

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052522\
 Data File : VD073360.D
 Acq On : 25 May 2022 14:59
 Operator : VA/SY
 Sample : VD0525SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0525SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/26/2022
 Supervised By :Mahesh Dadoda 05/30/2022

Quant Time: May 26 02:24:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	326133	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	554769	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	529452	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	266332	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	189425	52.556	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.120%			
35) Dibromofluoromethane	7.908	113	198340	54.180	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.360%			
50) Toluene-d8	10.332	98	714850	52.974	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.940%			
62) 4-Bromofluorobenzene	12.620	95	265783	56.123	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 112.240%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	69220	21.241	ug/l	93
3) Chloromethane	2.209	50	70439	19.115	ug/l	99
4) Vinyl Chloride	2.344	62	64353	19.098	ug/l	100
5) Bromomethane	2.750	94	49503	20.538	ug/l	100
6) Chloroethane	2.915	64	41943	20.248	ug/l	100
7) Trichlorofluoromethane	3.267	101	123596	20.744	ug/l	97
8) Diethyl Ether	3.709	74	34172	20.872	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.091	101	73170	20.582	ug/l	93
10) Methyl Iodide	4.297	142	70055	18.265	ug/l	99
11) Tert butyl alcohol	5.185	59	60945	108.987	ug/l #	78
12) 1,1-Dichloroethene	4.062	96	66685	20.346	ug/l	88
13) Acrolein	3.920	56	27052	112.756	ug/l	96
14) Allyl chloride	4.714	41	104026	19.663	ug/l #	91
15) Acrylonitrile	5.420	53	83879	112.040	ug/l	100
16) Acetone	4.162	43	65708	105.252	ug/l	92
17) Carbon Disulfide	4.403	76	196432	18.079	ug/l	96
18) Methyl Acetate	4.720	43	41624	23.977	ug/l	93
19) Methyl tert-butyl Ether	5.473	73	164303	22.005	ug/l	98
20) Methylene Chloride	4.956	84	101989	23.652	ug/l	88
21) trans-1,2-Dichloroethene	5.467	96	82168	20.735	ug/l	87
22) Diisopropyl ether	6.361	45	242134	21.833	ug/l	90
23) Vinyl Acetate	6.303	43	627191	106.022	ug/l #	95
24) 1,1-Dichloroethane	6.261	63	146005	20.510	ug/l	96
25) 2-Butanone	7.208	43	103792	113.638	ug/l #	82
26) 2,2-Dichloropropane	7.203	77	126500	20.837	ug/l	97
27) cis-1,2-Dichloroethene	7.203	96	91770	20.929	ug/l	91
28) Bromochloromethane	7.544	49	47581	19.401	ug/l #	80
29) Tetrahydrofuran	7.561	42	65180	110.363	ug/l	92
30) Chloroform	7.708	83	161722	21.760	ug/l	98
31) Cyclohexane	7.979	56	122942	19.519	ug/l #	83
32) 1,1,1-Trichloroethane	7.897	97	134661	20.717	ug/l	96
36) 1,1-Dichloropropene	8.108	75	114985	20.885	ug/l	98
37) Ethyl Acetate	7.291	43	46248	21.266	ug/l #	92
38) Carbon Tetrachloride	8.091	117	119180	21.355	ug/l	99
39) Methylcyclohexane	9.350	83	120001	19.557	ug/l	94
40) Benzene	8.344	78	336164	21.186	ug/l	99

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41) Methacrylonitrile	7.508	41	31659	24.986	ug/l	97
42) 1,2-Dichloroethane	8.420	62	95567	21.646	ug/l	96
43) Isopropyl Acetate	8.444	43	90437	22.499	ug/l #	93
44) Trichloroethene	9.108	130	91570	21.641	ug/l	90
45) 1,2-Dichloropropane	9.379	63	86253	21.585	ug/l	98
46) Dibromomethane	9.467	93	48421	22.063	ug/l	97
47) Bromodichloromethane	9.655	83	121217	21.586	ug/l	99
48) Methyl methacrylate	9.450	41	39792	19.676	ug/l #	79
49) 1,4-Dioxane	9.455	88	10666	470.601	ug/l	93
51) 4-Methyl-2-Pentanone	10.220	43	238269	114.128	ug/l	92
52) Toluene	10.397	92	219994	21.940	ug/l	96
53) t-1,3-Dichloropropene	10.608	75	109689	21.621	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	131164	21.605	ug/l #	87
55) 1,1,2-Trichloroethane	10.791	97	66536	22.419	ug/l	98
56) Ethyl methacrylate	10.655	69	74049	22.441	ug/l #	83
57) 1,3-Dichloropropane	10.938	76	110876	22.266	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.932	63	141082	103.830	ug/l	96
59) 2-Hexanone	10.973	43	164412	119.450	ug/l	98
60) Dibromochloromethane	11.132	129	83439	22.547	ug/l	98
61) 1,2-Dibromoethane	11.238	107	65059	22.941	ug/l	99
64) Tetrachloroethene	10.867	164	73455	21.182	ug/l	91
65) Chlorobenzene	11.661	112	232626	21.417	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	88349	21.932	ug/l	98
67) Ethyl Benzene	11.738	91	405837	21.285	ug/l	96
68) m/p-Xylenes	11.844	106	321704	43.427	ug/l	97
69) o-Xylene	12.173	106	148683	21.848	ug/l	94
70) Styrene	12.185	104	263217	22.481	ug/l	97
71) Bromoform	12.349	173	47709	23.012	ug/l #	99
73) Isopropylbenzene	12.467	105	390457	20.565	ug/l	100
74) N-amyl acetate	12.279	43	84581	20.420	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.714	83	78713	22.478	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	55207m	21.126	ug/l	
77) Bromobenzene	12.743	156	95987	21.476	ug/l	91
78) n-propylbenzene	12.808	91	504296	21.157	ug/l	99
79) 2-Chlorotoluene	12.896	91	287347	20.879	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	342277	21.281	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	23702	21.775	ug/l	88
82) 4-Chlorotoluene	12.991	91	311453	21.590	ug/l	100
83) tert-Butylbenzene	13.208	119	288682	21.297	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	342805	21.575	ug/l	100
85) sec-Butylbenzene	13.390	105	436153	21.073	ug/l	99
86) p-Isopropyltoluene	13.502	119	359526	21.309	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	193687	21.500	ug/l	100
88) 1,4-Dichlorobenzene	13.579	146	195733	21.523	ug/l	100
89) n-Butylbenzene	13.826	91	338929	21.083	ug/l	100
90) Hexachloroethane	14.096	117	73034	20.920	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	170360	21.856	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	12167	22.689	ug/l	94
93) 1,2,4-Trichlorobenzene	15.143	180	98120	22.172	ug/l	100
94) Hexachlorobutadiene	15.249	225	53276	21.364	ug/l	97
95) Naphthalene	15.379	128	169996	21.665	ug/l	100
96) 1,2,3-Trichlorobenzene	15.573	180	86273	21.991	ug/l	99

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

