

FORM 3A-OR
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name : Alliance Technical Group, LLC Contract : 68HERH20D0011
 Lab Code : ACE Case No. : ARC Sayre MA No .: 30184323.00 SDG No. : Q3084
 Analytical Method : Trace VOA Level : _____
 Matrix Water
 EPA Sample No.(Matrix Spike/Matrix Spike Duplicate): PMW-2(20250911)
 Instrument ID : MSVOA_V GC Column DB-624UI ID : 0.18 (mm)
 Concentration Units (ug/L,mg/L ug/kg): ug/L

ANALYTE	SPIKE ADDED	SAMPLE CONCENTRATION	MS CONCENTRATION	MS %R #	QC Limits %R
Vinyl chloride	500	25	530	101	0 - 0
1,1-Dichloroethene	500	230	750	104	61 - 145
Methylene chloride	500	0	530	106	0 - 0
1,1-Dichloroethane	500	1700	2400	140	0 - 0
cis-1,2-Dichloroethene	500	300	850	110	0 - 0
Chloroform	500	0	560	112	0 - 0
1,1,1-Trichloroethane	500	0	550	110	0 - 0
Benzene	500	0	560	112	76 - 127
1,2-Dichloroethane	500	0	630	126	0 - 0
Trichloroethene	500	510	1100	118	71 - 120
Toluene	500	0	580	116	76 - 125
Tetrachloroethene	500	0	520	104	0 - 0
Chlorobenzene	500	0	560	112	75 - 130
o-Xylene	500	0	550	110	0 - 0
m,p-Xylene	500	0	560	112	0 - 0
1,1,2,2-Tetrachloroethane	500	0	570	114	0 - 0
1,4-Dichlorobenzene	500	0	570	114	0 - 0
1,2,4-Trichlorobenzene	500	0	460	92	0 - 0

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ANALYTE	SPIKE ADDED	SAMPLE CONCENTRATION	MS CONCENTRATION	MS %R #	QC Limits %R	
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ANALYTE	SPIKE AADDDED	MSD CONCENTRATION	MSD %R #	RPD	QC Limits	
					RPD	%R
Vinyl chloride	500	570	109	8	0	0 - 0
1,1-Dichloroethene	500	790	112	5	14	61 - 145
Methylene chloride	500	540	108	3	0	0 - 0
1,1-Dichloroethane	500	2500	160	7	0	0 - 0
cis-1,2-Dichloroethene	500	940	128	10	0	0 - 0
Chloroform	500	600	120	7	0	0 - 0
1,1,1-Trichloroethane	500	590	118	8	0	0 - 0
Benzene	500	610	122	8	11	76 - 127
1,2-Dichloroethane	500	680	136	8	0	0 - 0
Trichloroethene	500	1100	118	4	14	71 - 120
Toluene	500	610	122	5	13	76 - 125
Tetrachloroethene	500	540	108	3	0	0 - 0
Chlorobenzene	500	560	112	0	13	75 - 130
o-Xylene	500	560	112	1	0	0 - 0
m,p-Xylene	500	560	112	0	0	0 - 0
1,1,2,2-Tetrachloroethane	500	590	118	4	0	0 - 0
1,4-Dichlorobenzene	500	560	112	1	0	0 - 0
1,2,4-Trichlorobenzene	500	520	104	11	0	0 - 0