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
1,1-Dichloroethane	BRL	360		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
1,1-Dichloroethene	BRL	360		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
1,2,4-Trichlorobenzene	BRL	360		ug/Kg-dry	242895	50	05/26/2017 15:41	AR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 31-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	EPR
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/17/2017 2:15:00 PM
Lab ID:	1705G68-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,2-Dibromo-3-chloropropane	BRL	360		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
1,2-Dibromoethane	BRL	360		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
1,2-Dichlorobenzene	BRL	360		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
1,2-Dichloroethane	BRL	360		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
1,2-Dichloropropane	BRL	360		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
1,3-Dichlorobenzene	BRL	360		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
1,4-Dichlorobenzene	BRL	360		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
2-Butanone	BRL	3600		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
2-Hexanone	BRL	720		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
4-Methyl-2-pentanone	BRL	720		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
Acetone	BRL	7200		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
Benzene	BRL	360		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
Bromodichloromethane	BRL	360		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
Bromoform	BRL	360		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
Bromomethane	BRL	360		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
Carbon disulfide	BRL	720		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
Carbon tetrachloride	BRL	360		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
Chlorobenzene	BRL	360		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
Chloroethane	BRL	720		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
Chloroform	BRL	360		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
Chloromethane	BRL	720		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
cis-1,2-Dichloroethene	BRL	360		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
cis-1,3-Dichloropropene	BRL	360		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
Cyclohexane	BRL	360		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
Dibromochloromethane	BRL	360		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
Dichlorodifluoromethane	BRL	720		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
Ethylbenzene	BRL	360		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
Freon-113	BRL	720		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
Isopropylbenzene	BRL	360		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
m,p-Xylene	BRL	360		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
Methyl acetate	410	360		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
Methyl tert-butyl ether	BRL	360		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
Methylcyclohexane	BRL	360		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
Methylene chloride	BRL	1400		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
o-Xylene	BRL	360		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
Styrene	5700	360		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
Tetrachloroethene	BRL	360		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
Toluene	BRL	360		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
trans-1,2-Dichloroethene	BRL	360		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
trans-1,3-Dichloropropene	BRL	360		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
Trichloroethene	BRL	360		ug/Kg-dry	242895	50	05/26/2017 15:41	AR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 31-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	EPR
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/17/2017 2:15:00 PM
Lab ID:	1705G68-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Trichlorofluoromethane	BRL	360		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
Vinyl chloride	BRL	720		ug/Kg-dry	242895	50	05/26/2017 15:41	AR
Surr: 4-Bromofluorobenzene	96.3	63-125		%REC	242895	50	05/26/2017 15:41	AR
Surr: Dibromofluoromethane	105	69.9-123		%REC	242895	50	05/26/2017 15:41	AR
Surr: Toluene-d8	101	70-122		%REC	242895	50	05/26/2017 15:41	AR
METALS, TOTAL SW6010D				**(SW3050B)**				
Arsenic	BRL	5.02		mg/Kg-dry	243125	1	05/29/2017 13:56	IO
Barium	79.7	5.02		mg/Kg-dry	243125	1	05/29/2017 13:56	IO
Cadmium	BRL	2.51		mg/Kg-dry	243125	1	05/29/2017 13:56	IO
Chromium	22.5	2.51		mg/Kg-dry	243125	1	05/29/2017 13:56	IO
Lead	7.00	5.02		mg/Kg-dry	243125	1	05/29/2017 13:56	IO
Selenium	BRL	5.02		mg/Kg-dry	243125	1	05/29/2017 13:56	IO
Silver	BRL	2.51		mg/Kg-dry	243125	1	05/29/2017 13:56	IO
PERCENT MOISTURE D2216								
Percent Moisture	7.76	0		wt%	R343577	1	05/22/2017 08:30	CG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 31-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	IRS
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/17/2017 3:00:00 PM
Lab ID:	1705G68-003	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3510C)**			
1,1'-Biphenyl	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
2,4,5-Trichlorophenol	BRL	25		ug/L	242903	1	05/23/2017 16:43	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
2,4-Dichlorophenol	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
2,4-Dimethylphenol	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
2,4-Dinitrophenol	BRL	25		ug/L	242903	1	05/23/2017 16:43	YH
2,4-Dinitrotoluene	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
2,6-Dinitrotoluene	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
2-Chloronaphthalene	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
2-Chlorophenol	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
2-Methylnaphthalene	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
2-Methylphenol	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
2-Nitroaniline	BRL	25		ug/L	242903	1	05/23/2017 16:43	YH
2-Nitrophenol	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
3,3'-Dichlorobenzidine	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
3-Nitroaniline	BRL	25		ug/L	242903	1	05/23/2017 16:43	YH
4,6-Dinitro-2-methylphenol	BRL	25		ug/L	242903	1	05/23/2017 16:43	YH
4-Bromophenyl phenyl ether	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
4-Chloroaniline	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
4-Chlorophenyl phenyl ether	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
4-Methylphenol	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
4-Nitroaniline	BRL	25		ug/L	242903	1	05/23/2017 16:43	YH
4-Nitrophenol	BRL	25		ug/L	242903	1	05/23/2017 16:43	YH
Acenaphthene	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
Acenaphthylene	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
Acetophenone	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
Anthracene	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
Atrazine	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
Benz(a)anthracene	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
Benzaldehyde	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
Benzo(a)pyrene	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
Benzo(b)fluoranthene	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
Benzo(k)fluoranthene	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
Bis(2-chloroethoxy)methane	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
Bis(2-chloroethyl)ether	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
Bis(2-chloroisopropyl)ether	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
Bis(2-ethylhexyl)phthalate	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
Butyl benzyl phthalate	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
Caprolactam	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
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- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 31-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	IRS
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/17/2017 3:00:00 PM
Lab ID:	1705G68-003	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3510C)**				
Carbazole	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
Chrysene	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
Di-n-butyl phthalate	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
Di-n-octyl phthalate	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
Dibenzofuran	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
Diethyl phthalate	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
Dimethyl phthalate	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
Fluoranthene	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
Fluorene	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
Hexachlorobenzene	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
Hexachlorobutadiene	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
Hexachlorocyclopentadiene	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
Hexachloroethane	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
Isophorone	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
N-Nitrosodi-n-propylamine	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
N-Nitrosodiphenylamine	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
Naphthalene	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
Nitrobenzene	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
Pentachlorophenol	BRL	25		ug/L	242903	1	05/23/2017 16:43	YH
Phenanthrene	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
Phenol	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
Pyrene	BRL	10		ug/L	242903	1	05/23/2017 16:43	YH
Surr: 2,4,6-Tribromophenol	91.2	50-142		%REC	242903	1	05/23/2017 16:43	YH
Surr: 2-Fluorobiphenyl	86	46-124		%REC	242903	1	05/23/2017 16:43	YH
Surr: 2-Fluorophenol	40.2	25.3-120		%REC	242903	1	05/23/2017 16:43	YH
Surr: 4-Terphenyl-d14	101	45.1-133		%REC	242903	1	05/23/2017 16:43	YH
Surr: Nitrobenzene-d5	84	40.1-121		%REC	242903	1	05/23/2017 16:43	YH
Surr: Phenol-d5	26.3	16.3-120		%REC	242903	1	05/23/2017 16:43	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242891	1	05/19/2017 20:15	LJ
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242891	1	05/19/2017 20:15	LJ
1,1,2-Trichloroethane	BRL	5.0		ug/L	242891	1	05/19/2017 20:15	LJ
1,1-Dichloroethane	BRL	5.0		ug/L	242891	1	05/19/2017 20:15	LJ
1,1-Dichloroethene	BRL	5.0		ug/L	242891	1	05/19/2017 20:15	LJ
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242891	1	05/19/2017 20:15	LJ
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242891	1	05/19/2017 20:15	LJ
1,2-Dibromoethane	BRL	5.0		ug/L	242891	1	05/19/2017 20:15	LJ
1,2-Dichlorobenzene	BRL	5.0		ug/L	242891	1	05/19/2017 20:15	LJ

Qualifiers:

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- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc Date: 31-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	IRS
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/17/2017 3:00:00 PM
Lab ID:	1705G68-003	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,2-Dichloroethane	BRL	5.0		ug/L	242891	1	05/19/2017 20:15	LJ
1,2-Dichloropropane	BRL	5.0		ug/L	242891	1	05/19/2017 20:15	LJ
1,3-Dichlorobenzene	BRL	5.0		ug/L	242891	1	05/19/2017 20:15	LJ
1,4-Dichlorobenzene	BRL	5.0		ug/L	242891	1	05/19/2017 20:15	LJ
2-Butanone	BRL	50		ug/L	242891	1	05/19/2017 20:15	LJ
2-Hexanone	BRL	10		ug/L	242891	1	05/19/2017 20:15	LJ
4-Methyl-2-pentanone	BRL	10		ug/L	242891	1	05/19/2017 20:15	LJ
Acetone	BRL	50		ug/L	242891	1	05/19/2017 20:15	LJ
Benzene	BRL	5.0		ug/L	242891	1	05/19/2017 20:15	LJ
Bromodichloromethane	BRL	5.0		ug/L	242891	1	05/19/2017 20:15	LJ
Bromoform	BRL	5.0		ug/L	242891	1	05/19/2017 20:15	LJ
Bromomethane	BRL	5.0		ug/L	242891	1	05/19/2017 20:15	LJ
Carbon disulfide	BRL	5.0		ug/L	242891	1	05/19/2017 20:15	LJ
Carbon tetrachloride	BRL	5.0		ug/L	242891	1	05/19/2017 20:15	LJ
Chlorobenzene	BRL	5.0		ug/L	242891	1	05/19/2017 20:15	LJ
Chloroethane	BRL	10		ug/L	242891	1	05/19/2017 20:15	LJ
Chloroform	BRL	5.0		ug/L	242891	1	05/19/2017 20:15	LJ
Chloromethane	BRL	10		ug/L	242891	1	05/19/2017 20:15	LJ
cis-1,2-Dichloroethene	BRL	5.0		ug/L	242891	1	05/19/2017 20:15	LJ
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242891	1	05/19/2017 20:15	LJ
Cyclohexane	BRL	5.0		ug/L	242891	1	05/19/2017 20:15	LJ
Dibromochloromethane	BRL	5.0		ug/L	242891	1	05/19/2017 20:15	LJ
Dichlorodifluoromethane	BRL	10		ug/L	242891	1	05/19/2017 20:15	LJ
Ethylbenzene	BRL	5.0		ug/L	242891	1	05/19/2017 20:15	LJ
Freon-113	BRL	10		ug/L	242891	1	05/19/2017 20:15	LJ
Isopropylbenzene	BRL	5.0		ug/L	242891	1	05/19/2017 20:15	LJ
m,p-Xylene	BRL	5.0		ug/L	242891	1	05/19/2017 20:15	LJ
Methyl acetate	BRL	5.0		ug/L	242891	1	05/19/2017 20:15	LJ
Methyl tert-butyl ether	BRL	5.0		ug/L	242891	1	05/19/2017 20:15	LJ
Methylcyclohexane	BRL	5.0		ug/L	242891	1	05/19/2017 20:15	LJ
Methylene chloride	BRL	5.0		ug/L	242891	1	05/19/2017 20:15	LJ
o-Xylene	BRL	5.0		ug/L	242891	1	05/19/2017 20:15	LJ
Styrene	BRL	5.0		ug/L	242891	1	05/19/2017 20:15	LJ
Tetrachloroethene	BRL	5.0		ug/L	242891	1	05/19/2017 20:15	LJ
Toluene	BRL	5.0		ug/L	242891	1	05/19/2017 20:15	LJ
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242891	1	05/19/2017 20:15	LJ
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242891	1	05/19/2017 20:15	LJ
Trichloroethene	BRL	5.0		ug/L	242891	1	05/19/2017 20:15	LJ
Trichlorofluoromethane	BRL	5.0		ug/L	242891	1	05/19/2017 20:15	LJ
Vinyl chloride	BRL	2.0		ug/L	242891	1	05/19/2017 20:15	LJ
Surr: 4-Bromofluorobenzene	92.7	66.1-129		%REC	242891	1	05/19/2017 20:15	LJ

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- E Estimated (value above quantitation range)
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- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc Date: 31-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	IRS
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/17/2017 3:00:00 PM
Lab ID:	1705G68-003	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5030B)**			
Surr: Dibromofluoromethane	105	83.6-123		%REC	242891	1	05/19/2017 20:15	LJ
Surr: Toluene-d8	104	81.8-118		%REC	242891	1	05/19/2017 20:15	LJ
Mercury, Total SW7470A					**(SW7470A)**			
Mercury	BRL	0.00020		mg/L	243099	1	05/25/2017 15:55	AS
METALS, TOTAL SW6010D					**(SW3010A)**			
Arsenic	BRL	0.0500		mg/L	242981	1	05/23/2017 20:36	IO
Barium	0.0580	0.0200		mg/L	242981	1	05/23/2017 20:36	IO
Cadmium	BRL	0.0050		mg/L	242981	1	05/23/2017 20:36	IO
Chromium	BRL	0.0100		mg/L	242981	1	05/23/2017 20:36	IO
Lead	BRL	0.0100		mg/L	242981	1	05/23/2017 20:36	IO
Selenium	BRL	0.0200		mg/L	242981	1	05/23/2017 20:36	IO
Silver	BRL	0.0100		mg/L	242981	1	05/23/2017 20:36	IO

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Analytical Environmental Services, Inc **Date:** 31-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	SS
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/17/2017 3:30:00 PM
Lab ID:	1705G68-004	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3510C)**			
1,1´-Biphenyl	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
2,4,5-Trichlorophenol	BRL	25		ug/L	242903	1	05/23/2017 16:16	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
2,4-Dichlorophenol	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
2,4-Dimethylphenol	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
2,4-Dinitrophenol	BRL	25		ug/L	242903	1	05/23/2017 16:16	YH
2,4-Dinitrotoluene	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
2,6-Dinitrotoluene	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
2-Chloronaphthalene	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
2-Chlorophenol	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
2-Methylnaphthalene	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
2-Methylphenol	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
2-Nitroaniline	BRL	25		ug/L	242903	1	05/23/2017 16:16	YH
2-Nitrophenol	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
3,3´-Dichlorobenzidine	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
3-Nitroaniline	BRL	25		ug/L	242903	1	05/23/2017 16:16	YH
4,6-Dinitro-2-methylphenol	BRL	25		ug/L	242903	1	05/23/2017 16:16	YH
4-Bromophenyl phenyl ether	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
4-Chloroaniline	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
4-Chlorophenyl phenyl ether	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
4-Methylphenol	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
4-Nitroaniline	BRL	25		ug/L	242903	1	05/23/2017 16:16	YH
4-Nitrophenol	BRL	25		ug/L	242903	1	05/23/2017 16:16	YH
Acenaphthene	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
Acenaphthylene	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
Acetophenone	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
Anthracene	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
Atrazine	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
Benz(a)anthracene	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
Benzaldehyde	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
Benzo(a)pyrene	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
Benzo(b)fluoranthene	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
Benzo(k)fluoranthene	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
Bis(2-chloroethoxy)methane	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
Bis(2-chloroethyl)ether	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
Bis(2-chloroisopropyl)ether	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
Bis(2-ethylhexyl)phthalate	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
Butyl benzyl phthalate	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
Caprolactam	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH

Qualifiers:

- * Value exceeds maximum contaminant level
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Analytical Environmental Services, Inc Date: 31-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	SS
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/17/2017 3:30:00 PM
Lab ID:	1705G68-004	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3510C)**				
Carbazole	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
Chrysene	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
Di-n-butyl phthalate	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
Di-n-octyl phthalate	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
Dibenzofuran	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
Diethyl phthalate	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
Dimethyl phthalate	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
Fluoranthene	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
Fluorene	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
Hexachlorobenzene	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
Hexachlorobutadiene	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
Hexachlorocyclopentadiene	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
Hexachloroethane	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
Isophorone	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
N-Nitrosodi-n-propylamine	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
N-Nitrosodiphenylamine	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
Naphthalene	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
Nitrobenzene	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
Pentachlorophenol	BRL	25		ug/L	242903	1	05/23/2017 16:16	YH
Phenanthrene	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
Phenol	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
Pyrene	BRL	10		ug/L	242903	1	05/23/2017 16:16	YH
Surr: 2,4,6-Tribromophenol	87.3	50-142		%REC	242903	1	05/23/2017 16:16	YH
Surr: 2-Fluorobiphenyl	81.3	46-124		%REC	242903	1	05/23/2017 16:16	YH
Surr: 2-Fluorophenol	40.5	25.3-120		%REC	242903	1	05/23/2017 16:16	YH
Surr: 4-Terphenyl-d14	102	45.1-133		%REC	242903	1	05/23/2017 16:16	YH
Surr: Nitrobenzene-d5	75.3	40.1-121		%REC	242903	1	05/23/2017 16:16	YH
Surr: Phenol-d5	25.8	16.3-120		%REC	242903	1	05/23/2017 16:16	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242891	1	05/19/2017 19:49	LJ
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242891	1	05/19/2017 19:49	LJ
1,1,2-Trichloroethane	BRL	5.0		ug/L	242891	1	05/19/2017 19:49	LJ
1,1-Dichloroethane	BRL	5.0		ug/L	242891	1	05/19/2017 19:49	LJ
1,1-Dichloroethene	BRL	5.0		ug/L	242891	1	05/19/2017 19:49	LJ
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242891	1	05/19/2017 19:49	LJ
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242891	1	05/19/2017 19:49	LJ
1,2-Dibromoethane	BRL	5.0		ug/L	242891	1	05/19/2017 19:49	LJ
1,2-Dichlorobenzene	BRL	5.0		ug/L	242891	1	05/19/2017 19:49	LJ

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 31-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	SS
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/17/2017 3:30:00 PM
Lab ID:	1705G68-004	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,2-Dichloroethane	BRL	5.0		ug/L	242891	1	05/19/2017 19:49	LJ
1,2-Dichloropropane	BRL	5.0		ug/L	242891	1	05/19/2017 19:49	LJ
1,3-Dichlorobenzene	BRL	5.0		ug/L	242891	1	05/19/2017 19:49	LJ
1,4-Dichlorobenzene	BRL	5.0		ug/L	242891	1	05/19/2017 19:49	LJ
2-Butanone	BRL	50		ug/L	242891	1	05/19/2017 19:49	LJ
2-Hexanone	BRL	10		ug/L	242891	1	05/19/2017 19:49	LJ
4-Methyl-2-pentanone	BRL	10		ug/L	242891	1	05/19/2017 19:49	LJ
Acetone	BRL	50		ug/L	242891	1	05/19/2017 19:49	LJ
Benzene	BRL	5.0		ug/L	242891	1	05/19/2017 19:49	LJ
Bromodichloromethane	BRL	5.0		ug/L	242891	1	05/19/2017 19:49	LJ
Bromoform	BRL	5.0		ug/L	242891	1	05/19/2017 19:49	LJ
Bromomethane	BRL	5.0		ug/L	242891	1	05/19/2017 19:49	LJ
Carbon disulfide	BRL	5.0		ug/L	242891	1	05/19/2017 19:49	LJ
Carbon tetrachloride	BRL	5.0		ug/L	242891	1	05/19/2017 19:49	LJ
Chlorobenzene	BRL	5.0		ug/L	242891	1	05/19/2017 19:49	LJ
Chloroethane	BRL	10		ug/L	242891	1	05/19/2017 19:49	LJ
Chloroform	BRL	5.0		ug/L	242891	1	05/19/2017 19:49	LJ
Chloromethane	BRL	10		ug/L	242891	1	05/19/2017 19:49	LJ
cis-1,2-Dichloroethene	BRL	5.0		ug/L	242891	1	05/19/2017 19:49	LJ
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242891	1	05/19/2017 19:49	LJ
Cyclohexane	BRL	5.0		ug/L	242891	1	05/19/2017 19:49	LJ
Dibromochloromethane	BRL	5.0		ug/L	242891	1	05/19/2017 19:49	LJ
Dichlorodifluoromethane	BRL	10		ug/L	242891	1	05/19/2017 19:49	LJ
Ethylbenzene	BRL	5.0		ug/L	242891	1	05/19/2017 19:49	LJ
Freon-113	BRL	10		ug/L	242891	1	05/19/2017 19:49	LJ
Isopropylbenzene	BRL	5.0		ug/L	242891	1	05/19/2017 19:49	LJ
m,p-Xylene	BRL	5.0		ug/L	242891	1	05/19/2017 19:49	LJ
Methyl acetate	BRL	5.0		ug/L	242891	1	05/19/2017 19:49	LJ
Methyl tert-butyl ether	BRL	5.0		ug/L	242891	1	05/19/2017 19:49	LJ
Methylcyclohexane	BRL	5.0		ug/L	242891	1	05/19/2017 19:49	LJ
Methylene chloride	BRL	5.0		ug/L	242891	1	05/19/2017 19:49	LJ
o-Xylene	BRL	5.0		ug/L	242891	1	05/19/2017 19:49	LJ
Styrene	BRL	5.0		ug/L	242891	1	05/19/2017 19:49	LJ
Tetrachloroethene	BRL	5.0		ug/L	242891	1	05/19/2017 19:49	LJ
Toluene	BRL	5.0		ug/L	242891	1	05/19/2017 19:49	LJ
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242891	1	05/19/2017 19:49	LJ
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242891	1	05/19/2017 19:49	LJ
Trichloroethene	BRL	5.0		ug/L	242891	1	05/19/2017 19:49	LJ
Trichlorofluoromethane	BRL	5.0		ug/L	242891	1	05/19/2017 19:49	LJ
Vinyl chloride	BRL	2.0		ug/L	242891	1	05/19/2017 19:49	LJ
Surr: 4-Bromofluorobenzene	88.1	66.1-129		%REC	242891	1	05/19/2017 19:49	LJ

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 31-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	SS
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/17/2017 3:30:00 PM
Lab ID:	1705G68-004	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Surr: Dibromofluoromethane	104	83.6-123		%REC	242891	1	05/19/2017 19:49	LJ
Surr: Toluene-d8	107	81.8-118		%REC	242891	1	05/19/2017 19:49	LJ
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	243099	1	05/25/2017 15:58	AS
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	242981	1	05/23/2017 20:40	IO
Barium	0.0740	0.0200		mg/L	242981	1	05/23/2017 20:40	IO
Cadmium	BRL	0.0050		mg/L	242981	1	05/23/2017 20:40	IO
Chromium	BRL	0.0100		mg/L	242981	1	05/23/2017 20:40	IO
Lead	BRL	0.0100		mg/L	242981	1	05/23/2017 20:40	IO
Selenium	BRL	0.0200		mg/L	242981	1	05/23/2017 20:40	IO
Silver	BRL	0.0100		mg/L	242981	1	05/23/2017 20:40	IO

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
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- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc Date: 31-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	TRIP BLANK
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/18/2017
Lab ID:	1705G68-005	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	242891	1	05/19/2017 19:23	LJ
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	242891	1	05/19/2017 19:23	LJ
1,1,2-Trichloroethane	BRL	5.0		ug/L	242891	1	05/19/2017 19:23	LJ
1,1-Dichloroethane	BRL	5.0		ug/L	242891	1	05/19/2017 19:23	LJ
1,1-Dichloroethene	BRL	5.0		ug/L	242891	1	05/19/2017 19:23	LJ
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	242891	1	05/19/2017 19:23	LJ
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	242891	1	05/19/2017 19:23	LJ
1,2-Dibromoethane	BRL	5.0		ug/L	242891	1	05/19/2017 19:23	LJ
1,2-Dichlorobenzene	BRL	5.0		ug/L	242891	1	05/19/2017 19:23	LJ
1,2-Dichloroethane	BRL	5.0		ug/L	242891	1	05/19/2017 19:23	LJ
1,2-Dichloropropane	BRL	5.0		ug/L	242891	1	05/19/2017 19:23	LJ
1,3-Dichlorobenzene	BRL	5.0		ug/L	242891	1	05/19/2017 19:23	LJ
1,4-Dichlorobenzene	BRL	5.0		ug/L	242891	1	05/19/2017 19:23	LJ
2-Butanone	BRL	50		ug/L	242891	1	05/19/2017 19:23	LJ
2-Hexanone	BRL	10		ug/L	242891	1	05/19/2017 19:23	LJ
4-Methyl-2-pentanone	BRL	10		ug/L	242891	1	05/19/2017 19:23	LJ
Acetone	BRL	50		ug/L	242891	1	05/19/2017 19:23	LJ
Benzene	BRL	5.0		ug/L	242891	1	05/19/2017 19:23	LJ
Bromodichloromethane	BRL	5.0		ug/L	242891	1	05/19/2017 19:23	LJ
Bromoform	BRL	5.0		ug/L	242891	1	05/19/2017 19:23	LJ
Bromomethane	BRL	5.0		ug/L	242891	1	05/19/2017 19:23	LJ
Carbon disulfide	BRL	5.0		ug/L	242891	1	05/19/2017 19:23	LJ
Carbon tetrachloride	BRL	5.0		ug/L	242891	1	05/19/2017 19:23	LJ
Chlorobenzene	BRL	5.0		ug/L	242891	1	05/19/2017 19:23	LJ
Chloroethane	BRL	10		ug/L	242891	1	05/19/2017 19:23	LJ
Chloroform	BRL	5.0		ug/L	242891	1	05/19/2017 19:23	LJ
Chloromethane	BRL	10		ug/L	242891	1	05/19/2017 19:23	LJ
cis-1,2-Dichloroethene	BRL	5.0		ug/L	242891	1	05/19/2017 19:23	LJ
cis-1,3-Dichloropropene	BRL	5.0		ug/L	242891	1	05/19/2017 19:23	LJ
Cyclohexane	BRL	5.0		ug/L	242891	1	05/19/2017 19:23	LJ
Dibromochloromethane	BRL	5.0		ug/L	242891	1	05/19/2017 19:23	LJ
Dichlorodifluoromethane	BRL	10		ug/L	242891	1	05/19/2017 19:23	LJ
Ethylbenzene	BRL	5.0		ug/L	242891	1	05/19/2017 19:23	LJ
Freon-113	BRL	10		ug/L	242891	1	05/19/2017 19:23	LJ
Isopropylbenzene	BRL	5.0		ug/L	242891	1	05/19/2017 19:23	LJ
m,p-Xylene	BRL	5.0		ug/L	242891	1	05/19/2017 19:23	LJ
Methyl acetate	BRL	5.0		ug/L	242891	1	05/19/2017 19:23	LJ
Methyl tert-butyl ether	BRL	5.0		ug/L	242891	1	05/19/2017 19:23	LJ
Methylcyclohexane	BRL	5.0		ug/L	242891	1	05/19/2017 19:23	LJ
Methylene chloride	BRL	5.0		ug/L	242891	1	05/19/2017 19:23	LJ
o-Xylene	BRL	5.0		ug/L	242891	1	05/19/2017 19:23	LJ

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 31-May-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	TRIP BLANK
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/18/2017
Lab ID:	1705G68-005	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	242891	1	05/19/2017 19:23	LJ
Tetrachloroethene	BRL	5.0		ug/L	242891	1	05/19/2017 19:23	LJ
Toluene	BRL	5.0		ug/L	242891	1	05/19/2017 19:23	LJ
trans-1,2-Dichloroethene	BRL	5.0		ug/L	242891	1	05/19/2017 19:23	LJ
trans-1,3-Dichloropropene	BRL	5.0		ug/L	242891	1	05/19/2017 19:23	LJ
Trichloroethene	BRL	5.0		ug/L	242891	1	05/19/2017 19:23	LJ
Trichlorofluoromethane	BRL	5.0		ug/L	242891	1	05/19/2017 19:23	LJ
Vinyl chloride	BRL	2.0		ug/L	242891	1	05/19/2017 19:23	LJ
Surr: 4-Bromofluorobenzene	88	66.1-129		%REC	242891	1	05/19/2017 19:23	LJ
Surr: Dibromofluoromethane	103	83.6-123		%REC	242891	1	05/19/2017 19:23	LJ
Surr: Toluene-d8	105	81.8-118		%REC	242891	1	05/19/2017 19:23	LJ

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 31-May-17

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: WPR				**Lab ID:** 1705G68-001			
Collection Date: 5/17/2017 2:00:00 PM				**Matrix:** Soil			
TOTAL MERCURY SW7471B				**(SW7471B)**			
Mercury	0.545		0.0141	0.0952	mg/Kg-dry	243101	1
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**			
Bis(2-ethylhexyl)phthalate	60000		17000	34000	ug/Kg-dry	242851	5
Butyl benzyl phthalate	480000		15000	34000	ug/Kg-dry	242851	5
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**			
Methyl acetate	1500		130	240	ug/Kg-dry	242895	50
METALS, TOTAL SW6010D				**(SW3050B)**			
Barium	249		0.142	8.97	mg/Kg-dry	243125	2
Cadmium	14.3		0.0313	2.24	mg/Kg-dry	243125	1
Chromium	34.4		0.0288	2.24	mg/Kg-dry	243125	1
Lead	608		0.121	8.97	mg/Kg-dry	243125	2
PERCENT MOISTURE D2216							
Percent Moisture	2.40		0	0	wt%	R343577	1
Client Sample ID: EPR				**Lab ID:** 1705G68-002			
Collection Date: 5/17/2017 2:15:00 PM				**Matrix:** Soil			
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**			
Methyl acetate	410		190	360	ug/Kg-dry	242895	50
Styrene	5700		95	360	ug/Kg-dry	242895	50
METALS, TOTAL SW6010D				**(SW3050B)**			
Barium	79.7		0.0794	5.02	mg/Kg-dry	243125	1
Chromium	22.5		0.0322	2.51	mg/Kg-dry	243125	1
Lead	7.00		0.0678	5.02	mg/Kg-dry	243125	1
PERCENT MOISTURE D2216							
Percent Moisture	7.76		0	0	wt%	R343577	1
Client Sample ID: IRS				**Lab ID:** 1705G68-003			
Collection Date: 5/17/2017 3:00:00 PM				**Matrix:** Aqueous			
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.0580		0.0031	0.0200	mg/L	242981	1
Client Sample ID: SS				**Lab ID:** 1705G68-004			
Collection Date: 5/17/2017 3:30:00 PM				**Matrix:** Aqueous			
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.0740		0.0031	0.0200	mg/L	242981	1

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Clear Save as

AES ANALYTICAL ENVIRONMENTAL SERVICES, INC.

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: **RESOLUTE ENV. & WATER RESOURCES CONSULTING, LLC** AES Work Order Number: **1705G68**

2. Carrier: FedEx ☐ UPS ☐ USPS ☐ Client ■ Courier ☐ Other _____

		Yes	No	N/A	Details	Comments
3.	Shipping container/cooler received in good condition?	⊙	○	○	damaged ☐ leaking ☐ other ☐	
4.	Custody seals present on shipping container?	○	⊙	○		
5.	Custody seals intact on shipping container?	○	○	⊙		
6.	Temperature blanks present?	⊙	○	○		
7.	Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	⊙	○	○	Cooling initiated for recently collected samples / ice present ☐	
8.	Chain of Custody (COC) present?	⊙	○	○		
9.	Chain of Custody signed, dated, and timed when relinquished and received?	⊙	○	○		
10.	Sampler name and/or signature on COC?	⊙	○	○		
11.	Were all samples received within holding time?	⊙	○	○		
12.	TAT marked on the COC?	⊙	○	○	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. ☐	

13. Cooler 1 Temperature 5.3 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

14. Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). MDP 5/18/17

		Yes	No	N/A	Details	Comments
16.	Were sample containers intact upon receipt?	⊙	○	○		
17.	Custody seals present on sample containers?	○	⊙	○		
18.	Custody seals intact on sample containers?	○	○	⊙		
19.	Do sample container labels match the COC?	⊙	○	○	incomplete info ☐ illegible ☐ no label ☐ other ☐	
20.	Are analyses requested indicated on the COC?	⊙	○	○		
21.	Were all of the samples listed on the COC received?	⊙	○	○	samples received but not listed on COC ☐ samples listed on COC not received ☐	
22.	Was the sample collection date/time noted?	⊙	○	○		
23.	Did we receive sufficient sample volume for indicated analyses?	⊙	○	○		
24.	Were samples received in appropriate containers?	⊙	○	○		
25.	Were VOA samples received without headspace (< 1/4" bubble)?	⊙	○	○		
26.	Were trip blanks submitted?	⊙	○	○	listed on COC ☐ not listed on COC ■	

27. Comments: _____

I certify that I have completed sections 16-27 (dated initials). BB 5/18/17

		Yes	No	N/A	Details	Comments
28.	Have containers needing chemical preservation been checked?	⊙	○	○		
29.	Containers meet preservation guidelines?	⊙	○	○		
30.	Was pH adjusted?	○	⊙	○		

I certify that I have completed sections 28-30 (dated initials). BB 5/18/17

Checklist 1/19/17 Rev 0.

Locked

Analytical Environmental Services, Inc

Date: 31-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705G68

ANALYTICAL QC SUMMARY REPORT

BatchID: 242851

Sample ID: **MB-242851** Client ID: Units: **ug/Kg** Prep Date: **05/19/2017** Run No: **343523**
SampleType: **MBLK** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **242851** Analysis Date: **05/19/2017** Seq No: **7531629**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1'-Biphenyl	BRL	330									
2,4,5-Trichlorophenol	BRL	1700									
2,4,6-Trichlorophenol	BRL	330									
2,4-Dichlorophenol	BRL	330									
2,4-Dimethylphenol	BRL	330									
2,4-Dinitrophenol	BRL	1700									
2,4-Dinitrotoluene	BRL	330									
2,6-Dinitrotoluene	BRL	330									
2-Chloronaphthalene	BRL	330									
2-Chlorophenol	BRL	330									
2-Methylnaphthalene	BRL	330									
2-Methylphenol	BRL	330									
2-Nitroaniline	BRL	1700									
2-Nitrophenol	BRL	330									
3,3'-Dichlorobenzidine	BRL	670									
3-Nitroaniline	BRL	1700									
4,6-Dinitro-2-methylphenol	BRL	1700									
4-Bromophenyl phenyl ether	BRL	330									
4-Chloro-3-methylphenol	BRL	330									
4-Chloroaniline	BRL	330									
4-Chlorophenyl phenyl ether	BRL	330									
4-Methylphenol	BRL	330									
4-Nitroaniline	BRL	1700									
4-Nitrophenol	BRL	1700									
Acenaphthene	BRL	330									
Acenaphthylene	BRL	330									
Acetophenone	BRL	330									

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Analytical Environmental Services, Inc **Date:** 31-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705G68

ANALYTICAL QC SUMMARY REPORT

BatchID: 242851

Sample ID: **MB-242851** Client ID: Units: **ug/Kg** Prep Date: **05/19/2017** Run No: **343523**
SampleType: **MBLK** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **242851** Analysis Date: **05/19/2017** Seq No: **7531629**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Anthracene	BRL	330									
Atrazine	BRL	330									
Benz(a)anthracene	BRL	330									
Benzaldehyde	BRL	330									
Benzo(a)pyrene	BRL	330									
Benzo(b)fluoranthene	BRL	330									
Benzo(g,h,i)perylene	BRL	330									
Benzo(k)fluoranthene	BRL	330									
Bis(2-chloroethoxy)methane	BRL	330									
Bis(2-chloroethyl)ether	BRL	330									
Bis(2-chloroisopropyl)ether	BRL	330									
Bis(2-ethylhexyl)phthalate	BRL	330									
Butyl benzyl phthalate	BRL	330									
Caprolactam	BRL	330									
Carbazole	BRL	330									
Chrysene	BRL	330									
Di-n-butyl phthalate	BRL	330									
Di-n-octyl phthalate	BRL	330									
Dibenz(a,h)anthracene	BRL	330									
Dibenzofuran	BRL	330									
Diethyl phthalate	BRL	330									
Dimethyl phthalate	BRL	330									
Fluoranthene	BRL	330									
Fluorene	BRL	330									
Hexachlorobenzene	BRL	330									
Hexachlorobutadiene	BRL	330									
Hexachlorocyclopentadiene	BRL	660									

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 31-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705G68

ANALYTICAL QC SUMMARY REPORT

BatchID: 242851

Sample ID: **MB-242851** Client ID: Units: **ug/Kg** Prep Date: **05/19/2017** Run No: **343523**
SampleType: **MBLK** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **242851** Analysis Date: **05/19/2017** Seq No: **7531629**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Hexachloroethane	BRL	330									
Indeno(1,2,3-cd)pyrene	BRL	330									
Isophorone	BRL	330									
N-Nitrosodi-n-propylamine	BRL	330									
N-Nitrosodiphenylamine	BRL	330									
Naphthalene	BRL	330									
Nitrobenzene	BRL	330									
Pentachlorophenol	BRL	1700									
Phenanthrene	BRL	330									
Phenol	BRL	330									
Pyrene	BRL	330									
Surr: 2,4,6-Tribromophenol	1984	0	3333		59.5	46.9	137				
Surr: 2-Fluorobiphenyl	1003	0	1667		60.2	50	115				
Surr: 2-Fluorophenol	2288	0	3333		68.6	41.2	105				
Surr: 4-Terphenyl-d14	1279	0	1667		76.8	51.9	126				
Surr: Nitrobenzene-d5	1134	0	1667		68.1	40.2	113				
Surr: Phenol-d5	2341	0	3333		70.2	45	109				

Sample ID: **LCS-242851** Client ID: Units: **ug/Kg** Prep Date: **05/19/2017** Run No: **343523**
SampleType: **LCS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **242851** Analysis Date: **05/19/2017** Seq No: **7531630**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4-Dinitrotoluene	2528	330	3333		75.9	59.1	124				
2-Chlorophenol	2465	330	3333		74.0	60.1	120				
4-Chloro-3-methylphenol	2589	330	3333		77.7	63.4	117				
4-Nitrophenol	2171	1700	3333		65.1	43.2	120				
Acenaphthene	2395	330	3333		71.8	68	120				
N-Nitrosodi-n-propylamine	3008	330	3333		90.2	60	124				

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705G68

ANALYTICAL QC SUMMARY REPORT

BatchID: 242851

Sample ID: **LCS-242851** Client ID: Units: **ug/Kg** Prep Date: **05/19/2017** Run No: **343523**
SampleType: **LCS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **242851** Analysis Date: **05/19/2017** Seq No: **7531630**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pentachlorophenol	2537	1700	3333		76.1	40.5	122				
Phenol	2354	330	3333		70.6	50.1	120				
Pyrene	2890	330	3333		86.7	65	129				
Surr: 2,4,6-Tribromophenol	2524	0	3333		75.7	46.9	137				
Surr: 2-Fluorobiphenyl	1162	0	1667		69.7	50	115				
Surr: 2-Fluorophenol	2446	0	3333		73.4	41.2	105				
Surr: 4-Terphenyl-d14	1528	0	1667		91.7	51.9	126				
Surr: Nitrobenzene-d5	1276	0	1667		76.6	40.2	113				
Surr: Phenol-d5	2523	0	3333		75.7	45	109				

Sample ID: **1705G27-004BMS** Client ID: Units: **ug/Kg-dry** Prep Date: **05/19/2017** Run No: **343523**
SampleType: **MS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **242851** Analysis Date: **05/19/2017** Seq No: **7534103**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4-Dinitrotoluene	2254	400	4019		56.1	50.4	120				
2-Chlorophenol	2138	400	4019		53.2	50.1	100				
4-Chloro-3-methylphenol	2389	400	4019		59.5	53.8	120				
4-Nitrophenol	BRL	2000	4019		48.3	31	120				
Acenaphthene	2098	400	4019		52.2	51.1	120				
N-Nitrosodi-n-propylamine	2581	400	4019		64.2	47.6	120				
Pentachlorophenol	2283	2000	4019		56.8	40	131				
Phenol	2048	400	4019		51.0	40.7	120				
Pyrene	2492	400	4019		62.0	48.1	123				
Surr: 2,4,6-Tribromophenol	2202	0	4019		54.8	46.9	137				
Surr: 2-Fluorobiphenyl	1029	0	2009		51.2	50	115				
Surr: 2-Fluorophenol	1998	0	4019		49.7	41.2	105				
Surr: 4-Terphenyl-d14	1333	0	2009		66.3	51.9	126				
Surr: Nitrobenzene-d5	1093	0	2009		54.4	40.2	113				

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 31-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705G68

ANALYTICAL QC SUMMARY REPORT

BatchID: 242851

Sample ID: **1705G27-004BMS** Client ID:
SampleType: **MS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D**
Units: **ug/Kg-dry** BatchID: **242851**
Prep Date: **05/19/2017** Analysis Date: **05/19/2017**
Run No: **343523** Seq No: **7534103**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Phenol-d5	2185	0	4019		54.4	45	109				

Sample ID: **1705G27-004BMSD** Client ID:
SampleType: **MSD** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D**
Units: **ug/Kg-dry** BatchID: **242851**
Prep Date: **05/19/2017** Analysis Date: **05/19/2017**
Run No: **343523** Seq No: **7534104**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4-Dinitrotoluene	2519	400	4019		62.7	50.4	120	2254	11.1	35.2	
2-Chlorophenol	2572	400	4019		64.0	50.1	100	2138	18.5	25.9	
4-Chloro-3-methylphenol	2633	400	4019		65.5	53.8	120	2389	9.70	25	
4-Nitrophenol	2299	2000	4019		57.2	31	120	1942	16.8	28.4	
Acenaphthene	2385	400	4019		59.4	51.1	120	2098	12.8	25.9	
N-Nitrosodi-n-propylamine	2952	400	4019		73.5	47.6	120	2581	13.4	23.9	
Pentachlorophenol	2651	2000	4019		66.0	40	131	2283	15.0	48.3	
Phenol	2436	400	4019		60.6	40.7	120	2048	17.3	28.7	
Pyrene	2699	400	4019		67.2	48.1	123	2492	7.99	23.9	
Surr: 2,4,6-Tribromophenol	2488	0	4019		61.9	46.9	137	2202	0	0	
Surr: 2-Fluorobiphenyl	1193	0	2009		59.4	50	115	1029	0	0	
Surr: 2-Fluorophenol	2488	0	4019		61.9	41.2	105	1998	0	0	
Surr: 4-Terphenyl-d14	1424	0	2009		70.9	51.9	126	1333	0	0	
Surr: Nitrobenzene-d5	1279	0	2009		63.6	40.2	113	1093	0	0	
Surr: Phenol-d5	2596	0	4019		64.6	45	109	2185	0	0	

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705G68

ANALYTICAL QC SUMMARY REPORT

BatchID: 242891

Sample ID: **MB-242891** Client ID: Units: **ug/L** Prep Date: **05/19/2017** Run No: **343515**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242891** Analysis Date: **05/19/2017** Seq No: **7531846**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	50									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 31-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705G68

ANALYTICAL QC SUMMARY REPORT

BatchID: 242891

Sample ID: **MB-242891** Client ID:
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B**
Units: **ug/L** BatchID: **242891**
Prep Date: **05/19/2017** Analysis Date: **05/19/2017**
Run No: **343515** Seq No: **7531846**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	2.0									
Surr: 4-Bromofluorobenzene	43.83	0	50.00		87.7	66.1	129				
Surr: Dibromofluoromethane	49.14	0	50.00		98.3	83.6	123				
Surr: Toluene-d8	51.11	0	50.00		102	81.8	118				

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705G68

ANALYTICAL QC SUMMARY REPORT

BatchID: 242891

Sample ID: **LCS-242891** Client ID: Units: **ug/L** Prep Date: **05/19/2017** Run No: **343515**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242891** Analysis Date: **05/19/2017** Seq No: **7531845**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	53.06	5.0	50.00		106	68	139				
Benzene	55.86	5.0	50.00		112	74	125				
Chlorobenzene	50.92	5.0	50.00		102	75.7	123				
Toluene	55.41	5.0	50.00		111	75.9	126				
Trichloroethene	48.20	5.0	50.00		96.4	70.6	129				
Surr: 4-Bromofluorobenzene	47.24	0	50.00		94.5	66.1	129				
Surr: Dibromofluoromethane	49.85	0	50.00		99.7	83.6	123				
Surr: Toluene-d8	50.98	0	50.00		102	81.8	118				

Sample ID: **1705H26-007AMS** Client ID: Units: **ug/L** Prep Date: **05/19/2017** Run No: **343584**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242891** Analysis Date: **05/20/2017** Seq No: **7533659**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	64.18	5.0	50.00		128	64.3	149				
Benzene	60.59	5.0	50.00		121	71.6	132				
Chlorobenzene	49.27	5.0	50.00		98.5	73.1	126				
Toluene	60.43	5.0	50.00		121	72.5	135				
Trichloroethene	51.99	5.0	50.00		104	70.2	132				
Surr: 4-Bromofluorobenzene	42.08	0	50.00		84.2	66.1	129				
Surr: Dibromofluoromethane	50.61	0	50.00		101	83.6	123				
Surr: Toluene-d8	52.85	0	50.00		106	81.8	118				

Sample ID: **1705H26-007AMSD** Client ID: Units: **ug/L** Prep Date: **05/19/2017** Run No: **343584**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242891** Analysis Date: **05/20/2017** Seq No: **7533660**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	59.28	5.0	50.00		119	64.3	149	64.18	7.94	30.8	
Benzene	59.51	5.0	50.00		119	71.6	132	60.59	1.80	20.7	

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 31-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705G68

ANALYTICAL QC SUMMARY REPORT

BatchID: 242891

Sample ID: **1705H26-007AMSD** Client ID:
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B**
Units: **ug/L** BatchID: **242891**
Prep Date: **05/19/2017** Analysis Date: **05/20/2017**
Run No: **343584** Seq No: **7533660**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	49.62	5.0	50.00		99.2	73.1	126	49.27	0.708	26.6	
Toluene	59.94	5.0	50.00		120	72.5	135	60.43	0.814	23.2	
Trichloroethene	50.70	5.0	50.00		101	70.2	132	51.99	2.51	27.7	
Surr: 4-Bromofluorobenzene	48.00	0	50.00		96.0	66.1	129	42.08	0	0	
Surr: Dibromofluoromethane	49.43	0	50.00		98.9	83.6	123	50.61	0	0	
Surr: Toluene-d8	52.33	0	50.00		105	81.8	118	52.85	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705G68

ANALYTICAL QC SUMMARY REPORT

BatchID: 242895

Sample ID: **MB-242895** Client ID: Units: **ug/Kg** Prep Date: **05/19/2017** Run No: **343544**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242895** Analysis Date: **05/19/2017** Seq No: **7532660**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	250									
1,1,2,2-Tetrachloroethane	BRL	250									
1,1,2-Trichloroethane	BRL	250									
1,1-Dichloroethane	BRL	250									
1,1-Dichloroethene	BRL	250									
1,2,4-Trichlorobenzene	BRL	250									
1,2-Dibromo-3-chloropropane	BRL	250									
1,2-Dibromoethane	BRL	250									
1,2-Dichlorobenzene	BRL	250									
1,2-Dichloroethane	BRL	250									
1,2-Dichloropropane	BRL	250									
1,3-Dichlorobenzene	BRL	250									
1,4-Dichlorobenzene	BRL	250									
2-Butanone	BRL	2500									
2-Hexanone	BRL	500									
4-Methyl-2-pentanone	BRL	500									
Acetone	BRL	5000									
Benzene	BRL	250									
Bromodichloromethane	BRL	250									
Bromoform	BRL	250									
Bromomethane	BRL	250									
Carbon disulfide	BRL	500									
Carbon tetrachloride	BRL	250									
Chlorobenzene	BRL	250									
Chloroethane	BRL	500									
Chloroform	BRL	250									
Chloromethane	BRL	500									

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 31-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705G68

ANALYTICAL QC SUMMARY REPORT

BatchID: 242895

Sample ID: **MB-242895** Client ID:
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B**
Units: **ug/Kg** Prep Date: **05/19/2017** Run No: **343544**
BatchID: **242895** Analysis Date: **05/19/2017** Seq No: **7532660**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	250									
cis-1,3-Dichloropropene	BRL	250									
Cyclohexane	BRL	250									
Dibromochloromethane	BRL	250									
Dichlorodifluoromethane	BRL	500									
Ethylbenzene	BRL	250									
Freon-113	BRL	500									
Isopropylbenzene	BRL	250									
m,p-Xylene	BRL	250									
Methyl acetate	BRL	250									
Methyl tert-butyl ether	BRL	250									
Methylcyclohexane	BRL	250									
Methylene chloride	BRL	1000									
o-Xylene	BRL	250									
Styrene	BRL	250									
Tetrachloroethene	BRL	250									
Toluene	BRL	250									
trans-1,2-Dichloroethene	BRL	250									
trans-1,3-Dichloropropene	BRL	250									
Trichloroethene	BRL	250									
Trichlorofluoromethane	BRL	250									
Vinyl chloride	BRL	500									
Surr: 4-Bromofluorobenzene	2468	0	2500		98.7	63	125				
Surr: Dibromofluoromethane	2572	0	2500		103	69.9	123				
Surr: Toluene-d8	2504	0	2500		100	70	122				

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705G68

ANALYTICAL QC SUMMARY REPORT

BatchID: 242895

Sample ID: **LCS-242895** Client ID: Units: **ug/Kg** Prep Date: **05/19/2017** Run No: **343544**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242895** Analysis Date: **05/19/2017** Seq No: **7532659**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	2635	250	2500		105	62	142				
Benzene	2740	250	2500		110	70.2	131				
Chlorobenzene	2532	250	2500		101	72.9	129				
Toluene	2750	250	2500		110	70.6	131				
Trichloroethene	2685	250	2500		107	70.1	136				
Surr: 4-Bromofluorobenzene	2506	0	2500		100	63	125				
Surr: Dibromofluoromethane	2484	0	2500		99.3	69.9	123				
Surr: Toluene-d8	2502	0	2500		100	70	122				

Sample ID: **1705D08-005AMS** Client ID: Units: **ug/Kg-dry** Prep Date: **05/19/2017** Run No: **343618**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242895** Analysis Date: **05/22/2017** Seq No: **7536573**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	39710	3400	34410		115	55	143				
Benzene	40260	3400	34410		117	68.5	128				
Chlorobenzene	35020	3400	34410		102	67.7	126				
Toluene	42080	3400	34410		122	66.9	128				
Trichloroethene	35010	3400	34410		102	60.7	133				
Surr: 4-Bromofluorobenzene	33020	0	34410		95.9	63	125				
Surr: Dibromofluoromethane	34040	0	34410		98.9	69.9	123				
Surr: Toluene-d8	35290	0	34410		103	70	122				

Sample ID: **1705D08-005AMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **05/19/2017** Run No: **343618**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **242895** Analysis Date: **05/22/2017** Seq No: **7536574**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	39200	3400	34410		114	55	143	39710	1.27	19.3	
Benzene	39140	3400	34410		114	68.5	128	40260	2.83	20	

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 31-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705G68

ANALYTICAL QC SUMMARY REPORT

BatchID: 242895

Sample ID: **1705D08-005AMSD** Client ID:
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B**
Units: **ug/Kg-dry** BatchID: **242895**
Prep Date: **05/19/2017** Analysis Date: **05/22/2017**
Run No: **343618** Seq No: **7536574**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	34980	3400	34410		102	67.7	126	35020	0.118	20	
Toluene	40940	3400	34410		119	66.9	128	42080	2.75	20	
Trichloroethene	33700	3400	34410		97.9	60.7	133	35010	3.79	20	
Surr: 4-Bromofluorobenzene	31240	0	34410		90.8	63	125	33020	0	0	
Surr: Dibromofluoromethane	33680	0	34410		97.9	69.9	123	34040	0	0	
Surr: Toluene-d8	34840	0	34410		101	70	122	35290	0	0	

Qualifiers:
> Greater than Result value
< Less than Result value
B Analyte detected in the associated method blank
BRL Below reporting limit
E Estimated (value above quantitation range)
H Holding times for preparation or analysis exceeded
J Estimated value detected below Reporting Limit
N Analyte not NELAC certified
R RPD outside limits due to matrix
Rpt Lim Reporting Limit
S Spike Recovery outside limits due to matrix

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705G68

ANALYTICAL QC SUMMARY REPORT

BatchID: 242903

Sample ID: **MB-242903** Client ID: Units: **ug/L** Prep Date: **05/22/2017** Run No: **343670**
SampleType: **MBLK** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **242903** Analysis Date: **05/22/2017** Seq No: **7535897**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1'-Biphenyl	BRL	10									
2,4,5-Trichlorophenol	BRL	25									
2,4,6-Trichlorophenol	BRL	10									
2,4-Dichlorophenol	BRL	10									
2,4-Dimethylphenol	BRL	10									
2,4-Dinitrophenol	BRL	25									
2,4-Dinitrotoluene	BRL	10									
2,6-Dinitrotoluene	BRL	10									
2-Chloronaphthalene	BRL	10									
2-Chlorophenol	BRL	10									
2-Methylnaphthalene	BRL	10									
2-Methylphenol	BRL	10									
2-Nitroaniline	BRL	25									
2-Nitrophenol	BRL	10									
3,3'-Dichlorobenzidine	BRL	10									
3-Nitroaniline	BRL	25									
4,6-Dinitro-2-methylphenol	BRL	25									
4-Bromophenyl phenyl ether	BRL	10									
4-Chloro-3-methylphenol	BRL	10									
4-Chloroaniline	BRL	10									
4-Chlorophenyl phenyl ether	BRL	10									
4-Methylphenol	BRL	10									
4-Nitroaniline	BRL	25									
4-Nitrophenol	BRL	25									
Acenaphthene	BRL	10									
Acenaphthylene	BRL	10									
Acetophenone	BRL	10									

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 31-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705G68

ANALYTICAL QC SUMMARY REPORT

BatchID: 242903

Sample ID: **MB-242903** Client ID:
SampleType: **MBLK** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D**
Units: **ug/L** BatchID: **242903**
Prep Date: **05/22/2017** Analysis Date: **05/22/2017**
Run No: **343670** Seq No: **7535897**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Anthracene	BRL	10									
Atrazine	BRL	10									
Benz(a)anthracene	BRL	10									
Benzaldehyde	BRL	10									
Benzo(a)pyrene	BRL	10									
Benzo(b)fluoranthene	BRL	10									
Benzo(g,h,i)perylene	BRL	10									
Benzo(k)fluoranthene	BRL	10									
Bis(2-chloroethoxy)methane	BRL	10									
Bis(2-chloroethyl)ether	BRL	10									
Bis(2-chloroisopropyl)ether	BRL	10									
Bis(2-ethylhexyl)phthalate	BRL	10									
Butyl benzyl phthalate	BRL	10									
Caprolactam	BRL	10									
Carbazole	BRL	10									
Chrysene	BRL	10									
Di-n-butyl phthalate	BRL	10									
Di-n-octyl phthalate	BRL	10									
Dibenz(a,h)anthracene	BRL	10									
Dibenzofuran	BRL	10									
Diethyl phthalate	BRL	10									
Dimethyl phthalate	BRL	10									
Fluoranthene	BRL	10									
Fluorene	BRL	10									
Hexachlorobenzene	BRL	10									
Hexachlorobutadiene	BRL	10									
Hexachlorocyclopentadiene	BRL	10									

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
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R RPD outside limits due to matrix

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705G68

ANALYTICAL QC SUMMARY REPORT

BatchID: 242903

Sample ID: **MB-242903** Client ID: Units: **ug/L** Prep Date: **05/22/2017** Run No: **343670**
SampleType: **MBLK** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **242903** Analysis Date: **05/22/2017** Seq No: **7535897**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Hexachloroethane	BRL	10									
Indeno(1,2,3-cd)pyrene	BRL	10									
Isophorone	BRL	10									
N-Nitrosodi-n-propylamine	BRL	10									
N-Nitrosodiphenylamine	BRL	10									
Naphthalene	BRL	10									
Nitrobenzene	BRL	10									
Pentachlorophenol	BRL	25									
Phenanthrene	BRL	10									
Phenol	BRL	10									
Pyrene	BRL	10									
Surr: 2,4,6-Tribromophenol	93.57	0	100.0		93.6	50	142				
Surr: 2-Fluorobiphenyl	46.80	0	50.00		93.6	46	124				
Surr: 2-Fluorophenol	56.66	0	100.0		56.7	25.3	120				
Surr: 4-Terphenyl-d14	58.28	0	50.00		117	45.1	133				
Surr: Nitrobenzene-d5	48.40	0	50.00		96.8	40.1	121				
Surr: Phenol-d5	34.19	0	100.0		34.2	16.3	120				

Sample ID: **LCS-242903** Client ID: Units: **ug/L** Prep Date: **05/22/2017** Run No: **343670**
SampleType: **LCS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **242903** Analysis Date: **05/22/2017** Seq No: **7535898**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4-Dinitrotoluene	91.92	10	100.0		91.9	70	129				
2-Chlorophenol	89.39	10	100.0		89.4	53.1	120				
4-Chloro-3-methylphenol	97.15	10	100.0		97.2	65.6	126				
4-Nitrophenol	37.16	25	100.0		37.2	20	120				
Acenaphthene	101.4	10	100.0		101	64.1	121				
N-Nitrosodi-n-propylamine	98.98	10	100.0		99.0	65.7	129				

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 31-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705G68

ANALYTICAL QC SUMMARY REPORT

BatchID: 242903

Sample ID: **LCS-242903** Client ID:
SampleType: **LCS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D**
Units: **ug/L** BatchID: **242903**
Prep Date: **05/22/2017** Analysis Date: **05/22/2017**
Run No: **343670** Seq No: **7535898**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pentachlorophenol	70.19	25	100.0		70.2	50.2	131				
Phenol	41.17	10	100.0		41.2	25	120				
Pyrene	123.8	10	100.0		124	70.5	134				
Surr: 2,4,6-Tribromophenol	96.81	0	100.0		96.8	50	142				
Surr: 2-Fluorobiphenyl	46.00	0	50.00		92.0	46	124				
Surr: 2-Fluorophenol	60.57	0	100.0		60.6	25.3	120				
Surr: 4-Terphenyl-d14	61.57	0	50.00		123	45.1	133				
Surr: Nitrobenzene-d5	47.43	0	50.00		94.9	40.1	121				
Surr: Phenol-d5	42.76	0	100.0		42.8	16.3	120				

Sample ID: **1705F65-016DMS** Client ID:
SampleType: **MS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D**
Units: **ug/L** BatchID: **242903**
Prep Date: **05/22/2017** Analysis Date: **05/22/2017**
Run No: **343670** Seq No: **7536632**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4-Dinitrotoluene	86.36	10	100.0		86.4	50.3	123				
2-Chlorophenol	76.54	10	100.0		76.5	50.8	120				
4-Chloro-3-methylphenol	89.63	10	100.0		89.6	47.1	124				
4-Nitrophenol	45.88	25	100.0		45.9	21.8	120				
Acenaphthene	91.27	10	100.0		91.3	44.7	119				
N-Nitrosodi-n-propylamine	85.03	10	100.0		85.0	51.2	120				
Pentachlorophenol	66.90	25	100.0		66.9	40	120				
Phenol	45.55	10	100.0		45.6	31.5	120				
Pyrene	110.7	10	100.0		111	51	129				
Surr: 2,4,6-Tribromophenol	89.04	0	100.0		89.0	50	142				
Surr: 2-Fluorobiphenyl	42.12	0	50.00		84.2	46	124				
Surr: 2-Fluorophenol	57.12	0	100.0		57.1	25.3	120				
Surr: 4-Terphenyl-d14	53.58	0	50.00		107	45.1	133				
Surr: Nitrobenzene-d5	40.23	0	50.00		80.5	40.1	121				

Qualifiers:
> Greater than Result value
< Less than Result value
B Analyte detected in the associated method blank
BRL Below reporting limit
E Estimated (value above quantitation range)
H Holding times for preparation or analysis exceeded
J Estimated value detected below Reporting Limit
N Analyte not NELAC certified
R RPD outside limits due to matrix
Rpt Lim Reporting Limit
S Spike Recovery outside limits due to matrix

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705G68

ANALYTICAL QC SUMMARY REPORT

BatchID: 242903

Sample ID: **1705F65-016DMS** Client ID: Units: **ug/L** Prep Date: **05/22/2017** Run No: **343670**
SampleType: **MS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **242903** Analysis Date: **05/22/2017** Seq No: **7536632**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Phenol-d5	48.01	0	100.0		48.0	16.3	120				

Sample ID: **1705F65-016DMSD** Client ID: Units: **ug/L** Prep Date: **05/22/2017** Run No: **343670**
SampleType: **MSD** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **242903** Analysis Date: **05/22/2017** Seq No: **7536633**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4-Dinitrotoluene	88.67	10	100.0		88.7	50.3	123	86.36	2.64	21.7	
2-Chlorophenol	77.81	10	100.0		77.8	50.8	120	76.54	1.65	24.8	
4-Chloro-3-methylphenol	88.98	10	100.0		89.0	47.1	124	89.63	0.728	20.7	
4-Nitrophenol	47.69	25	100.0		47.7	21.8	120	45.88	3.87	38.3	
Acenaphthene	95.81	10	100.0		95.8	44.7	119	91.27	4.85	20.5	
N-Nitrosodi-n-propylamine	89.52	10	100.0		89.5	51.2	120	85.03	5.14	23.2	
Pentachlorophenol	69.99	25	100.0		70.0	40	120	66.90	4.51	30.7	
Phenol	44.25	10	100.0		44.2	31.5	120	45.55	2.90	28.5	
Pyrene	111.6	10	100.0		112	51	129	110.7	0.801	24.8	
Surr: 2,4,6-Tribromophenol	95.73	0	100.0		95.7	50	142	89.04	0	0	
Surr: 2-Fluorobiphenyl	44.79	0	50.00		89.6	46	124	42.12	0	0	
Surr: 2-Fluorophenol	58.50	0	100.0		58.5	25.3	120	57.12	0	0	
Surr: 4-Terphenyl-d14	54.43	0	50.00		109	45.1	133	53.58	0	0	
Surr: Nitrobenzene-d5	41.02	0	50.00		82.0	40.1	121	40.23	0	0	
Surr: Phenol-d5	46.73	0	100.0		46.7	16.3	120	48.01	0	0	

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 31-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705G68

ANALYTICAL QC SUMMARY REPORT

BatchID: 242981

Sample ID: **MB-242981** Client ID:
SampleType: **MBLK** TestCode: **METALS, TOTAL SW6010D** Units: **mg/L** BatchID: **242981** Prep Date: **05/22/2017** Analysis Date: **05/23/2017** Run No: **343733** Seq No: **7537584**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	0.0500									
Barium	BRL	0.0200									
Cadmium	BRL	0.0050									
Chromium	BRL	0.0100									
Lead	BRL	0.0100									
Selenium	BRL	0.0200									
Silver	BRL	0.0100									

Sample ID: **LCS-242981** Client ID:
SampleType: **LCS** TestCode: **METALS, TOTAL SW6010D** Units: **mg/L** BatchID: **242981** Prep Date: **05/22/2017** Analysis Date: **05/23/2017** Run No: **343733** Seq No: **7537585**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	0.9647	0.0500	1.000		96.5	80	120				
Barium	0.9757	0.0200	1.000		97.6	80	120				
Cadmium	0.9793	0.0050	1.000		97.9	80	120				
Chromium	0.9714	0.0100	1.000		97.1	80	120				
Lead	0.9781	0.0100	1.000		97.8	80	120				
Selenium	0.9708	0.0200	1.000		97.1	80	120				
Silver	0.09662	0.0100	0.1000		96.6	80	120				

Sample ID: **1705K72-001AMS** Client ID:
SampleType: **MS** TestCode: **METALS, TOTAL SW6010D** Units: **mg/L** BatchID: **242981** Prep Date: **05/22/2017** Analysis Date: **05/23/2017** Run No: **343733** Seq No: **7537587**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	0.9654	0.0500	1.000		96.5	75	125				
Barium	0.9760	0.0200	1.000		97.6	75	125				
Cadmium	0.9771	0.0050	1.000		97.7	75	125				
Chromium	0.9721	0.0100	1.000		97.2	75	125				

Qualifiers:
> Greater than Result value
< Less than Result value
B Analyte detected in the associated method blank
BRL Below reporting limit
E Estimated (value above quantitation range)
H Holding times for preparation or analysis exceeded
J Estimated value detected below Reporting Limit
N Analyte not NELAC certified
R RPD outside limits due to matrix
Rpt Lim Reporting Limit
S Spike Recovery outside limits due to matrix

ANALYTICAL QC SUMMARY REPORT

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705G68

BatchID: 242981

Sample ID: **1705K72-001AMS** Client ID:
SampleType: **MS** TestCode: **METALS, TOTAL SW6010D**
Units: **mg/L** BatchID: **242981**
Prep Date: **05/22/2017** Analysis Date: **05/23/2017**
Run No: **343733** Seq No: **7537587**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	0.9772	0.0100	1.000		97.7	75	125				
Selenium	0.9635	0.0200	1.000		96.3	75	125				
Silver	0.09682	0.0100	0.1000		96.8	75	125				

Sample ID: **1705K72-001AMSD** Client ID:
SampleType: **MSD** TestCode: **METALS, TOTAL SW6010D**
Units: **mg/L** BatchID: **242981**
Prep Date: **05/22/2017** Analysis Date: **05/23/2017**
Run No: **343733** Seq No: **7537590**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	0.9503	0.0500	1.000		95.0	75	125	0.9654	1.58	20	
Barium	0.9631	0.0200	1.000		96.3	75	125	0.9760	1.34	20	
Cadmium	0.9658	0.0050	1.000		96.6	75	125	0.9771	1.17	20	
Chromium	0.9598	0.0100	1.000		96.0	75	125	0.9721	1.27	20	
Lead	0.9626	0.0100	1.000		96.3	75	125	0.9772	1.51	20	
Selenium	0.9561	0.0200	1.000		95.6	75	125	0.9635	0.772	20	
Silver	0.09528	0.0100	0.1000		95.3	75	125	0.09682	1.59	20	

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 31-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705G68

ANALYTICAL QC SUMMARY REPORT

BatchID: 243099

Sample ID: **MB-243099** Client ID:
SampleType: **MBLK** TestCode: **Mercury, Total SW7470A**
Units: **mg/L** Prep Date: **05/24/2017** Run No: **344005**
BatchID: **243099** Analysis Date: **05/24/2017** Seq No: **7544920**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	BRL	0.00020									

Sample ID: **LCS-243099** Client ID:
SampleType: **LCS** TestCode: **Mercury, Total SW7470A**
Units: **mg/L** Prep Date: **05/24/2017** Run No: **344005**
BatchID: **243099** Analysis Date: **05/24/2017** Seq No: **7544921**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005268	0.00020	0.0050		105	80	120				

Sample ID: **1705F99-001DMS** Client ID:
SampleType: **MS** TestCode: **Mercury, Total SW7470A**
Units: **mg/L** Prep Date: **05/24/2017** Run No: **344005**
BatchID: **243099** Analysis Date: **05/24/2017** Seq No: **7544923**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005276	0.00020	0.0050		106	70	130				

Sample ID: **1705F99-001DMSD** Client ID:
SampleType: **MSD** TestCode: **Mercury, Total SW7470A**
Units: **mg/L** Prep Date: **05/24/2017** Run No: **344005**
BatchID: **243099** Analysis Date: **05/24/2017** Seq No: **7544924**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005271	0.00020	0.0050		105	70	130	0.005276	0.082	20	

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Analytical Environmental Services, Inc **Date:** 31-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705G68

ANALYTICAL QC SUMMARY REPORT

BatchID: 243101

Sample ID: **MB-243101** Client ID: Units: **mg/Kg** Prep Date: **05/26/2017** Run No: **344149**
SampleType: **MBLK** TestCode: **TOTAL MERCURY SW7471B** BatchID: **243101** Analysis Date: **05/26/2017** Seq No: **7548822**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	BRL	0.100									

Sample ID: **LCS-243101** Client ID: Units: **mg/Kg** Prep Date: **05/26/2017** Run No: **344149**
SampleType: **LCS** TestCode: **TOTAL MERCURY SW7471B** BatchID: **243101** Analysis Date: **05/26/2017** Seq No: **7548823**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.3913	0.100	0.4000		97.8	80	120				

Sample ID: **1705I194-007CMS** Client ID: Units: **mg/Kg-dry** Prep Date: **05/26/2017** Run No: **344149**
SampleType: **MS** TestCode: **TOTAL MERCURY SW7471B** BatchID: **243101** Analysis Date: **05/26/2017** Seq No: **7548825**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.4403	0.0972	0.3888	0.05849	98.2	70	130				

Sample ID: **1705I194-007CMSD** Client ID: Units: **mg/Kg-dry** Prep Date: **05/26/2017** Run No: **344149**
SampleType: **MSD** TestCode: **TOTAL MERCURY SW7471B** BatchID: **243101** Analysis Date: **05/26/2017** Seq No: **7548826**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.4268	0.0972	0.3888	0.05849	94.7	70	130	0.4403	3.13	30	

Qualifiers:
- > Greater than Result value
- BRL Below reporting limit
- J Estimated value detected below Reporting Limit
- Rpt Lim Reporting Limit
- < Less than Result value
- E Estimated (value above quantitation range)
- N Analyte not NELAC certified
- S Spike Recovery outside limits due to matrix
- B Analyte detected in the associated method blank
- H Holding times for preparation or analysis exceeded
- R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 31-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705G68

ANALYTICAL QC SUMMARY REPORT

BatchID: 243125

Sample ID: **MB-243125** Client ID: Units: **mg/Kg** Prep Date: **05/24/2017** Run No: **344194**
SampleType: **MBLK** TestCode: **METALS, TOTAL SW6010D** BatchID: **243125** Analysis Date: **05/29/2017** Seq No: **7551003**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	5.00									
Barium	BRL	5.00									
Cadmium	BRL	2.50									
Chromium	BRL	2.50									
Lead	BRL	5.00									
Selenium	BRL	5.00									
Silver	BRL	2.50									

Sample ID: **LCS-243125** Client ID: Units: **mg/Kg** Prep Date: **05/24/2017** Run No: **344194**
SampleType: **LCS** TestCode: **METALS, TOTAL SW6010D** BatchID: **243125** Analysis Date: **05/29/2017** Seq No: **7551006**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	44.65	5.00	50.00		89.3	80	120				
Barium	47.92	5.00	50.00		95.8	80	120				
Cadmium	45.41	2.50	50.00		90.8	80	120				
Chromium	50.34	2.50	50.00		101	80	120				
Lead	45.78	5.00	50.00		91.6	80	120				
Selenium	40.85	5.00	50.00		81.7	80	120				
Silver	4.767	2.50	5.000		95.3	80	120				

Sample ID: **1705H94-016CMS** Client ID: Units: **mg/Kg-dry** Prep Date: **05/24/2017** Run No: **344194**
SampleType: **MS** TestCode: **METALS, TOTAL SW6010D** BatchID: **243125** Analysis Date: **05/29/2017** Seq No: **7551008**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	50.23	5.16	51.59	5.145	87.4	75	125				
Barium	142.2	5.16	51.59	90.49	100	75	125				
Cadmium	48.64	2.58	51.59	1.842	90.7	75	125				
Chromium	66.42	2.58	51.59	13.89	102	75	125				

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 31-May-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1705G68

ANALYTICAL QC SUMMARY REPORT

BatchID: 243125

Sample ID: **1705H94-016CMS** Client ID: Units: **mg/Kg-dry** Prep Date: **05/24/2017** Run No: **344194**
SampleType: **MS** TestCode: **METALS, TOTAL SW6010D** BatchID: **243125** Analysis Date: **05/29/2017** Seq No: **7551008**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	144.9	5.16	51.59	90.94	105	75	125				
Selenium	38.80	5.16	51.59		75.2	75	125				
Silver	4.810	2.58	5.159	0.02825	92.7	75	125				

Sample ID: **1705H94-016CMSD** Client ID: Units: **mg/Kg-dry** Prep Date: **05/24/2017** Run No: **344194**
SampleType: **MSD** TestCode: **METALS, TOTAL SW6010D** BatchID: **243125** Analysis Date: **05/29/2017** Seq No: **7551009**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	50.17	5.12	51.24	5.145	87.9	75	125	50.23	0.119	20	
Barium	160.7	5.12	51.24	90.49	137	75	125	142.2	12.3	20	S
Cadmium	47.99	2.56	51.24	1.842	90.1	75	125	48.64	1.34	20	
Chromium	64.12	2.56	51.24	13.89	98.0	75	125	66.42	3.53	20	
Lead	138.0	5.12	51.24	90.94	91.7	75	125	144.9	4.91	20	
Selenium	38.81	5.12	51.24		75.7	75	125	38.80	0.044	20	
Silver	4.765	2.56	5.124	0.02825	92.4	75	125	4.810	0.954	20	

Qualifiers:
> Greater than Result value
< Less than Result value
B Analyte detected in the associated method blank
BRL Below reporting limit
E Estimated (value above quantitation range)
H Holding times for preparation or analysis exceeded
J Estimated value detected below Reporting Limit
N Analyte not NELAC certified
R RPD outside limits due to matrix
Rpt Lim Reporting Limit
S Spike Recovery outside limits due to matrix

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

June 06, 2017

Michael Patinkin
Resolute Env. & Water Resources Consulting, LLC

1001 Weatherstone Pkwy
Woodstock GA 30188

RE: Phase II ESA Macon GA

Dear Michael Patinkin:

Order No: 1706247

Analytical Environmental Services, Inc. received 2 samples on 6/2/2017 12:00:00 AM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES's accreditations are as follows:
-NELAC/Florida State Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, and Drinking Water Microbiology, effective 07/01/16-06/30/17.
State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective 07/01/16-06/30/17 and Total Coliforms and E. coli, effective 04/25/17-04/24/20.
-NELAC/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/16-06/30/17.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 09/01/17.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Ioana Pacurar

Ioana Pacurar
Project Manager

3080 Presidential Drive • Atlanta, Georgia 30340 • Tel: 770.457.8177 • Fax: 770.457.8188 • Toll Free: 800.972.4889
www.aesatlanta.com

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: ~~1705668~~ 1706247 IP 6/6

Date: 05/17/17 Page 1 of 1

COMPANY: RESOLUTE ENVIRONMENTAL

ADDRESS: 1001 WEATHERSTONE PKWY SUITE 410 WOODSTOCK, GA 30188

PHONE: (678) 232-9499

FAX: —

SAMPLED BY: MICHAEL PATINKIN

SIGNATURE: [signature]

ANALYSIS REQUESTED

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	VOCs (S/M+I)	METALS (RCRA) (I)	SVOCs (I)	REMARKS	No # of Containers
1	WPR	05/17/17	1400		X	SO	4	1	1		6
2	EPR	05/17/17	1415	X		SO	4	1	1		6
3	IRS	05/17/17	1500	X		O	2	1	2	STANDING SUMP WATER	~~6~~ 5
4	SS	05/17/17	1530	X		O	2	1	2	STANDING SUMP WATER	~~6~~ 5
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											

PRESERVATION (See codes)

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: [signature]	05/18/17 0744	1: [signature]	5/18/2017 7:44AM
2:		2:	
3:		3:	

PROJECT INFORMATION

PROJECT NAME: ESA PHASE II MACON

PROJECT #:

SITE ADDRESS: 120 BROADWAY, MACON, GA

SEND REPORT TO: MICHAEL.PATINKIN@RESOLUTEENV.COM

INVOICE TO: (IF DIFFERENT FROM ABOVE) CINDY.MARDIS@RESOLUTEENV.COM

QUOTE #: PO#:

RECEIPT

Total # of Containers: 22

Turnaround Time Request
- ☑ Standard 5 Business Days
- ○ 2 Business Day Rush
- ○ Next Business Day Rush
- ○ Same Day Rush (auth req.)
- ○ Other

STATE PROGRAM (if any): —

E-mail? Y / N; Fax? Y N

DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT 05/18/17 VIA: CLIENT
IN / / VIA:
CLIENT FedEx UPS MAIL COURIER
GREYHOUND OTHER

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES.
SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Client: Resolute Env. & Water Resources Consulting, LLC
Project: Phase II ESA Macon GA
Lab ID: 1706247

Case Narrative

Further Analysis:

At the request of Michael Patinkin with Resolute Environmental via phone call on 6/2/17, samples WPR and EPR were further analyzed for TCLP RCRA8 Metals from AES work order 1705G68 as a two day rush due on 6/6/17.

Analytical Environmental Services, Inc **Date:** 6-Jun-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	WPR
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/17/2017 2:00:00 PM
Lab ID:	1706247-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
MERCURY, TCLP SW1311/7470A					**(SW7470A)**			
Mercury	BRL	0.00400		mg/L	243593	1	06/06/2017 15:21	AS
ICP METALS, TCLP SW1311/6010C					**(SW3010A)**			
Arsenic	BRL	0.250		mg/L	243583	1	06/05/2017 15:44	TA
Barium	BRL	0.500		mg/L	243583	1	06/05/2017 15:44	TA
Cadmium	BRL	0.0250		mg/L	243583	1	06/05/2017 15:44	TA
Chromium	BRL	0.0500		mg/L	243583	1	06/05/2017 15:44	TA
Lead	BRL	0.0500		mg/L	243583	1	06/05/2017 15:44	TA
Selenium	BRL	0.100		mg/L	243583	1	06/05/2017 19:42	TA
Silver	BRL	0.0250		mg/L	243583	1	06/05/2017 15:44	TA

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Jun-17

Client:	Resolute Env. & Water Resources Consulting, LLC	**Client Sample ID:**	EPR
Project Name:	Phase II ESA Macon GA	**Collection Date:**	5/17/2017 2:15:00 PM
Lab ID:	1706247-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
MERCURY, TCLP SW1311/7470A					**(SW7470A)**			
Mercury	BRL	0.00400		mg/L	243593	1	06/06/2017 15:24	AS
ICP METALS, TCLP SW1311/6010C					**(SW3010A)**			
Arsenic	BRL	0.250		mg/L	243583	1	06/05/2017 16:14	TA
Barium	BRL	0.500		mg/L	243583	1	06/05/2017 16:14	TA
Cadmium	BRL	0.0250		mg/L	243583	1	06/05/2017 16:14	TA
Chromium	BRL	0.0500		mg/L	243583	1	06/05/2017 16:14	TA
Lead	BRL	0.0500		mg/L	243583	1	06/05/2017 16:14	TA
Selenium	BRL	0.100		mg/L	243583	1	06/05/2017 16:14	TA
Silver	BRL	0.0250		mg/L	243583	1	06/05/2017 16:14	TA

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Clear Save as

ANALYTICAL ENVIRONMENTAL SERVICES, INC. AES

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: RESOLUTE ENV. & WATER RESOURCES CONSULTING, LLC

AES Work Order Number: ~~1705G68~~ 1706247 JP 6/6

2. Carrier: FedEx ☐ UPS ☐ USPS ☐ Client ☒ Courier ☐ Other _____

		Yes	No	N/A	Details	Comments
3.	Shipping container/cooler received in good condition?	⊙	○	○	damaged ☐ leaking ☐ other ☐	
4.	Custody seals present on shipping container?	○	⊙	○		
5.	Custody seals intact on shipping container?	○	○	⊙		
6.	Temperature blanks present?	⊙	○	○		
7.	Cooler temperature(s) within limits of 0-6°C? (See item 13 and 14 for temperature recordings.)	⊙	○	○	Cooling initiated for recently collected samples / ice present ☐	
8.	Chain of Custody (COC) present?	⊙	○	○		
9.	Chain of Custody signed, dated, and timed when relinquished and received?	⊙	○	○		
10.	Sampler name and/or signature on COC?	⊙	○	○		
11.	Were all samples received within holding time?	⊙	○	○		
12.	TAT marked on the COC?	⊙	○	○	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. ☐	

13. Cooler 1 Temperature 5.3 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

14. Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). MDP 5/18/17

		Yes	No	N/A	Details	Comments
16.	Were sample containers intact upon receipt?	⊙	○	○		
17.	Custody seals present on sample containers?	○	⊙	○		
18.	Custody seals intact on sample containers?	○	○	⊙		
19.	Do sample container labels match the COC?	⊙	○	○	incomplete info ☐ illegible ☐ no label ☐ other ☐	
20.	Are analyses requested indicated on the COC?	⊙	○	○		
21.	Were all of the samples listed on the COC received?	⊙	○	○	samples received but not listed on COC ☐ samples listed on COC not received ☐	
22.	Was the sample collection date/time noted?	⊙	○	○		
23.	Did we receive sufficient sample volume for indicated analyses?	⊙	○	○		
24.	Were samples received in appropriate containers?	⊙	○	○		
25.	Were VOA samples received without headspace (< 1/4" bubble)?	⊙	○	○		
26.	Were trip blanks submitted?	⊙	○	○	listed on COC ☐ not listed on COC ☒	

27. Comments: _____

I certify that I have completed sections 16-27 (dated initials). BB 5/18/17

		Yes	No	N/A	Details	Comments
28.	Have containers needing chemical preservation been checked?	⊙	○	○		
29.	Containers meet preservation guidelines?	⊙	○	○		
30.	Was pH adjusted?	○	⊙	○		

I certify that I have completed sections 28-30 (dated initials). BB 5/18/17

Analytical Environmental Services, Inc

Date: 6-Jun-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1706247

ANALYTICAL QC SUMMARY REPORT

BatchID: 243583

Sample ID: **MB-243583** Client ID:
SampleType: **MBLK** TestCode: **ICP METALS, TCLP SW1311/6010C**
Units: **mg/L** BatchID: **243583**
Prep Date: **06/05/2017** Analysis Date: **06/05/2017**
Run No: **344686** Seq No: **7563044**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	0.250									
Barium	BRL	0.500									
Cadmium	BRL	0.0250									
Chromium	BRL	0.0500									
Lead	BRL	0.0500									
Selenium	BRL	0.100									
Silver	BRL	0.0250									

Sample ID: **LCS-243583** Client ID:
SampleType: **LCS** TestCode: **ICP METALS, TCLP SW1311/6010C**
Units: **mg/L** BatchID: **243583**
Prep Date: **06/05/2017** Analysis Date: **06/05/2017**
Run No: **344686** Seq No: **7563045**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	4.992	0.250	5.000		99.8	80	120				
Barium	4.773	0.500	5.000		95.5	80	120				
Cadmium	4.960	0.0250	5.000		99.2	80	120				
Chromium	4.743	0.0500	5.000		94.9	80	120				
Lead	4.680	0.0500	5.000		93.6	80	120				
Selenium	5.093	0.100	5.000		102	80	120				
Silver	0.4931	0.0250	0.5000		98.6	80	120				

Sample ID: **1706247-001AMS** Client ID: **WPR**
SampleType: **MS** TestCode: **ICP METALS, TCLP SW1311/6010C**
Units: **mg/L** BatchID: **243583**
Prep Date: **06/05/2017** Analysis Date: **06/05/2017**
Run No: **344686** Seq No: **7563047**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	5.022	0.250	5.000		100	50	150				
Barium	4.959	0.500	5.000	0.3144	92.9	50	150				
Cadmium	4.943	0.0250	5.000	0.008850	98.7	50	150				
Chromium	4.694	0.0500	5.000	0.02055	93.5	50	150				

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1706247

ANALYTICAL QC SUMMARY REPORT

BatchID: 243583

Sample ID: **1706247-001AMS** Client ID: **WPR** Units: **mg/L** Prep Date: **06/05/2017** Run No: **344686**
SampleType: **MS** TestCode: **ICP METALS, TCLP SW1311/6010C** BatchID: **243583** Analysis Date: **06/05/2017** Seq No: **7563047**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	4.591	0.0500	5.000	0.01495	91.5	50	150				
Selenium	5.137	0.100	5.000	0.1114	101	50	150				
Silver	0.4882	0.0250	0.5000		97.6	50	150				

Sample ID: **1706247-001AMSD** Client ID: **WPR** Units: **mg/L** Prep Date: **06/05/2017** Run No: **344686**
SampleType: **MSD** TestCode: **ICP METALS, TCLP SW1311/6010C** BatchID: **243583** Analysis Date: **06/05/2017** Seq No: **7563048**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	4.882	0.250	5.000		97.6	50	150	5.022	2.84	30	
Barium	4.772	0.500	5.000	0.3144	89.1	50	150	4.959	3.85	30	
Cadmium	4.738	0.0250	5.000	0.008850	94.6	50	150	4.943	4.24	30	
Chromium	4.495	0.0500	5.000	0.02055	89.5	50	150	4.694	4.32	30	
Lead	4.387	0.0500	5.000	0.01495	87.4	50	150	4.591	4.54	30	
Selenium	4.970	0.100	5.000	0.1114	97.2	50	150	5.137	3.31	30	
Silver	0.4710	0.0250	0.5000		94.2	50	150	0.4882	3.57	30	

Qualifiers:
- > Greater than Result value
- BRL Below reporting limit
- J Estimated value detected below Reporting Limit
- Rpt Lim Reporting Limit
- < Less than Result value
- E Estimated (value above quantitation range)
- N Analyte not NELAC certified
- S Spike Recovery outside limits due to matrix
- B Analyte detected in the associated method blank
- H Holding times for preparation or analysis exceeded
- R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 6-Jun-17

Client: Resolute Env. & Water Resources Consulting, LLC
Project Name: Phase II ESA Macon GA
Workorder: 1706247

ANALYTICAL QC SUMMARY REPORT

BatchID: 243593

Sample ID: **MB-243593** Client ID:
SampleType: **MBLK** TestCode: **MERCURY, TCLP SW1311/7470A**
Units: **mg/L** BatchID: **243593**
Prep Date: **06/05/2017** Analysis Date: **06/05/2017**
Run No: **344687** Seq No: **7563153**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	BRL	0.00400									

Sample ID: **LCS-243593** Client ID:
SampleType: **LCS** TestCode: **MERCURY, TCLP SW1311/7470A**
Units: **mg/L** BatchID: **243593**
Prep Date: **06/05/2017** Analysis Date: **06/05/2017**
Run No: **344687** Seq No: **7563154**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.04072	0.00400	0.0400		102	80	120				

Sample ID: **1706237-001CMS** Client ID:
SampleType: **MS** TestCode: **MERCURY, TCLP SW1311/7470A**
Units: **mg/L** BatchID: **243593**
Prep Date: **06/05/2017** Analysis Date: **06/05/2017**
Run No: **344687** Seq No: **7563156**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.03975	0.00400	0.0400		99.4	80	120				

Sample ID: **1706237-001CMSD** Client ID:
SampleType: **MSD** TestCode: **MERCURY, TCLP SW1311/7470A**
Units: **mg/L** BatchID: **243593**
Prep Date: **06/05/2017** Analysis Date: **06/05/2017**
Run No: **344687** Seq No: **7563159**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.04030	0.00400	0.0400		101	80	120	0.03975	1.36	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

APPENDIX G

IDW MANIFEST

AquaTerra
Recycling & Treatment

710 Moore Street • P.O. Box 98
Oxford, Georgia 30054
Phone: (678) 625-4025 • Fax: (678) 625-4944

NON-HAZARDOUS WASTE MANIFEST

11913

Section I — GENERATOR (Generator completes all of Section 1)

a. Generator Name: 120 Macon MRP c/o Whitestar Advisors LLC
b. Address: 902 Clint Moore Rd #104 Boca Raton, FL 33487
c. Phone No.:
If owner generating facility differs from the generator, provide:
d. Owner's Name:
e. Description of Waste: Soil Cuttings: 17 Groundwater: 2

g. Generating Location: [illegible]
h. Address: 120 [illegible] 139 [illegible] Macon, GA
i. Phone No.:
j. Owner's Phone No.:

Quantity	Gallons	Type
19		DM

TYPE
DM - METAL DRUM
DP - PLASTIC DRUM
T - TRUCK

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

[illegible] Macon MRP c/o Whitestar Advisors, LLC
Generator Authorized Agent Name

Signature

Shipping Date: 08/01/17

Section II — TRANSPORTER (Generator completes a-d: Transporter I completes e-g: Transporter II completes h-n)

a. Name: Aqua-Terra
b. Address: 710 Moore Street Oxford, Georgia 30054
c. Drive Name/Title: Chris Clark
d. Phone No.: (678) 625-4025 e: Truck No.: TK 2
f. Vehicle License No/State: PJ 3307 / GA
Acknowledgment of Receipt of Materials.
g. Driver Signature — Shipping Date: 08/01/17

h. Name:
i. Address:
j. Drive Name/Title:
k. Phone No.: l: Truck No.:
m. Vehicle License No/State:
Acknowledgment of Receipt of Materials.
n. Driver Signature — Shipping Date

Section III — DESTINATION (Destination site completes e-f)

a. Site Name: Aqua-Terra
b. Physical Address: 710 Moore Street Oxford, Georgia 30054
c. Phone No.: (678) 625-4025
d. Mailing Address:. P.O. Box 98 Oxford, Georgia 30054
e. Discrepancy Indication Space:

I hereby certify that the above material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent — Signature — Shipping Date

WHITE - DESTINATION YELLOW - TRANSPORTERS

APPENDIX H

EPD NON-LISTING LETTER

GEORGIA
DEPARTMENT OF NATURAL RESOURCES

ENVIRONMENTAL PROTECTION DIVISION

Richard E. Dunn, Director

Land Protection Branch
2 Martin Luther King, Jr. Drive
Suite 1054, East Tower
Atlanta, Georgia 30334
404-657-8600

August 4, 2017

MEMORANDUM

TO: David Hayes, Unit Coordinator DH
FROM: Carolyn L. Daniels, P.G., Geologist
RE: Recommendation to Not List Site on Hazardous Site Inventory
Former Macon Telegraph Publishing Co. & Adjacent Parking Lots
120 (*a.k.a.* 112) and 139 Broadway, Macon, Bibb County, GA 31201
Tax Parcels R0730118C4 6A and R0730117C3 8A, respectively

Background: On June 26, 2017, the Response and Remediation Program (RRP) of the Georgia Environmental Protection Division (EPD) received a notification for a release of five volatile organic compounds (VOCs), consisting of benzene, ethylbenzene, styrene, tetrachloroethene (PCE), and trichloroethene (TCE), to groundwater at two tax parcels R0730118C4 6A (known as the "Main Building" Property) and R0730117C3 8A (known as the "Riverside Drive Parking Lot" Property) at street addresses of 120 and 139 Broadway, respectively, Macon, Georgia. Current Macon-Bibb County Tax Assessor Property Records indicate the street address for the R0730118C4 parcel is 112 Broadway; however, all other records reviewed by the site environmental consultant [(Resolute Environmental & Water Resources Consulting (Resolute)], including the United States Postal Service (USPS), indicate said parcel has a street address of 120 Broadway.

The subject Properties are located in the Central Business District of Macon, Georgia. The 140,000± ft^2 three-story former Macon Telegraph newspaper office, distribution, and printing building with basement is the main feature on the 120 Broadway Property. The building was used to produce newspapers until April 2009, and was used as office space until 2011 when it was vacated.

Resolute conducted a Phase I Environmental Site Assessment (ESA) in 2016 for a parcel assemblage known as the Former Macon Telegraph Publishing Company & Adjacent Parking Lots (Site) that included the: 1) 120 Broadway (Main Building) Property, 2) 139 Broadway (Riverside Drive Parking Lot) Property, 3) the 415 Walnut Street (Former Fueling Station) Property, and 4) the 179 Fifth Street (MLK, Jr Blvd Parking Lot) Property that were all associated with former Macon Telegraph Publishing Company operations. The first two referenced Properties are the focus of the subject release notification. The Recognized Environmental Conditions (RECs) identified by Resolute during the Phase I ESA included:

1. The operation of a former Underground Storage Tank (UST) system, Georgia UST Facility ID 4110030, at the Former Fueling Station Property upgradient of the Riverside Drive Parking Lot Property. Based on a review of online databases maintained by the UST Management Program (USTMP) of the Georgia EPD, a total of three gasoline (one 2,000-gallon and two 5,000-gallon) USTs were operated along with the associated delivery lines and dispensing equipment which were closed by removal in November 2004. Confirmed releases of regulated petroleum products to soil and groundwater were reported to the USTMP in the past and remedial actions consisting of a Soil Vapor Extraction (SVE) and air

sparge groundwater remediation system were conducted under the oversight of the USTMP. A No Further Action Required (NFAR) status was issued in 2002. Monitoring wells and the remediation system associated with the referenced releases have been decommissioned.

2. The operation of a former auto repair shop and a former auto sale facility on the Riverside Drive Parking Lot Property at 139 Broadway.
3. The presence of a single railroad track observed leading from the eastern edge of the Main Building on the 120 Broadway Property to the eastern edge of the parcel boundary and other artifacts from the main building's historical use as a publishing company that included: black staining & concrete rubble in the press room and adjacent ink room, standing sump water in the basement, and the presence of chemicals associated with newspaper production.
4. The operation of a former freight station at the 120 Broadway Property prior to its use as a publishing facility. Sanborn Fire Insurance Maps indicated the former presence of fuel storage tanks and a building labeled as "barrel storage". Review of online USTMP databases indicate a UST system consisting of four 4,000-gallon gasoline USTs formerly operated as Facility #9011009 at this street address.
5. Offsite RECs included: 1) an operating commercial dry cleaner facility, One Hour Valet Dry Cleaners, at 444 Walnut Street to the south/southwest of the Riverside Drive Parking Lot, 2) an adjacent operating Marathon gasoline retail facility east of the MLK Jr Boulevard Parking Lot Property, 3) a former Saf-T-Oil filling station to the south of the MLK Jr Blvd parking lot, and 4) the Macon Machine Shop to the south of the former Macon Telegraph main building.

Release Discovery: The release of regulated substances to groundwater was discovered during a May 2017 Phase II Environmental Site Assessment (ESA) conducted by Resolute on the 120 and 139 Broadway Properties (subject of the current Release Notification) and the MLK Jr. Boulevard Parking Lot Property at 179 Fifth Street. The Former Fueling Station Property at 415 Walnut Street was excluded from the Phase II ESA as an NFAR was issued to the petroleum fuel releases by the USTMP. Both the 2016 Phase I & 2017 Phase II ESAs were funded by the FY 2015 Macon-Bibb County EPA Brownfield Assessment Grant.

Soil Investigation: A total of 13 soil borings were advanced across the three parcels referenced above using Direct Push Technology (DPT) at the locations shown on Figure 1 of the notification. One soil sample per boring was selected for laboratory analysis of volatile organic compounds (VOCs) using EPA method 8260, the eight Resource Conservation and Recovery Act (RCRA) metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver) using EPA Methods 6010 and 7471, and total petroleum hydrocarbons (TPH), diesel range organics (DRO) using EPA Method 8015 based on field screening results from a photo-ionization detector and/or visible signs of contamination. Soil analytical results are summarized as follows:

1. **VOCs:** VOCs were not detected in any of the soil samples collected with the exception of one non-regulated substance, methyl acetate and one gasoline-associated substance, methyl tertiary butyl ether (MtBE), which is exempt from release reporting pursuant to the Rules. These two substances were detected in the soil sample collected from RMW-09 on the MLK, Jr. Blvd Parking Lot Property downgradient of an active petroleum fuel retail facility at concentrations of 0.042 and 0.44 mg/kg, respectively.

2. **Metals:** Barium, chromium, and lead were detected in soil on all three of the properties at concentrations less than the applicable NCs of 500 mg/kg (or background if higher), 1,200 mg/kg, and 400 mg/kg, respectively. Maximum detected concentrations for barium, chromium, and lead were 297 mg/kg (RMW-07 on the Main Building property), 28.4 mg/kg, and 23.2 mg/kg (RSB-01 on the Riverside Dr. Parking Lot property), respectively. Arsenic was detected in a single soil sample collected on the Main Building Property in RMW-07 at a concentration of 26.5 mg/kg, which is less than the applicable NC of 41 mg/kg.
3. **TPH:** TPH (DRO), which is normally associated with petroleum fuel releases and as such is exempt from release reporting pursuant to the Rules, was detected in a total of three soil samples at concentrations ranging from 12 mg/kg in boring RSB-04 on the Main Building Property to 19 mg/kg in borings RSB-01 and RSB-03 on the Riverside Dr. Parking Lot Property.

Groundwater Investigation: A total of eight groundwater samples were collected from permanent groundwater monitoring wells RMW-02 through RMW-09, which were installed across the three properties, and were submitted for laboratory analysis for VOCs using EPA Method 8260, RCRA metals using EPA Methods 6010 and 7471, and TPH (DRO) and TPH (Gasoline-Range Organics; GRO) using EPA Method 8015. An additional monitoring well (RMW-01) was installed on the Riverdale Dr. Parking Lot Property; however, groundwater recharge was insufficient for the collection of groundwater samples for analysis. Groundwater analytical results are as follows:

1. **Regulated Substances:** A total of six regulated VOCs not typically associated with the storage or use of petroleum-based products were detected as follows:
   a. Tetrachloroethene (PCE), which has a Maximum Contaminant Level for Safe Drinking Water (MCL) of 5.0 µg/L, was detected at concentration of 140 µg/L in monitoring well RMW-02 on the Riverside Dr. Parking Lot Property. This sampling location is located downgradient of an active dry cleaning facility at 444 Walnut Street.
   b. Trichloroethene (TCE), a daughter product of PCE, was detected at a concentration of 6.2 µg/L, which is slightly greater than the applicable MCL of 5 µg/L. This sampling location is also located hydraulically downgradient of the offsite dry cleaning facility referenced above.
   c. 1,2-Dibromo-3-chloropropane (DBCP), formerly used as an active ingredient in some nematicide and fumigants, was detected at a concentration of 7.5 µg/L, which is greater than its applicable MCL of 0.2 µg/L.
   d. 4-Methyl-2-pentanone (methyl isobutyl ketone or MIBK), which does not have an applicable MCL, was detected at a concentration of 26 µg/L.
   e. Acetone, which has an applicable MCL of 4,000 µg/L, was detected at a concentration of 52 µg/L.
   f. Styrene was detected at a concentration of 150 µg/L, which is greater than its applicable MCL of 100 µg/L.
2. **Petroleum-Associated Substances:** Ten petroleum-associated substances [benzene, cyclohexane, ethylbenzene, isopropylbenzene (cumene), MtBe, methylcyclohexane, toluene, xylenes, TPH (DRO), and TPH (GRO)] were detected in the groundwater sample collected

from monitoring well RMW-04, which is located hydraulically downgradient of the former fueling station associated with the former Macon Telegraph Publishing Company Facility referenced above, for which a NFAR status was issued by the USTMP. MtBE and TPH (GRO) were also detected in the groundwater sample collected from monitoring well RMW-09, which is located immediately downgradient of the former Saf-T Oil gasoline retail facility. Releases of petroleum-associated products regulated by the UST Management Rules are specifically exempt from release reporting pursuant to the Rules.

3. **Other Non-regulated VOCs:** Two additional VOCs not regulated by the Rules, 2-hexanone and methyl acetate, which do not have applicable MCLs, were detected at concentrations of 70 and 19 µg/L, respectively.
4. **Metals:** Barium, which has an applicable MCL of 2,000 µg/L, was the only metal detected in groundwater. Detected concentrations ranged from 50.6 µg/L to 913 µg/L across the three properties investigated.

Based on the above soil and groundwater analytical results, a release notification for groundwater was submitted to the Response and Remediation Program for the Main Building (120 Broadway) and the Riverside Dr. Parking Lot (139 Broadway) Properties.

In addition to soil and groundwater sampling and analysis, groundwater flow beneath the properties was also determined to be towards the Ocmulgee River approximately 315 ft to the north/northeast (see Figure 2 of Attachment B to the Release Notification) based on measured depths to groundwater from surveyed tops of well casings. Depth to groundwater ranged from 8.00 ft (RMW-09) to 30.20 ft. (RMW-01) below TOCs.

Local Water Usage: Public water is provided to the area of the subject Properties by the Macon Water Authority which obtains its water from intakes in the Javors Lucas Lake (Town Creek Reservoir) and the Ocmulgee River more than 3 miles upstream (north/northwest) from the Properties. The only confirmed drinking water supply well is a well maintained and owned by the Georgia Emergency Management Authority (GEMA), used for emergency events only, approximately 0.5 mile west/southwest (hydraulically upgradient) of the Properties. The EPD water well database indicates Tuft Spring (used as an industrial water supply spring) is located between two and three miles south/southwest. EPD personnel did not observe any additional potential drinking water wells during their visual reconnaissance. Groundwater beneath the Properties flows towards the Ocmulgee River to the north/northeast, which likely serves as a hydraulic barrier for the area.

On-Site Exposure Pathway

To be conservative, the onsite pathway was evaluated on the basis of a *suspected* release of DBCP with a containment value of 0 (covered by pavement or building at the groundwater capillary fringe at approximately 20 to 25 ft). Access to the Property was considered to be limited. The nearest resident was considered to be the homeless camp beneath the elevated railroad tracks within 300 ft of the Main Building Property at 120 Broadway. (Note: As the homeless person occasionally found on the Main Building Property is evicted by a security guard when found, an onsite residential population was not used to evaluate this pathway.). DBCP has a toxicity value of 16, and the quantity of the release is not known. No sensitive environment was observed on the Property. The resulting onsite pathway score is **18.5**.

Groundwater Pathway Score

The groundwater pathway was evaluated on the basis of a known release of DBCP. Said substance has an applicable MCL of 0.2 µg/L and a toxicity value of 16. The quantity of the release is not known. The nearest drinking water well, an emergency drinking water well, owned by the Georgia Emergency Management Agency, is located approximately 0.5 mile hydraulically upgradient of the Property and it is assumed that a hydraulic barrier (the Ocmulgee River) is located immediately downgradient of the Property. Therefore, the groundwater pathway was evaluated based on no downgradient drinking water wells within 3 miles of the subject Properties. The resulting groundwater pathway score is **8.1**.

Recommendation(s)

- As neither the on-site or groundwater pathway scores exceed their threshold values of **20** and **10**, respectively, the Property is *not* recommended for listing on the Hazardous Site Inventory (HSI).
- The current Property owner should remove the investigation-derived wastes stored in drums.

FILE: Non-HSI, Former Macon Telegraph Publishing Co., & Adjacent Parking Lots, Macon, Bibb Co.

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APPENDIX I

QUALIFICATIONS OF CONCLUSIONS

This report has been prepared in general accordance with 40 CFR Part 312 and ASTM Standard Practices E1527-13 for Environmental Site Assessments. Furthermore, I have the specific qualifications based on training, experience and registration to assist in the assessment of a property of the nature, history and setting of the subject property.

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in 40 CFR Part 312.10. I have the specific qualifications based on education, training and experience to assess a property of the nature, history and setting of the subject property. I further certify that, in my professional judgment, this report meets the requirements of 40 CFR Part 312, Standards and Practices for All Appropriate Inquiries, and was prepared by me or under my direct responsible charge.

For Resolute Environmental & Water Resources Consulting:

Keith J. Ziobron
Principal Engineer
Date: August 29, 2017