

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021422\
 Data File : VD071950.D
 Acq On : 14 Feb 2022 11:56
 Operator : VA/SY
 Sample : VD0214SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0214SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/15/2022
 Supervised By : Semsettin Yesilyurt 02/15/2022

Quant Time: Feb 15 00:33:52 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	7.979	168	342790	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	569944	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	527033	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	264269	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	214817	49.581	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.160%		
35) Dibromofluoromethane	7.914	113	201752	53.852	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	107.700%		
50) Toluene-d8	10.338	98	718238	51.334	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	102.660%		
62) 4-Bromofluorobenzene	12.626	95	252746	51.728	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	103.460%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	82472	20.288	ug/l	97
3) Chloromethane	2.215	50	84221	17.305	ug/l	97
4) Vinyl Chloride	2.356	62	91946	18.046	ug/l	98
5) Bromomethane	2.762	94	63614	18.922	ug/l	95
6) Chloroethane	2.926	64	60179	18.637	ug/l	99
7) Trichlorofluoromethane	3.279	101	138596	18.981	ug/l	95
8) Diethyl Ether	3.709	74	34867	18.097	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.103	101	82174	19.947	ug/l	99
10) Methyl Iodide	4.309	142	69697	16.503	ug/l	97
11) Tert butyl alcohol	5.215	59	20468m	45.267	ug/l	
12) 1,1-Dichloroethene	4.079	96	70919	18.831	ug/l	95
13) Acrolein	3.921	56	39186	101.827	ug/l	99
14) Allyl chloride	4.715	41	134506	18.737	ug/l	99
15) Acrylonitrile	5.426	53	94184	96.182	ug/l	98
16) Acetone	4.156	43	93404	78.753	ug/l	96
17) Carbon Disulfide	4.421	76	192742	14.678	ug/l	98
18) Methyl Acetate	4.721	43	47921	18.688	ug/l	93
19) Methyl tert-butyl Ether	5.479	73	168760	18.732	ug/l	99
20) Methylene Chloride	4.973	84	86070	17.447	ug/l #	95
21) trans-1,2-Dichloroethene	5.473	96	81027	18.482	ug/l	92
22) Diisopropyl ether	6.367	45	283350	20.139	ug/l	96
23) Vinyl Acetate	6.309	43	711576	91.679	ug/l	98
24) 1,1-Dichloroethane	6.267	63	171037	20.856	ug/l	98
25) 2-Butanone	7.214	43	123929	89.632	ug/l #	89
26) 2,2-Dichloropropane	7.209	77	140433	20.694	ug/l	98
27) cis-1,2-Dichloroethene	7.209	96	91463	19.424	ug/l	99
28) Bromochloromethane	7.544	49	50960	16.475	ug/l	100
29) Tetrahydrofuran	7.556	42	73338	89.645	ug/l	98
30) Chloroform	7.709	83	169925	20.282	ug/l	96
31) Cyclohexane	7.991	56	141255	17.077	ug/l	97
32) 1,1,1-Trichloroethane	7.903	97	147815	20.003	ug/l	98
36) 1,1-Dichloropropene	8.114	75	124973	19.436	ug/l	99
37) Ethyl Acetate	7.297	43	53074	17.753	ug/l	98
38) Carbon Tetrachloride	8.097	117	125136	19.679	ug/l	96
39) Methylcyclohexane	9.356	83	133439	17.910	ug/l	96
40) Benzene	8.356	78	344684	19.858	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	34043	20.128	ug/l	98
42) 1,2-Dichloroethane	8.426	62	108517	19.799	ug/l	100
43) Isopropyl Acetate	8.450	43	102603	19.095	ug/l	97
44) Trichloroethene	9.108	130	84895	18.943	ug/l	100
45) 1,2-Dichloropropane	9.385	63	92130	20.585	ug/l	93
46) Dibromomethane	9.473	93	45862	19.571	ug/l	98
47) Bromodichloromethane	9.656	83	129280	20.860	ug/l	97
48) Methyl methacrylate	9.456	41	46829	16.468	ug/l #	85
49) 1,4-Dioxane	9.461	88	10057	375.995	ug/l #	92
51) 4-Methyl-2-Pentanone	10.226	43	270534	96.214	ug/l	99
52) Toluene	10.403	92	211192	19.567	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	112548	19.772	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	132325	19.832	ug/l	97
55) 1,1,2-Trichloroethane	10.797	97	66156	21.271	ug/l	94
56) Ethyl methacrylate	10.655	69	70985	18.434	ug/l	98
57) 1,3-Dichloropropane	10.938	76	109289	19.683	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	177193	97.749	ug/l	98
59) 2-Hexanone	10.979	43	182050	89.204	ug/l	98
60) Dibromochloromethane	11.132	129	78635	20.475	ug/l	97
61) 1,2-Dibromoethane	11.244	107	56729	18.932	ug/l	93
64) Tetrachloroethene	10.873	164	70018	18.782	ug/l	91
65) Chlorobenzene	11.667	112	226932	20.353	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.738	131	86135	21.235	ug/l	98
67) Ethyl Benzene	11.738	91	401929	19.591	ug/l	99
68) m/p-Xylenes	11.850	106	304971	39.081	ug/l	97
69) o-Xylene	12.173	106	138508	19.531	ug/l	100
70) Styrene	12.191	104	248241	20.309	ug/l	99
71) Bromoform	12.355	173	43610	20.136	ug/l #	99
73) Isopropylbenzene	12.473	105	385375	18.832	ug/l	99
74) N-amyl acetate	12.279	43	94351	18.748	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	72400	19.119	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	50352m	18.079	ug/l	
77) Bromobenzene	12.755	156	85854	18.860	ug/l	98
78) n-propylbenzene	12.814	91	492347	19.188	ug/l	99
79) 2-Chlorotoluene	12.897	91	276447	19.012	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	335887	19.789	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	19646	17.344	ug/l	99
82) 4-Chlorotoluene	12.997	91	297033	19.634	ug/l	99
83) tert-Butylbenzene	13.214	119	271695	19.315	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	333416	19.969	ug/l	99
85) sec-Butylbenzene	13.391	105	430573	19.562	ug/l	99
86) p-Isopropyltoluene	13.508	119	350483	19.596	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	178676	19.330	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	176254	19.106	ug/l	98
89) n-Butylbenzene	13.832	91	347236	19.788	ug/l	99
90) Hexachloroethane	14.096	117	72041	20.263	ug/l	96
91) 1,2-Dichlorobenzene	13.879	146	158526	20.041	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.496	75	11024	17.578	ug/l	91
93) 1,2,4-Trichlorobenzene	15.143	180	86746	18.772	ug/l	99
94) Hexachlorobutadiene	15.255	225	51368	20.387	ug/l	99
95) Naphthalene	15.385	128	148856	17.197	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	77504	19.568	ug/l	97

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

