

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020122\
 Data File : VD071863.D
 Acq On : 01 Feb 2022 11:00
 Operator : VA/SY
 Sample : VD0201SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0201SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/02/2022
 Supervised By : Semsettin Yesilyurt 02/02/2022

Quant Time: Feb 02 07:04:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 27 06:04:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	380705	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	630586	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	567322	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	266971	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	248315	51.604	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.200%			
35) Dibromofluoromethane	7.920	113	221172	53.358	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.720%			
50) Toluene-d8	10.338	98	857399	55.387	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 110.780%			
62) 4-Bromofluorobenzene	12.626	95	279142	51.636	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.280%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	98033	21.715	ug/l	96
3) Chloromethane	2.215	50	111608	20.649	ug/l	99
4) Vinyl Chloride	2.356	62	114618	20.255	ug/l	95
5) Bromomethane	2.773	94	80780	21.636	ug/l	91
6) Chloroethane	2.926	64	76795	21.415	ug/l	93
7) Trichlorofluoromethane	3.285	101	165578	20.417	ug/l	95
8) Diethyl Ether	3.720	74	37714	17.625	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.103	101	94888	20.740	ug/l	99
10) Methyl Iodide	4.309	142	76880	16.391	ug/l	96
11) Tert butyl alcohol	5.226	59	19362	31.168	ug/l	99
12) 1,1-Dichloroethene	4.079	96	84919	20.303	ug/l	97
13) Acrolein	3.926	56	39542	92.519	ug/l	96
14) Allyl chloride	4.720	41	155043	19.447	ug/l	99
15) Acrylonitrile	5.426	53	95116	87.460	ug/l	95
16) Acetone	4.156	43	95980	72.866	ug/l	95
17) Carbon Disulfide	4.420	76	284942	19.538	ug/l	99
18) Methyl Acetate	4.726	43	45737	16.060	ug/l	96
19) Methyl tert-butyl Ether	5.485	73	178565	17.846	ug/l	97
20) Methylene Chloride	4.973	84	96245	17.594	ug/l	92
21) trans-1,2-Dichloroethene	5.485	96	94294	19.366	ug/l	94
22) Diisopropyl ether	6.367	45	303400	19.416	ug/l	98
23) Vinyl Acetate	6.314	43	768119	89.108	ug/l	96
24) 1,1-Dichloroethane	6.273	63	184573	20.266	ug/l	98
25) 2-Butanone	7.214	43	123667	80.534	ug/l	96
26) 2,2-Dichloropropane	7.214	77	149970	19.898	ug/l	98
27) cis-1,2-Dichloroethene	7.214	96	103457	19.783	ug/l	97
28) Bromochloromethane	7.556	49	60277	17.547	ug/l	96
29) Tetrahydrofuran	7.561	42	74346	81.826	ug/l	98
30) Chloroform	7.708	83	185395	19.925	ug/l	99
31) Cyclohexane	7.985	56	179604	19.551	ug/l	95
32) 1,1,1-Trichloroethane	7.908	97	161878	19.724	ug/l	97
36) 1,1-Dichloropropene	8.114	75	146189	20.549	ug/l	99
37) Ethyl Acetate	7.291	43	54133	16.366	ug/l	98
38) Carbon Tetrachloride	8.103	117	145265	20.647	ug/l	95
39) Methylcyclohexane	9.355	83	164660	19.975	ug/l	93
40) Benzene	8.350	78	391048	20.363	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	35477m	18.959	ug/l	
42) 1,2-Dichloroethane	8.426	62	116409	19.196	ug/l	99
43) Isopropyl Acetate	8.455	43	103731	17.449	ug/l	100
44) Trichloroethene	9.114	130	99350	20.036	ug/l	99
45) 1,2-Dichloropropane	9.385	63	100039	20.203	ug/l	95
46) Dibromomethane	9.473	93	50110	19.327	ug/l	97
47) Bromodichloromethane	9.661	83	135302	19.732	ug/l	97
48) Methyl methacrylate	9.461	41	52786	16.778	ug/l	96
49) 1,4-Dioxane	9.461	88	8642	292.022	ug/l #	91
51) 4-Methyl-2-Pentanone	10.226	43	262067	84.239	ug/l	98
52) Toluene	10.402	92	245227	20.535	ug/l	100
53) t-1,3-Dichloropropene	10.620	75	118319	18.787	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	142864	19.352	ug/l	98
55) 1,1,2-Trichloroethane	10.797	97	63639	18.494	ug/l	97
56) Ethyl methacrylate	10.661	69	72933	17.119	ug/l	97
57) 1,3-Dichloropropane	10.944	76	116644	18.988	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	176590	88.048	ug/l	99
59) 2-Hexanone	10.979	43	181647	80.447	ug/l	97
60) Dibromochloromethane	11.138	129	80869	19.031	ug/l	98
61) 1,2-Dibromoethane	11.244	107	60911	18.372	ug/l	99
64) Tetrachloroethene	10.873	164	83830	20.890	ug/l	99
65) Chlorobenzene	11.667	112	247202	20.597	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	87549	20.051	ug/l	97
67) Ethyl Benzene	11.738	91	452014	20.467	ug/l	97
68) m/p-Xylenes	11.849	106	354351	42.184	ug/l	100
69) o-Xylene	12.179	106	156423	20.491	ug/l	98
70) Styrene	12.191	104	267788	20.352	ug/l	99
71) Bromoform	12.349	173	41545	17.821	ug/l #	99
73) Isopropylbenzene	12.473	105	428415	20.724	ug/l	100
74) N-amyl acetate	12.285	43	94117	18.513	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	70301	18.376	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	52058m	18.503	ug/l	
77) Bromobenzene	12.755	156	88321	19.206	ug/l	99
78) n-propylbenzene	12.814	91	541168	20.877	ug/l	100
79) 2-Chlorotoluene	12.902	91	300618	20.465	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	363484	21.198	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	19016	16.618	ug/l	94
82) 4-Chlorotoluene	12.996	91	319161	20.884	ug/l	98
83) tert-Butylbenzene	13.214	119	300801	21.167	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	352303	20.887	ug/l	99
85) sec-Butylbenzene	13.391	105	467907	21.043	ug/l	100
86) p-Isopropyltoluene	13.508	119	381208	21.098	ug/l	98
87) 1,3-Dichlorobenzene	13.508	146	185953	19.914	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	185707	19.927	ug/l	99
89) n-Butylbenzene	13.832	91	371239	20.941	ug/l	98
90) Hexachloroethane	14.096	117	76693	21.354	ug/l	95
91) 1,2-Dichlorobenzene	13.879	146	157121	19.662	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.496	75	10872	17.160	ug/l	97
93) 1,2,4-Trichlorobenzene	15.149	180	86610	18.553	ug/l	100
94) Hexachlorobutadiene	15.255	225	53011	20.826	ug/l	98
95) Naphthalene	15.385	128	143810	16.510	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	77257	19.308	ug/l	98

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

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