

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051922\
 Data File : VD073145.D
 Acq On : 19 May 2022 18:22
 Operator : VA/SY
 Sample : VD0519SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0519SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/24/2022
 Supervised By :Mahesh Dadoda 05/24/2022

Quant Time: May 20 01:49:34 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	336019	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	573903	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	539700	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	262999	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	188029	50.634	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.260%			
35) Dibromofluoromethane	7.908	113	191751	50.634	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.260%			
50) Toluene-d8	10.332	98	724756	51.917	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.840%			
62) 4-Bromofluorobenzene	12.620	95	253215	51.686	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.380%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	72734	21.662	ug/l	98
3) Chloromethane	2.209	50	76669	20.194	ug/l	99
4) Vinyl Chloride	2.344	62	68512	19.734	ug/l	99
5) Bromomethane	2.750	94	48936	19.528	ug/l	94
6) Chloroethane	2.914	64	42280	19.811	ug/l	91
7) Trichlorofluoromethane	3.267	101	123369	20.097	ug/l	98
8) Diethyl Ether	3.709	74	32708	19.390	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.085	101	73007	19.932	ug/l	96
10) Methyl Iodide	4.303	142	67997	17.207	ug/l	99
11) Tert butyl alcohol	5.185	59	42563	73.875	ug/l #	74
12) 1,1-Dichloroethene	4.061	96	66862	19.800	ug/l	86
13) Acrolein	3.920	56	28084	113.759	ug/l	98
14) Allyl chloride	4.708	41	101918	18.698	ug/l	90
15) Acrylonitrile	5.414	53	80109	103.856	ug/l	96
16) Acetone	4.156	43	57458	89.330	ug/l	93
17) Carbon Disulfide	4.409	76	220671	19.712	ug/l	99
18) Methyl Acetate	4.720	43	36800	20.575	ug/l	92
19) Methyl tert-butyl Ether	5.479	73	150343	19.543	ug/l	98
20) Methylene Chloride	4.961	84	102470	22.957	ug/l	87
21) trans-1,2-Dichloroethene	5.461	96	81546	19.972	ug/l	90
22) Diisopropyl ether	6.367	45	233385	20.425	ug/l	95
23) Vinyl Acetate	6.303	43	602578	98.865	ug/l #	92
24) 1,1-Dichloroethane	6.261	63	145446	19.830	ug/l	98
25) 2-Butanone	7.208	43	91323	97.044	ug/l #	85
26) 2,2-Dichloropropane	7.202	77	119625	19.125	ug/l	100
27) cis-1,2-Dichloroethene	7.208	96	89129	19.728	ug/l	92
28) Bromochloromethane	7.544	49	47337	18.734	ug/l #	82
29) Tetrahydrofuran	7.561	42	60724	99.793	ug/l	91
30) Chloroform	7.702	83	150396	19.641	ug/l	95
31) Cyclohexane	7.979	56	124296	19.154	ug/l #	86
32) 1,1,1-Trichloroethane	7.902	97	130735	19.521	ug/l	96
36) 1,1-Dichloropropene	8.108	75	112023	19.668	ug/l	97
37) Ethyl Acetate	7.297	43	43221	19.212	ug/l #	91
38) Carbon Tetrachloride	8.091	117	113993	19.744	ug/l	99
39) Methylcyclohexane	9.349	83	122042	19.227	ug/l	95
40) Benzene	8.344	78	327635	19.960	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	25340	19.332	ug/l #	90
42) 1,2-Dichloroethane	8.420	62	93239	20.414	ug/l	96
43) Isopropyl Acetate	8.449	43	84697	20.368	ug/l	95
44) Trichloroethene	9.102	130	86952	19.865	ug/l	90
45) 1,2-Dichloropropane	9.379	63	81585	19.736	ug/l	96
46) Dibromomethane	9.467	93	44859	19.758	ug/l	95
47) Bromodichloromethane	9.655	83	114505	19.711	ug/l	98
48) Methyl methacrylate	9.449	41	38565	18.434	ug/l #	80
49) 1,4-Dioxane	9.455	88	9057	386.286	ug/l	90
51) 4-Methyl-2-Pentanone	10.220	43	218684	101.255	ug/l	95
52) Toluene	10.391	92	212245	20.462	ug/l	98
53) t-1,3-Dichloropropene	10.608	75	101851	19.407	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	125127	19.923	ug/l	90
55) 1,1,2-Trichloroethane	10.791	97	60201	19.608	ug/l	95
56) Ethyl methacrylate	10.655	69	66883	19.593	ug/l #	86
57) 1,3-Dichloropropane	10.938	76	103918	20.173	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	118486	88.362	ug/l	98
59) 2-Hexanone	10.973	43	143612	100.859	ug/l	97
60) Dibromochloromethane	11.126	129	76045	19.864	ug/l	100
61) 1,2-Dibromoethane	11.238	107	59011	20.115	ug/l	98
64) Tetrachloroethene	10.867	164	71704	20.285	ug/l	98
65) Chlorobenzene	11.661	112	222674	20.112	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	81198	19.774	ug/l	99
67) Ethyl Benzene	11.732	91	383586	19.736	ug/l	99
68) m/p-Xylenes	11.843	106	307682	40.746	ug/l	97
69) o-Xylene	12.167	106	136569	19.687	ug/l	96
70) Styrene	12.185	104	240024	20.111	ug/l	98
71) Bromoform	12.349	173	43398	20.535	ug/l #	97
73) Isopropylbenzene	12.467	105	367150	19.582	ug/l	100
74) N-amyl acetate	12.279	43	82388	20.143	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.714	83	70790	20.472	ug/l	97
76) 1,2,3-Trichloropropane	12.773	75	48076m	18.631	ug/l	
77) Bromobenzene	12.749	156	86301	19.554	ug/l	97
78) n-propylbenzene	12.808	91	465838	19.791	ug/l	99
79) 2-Chlorotoluene	12.896	91	264495	19.462	ug/l	96
80) 1,3,5-Trimethylbenzene	12.949	105	313577	19.744	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.514	75	21228	19.749	ug/l	88
82) 4-Chlorotoluene	12.990	91	286236	20.094	ug/l	100
83) tert-Butylbenzene	13.208	119	253503	18.939	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	314713	20.058	ug/l	99
85) sec-Butylbenzene	13.384	105	399047	19.524	ug/l	99
86) p-Isopropyltoluene	13.502	119	328845	19.738	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	179864	20.218	ug/l	98
88) 1,4-Dichlorobenzene	13.579	146	172017	19.155	ug/l	96
89) n-Butylbenzene	13.826	91	311515	19.623	ug/l	100
90) Hexachloroethane	14.096	117	65787	19.083	ug/l	98
91) 1,2-Dichlorobenzene	13.873	146	155562	20.210	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.484	75	10518	19.862	ug/l	93
93) 1,2,4-Trichlorobenzene	15.143	180	83909	19.201	ug/l	98
94) Hexachlorobutadiene	15.249	225	47858	19.435	ug/l	95
95) Naphthalene	15.379	128	144294	19.120	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	75193	19.409	ug/l	100

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

