

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051922\
 Data File : VD073168.D
 Acq On : 20 May 2022 06:47
 Operator : VA/SY
 Sample : VD0519SBS02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0519SBS02

Manual Integrations
 APPROVED

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

Quant Time: May 20 07:54:05 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	16148	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	34962	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	47872	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	25387	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	31394	175.918	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 351.840%#			
35) Dibromofluoromethane	7.902	113	21593	93.597	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 187.200%#			
50) Toluene-d8	10.332	98	54022	63.523	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 127.040%			
62) 4-Bromofluorobenzene	12.620	95	24172	80.992	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 161.980%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	1387	8.596	ug/l #	71
3) Chloromethane	2.209	50	4417	24.209	ug/l #	87
4) Vinyl Chloride	2.344	62	2277	13.648	ug/l	98
5) Bromomethane	2.767	94	5183	48.323	ug/l #	80
6) Chloroethane	2.920	64	2355	22.961	ug/l	97
7) Trichlorofluoromethane	3.267	101	3619	12.267	ug/l #	76
8) Diethyl Ether	3.709	74	5716	70.512	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.079	101	1259	7.153	ug/l #	54
10) Methyl Iodide	4.309	142	5775	30.409	ug/l #	73
11) Tert butyl alcohol	5.197	59	16447	594.016	ug/l #	79
12) 1,1-Dichloroethene	4.061	96	2841	17.507	ug/l #	95
13) Acrolein	3.926	56	8747	842.000	ug/l	99
14) Allyl chloride	4.703	41	7011	26.765	ug/l #	56
15) Acrylonitrile	5.414	53	27093	730.889	ug/l	96
16) Acetone	4.156	43	23927	774.066	ug/l	98
17) Carbon Disulfide	4.409	76	9655	17.947	ug/l #	74
18) Methyl Acetate	4.714	43	13785	160.377	ug/l	95
19) Methyl tert-butyl Ether	5.461	73	23146	62.607	ug/l	91
20) Methylene Chloride	4.961	84	12604	65.525	ug/l	86
21) trans-1,2-Dichloroethene	5.467	96	4845	24.692	ug/l	83
22) Diisopropyl ether	6.361	45	23220	42.285	ug/l #	88
23) Vinyl Acetate	6.297	43	99159	338.537	ug/l #	90
24) 1,1-Dichloroethane	6.261	63	11787	33.441	ug/l	94
25) 2-Butanone	7.202	43	34375	760.110	ug/l #	90
26) 2,2-Dichloropropane	7.191	77	6648	22.116	ug/l	90
27) cis-1,2-Dichloroethene	7.202	96	7001	32.246	ug/l	94
28) Bromochloromethane	7.538	49	5984	49.279	ug/l #	73
29) Tetrahydrofuran	7.555	42	19632	671.354	ug/l	90
30) Chloroform	7.702	83	14385	39.092	ug/l	96
31) Cyclohexane	7.973	56	3154	10.114	ug/l #	85
32) 1,1,1-Trichloroethane	7.891	97	6817	21.181	ug/l	99
36) 1,1-Dichloropropene	8.102	75	4502	12.975	ug/l	93
37) Ethyl Acetate	7.285	43	13395	97.737	ug/l #	87
38) Carbon Tetrachloride	8.091	117	4964	14.114	ug/l #	85
39) Methylcyclohexane	9.361	83	2598	6.719	ug/l #	58
40) Benzene	8.350	78	23127	23.128	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	5893m	73.800	ug/l	
42) 1,2-Dichloroethane	8.414	62	13559	48.731	ug/l	98
43) Isopropyl Acetate	8.444	43	19827	78.268	ug/l	98
44) Trichloroethene	9.102	130	5843	21.912	ug/l	76
45) 1,2-Dichloropropane	9.379	63	7850	31.171	ug/l	89
46) Dibromomethane	9.461	93	7695	55.635	ug/l	98
47) Bromodichloromethane	9.655	83	12185	34.431	ug/l #	78
48) Methyl methacrylate	9.449	41	7976	62.582	ug/l #	84
49) 1,4-Dioxane	9.455	88	2914	2040.125	ug/l	95
51) 4-Methyl-2-Pentanone	10.220	43	60166	457.290	ug/l	99
52) Toluene	10.391	92	13510	21.380	ug/l	100
53) t-1,3-Dichloropropene	10.608	75	12729	39.813	ug/l	94
54) cis-1,3-Dichloropropene	10.079	75	12317	32.193	ug/l	98
55) 1,1,2-Trichloroethane	10.791	97	10402	55.616	ug/l #	91
56) Ethyl methacrylate	10.649	69	10839	52.123	ug/l	88
57) 1,3-Dichloropropane	10.932	76	17224	54.884	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.932	63	13796	149.182	ug/l	96
59) 2-Hexanone	10.973	43	42065	484.940	ug/l	97
60) Dibromochloromethane	11.126	129	11372	48.762	ug/l	98
61) 1,2-Dibromoethane	11.238	107	10736	60.071	ug/l	99
64) Tetrachloroethene	10.867	164	4561	14.546	ug/l	86
65) Chlorobenzene	11.655	112	18835	19.179	ug/l #	85
66) 1,1,1,2-Tetrachloroethane	11.732	131	9143	25.103	ug/l	97
67) Ethyl Benzene	11.732	91	21787	12.637	ug/l	95
68) m/p-Xylenes	11.843	106	16532	24.682	ug/l	99
69) o-Xylene	12.173	106	9103	14.794	ug/l	99
70) Styrene	12.185	104	15854	14.976	ug/l	99
71) Bromoform	12.349	173	9077	48.422	ug/l #	99
73) Isopropylbenzene	12.467	105	18027	9.961	ug/l	98
74) N-amyl acetate	12.279	43	13882	35.161	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	15858	47.509	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	11594m	46.545	ug/l	
77) Bromobenzene	12.749	156	8686	20.388	ug/l	83
78) n-propylbenzene	12.808	91	22816	10.042	ug/l	98
79) 2-Chlorotoluene	12.896	91	18331	13.973	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	15746	10.271	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	4107	39.583	ug/l	87
82) 4-Chlorotoluene	12.990	91	19758	14.369	ug/l	97
83) tert-Butylbenzene	13.214	119	12011	9.296	ug/l	94
84) 1,2,4-Trimethylbenzene	13.255	105	17887	11.810	ug/l	100
85) sec-Butylbenzene	13.390	105	15101	7.654	ug/l	97
86) p-Isopropyltoluene	13.502	119	14150	8.798	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	16479	19.190	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	16756	19.330	ug/l	94
89) n-Butylbenzene	13.832	91	13197	8.612	ug/l	96
90) Hexachloroethane	14.096	117	4803	14.433	ug/l	97
91) 1,2-Dichlorobenzene	13.873	146	16024	21.567	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.496	75	3485	68.178	ug/l	91
93) 1,2,4-Trichlorobenzene	15.149	180	9289	22.021	ug/l	97
94) Hexachlorobutadiene	15.243	225	3003	12.633	ug/l	85
95) Naphthalene	15.379	128	25113	31.629	ug/l	97
96) 1,2,3-Trichlorobenzene	15.573	180	9041	24.177	ug/l	97

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

