

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071921\
 Data File : VW019501.D
 Acq On : 19 Jul 2021 11:19
 Operator : SY/VA
 Sample : VSTDIC100
 Misc : 5.00g/5.0mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 7/20/2021 5:40:24 PM

Quant Time: Jul 20 04:21:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W071921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 20 04:18:17 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.952	168	298754	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	475631	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	438530	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	201936	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.311	65	273621	82.492	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 164.980%#	
35) Dibromofluoromethane	7.885	113	255401	87.890	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 175.780%#	
50) Toluene-d8	10.323	98	972446	86.432	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 172.860%#	
62) 4-Bromofluorobenzene	12.622	95	374502	88.738	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 177.480%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.014	85	214148	100.538	ug/l	99
3) Chloromethane	2.221	50	257831	99.869	ug/l	97
4) Vinyl Chloride	2.367	62	340161	96.664	ug/l	98
5) Bromomethane	2.782	94	188115	92.630	ug/l	96
6) Chloroethane	2.922	64	200036	100.268	ug/l	96
7) Trichlorofluoromethane	3.263	101	243728	108.659	ug/l	97
8) Diethyl Ether	3.684	74	176924	100.886	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.068	101	306894	97.264	ug/l	99
10) Methyl Iodide	4.275	142	421383	102.565	ug/l	99
11) Tert butyl alcohol	5.202	59	98295	421.223	ug/l	100
12) 1,1-Dichloroethene	4.050	96	328945	100.173	ug/l	98
13) Acrolein	3.904	56	88378	444.987	ug/l	98
14) Allyl chloride	4.672	41	481816	102.158	ug/l	100
15) Acrylonitrile	5.373	53	371714	496.656	ug/l	100
16) Acetone	4.135	43	254483	468.364	ug/l	99
17) Carbon Disulfide	4.391	76	927491	98.740	ug/l	98
18) Methyl Acetate	4.672	43	166582	92.322	ug/l	99
19) Methyl tert-butyl Ether	5.428	73	466433	100.999	ug/l	97
20) Methylene Chloride	4.922	84	347376	85.706	ug/l	98
21) trans-1,2-Dichloroethene	5.422	96	357460	99.997	ug/l	98
22) Diisopropyl ether	6.312	45	997059	98.797	ug/l	98
23) Vinyl Acetate	6.257	43	3147889	519.549	ug/l	100
24) 1,1-Dichloroethane	6.220	63	663685	98.470	ug/l	100
25) 2-Butanone	7.177	43	454278	486.035	ug/l	95
26) 2,2-Dichloropropane	7.165	77	342414	95.426	ug/l	97
27) cis-1,2-Dichloroethene	7.171	96	398089	99.828	ug/l	99
28) Bromochloromethane	7.519	49	248787	92.443	ug/l	99
29) Tetrahydrofuran	7.537	42	301358	485.347	ug/l	98
30) Chloroform	7.677	83	648518	98.463	ug/l	100
31) Cyclohexane	7.958	56	576824	91.885	ug/l	98
32) 1,1,1-Trichloroethane	7.872	97	479528	98.034	ug/l	99
36) 1,1-Dichloropropene	8.086	75	519641	102.482	ug/l	99
37) Ethyl Acetate	7.257	43	215101	101.221	ug/l	100
38) Carbon Tetrachloride	8.074	117	456122	102.971	ug/l	98
39) Methylcyclohexane	9.336	83	628395	104.266	ug/l	96
40) Benzene	8.324	78	1450794	102.230	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.482	41	129447	107.290	ug/l	95
42) 1,2-Dichloroethane	8.403	62	412422	100.730	ug/l	99
43) Isopropyl Acetate	8.427	43	417384	105.066	ug/l	100
44) Trichloroethene	9.098	130	369602	103.348	ug/l	99
45) 1,2-Dichloropropane	9.372	63	364869	101.804	ug/l	100
46) Dibromomethane	9.464	93	185322	101.936	ug/l	100
47) Bromodichloromethane	9.646	83	478078	104.693	ug/l	97
48) Methyl methacrylate	9.439	41	206393	113.392	ug/l	95
49) 1,4-Dioxane	9.470	88	53609	1993.151	ug/l #	97
51) 4-Methyl-2-Pentanone	10.213	43	1059339	516.981	ug/l	99
52) Toluene	10.390	92	911343	103.455	ug/l	96
53) t-1,3-Dichloropropene	10.610	75	496702	106.634	ug/l	100
54) cis-1,3-Dichloropropene	10.073	75	586062	105.739	ug/l	99
55) 1,1,2-Trichloroethane	10.787	97	261517	102.134	ug/l	99
56) Ethyl methacrylate	10.646	69	371804	110.899	ug/l	99
57) 1,3-Dichloropropane	10.933	76	474753	102.514	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.927	63	801626	516.649	ug/l	100
59) 2-Hexanone	10.969	43	707789	520.625	ug/l	99
60) Dibromochloromethane	11.128	129	301427	107.146	ug/l	97
61) 1,2-Dibromoethane	11.238	107	249658	103.285	ug/l	98
64) Tetrachloroethene	10.866	164	299602	101.723	ug/l	97
65) Chlorobenzene	11.658	112	942471	101.036	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.731	131	327532	102.080	ug/l	99
67) Ethyl Benzene	11.731	91	1770853	103.704	ug/l	98
68) m/p-Xylenes	11.841	106	1331465	203.972	ug/l	100
69) o-Xylene	12.164	106	634835	104.025	ug/l	97
70) Styrene	12.183	104	1079739	104.735	ug/l	100
71) Bromoform	12.347	173	168212	105.153	ug/l #	93
73) Isopropylbenzene	12.463	105	1639739	106.873	ug/l	98
74) N-amyl acetate	12.274	43	385665	109.863	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.713	83	300578	104.171	ug/l	99
76) 1,2,3-Trichloropropane	12.768	75	207400m	103.919	ug/l	
77) Bromobenzene	12.750	156	369210	106.752	ug/l	98
78) n-propylbenzene	12.804	91	2019972	105.304	ug/l	100
79) 2-Chlorotoluene	12.896	91	1191856	105.677	ug/l	97
80) 1,3,5-Trimethylbenzene	12.945	105	1374830	105.081	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.512	75	101028	115.364	ug/l	97
82) 4-Chlorotoluene	12.987	91	1210007	103.752	ug/l	97
83) tert-Butylbenzene	13.207	119	1199781	108.090	ug/l	99
84) 1,2,4-Trimethylbenzene	13.249	105	1369246	104.578	ug/l	99
85) sec-Butylbenzene	13.384	105	1789676	104.898	ug/l	100
86) p-Isopropyltoluene	13.499	119	1471664	104.678	ug/l	100
87) 1,3-Dichlorobenzene	13.499	146	729303	103.023	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	694193	99.073	ug/l	99
89) n-Butylbenzene	13.823	91	1442011	104.774	ug/l	100
90) Hexachloroethane	14.091	117	264990	106.914	ug/l	98
91) 1,2-Dichlorobenzene	13.871	146	642125	103.136	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.481	75	49532	103.534	ug/l	95
93) 1,2,4-Trichlorobenzene	15.133	180	442302	105.242	ug/l	98
94) Hexachlorobutadiene	15.237	225	247862	104.248	ug/l	100
95) Naphthalene	15.365	128	837352	108.784	ug/l	100
96) 1,2,3-Trichlorobenzene	15.554	180	381167	103.754	ug/l	97

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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