

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071921\
 Data File : VW019502.D
 Acq On : 19 Jul 2021 11:43
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00g/5.0mL/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 7/20/2021 5:40:25 PM

Quant Time: Jul 20 04:21:51 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	288023	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.848	114	475977	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	422574	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	196053	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.311	65	392170	122.637	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 245.280%#			
35) Dibromofluoromethane	7.891	113	375384	129.086	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 258.180%#			
50) Toluene-d8	10.323	98	1416864	125.840	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 251.680%#			
62) 4-Bromofluorobenzene	12.621	95	549852	130.192	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 260.380%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.014	85	301132	146.642	ug/l	98
3) Chloromethane	2.221	50	377217	151.555	ug/l	96
4) Vinyl Chloride	2.367	62	476932	140.580	ug/l	99
5) Bromomethane	2.782	94	256871	131.199	ug/l	95
6) Chloroethane	2.922	64	270715	140.751	ug/l	100
7) Trichlorofluoromethane	3.263	101	357469	165.304	ug/l	97
8) Diethyl Ether	3.684	74	245965	145.480	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.068	101	437104	143.693	ug/l	99
10) Methyl Iodide	4.281	142	600411	151.585	ug/l	98
11) Tert butyl alcohol	5.208	59	140358	623.885	ug/l	100
12) 1,1-Dichloroethene	4.044	96	465944	147.179	ug/l	99
13) Acrolein	3.903	56	123335	644.133	ug/l	100
14) Allyl chloride	4.672	41	679622	149.467	ug/l	99
15) Acrylonitrile	5.373	53	507465	703.298	ug/l	100
16) Acetone	4.141	43	350126	668.399	ug/l	97
17) Carbon Disulfide	4.391	76	1324176	146.222	ug/l	99
18) Methyl Acetate	4.678	43	226836	130.399	ug/l	99
19) Methyl tert-butyl Ether	5.428	73	629191	141.318	ug/l	99
20) Methylene Chloride	4.922	84	476883	122.042	ug/l	97
21) trans-1,2-Dichloroethene	5.428	96	491720	142.680	ug/l	96
22) Diisopropyl ether	6.318	45	1354446	139.210	ug/l	98
23) Vinyl Acetate	6.257	43	4249375	727.476	ug/l	100
24) 1,1-Dichloroethane	6.220	63	914813	140.786	ug/l	99
25) 2-Butanone	7.177	43	613563	680.912	ug/l	97
26) 2,2-Dichloropropane	7.171	77	461464	133.394	ug/l	97
27) cis-1,2-Dichloroethene	7.177	96	552232	143.641	ug/l	99
28) Bromochloromethane	7.519	49	349798	134.818	ug/l	99
29) Tetrahydrofuran	7.537	42	407332	680.463	ug/l	98
30) Chloroform	7.677	83	887667	139.793	ug/l	96
31) Cyclohexane	7.958	56	814771	134.625	ug/l	97
32) 1,1,1-Trichloroethane	7.878	97	669848	142.045	ug/l	98
36) 1,1-Dichloropropene	8.086	75	719119	141.719	ug/l	99
37) Ethyl Acetate	7.257	43	288582	135.701	ug/l	99
38) Carbon Tetrachloride	8.073	117	632794	142.751	ug/l	96
39) Methylcyclohexane	9.335	83	910515	150.967	ug/l	98
40) Benzene	8.329	78	1991037	140.197	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.488	41	189380	156.851	ug/l	98
42) 1,2-Dichloroethane	8.403	62	557774	136.132	ug/l	98
43) Isopropyl Acetate	8.427	43	565923	142.353	ug/l	99
44) Trichloroethene	9.098	130	509108	142.253	ug/l	98
45) 1,2-Dichloropropane	9.372	63	503420	140.360	ug/l	99
46) Dibromomethane	9.457	93	253266	139.207	ug/l	97
47) Bromodichloromethane	9.646	83	659409	144.297	ug/l	99
48) Methyl methacrylate	9.439	41	281400	154.489	ug/l	95
49) 1,4-Dioxane	9.470	88	76385	2837.885	ug/l #	97
51) 4-Methyl-2-Pentanone	10.213	43	1422269	693.594	ug/l	99
52) Toluene	10.390	92	1256499	142.533	ug/l	97
53) t-1,3-Dichloropropene	10.610	75	694316	148.950	ug/l	99
54) cis-1,3-Dichloropropene	10.073	75	815234	146.980	ug/l	99
55) 1,1,2-Trichloroethane	10.786	97	357773	139.625	ug/l	99
56) Ethyl methacrylate	10.646	69	508860	151.668	ug/l	99
57) 1,3-Dichloropropane	10.933	76	646751	139.552	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.927	63	1104050	711.045	ug/l	99
59) 2-Hexanone	10.969	43	956710	703.212	ug/l	100
60) Dibromochloromethane	11.134	129	414750	147.321	ug/l	97
61) 1,2-Dibromoethane	11.237	107	344401	142.377	ug/l	99
64) Tetrachloroethene	10.866	164	415051	146.242	ug/l	99
65) Chlorobenzene	11.658	112	1303902	145.060	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.731	131	449616	145.420	ug/l	98
67) Ethyl Benzene	11.731	91	2425070	147.379	ug/l	99
68) m/p-Xylenes	11.841	106	1854117	294.764	ug/l	99
69) o-Xylene	12.164	106	873401	148.520	ug/l	97
70) Styrene	12.182	104	1482021	149.184	ug/l	99
71) Bromoform	12.347	173	234805	152.324	ug/l #	93
73) Isopropylbenzene	12.463	105	2351237	157.844	ug/l	99
74) N-amyl acetate	12.274	43	525204	154.102	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.713	83	401363	143.274	ug/l	99
76) 1,2,3-Trichloropropane	12.768	75	277128m	143.024	ug/l	
77) Bromobenzene	12.749	156	506865	150.950	ug/l	99
78) n-propylbenzene	12.804	91	2840381	152.517	ug/l	100
79) 2-Chlorotoluene	12.896	91	1660018	151.604	ug/l	98
80) 1,3,5-Trimethylbenzene	12.945	105	1962924	154.533	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.512	75	136853	160.962	ug/l	96
82) 4-Chlorotoluene	12.987	91	1698672	150.023	ug/l	98
83) tert-Butylbenzene	13.207	119	1643144	152.476	ug/l	99
84) 1,2,4-Trimethylbenzene	13.249	105	1921866	151.190	ug/l	98
85) sec-Butylbenzene	13.383	105	2489221	150.279	ug/l	98
86) p-Isopropyltoluene	13.499	119	2101748	153.981	ug/l	99
87) 1,3-Dichlorobenzene	13.499	146	999016	145.359	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	973455	143.097	ug/l	99
89) n-Butylbenzene	13.822	91	2051442	153.526	ug/l	100
90) Hexachloroethane	14.091	117	387132	160.881	ug/l	99
91) 1,2-Dichlorobenzene	13.871	146	888578	147.004	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.481	75	68966	148.482	ug/l	98
93) 1,2,4-Trichlorobenzene	15.133	180	625468	153.290	ug/l	98
94) Hexachlorobutadiene	15.237	225	345874	149.836	ug/l	99
95) Naphthalene	15.365	128	1162019	155.493	ug/l	99
96) 1,2,3-Trichlorobenzene	15.554	180	532004	149.158	ug/l	96

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

