

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061121\
 Data File : VD069414.D
 Acq On : 11 Jun 2021 11:56
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 6/14/2021 10:56:34 AM

Quant Time: Jun 11 12:29:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061121S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 11 12:10:28 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	422526	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	656867	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	632849	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	317009	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	470334	97.503	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 195.000%#			
35) Dibromofluoromethane	7.914	113	497390	100.857	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 201.720%#			
50) Toluene-d8	10.338	98	1921464	109.879	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 219.760%#			
62) 4-Bromofluorobenzene	12.626	95	633082	114.821	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 229.640%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	396023	90.838	ug/l	95
3) Chloromethane	2.209	50	393242	89.093	ug/l	98
4) Vinyl Chloride	2.350	62	482056	91.571	ug/l	100
5) Bromomethane	2.750	94	386229	89.582	ug/l	91
6) Chloroethane	2.915	64	330376	91.044	ug/l	98
7) Trichlorofluoromethane	3.273	101	801049	93.364	ug/l	98
8) Diethyl Ether	3.709	74	225470	111.992	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.097	101	467491	91.326	ug/l	99
10) Methyl Iodide	4.303	142	540094	131.166	ug/l	99
11) Tert butyl alcohol	5.226	59	117499	460.231	ug/l	99
12) 1,1-Dichloroethene	4.067	96	453568	101.241	ug/l	97
13) Acrolein	3.920	56	167653	562.355	ug/l	95
14) Allyl chloride	4.714	41	568129	111.704	ug/l	99
15) Acrylonitrile	5.420	53	428461	547.003	ug/l	100
16) Acetone	4.162	43	403571	494.311	ug/l	92
17) Carbon Disulfide	4.409	76	1455301	99.796	ug/l	99
18) Methyl Acetate	4.714	43	191113	83.620	ug/l	97
19) Methyl tert-butyl Ether	5.479	73	923759	120.544	ug/l	98
20) Methylene Chloride	4.961	84	547315	64.987	ug/l	98
21) trans-1,2-Dichloroethene	5.473	96	536418	102.759	ug/l	96
22) Diisopropyl ether	6.367	45	1143956	113.720	ug/l	95
23) Vinyl Acetate	6.303	43	3573575	687.220	ug/l	99
24) 1,1-Dichloroethane	6.261	63	858460	96.963	ug/l	100
25) 2-Butanone	7.214	43	539926	567.887	ug/l	97
26) 2,2-Dichloropropane	7.208	77	761194	97.842	ug/l	100
27) cis-1,2-Dichloroethene	7.208	96	592498	106.085	ug/l	98
28) Bromochloromethane	7.544	49	324281	101.475	ug/l	97
29) Tetrahydrofuran	7.561	42	313997	601.324	ug/l	99
30) Chloroform	7.708	83	934378	93.544	ug/l	99
31) Cyclohexane	7.985	56	648695	99.668	ug/l	99
32) 1,1,1-Trichloroethane	7.902	97	825781	94.654	ug/l	100
36) 1,1-Dichloropropene	8.108	75	716615	105.843	ug/l	100
37) Ethyl Acetate	7.291	43	252516	113.601	ug/l	99
38) Carbon Tetrachloride	8.097	117	739375	98.648	ug/l	98
39) Methylcyclohexane	9.355	83	792193	123.007	ug/l	95
40) Benzene	8.350	78	2055564	103.547	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	119872	111.671	ug/l	94
42) 1,2-Dichloroethane	8.426	62	547942	99.121	ug/l	99
43) Isopropyl Acetate	8.450	43	474108	113.393	ug/l	99
44) Trichloroethene	9.114	130	562993	100.905	ug/l	93
45) 1,2-Dichloropropane	9.385	63	493309	101.000	ug/l	99
46) Dibromomethane	9.479	93	286695	103.054	ug/l	95
47) Bromodichloromethane	9.661	83	724607	100.027	ug/l	96
48) Methyl methacrylate	9.455	41	219243	119.657	ug/l	93
49) 1,4-Dioxane	9.455	88	62567	2417.964	ug/l #	94
51) 4-Methyl-2-Pentanone	10.226	43	1230175	581.942	ug/l	100
52) Toluene	10.402	92	1357686	110.144	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	664525	111.490	ug/l	100
54) cis-1,3-Dichloropropene	10.091	75	789690	109.668	ug/l	98
55) 1,1,2-Trichloroethane	10.796	97	397629	103.243	ug/l	97
56) Ethyl methacrylate	10.661	69	469198	133.081	ug/l	97
57) 1,3-Dichloropropane	10.944	76	667108	108.292	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	1177483	658.739	ug/l	99
59) 2-Hexanone	10.985	43	857290	618.954	ug/l	100
60) Dibromochloromethane	11.138	129	502136	102.505	ug/l	98
61) 1,2-Dibromoethane	11.243	107	383572	104.426	ug/l	99
64) Tetrachloroethene	10.873	164	468585	92.610	ug/l	99
65) Chlorobenzene	11.667	112	1424832	102.265	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	539317	100.094	ug/l	99
67) Ethyl Benzene	11.743	91	2592050	116.019	ug/l	98
68) m/p-Xylenes	11.849	106	2028954	226.301	ug/l	99
69) o-Xylene	12.179	106	932026	120.491	ug/l	99
70) Styrene	12.191	104	1642377	120.268	ug/l	99
71) Bromoform	12.355	173	289362	105.145	ug/l #	99
73) Isopropylbenzene	12.473	105	2469655	117.069	ug/l	99
74) N-amyl acetate	12.285	43	458777	123.465	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.726	83	431685	100.839	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	327237m	134.390	ug/l	
77) Bromobenzene	12.755	156	583193	106.441	ug/l	98
78) n-propylbenzene	12.814	91	3000616	114.686	ug/l	100
79) 2-Chlorotoluene	12.902	91	1658172	110.287	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	2091587	117.695	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.526	75	134113	117.017	ug/l	97
82) 4-Chlorotoluene	13.002	91	1758979	109.583	ug/l	100
83) tert-Butylbenzene	13.220	119	1785799	118.266	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	2090257	117.628	ug/l	99
85) sec-Butylbenzene	13.396	105	2579379	114.595	ug/l	99
86) p-Isopropyltoluene	13.508	119	2280009	118.073	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	1151682	103.784	ug/l	99
88) 1,4-Dichlorobenzene	13.590	146	1112864	99.290	ug/l	98
89) n-Butylbenzene	13.837	91	2108128	116.876	ug/l	99
90) Hexachloroethane	14.102	117	400032	99.975	ug/l	98
91) 1,2-Dichlorobenzene	13.885	146	993144	101.754	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	64977	100.893	ug/l	94
93) 1,2,4-Trichlorobenzene	15.155	180	624800	114.667	ug/l	100
94) Hexachlorobutadiene	15.255	225	361405	101.963	ug/l	98
95) Naphthalene	15.390	128	1167216	135.343	ug/l	100
96) 1,2,3-Trichlorobenzene	15.584	180	541838	115.059	ug/l	99

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

