

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051222\
 Data File : VD072947.D
 Acq On : 12 May 2022 14:57
 Operator : VA/SY
 Sample : VD0512SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/13/2022
 Supervised By : Mahesh Dadoda 05/13/2022

Quant Time: May 13 05:54:27 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	338390	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	539717	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	509479	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	265157	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	181081	41.224	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	82.440%		
35) Dibromofluoromethane	7.908	113	185323	48.892	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.780%		
50) Toluene-d8	10.332	98	676416	49.748	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.500%		
62) 4-Bromofluorobenzene	12.620	95	251874	49.680	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.360%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	79787	17.063	ug/l	99
3) Chloromethane	2.209	50	72304	14.868	ug/l	99
4) Vinyl Chloride	2.350	62	69955	16.031	ug/l	93
5) Bromomethane	2.750	94	49459	17.420	ug/l	97
6) Chloroethane	2.915	64	43305	15.923	ug/l	94
7) Trichlorofluoromethane	3.268	101	136015	17.800	ug/l	98
8) Diethyl Ether	3.715	74	34580	15.785	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.091	101	82449	18.175	ug/l	97
10) Methyl Iodide	4.297	142	67877	14.909	ug/l	99
11) Tert butyl alcohol	5.173	59	64968	170.947	ug/l #	74
12) 1,1-Dichloroethene	4.062	96	70731	17.335	ug/l	92
13) Acrolein	3.920	56	19705	61.986	ug/l	100
14) Allyl chloride	4.709	41	106241	16.127	ug/l	94
15) Acrylonitrile	5.414	53	84353	81.024	ug/l	96
16) Acetone	4.156	43	68682	73.707	ug/l	98
17) Carbon Disulfide	4.403	76	197798	15.417	ug/l	98
18) Methyl Acetate	4.720	43	44659	18.529	ug/l	95
19) Methyl tert-butyl Ether	5.473	73	159311	16.286	ug/l	98
20) Methylene Chloride	4.956	84	109002	16.535	ug/l	89
21) trans-1,2-Dichloroethene	5.467	96	80672	17.239	ug/l	87
22) Diisopropyl ether	6.361	45	245612	16.949	ug/l	92
23) Vinyl Acetate	6.303	43	618890	77.310	ug/l #	94
24) 1,1-Dichloroethane	6.261	63	150419	17.277	ug/l	99
25) 2-Butanone	7.208	43	103038	80.508	ug/l	91
26) 2,2-Dichloropropane	7.208	77	131590	17.878	ug/l	99
27) cis-1,2-Dichloroethene	7.203	96	89274	16.656	ug/l	95
28) Bromochloromethane	7.538	49	54021	16.638	ug/l	84
29) Tetrahydrofuran	7.556	42	62769	76.943	ug/l	94
30) Chloroform	7.703	83	156757	17.016	ug/l	96
31) Cyclohexane	7.979	56	130399	16.982	ug/l #	88
32) 1,1,1-Trichloroethane	7.897	97	140995	17.958	ug/l	97
36) 1,1-Dichloropropene	8.108	75	116048	18.828	ug/l	97
37) Ethyl Acetate	7.291	43	46093	16.268	ug/l #	78
38) Carbon Tetrachloride	8.097	117	126239	19.731	ug/l	93
39) Methylcyclohexane	9.350	83	131902	18.450	ug/l	97
40) Benzene	8.344	78	331047	18.599	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	26187m	15.522	ug/l	
42) 1,2-Dichloroethane	8.420	62	96055	17.908	ug/l	94
43) Isopropyl Acetate	8.450	43	93519	17.883	ug/l	95
44) Trichloroethene	9.108	130	89887	18.877	ug/l	100
45) 1,2-Dichloropropane	9.379	63	85771	18.349	ug/l	96
46) Dibromomethane	9.467	93	46637	18.087	ug/l	97
47) Bromodichloromethane	9.655	83	124623	18.788	ug/l	100
48) Methyl methacrylate	9.450	41	45142	17.645	ug/l	91
49) 1,4-Dioxane	9.455	88	9671	333.072	ug/l	100
51) 4-Methyl-2-Pentanone	10.220	43	235669	86.724	ug/l	94
52) Toluene	10.397	92	211793	19.075	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	108232	17.764	ug/l	100
54) cis-1,3-Dichloropropene	10.079	75	129100	18.238	ug/l	92
55) 1,1,2-Trichloroethane	10.791	97	64596	18.532	ug/l	94
56) Ethyl methacrylate	10.649	69	72565	17.681	ug/l #	85
57) 1,3-Dichloropropane	10.938	76	109014	18.225	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	170798	85.835	ug/l	99
59) 2-Hexanone	10.973	43	157295	86.022	ug/l	95
60) Dibromochloromethane	11.132	129	81082	18.478	ug/l	98
61) 1,2-Dibromoethane	11.238	107	61076	18.002	ug/l	100
64) Tetrachloroethene	10.867	164	73397	19.704	ug/l	90
65) Chlorobenzene	11.661	112	229691	19.492	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	85177	19.233	ug/l	98
67) Ethyl Benzene	11.738	91	396866	19.460	ug/l	96
68) m/p-Xylenes	11.844	106	314335	40.014	ug/l	99
69) o-Xylene	12.173	106	143202	19.519	ug/l	98
70) Styrene	12.185	104	251882	19.815	ug/l	99
71) Bromoform	12.349	173	44875	18.697	ug/l #	94
73) Isopropylbenzene	12.467	105	392518	19.027	ug/l	100
74) N-amyl acetate	12.273	43	85683	16.678	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.714	83	73521	17.655	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	51746m	17.501	ug/l	
77) Bromobenzene	12.749	156	90787	18.532	ug/l	94
78) n-propylbenzene	12.808	91	492698	18.949	ug/l	98
79) 2-Chlorotoluene	12.896	91	280133	18.444	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	338220	19.335	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	21507	16.727	ug/l #	88
82) 4-Chlorotoluene	12.991	91	295337	18.610	ug/l	99
83) tert-Butylbenzene	13.208	119	290408	19.527	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	330320	18.891	ug/l	99
85) sec-Butylbenzene	13.385	105	441908	19.701	ug/l	100
86) p-Isopropyltoluene	13.502	119	357461	19.437	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	189451	19.197	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	187358	19.064	ug/l	98
89) n-Butylbenzene	13.826	91	345724	19.406	ug/l	99
90) Hexachloroethane	14.096	117	71461	18.968	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	162397	18.882	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.485	75	11218	16.993	ug/l	93
93) 1,2,4-Trichlorobenzene	15.143	180	95451	18.739	ug/l	99
94) Hexachlorobutadiene	15.249	225	52982	19.046	ug/l	97
95) Naphthalene	15.379	128	159800	17.064	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	81055	17.951	ug/l	96

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

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