

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102021\
 Data File : VD070768.D
 Acq On : 20 Oct 2021 11:37
 Operator : VA/SY
 Sample : VD1020SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1020SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/21/2021 6:54:39 PM

Quant Time: Oct 21 05:36:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 18 08:32:03 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	402063	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	686787	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	661630	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	326824	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	250032	52.50	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.00%
35) Dibromofluoromethane	7.909	113	222674	50.64	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.28%
50) Toluene-d8	10.332	98	852279	50.56	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.12%
62) 4-Bromofluorobenzene	12.620	95	301096	51.87	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	103.74%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	82717	17.60	ug/l	96
3) Chloromethane	2.209	50	132509	19.00	ug/l	96
4) Vinyl Chloride	2.350	62	127782	17.88	ug/l	95
5) Bromomethane	2.756	94	86323	19.81	ug/l	100
6) Chloroethane	2.915	64	86105	19.13	ug/l	99
7) Trichlorofluoromethane	3.268	101	149863	18.55	ug/l	96
8) Diethyl Ether	3.709	74	39797	18.49	ug/l	73
9) 1,1,2-Trichlorotrifluo...	4.085	101	92117	19.06	ug/l	98
10) Methyl Iodide	4.297	142	72693	16.86	ug/l	99
11) Tert butyl alcohol	5.226	59	23867	89.53	ug/l	99
12) 1,1-Dichloroethene	4.068	96	77986	17.84	ug/l	89
13) Acrolein	3.926	56	23985	92.96	ug/l	99
14) Allyl chloride	4.715	41	149647	18.09	ug/l #	92
15) Acrylonitrile	5.420	53	109016	96.17	ug/l	99
16) Acetone	4.156	43	102662	89.38	ug/l	95
17) Carbon Disulfide	4.409	76	284766	17.88	ug/l	100
18) Methyl Acetate	4.721	43	73857	18.50	ug/l #	87
19) Methyl tert-butyl Ether	5.473	73	180194	19.07	ug/l	96
20) Methylene Chloride	4.956	84	138406	20.06	ug/l	91
21) trans-1,2-Dichloroethene	5.468	96	95617	19.07	ug/l	89
22) Diisopropyl ether	6.362	45	327409	20.33	ug/l #	93
23) Vinyl Acetate	6.303	43	707521	93.81	ug/l #	91
24) 1,1-Dichloroethane	6.262	63	197943	19.73	ug/l	98
25) 2-Butanone	7.215	43	129135	91.01	ug/l	91
26) 2,2-Dichloropropane	7.203	77	157966	19.90	ug/l	99
27) cis-1,2-Dichloroethene	7.209	96	104168	19.38	ug/l	89
28) Bromochloromethane	7.544	49	88824	22.27	ug/l #	83
29) Tetrahydrofuran	7.562	42	79902	91.98	ug/l #	83
30) Chloroform	7.703	83	198539	20.25	ug/l	100
31) Cyclohexane	7.979	56	164713	17.10	ug/l	94
32) 1,1,1-Trichloroethane	7.897	97	162581	19.55	ug/l	95
36) 1,1-Dichloropropene	8.109	75	143757	18.79	ug/l	97
37) Ethyl Acetate	7.285	43	62008	19.56	ug/l #	92
38) Carbon Tetrachloride	8.097	117	142988	19.51	ug/l	95
39) Methylcyclohexane	9.350	83	145066	16.81	ug/l #	82
40) Benzene	8.350	78	420631	19.09	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	32118	17.39	ug/l #	89
42) 1,2-Dichloroethane	8.420	62	122486	19.59	ug/l	96
43) Isopropyl Acetate	8.450	43	115870	19.16	ug/l #	93
44) Trichloroethene	9.109	130	97544	18.85	ug/l	93
45) 1,2-Dichloropropane	9.379	63	114431	19.66	ug/l	98
46) Dibromomethane	9.473	93	54833	19.67	ug/l	96
47) Bromodichloromethane	9.656	83	145028	19.61	ug/l	94
48) Methyl methacrylate	9.450	41	54548	18.42	ug/l	84
49) 1,4-Dioxane	9.450	88	12183	406.98	ug/l	96
51) 4-Methyl-2-Pentanone	10.220	43	299748	94.05	ug/l	89
52) Toluene	10.397	92	259390	19.77	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	127507	19.30	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	152860	19.33	ug/l #	84
55) 1,1,2-Trichloroethane	10.791	97	77764	20.31	ug/l	94
56) Ethyl methacrylate	10.650	69	84474	19.02	ug/l #	82
57) 1,3-Dichloropropane	10.938	76	134264	19.76	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.938	63	203742	101.03	ug/l	94
59) 2-Hexanone	10.973	43	209676	93.47	ug/l	86
60) Dibromochloromethane	11.132	129	88166	20.04	ug/l	99
61) 1,2-Dibromoethane	11.238	107	70180	20.03	ug/l	98
64) Tetrachloroethene	10.867	164	82005	18.44	ug/l	91
65) Chlorobenzene	11.661	112	266142	19.61	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.732	131	95596	19.04	ug/l	97
67) Ethyl Benzene	11.738	91	453127	18.26	ug/l	98
68) m/p-Xylenes	11.844	106	357430	38.03	ug/l	97
69) o-Xylene	12.173	106	154316	18.10	ug/l	93
70) Styrene	12.185	104	282198	19.04	ug/l	96
71) Bromoform	12.350	173	49405	18.95	ug/l #	97
73) Isopropylbenzene	12.467	105	408458	17.54	ug/l	99
74) N-amyl acetate	12.279	43	111410	18.38	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.720	83	88304	19.17	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	66957m	23.71	ug/l	
77) Bromobenzene	12.750	156	102699	19.48	ug/l	98
78) n-propylbenzene	12.808	91	544589	17.99	ug/l	99
79) 2-Chlorotoluene	12.897	91	322864	18.46	ug/l	99
80) 1,3,5-Trimethylbenzene	12.950	105	370595	18.83	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.514	75	24621	19.10	ug/l	88
82) 4-Chlorotoluene	12.997	91	350132	18.92	ug/l	99
83) tert-Butylbenzene	13.214	119	284987	17.52	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	367301	18.77	ug/l	99
85) sec-Butylbenzene	13.391	105	453988	17.76	ug/l	99
86) p-Isopropyltoluene	13.502	119	372473	18.12	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	207842	18.77	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	209492	19.16	ug/l	100
89) n-Butylbenzene	13.832	91	361920	17.45	ug/l	96
90) Hexachloroethane	14.097	117	80789	18.21	ug/l	88
91) 1,2-Dichlorobenzene	13.873	146	178576	18.87	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.491	75	13588	18.49	ug/l	90
93) 1,2,4-Trichlorobenzene	15.149	180	96658	17.86	ug/l	98
94) Hexachlorobutadiene	15.255	225	62125	17.50	ug/l	98
95) Naphthalene	15.385	128	155471	18.08	ug/l	98
96) 1,2,3-Trichlorobenzene	15.573	180	83851	17.44	ug/l	95

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

