

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051322\
 Data File : VD073013.D
 Acq On : 14 May 2022 03:24
 Operator : VA/SY
 Sample : VD0513SBS02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/19/2022
 Supervised By : Mahesh Dadoda 05/19/2022

Quant Time: May 16 05:19:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	271593	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	475130	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	451591	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	226392	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	171335	48.599	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.200%		
35) Dibromofluoromethane	7.908	113	176893	53.011	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	106.020%		
50) Toluene-d8	10.332	98	629370	52.580	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	105.160%		
62) 4-Bromofluorobenzene	12.620	95	234800	52.608	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	105.220%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	69152	18.426	ug/l	96
3) Chloromethane	2.209	50	74455	19.076	ug/l	93
4) Vinyl Chloride	2.350	62	68145	19.457	ug/l	98
5) Bromomethane	2.750	94	49128	21.938	ug/l	91
6) Chloroethane	2.914	64	43297	19.836	ug/l	96
7) Trichlorofluoromethane	3.267	101	123489	20.136	ug/l	94
8) Diethyl Ether	3.709	74	36087	20.525	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.085	101	75950	20.860	ug/l	98
10) Methyl Iodide	4.297	142	69660	19.064	ug/l	98
11) Tert butyl alcohol	5.185	59	47128	154.504	ug/l #	74
12) 1,1-Dichloroethene	4.061	96	66041	20.166	ug/l	87
13) Acrolein	3.920	56	15661	61.204	ug/l	93
14) Allyl chloride	4.709	41	107413	20.315	ug/l	93
15) Acrylonitrile	5.408	53	84967	101.686	ug/l	96
16) Acetone	4.156	43	62096	84.896	ug/l	100
17) Carbon Disulfide	4.403	76	192618	18.706	ug/l	98
18) Methyl Acetate	4.714	43	45823	23.757	ug/l	94
19) Methyl tert-butyl Ether	5.479	73	157013	19.999	ug/l	100
20) Methylene Chloride	4.961	84	107282	21.905	ug/l	88
21) trans-1,2-Dichloroethene	5.467	96	79928	21.281	ug/l	89
22) Diisopropyl ether	6.367	45	243896	20.970	ug/l #	93
23) Vinyl Acetate	6.303	43	603354	93.906	ug/l #	94
24) 1,1-Dichloroethane	6.261	63	150999	21.609	ug/l	96
25) 2-Butanone	7.208	43	95684	93.149	ug/l #	86
26) 2,2-Dichloropropane	7.208	77	110674	18.734	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	91261	21.215	ug/l	90
28) Bromochloromethane	7.538	49	48656	18.672	ug/l	87
29) Tetrahydrofuran	7.555	42	64846	99.039	ug/l	95
30) Chloroform	7.702	83	159263	21.540	ug/l	97
31) Cyclohexane	7.985	56	112186	18.204	ug/l	95
32) 1,1,1-Trichloroethane	7.897	97	136390	21.643	ug/l	96
36) 1,1-Dichloropropene	8.102	75	108575	20.011	ug/l	97
37) Ethyl Acetate	7.285	43	47443	19.021	ug/l #	95
38) Carbon Tetrachloride	8.091	117	119114	21.148	ug/l	99
39) Methylcyclohexane	9.349	83	112909	17.940	ug/l	98
40) Benzene	8.344	78	339068	21.639	ug/l	96

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41) Methacrylonitrile	7.514	41	29787	20.056	ug/l	96
42) 1,2-Dichloroethane	8.420	62	95544	20.235	ug/l	97
43) Isopropyl Acetate	8.444	43	87577	19.023	ug/l #	90
44) Trichloroethene	9.108	130	86408	20.613	ug/l	94
45) 1,2-Dichloropropane	9.379	63	88452	21.495	ug/l	91
46) Dibromomethane	9.467	93	47472	20.914	ug/l	97
47) Bromodichloromethane	9.655	83	121435	20.796	ug/l	99
48) Methyl methacrylate	9.449	41	44639	19.820	ug/l	92
49) 1,4-Dioxane	9.455	88	8923	349.085	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	233375	97.554	ug/l	95
52) Toluene	10.396	92	217637	22.266	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	106717	19.896	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	127026	20.385	ug/l #	85
55) 1,1,2-Trichloroethane	10.791	97	62493	20.365	ug/l	95
56) Ethyl methacrylate	10.655	69	68912	19.073	ug/l #	87
57) 1,3-Dichloropropane	10.938	76	108208	20.549	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	150944	86.169	ug/l	96
59) 2-Hexanone	10.973	43	153886	95.598	ug/l	97
60) Dibromochloromethane	11.132	129	81070	20.987	ug/l	100
61) 1,2-Dibromoethane	11.238	107	61193	20.488	ug/l	99
64) Tetrachloroethene	10.867	164	69886	21.167	ug/l	97
65) Chlorobenzene	11.661	112	228939	21.918	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.732	131	85790	21.855	ug/l	98
67) Ethyl Benzene	11.738	91	389935	21.572	ug/l	96
68) m/p-Xylenes	11.843	106	306895	44.075	ug/l	100
69) o-Xylene	12.173	106	142632	21.933	ug/l	95
70) Styrene	12.185	104	254739	22.609	ug/l	97
71) Bromoform	12.349	173	45205	21.249	ug/l #	98
73) Isopropylbenzene	12.467	105	377241	21.417	ug/l	100
74) N-amyl acetate	12.279	43	85557	19.505	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	74154	20.856	ug/l	95
76) 1,2,3-Trichloropropane	12.767	75	51088m	20.238	ug/l	
77) Bromobenzene	12.749	156	87865	21.007	ug/l	95
78) n-propylbenzene	12.808	91	478704	21.564	ug/l	100
79) 2-Chlorotoluene	12.896	91	278561	21.481	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	326712	21.875	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.514	75	20572	18.740	ug/l	93
82) 4-Chlorotoluene	12.990	91	295907	21.839	ug/l	99
83) tert-Butylbenzene	13.208	119	270458	21.300	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	322882	21.628	ug/l	98
85) sec-Butylbenzene	13.390	105	416957	21.772	ug/l	99
86) p-Isopropyltoluene	13.502	119	340856	21.708	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	184631	21.912	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	179701	21.416	ug/l	99
89) n-Butylbenzene	13.826	91	317759	20.891	ug/l	100
90) Hexachloroethane	14.096	117	70073	21.784	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	158117	21.532	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.484	75	10825	19.206	ug/l	96
93) 1,2,4-Trichlorobenzene	15.143	180	88044	20.245	ug/l	99
94) Hexachlorobutadiene	15.249	225	48616	20.469	ug/l	99
95) Naphthalene	15.379	128	154927	19.376	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	81675	21.186	ug/l	96

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

