

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071921\
 Data File : VW019497.D
 Acq On : 19 Jul 2021 09:43
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00g/5.0mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/20/2021 5:40:18 PM

Quant Time: Jul 20 04:25:32 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	283510	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.848	114	484254	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	439039	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.554	152	220983	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.311	65	19720	6.265	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	12.520%#
35) Dibromofluoromethane	7.891	113	17241	5.827	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	11.660%#
50) Toluene-d8	10.323	98	66694	5.822	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	11.640%#
62) 4-Bromofluorobenzene	12.615	95	24641	5.735	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	11.460%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.014	85	10887	5.386	ug/l	96
3) Chloromethane	2.215	50	14067	5.742	ug/l	98
4) Vinyl Chloride	2.367	62	18448	5.524	ug/l	95
5) Bromomethane	2.782	94	11490	5.962	ug/l	95
6) Chloroethane	2.928	64	10177	5.376	ug/l	100
7) Trichlorofluoromethane	3.263	101	9978	4.688	ug/l	98
8) Diethyl Ether	3.690	74	8636	5.189	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.074	101	15299	5.109	ug/l	99
10) Methyl Iodide	4.282	142	19097	4.898	ug/l	100
11) Tert butyl alcohol	5.226	59	6852m	30.942	ug/l	
12) 1,1-Dichloroethene	4.056	96	15517	4.979	ug/l	97
13) Acrolein	3.904	56	5299	28.115	ug/l	97
14) Allyl chloride	4.672	41	22395	5.004	ug/l	99
15) Acrylonitrile	5.385	53	17916	25.225	ug/l	100
16) Acetone	4.147	43	14374	27.877	ug/l	98
17) Carbon Disulfide	4.391	76	46426	5.208	ug/l	98
18) Methyl Acetate	4.684	43	10315	6.024	ug/l	99
19) Methyl tert-butyl Ether	5.440	73	22071	5.036	ug/l	100
20) Methylene Chloride	4.922	84	24759	6.437	ug/l	95
21) trans-1,2-Dichloroethene	5.434	96	17456	5.146	ug/l	91
22) Diisopropyl ether	6.318	45	47391	4.948	ug/l	93
23) Vinyl Acetate	6.263	43	131300	22.836	ug/l	98
24) 1,1-Dichloroethane	6.226	63	32986	5.157	ug/l	99
25) 2-Butanone	7.183	43	23494	26.488	ug/l	100
26) 2,2-Dichloropropane	7.177	77	18766	5.511	ug/l	95
27) cis-1,2-Dichloroethene	7.171	96	19130	5.055	ug/l	98
28) Bromochloromethane	7.519	49	13876	5.433	ug/l	98
29) Tetrahydrofuran	7.537	42	15253	25.886	ug/l	97
30) Chloroform	7.677	83	32847	5.255	ug/l	96
31) Cyclohexane	7.952	56	34444	5.782	ug/l #	82
32) 1,1,1-Trichloroethane	7.878	97	24562	5.291	ug/l	96
36) 1,1-Dichloropropene	8.086	75	25684	4.975	ug/l	99
37) Ethyl Acetate	7.263	43	11565	5.345	ug/l	96
38) Carbon Tetrachloride	8.073	117	22696	5.032	ug/l	98
39) Methylcyclohexane	9.335	83	28847	4.701	ug/l	96
40) Benzene	8.330	78	72027	4.985	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.494	41	5122	4.170	ug/l #	86
42) 1,2-Dichloroethane	8.403	62	21527	5.164	ug/l	98
43) Isopropyl Acetate	8.427	43	19782	4.891	ug/l	100
44) Trichloroethene	9.098	130	18453	5.068	ug/l	97
45) 1,2-Dichloropropane	9.372	63	18196	4.987	ug/l	99
46) Dibromomethane	9.463	93	9478	5.121	ug/l	99
47) Bromodichloromethane	9.646	83	22373	4.812	ug/l	94
48) Methyl methacrylate	9.439	41	8233	4.443	ug/l	97
49) 1,4-Dioxane	9.482	88	2669	97.465	ug/l #	99
51) 4-Methyl-2-Pentanone	10.213	43	50346	24.132	ug/l	98
52) Toluene	10.390	92	43895	4.894	ug/l	96
53) t-1,3-Dichloropropene	10.610	75	22125	4.665	ug/l	98
54) cis-1,3-Dichloropropene	10.079	75	26162	4.636	ug/l	98
55) 1,1,2-Trichloroethane	10.793	97	12819	4.917	ug/l	98
56) Ethyl methacrylate	10.646	69	14990	4.391	ug/l	98
57) 1,3-Dichloropropane	10.933	76	23748	5.037	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.927	63	37580	23.789	ug/l	98
59) 2-Hexanone	10.969	43	32649	23.588	ug/l	96
60) Dibromochloromethane	11.134	129	13587	4.744	ug/l	96
61) 1,2-Dibromoethane	11.238	107	12369	5.026	ug/l	99
64) Tetrachloroethene	10.866	164	14629	4.961	ug/l	96
65) Chlorobenzene	11.658	112	46695	5.000	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.731	131	15959	4.968	ug/l	99
67) Ethyl Benzene	11.731	91	80878	4.731	ug/l	98
68) m/p-Xylenes	11.841	106	61275	9.376	ug/l	100
69) o-Xylene	12.164	106	28029	4.588	ug/l	96
70) Styrene	12.183	104	46465	4.502	ug/l	99
71) Bromoform	12.347	173	7534	4.704	ug/l #	91
73) Isopropylbenzene	12.463	105	74620	4.444	ug/l	99
74) N-amyl acetate	12.274	43	16945	4.411	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.713	83	15676	4.965	ug/l	99
76) 1,2,3-Trichloropropane	12.768	75	10924m	5.002	ug/l	
77) Bromobenzene	12.749	156	17962	4.746	ug/l	99
78) n-propylbenzene	12.804	91	94990	4.525	ug/l	99
79) 2-Chlorotoluene	12.890	91	56757	4.599	ug/l	97
80) 1,3,5-Trimethylbenzene	12.945	105	63834	4.458	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.512	75	4001	4.175	ug/l	92
82) 4-Chlorotoluene	12.987	91	60201	4.717	ug/l	98
83) tert-Butylbenzene	13.207	119	52951	4.359	ug/l	96
84) 1,2,4-Trimethylbenzene	13.249	105	64506	4.502	ug/l	98
85) sec-Butylbenzene	13.384	105	84567	4.529	ug/l	100
86) p-Isopropyltoluene	13.499	119	69781	4.536	ug/l	99
87) 1,3-Dichlorobenzene	13.499	146	38331	4.948	ug/l	100
88) 1,4-Dichlorobenzene	13.579	146	39690	5.176	ug/l	97
89) n-Butylbenzene	13.822	91	68026	4.517	ug/l	98
90) Hexachloroethane	14.091	117	12504	4.610	ug/l	98
91) 1,2-Dichlorobenzene	13.865	146	33441	4.908	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.481	75	2626	5.016	ug/l	95
93) 1,2,4-Trichlorobenzene	15.127	180	21605	4.698	ug/l	97
94) Hexachlorobutadiene	15.231	225	12608	4.846	ug/l	97
95) Naphthalene	15.365	128	36598	4.345	ug/l	99
96) 1,2,3-Trichlorobenzene	15.554	180	19153	4.764	ug/l	99

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

