

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061422\
 Data File : VD073561.D
 Acq On : 14 Jun 2022 11:12
 Operator : VA/SY
 Sample : VD0614SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0614SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/15/2022
 Supervised By : Mahesh Dadoda 06/15/2022

Quant Time: Jun 14 15:43:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 12:33:32 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	267986	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	442171	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	435620	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	232061	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	153371	53.331	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.660%			
35) Dibromofluoromethane	7.903	113	152048	53.475	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.960%			
50) Toluene-d8	10.332	98	565027	52.559	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.120%			
62) 4-Bromofluorobenzene	12.620	95	207586	53.191	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.380%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	55699	21.794	ug/l	99
3) Chloromethane	2.209	50	49756	18.984	ug/l	99
4) Vinyl Chloride	2.350	62	50411	20.514	ug/l	98
5) Bromomethane	2.750	94	39517	22.431	ug/l	96
6) Chloroethane	2.909	64	31878	20.356	ug/l	98
7) Trichlorofluoromethane	3.268	101	105209	21.849	ug/l	96
8) Diethyl Ether	3.715	74	26668	19.352	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.091	101	57909	21.027	ug/l	94
10) Methyl Iodide	4.297	142	53146	18.900	ug/l	96
11) Tert butyl alcohol	5.173	59	37735m	Below Cal		
12) 1,1-Dichloroethene	4.056	96	49339	18.868	ug/l	92
13) Acrolein	3.926	56	9522	75.176	ug/l	91
14) Allyl chloride	4.715	41	70120	18.013	ug/l #	94
15) Acrylonitrile	5.414	53	60167	97.226	ug/l	96
16) Acetone	4.150	43	46815	92.453	ug/l	100
17) Carbon Disulfide	4.403	76	163431	19.718	ug/l	99
18) Methyl Acetate	4.709	43	27147	19.866	ug/l #	86
19) Methyl tert-butyl Ether	5.479	73	121259	19.430	ug/l #	89
20) Methylene Chloride	4.950	84	72676	21.011	ug/l #	77
21) trans-1,2-Dichloroethene	5.467	96	61782	19.532	ug/l #	81
22) Diisopropyl ether	6.367	45	165367	19.686	ug/l #	91
23) Vinyl Acetate	6.303	43	430285m	94.420	ug/l	
24) 1,1-Dichloroethane	6.256	63	111819	20.766	ug/l	96
25) 2-Butanone	7.203	43	69980	93.924	ug/l #	88
26) 2,2-Dichloropropane	7.197	77	98311	20.364	ug/l	97
27) cis-1,2-Dichloroethene	7.203	96	67615	19.774	ug/l	92
28) Bromochloromethane	7.544	49	37172	17.589	ug/l #	70
29) Tetrahydrofuran	7.561	42	43193	90.876	ug/l #	84
30) Chloroform	7.697	83	123179	21.412	ug/l	95
31) Cyclohexane	7.979	56	89363	18.446	ug/l #	84
32) 1,1,1-Trichloroethane	7.897	97	109290	21.560	ug/l	95
36) 1,1-Dichloropropene	8.103	75	87965	20.598	ug/l	97
37) Ethyl Acetate	7.285	43	32236	18.687	ug/l #	94
38) Carbon Tetrachloride	8.091	117	100076	22.401	ug/l	97
39) Methylcyclohexane	9.350	83	93832	18.855	ug/l	97
40) Benzene	8.344	78	249614	20.095	ug/l	99

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41) Methacrylonitrile	7.514	41	18625	19.915	ug/l #	86
42) 1,2-Dichloroethane	8.414	62	76513	22.278	ug/l	95
43) Isopropyl Acetate	8.450	43	61488	18.527	ug/l #	90
44) Trichloroethene	9.103	130	68620	19.834	ug/l	92
45) 1,2-Dichloropropane	9.379	63	61917	20.121	ug/l	93
46) Dibromomethane	9.467	93	36352	20.970	ug/l	95
47) Bromodichloromethane	9.650	83	93474	21.519	ug/l #	91
48) Methyl methacrylate	9.450	41	26940	16.387	ug/l #	72
49) 1,4-Dioxane	9.455	88	6997	350.931	ug/l #	95
51) 4-Methyl-2-Pentanone	10.220	43	164658	98.048	ug/l	95
52) Toluene	10.397	92	167158	20.981	ug/l	99
53) t-1,3-Dichloropropene	10.608	75	84304	20.693	ug/l	94
54) cis-1,3-Dichloropropene	10.085	75	98963	20.741	ug/l #	87
55) 1,1,2-Trichloroethane	10.791	97	49532	20.034	ug/l	93
56) Ethyl methacrylate	10.650	69	53841	19.007	ug/l #	84
57) 1,3-Dichloropropane	10.938	76	83975	20.853	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	105199	90.327	ug/l	92
59) 2-Hexanone	10.973	43	110096	95.727	ug/l	92
60) Dibromochloromethane	11.132	129	65702	21.531	ug/l	100
61) 1,2-Dibromoethane	11.238	107	47488	20.159	ug/l	97
64) Tetrachloroethene	10.867	164	58919	19.867	ug/l	93
65) Chlorobenzene	11.661	112	181920	20.297	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	71551	21.040	ug/l	98
67) Ethyl Benzene	11.738	91	314252	20.063	ug/l	98
68) m/p-Xylenes	11.844	106	251064	40.846	ug/l	99
69) o-Xylene	12.173	106	113550	20.077	ug/l	95
70) Styrene	12.185	104	201763	20.681	ug/l	97
71) Bromoform	12.349	173	39677	21.337	ug/l #	98
73) Isopropylbenzene	12.467	105	298061	18.530	ug/l	99
74) N-amyl acetate	12.279	43	60781	16.986	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.714	83	56670	18.559	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	33914m	15.044	ug/l	
77) Bromobenzene	12.749	156	77447	19.715	ug/l	87
78) n-propylbenzene	12.808	91	381899	19.074	ug/l	98
79) 2-Chlorotoluene	12.896	91	217779	18.713	ug/l	95
80) 1,3,5-Trimethylbenzene	12.949	105	268354	19.344	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.514	75	17494	18.214	ug/l	89
82) 4-Chlorotoluene	12.991	91	237992	19.397	ug/l	97
83) tert-Butylbenzene	13.214	119	218891	18.669	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	273236	19.734	ug/l	98
85) sec-Butylbenzene	13.391	105	338573	19.276	ug/l	99
86) p-Isopropyltoluene	13.502	119	283319	19.350	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	159479	19.882	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	157823	19.889	ug/l	99
89) n-Butylbenzene	13.832	91	259567	18.793	ug/l	98
90) Hexachloroethane	14.096	117	59177	19.517	ug/l	97
91) 1,2-Dichlorobenzene	13.873	146	139973	20.232	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.485	75	8459	17.346	ug/l	82
93) 1,2,4-Trichlorobenzene	15.143	180	75543	18.234	ug/l	96
94) Hexachlorobutadiene	15.255	225	46409	20.422	ug/l	96
95) Naphthalene	15.385	128	128321	18.226	ug/l	98
96) 1,2,3-Trichlorobenzene	15.579	180	68928	19.054	ug/l	98

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

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