

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021422\
 Data File : VD071949.D
 Acq On : 14 Feb 2022 11:29
 Operator : VA/SY
 Sample : VD0214SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0214SBS01

Quant Time: Feb 15 00:33:08 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	350910	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	588482	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	556755	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	273142	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	234576	52.888	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.780%			
35) Dibromofluoromethane	7.914	113	211996	54.804	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.600%			
50) Toluene-d8	10.337	98	765021	52.955	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.900%			
62) 4-Bromofluorobenzene	12.626	95	277033	54.913	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 109.820%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	83329	20.025	ug/l	100
3) Chloromethane	2.214	50	89074	17.879	ug/l	98
4) Vinyl Chloride	2.356	62	93774	17.979	ug/l	98
5) Bromomethane	2.767	94	67706	19.674	ug/l	89
6) Chloroethane	2.920	64	63054	19.076	ug/l	98
7) Trichlorofluoromethane	3.279	101	146947	19.659	ug/l	99
8) Diethyl Ether	3.714	74	36720	18.618	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.097	101	86894	20.605	ug/l	99
10) Methyl Iodide	4.302	142	69386	16.049	ug/l	100
11) Tert butyl alcohol	5.208	59	21917	49.644	ug/l	96
12) 1,1-Dichloroethene	4.067	96	74238	19.257	ug/l	97
13) Acrolein	3.920	56	39158	99.400	ug/l	100
14) Allyl chloride	4.714	41	139372	18.966	ug/l	99
15) Acrylonitrile	5.426	53	101552	101.307	ug/l	97
16) Acetone	4.161	43	106451	87.677	ug/l	95
17) Carbon Disulfide	4.414	76	197282	14.676	ug/l	99
18) Methyl Acetate	4.720	43	53906	20.535	ug/l	99
19) Methyl tert-butyl Ether	5.479	73	182847	19.826	ug/l	95
20) Methylene Chloride	4.961	84	88738	17.600	ug/l	94
21) trans-1,2-Dichloroethene	5.479	96	82710	18.429	ug/l	98
22) Diisopropyl ether	6.367	45	307080	21.321	ug/l	96
23) Vinyl Acetate	6.308	43	767367	96.579	ug/l	97
24) 1,1-Dichloroethane	6.267	63	176300	21.001	ug/l	97
25) 2-Butanone	7.208	43	132595	93.680	ug/l	96
26) 2,2-Dichloropropane	7.208	77	145032	20.877	ug/l	100
27) cis-1,2-Dichloroethene	7.208	96	96692	20.059	ug/l	99
28) Bromochloromethane	7.543	49	56316	17.785	ug/l	97
29) Tetrahydrofuran	7.561	42	80333	95.923	ug/l	99
30) Chloroform	7.702	83	182111	21.233	ug/l	92
31) Cyclohexane	7.985	56	147954	17.473	ug/l #	95
32) 1,1,1-Trichloroethane	7.902	97	157363	20.802	ug/l	96
36) 1,1-Dichloropropene	8.114	75	126432	19.043	ug/l	98
37) Ethyl Acetate	7.291	43	57897	18.756	ug/l	97
38) Carbon Tetrachloride	8.096	117	132512	20.182	ug/l	98
39) Methylcyclohexane	9.355	83	134863	17.531	ug/l	95
40) Benzene	8.349	78	357348	19.939	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	37697	21.587	ug/l	94
42) 1,2-Dichloroethane	8.426	62	118115	20.871	ug/l	99
43) Isopropyl Acetate	8.449	43	111027	20.012	ug/l	97
44) Trichloroethene	9.108	130	91834	19.846	ug/l	97
45) 1,2-Dichloropropane	9.385	63	97134	21.020	ug/l	97
46) Dibromomethane	9.473	93	49126	20.303	ug/l	98
47) Bromodichloromethane	9.655	83	137804	21.535	ug/l	97
48) Methyl methacrylate	9.455	41	56164	19.128	ug/l	95
49) 1,4-Dioxane	9.461	88	9712	351.659	ug/l #	94
51) 4-Methyl-2-Pentanone	10.226	43	295881	101.913	ug/l	98
52) Toluene	10.402	92	226466	20.321	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	118923	20.234	ug/l	95
54) cis-1,3-Dichloropropene	10.085	75	143547	20.836	ug/l	94
55) 1,1,2-Trichloroethane	10.796	97	67978	21.168	ug/l	96
56) Ethyl methacrylate	10.655	69	76424	19.221	ug/l	99
57) 1,3-Dichloropropane	10.943	76	118593	20.686	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.937	63	183855	98.230	ug/l	98
59) 2-Hexanone	10.979	43	206068	97.792	ug/l	95
60) Dibromochloromethane	11.132	129	85123	21.466	ug/l	100
61) 1,2-Dibromoethane	11.237	107	62901	20.330	ug/l	99
64) Tetrachloroethene	10.873	164	75160	19.085	ug/l	98
65) Chlorobenzene	11.667	112	237982	20.205	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.737	131	91375	21.324	ug/l	97
67) Ethyl Benzene	11.737	91	427457	19.723	ug/l	99
68) m/p-Xylenes	11.849	106	323960	39.298	ug/l	97
69) o-Xylene	12.173	106	148550	19.829	ug/l	99
70) Styrene	12.190	104	262559	20.333	ug/l	99
71) Bromoform	12.355	173	46285	20.231	ug/l #	100
73) Isopropylbenzene	12.473	105	398003	18.818	ug/l	99
74) N-amyl acetate	12.278	43	101752	19.562	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.726	83	78177	19.973	ug/l	97
76) 1,2,3-Trichloropropane	12.773	75	54130m	18.804	ug/l	
77) Bromobenzene	12.755	156	93423	19.857	ug/l	95
78) n-propylbenzene	12.814	91	517869	19.527	ug/l	100
79) 2-Chlorotoluene	12.902	91	290587	19.335	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	360263	20.536	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	20963	17.906	ug/l	95
82) 4-Chlorotoluene	12.996	91	310218	19.840	ug/l	99
83) tert-Butylbenzene	13.214	119	282293	19.416	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	354032	20.515	ug/l	100
85) sec-Butylbenzene	13.390	105	450838	19.818	ug/l	100
86) p-Isopropyltoluene	13.508	119	365509	19.772	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	193114	20.213	ug/l	99
88) 1,4-Dichlorobenzene	13.584	146	191508	20.085	ug/l	100
89) n-Butylbenzene	13.831	91	361882	19.952	ug/l	99
90) Hexachloroethane	14.096	117	79069	21.518	ug/l	96
91) 1,2-Dichlorobenzene	13.878	146	163802	20.035	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	13030	20.101	ug/l	91
93) 1,2,4-Trichlorobenzene	15.149	180	92695	19.408	ug/l	99
94) Hexachlorobutadiene	15.255	225	54310	20.854	ug/l	98
95) Naphthalene	15.384	128	159680	17.794	ug/l	99
96) 1,2,3-Trichlorobenzene	15.578	180	81765	19.973	ug/l	98

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

