

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051221\
 Data File : VD069138.D
 Acq On : 12 May 2021 15:28
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD051221

Manual Integrations
 APPROVED

MMDadoda
 5/13/2021 4:05:56 PM

Quant Time: May 13 04:04:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 13 04:01:29 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	347486	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	553057	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	508140	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	242547	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	155442	44.62	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.24%
35) Dibromofluoromethane	7.914	113	170514	47.38	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.76%
50) Toluene-d8	10.338	98	640145	48.41	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.82%
62) 4-Bromofluorobenzene	12.626	95	201064	47.25	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	94.50%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	170749	46.22	ug/l	97
3) Chloromethane	2.209	50	190773	44.93	ug/l	100
4) Vinyl Chloride	2.350	62	247899	44.29	ug/l	95
5) Bromomethane	2.773	94	193804	46.03	ug/l	95
6) Chloroethane	2.926	64	164882	45.80	ug/l	99
7) Trichlorofluoromethane	3.273	101	310262	45.44	ug/l	97
8) Diethyl Ether	3.709	74	74109	47.54	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.103	101	178325	46.08	ug/l	99
10) Methyl Iodide	4.303	142	183969	45.76	ug/l	98
11) Tert butyl alcohol	5.214	59	45662	252.67	ug/l	98
12) 1,1-Dichloroethene	4.067	96	169645	48.80	ug/l	97
13) Acrolein	3.926	56	62103	219.11	ug/l	100
14) Allyl chloride	4.720	41	187059	49.05	ug/l	99
15) Acrylonitrile	5.420	53	132119	227.10	ug/l	99
16) Acetone	4.162	43	144339	270.54	ug/l	98
17) Carbon Disulfide	4.409	76	543650	47.17	ug/l	97
18) Methyl Acetate	4.720	43	56502	43.59	ug/l	96
19) Methyl tert-butyl Ether	5.479	73	301549	47.80	ug/l	99
20) Methylene Chloride	4.967	84	209993	48.02	ug/l	93
21) trans-1,2-Dichloroethene	5.473	96	200220	48.57	ug/l	99
22) Diisopropyl ether	6.361	45	369129	48.46	ug/l	94
23) Vinyl Acetate	6.303	43	1112868	247.58	ug/l	100
24) 1,1-Dichloroethane	6.267	63	313959	47.72	ug/l	99
25) 2-Butanone	7.208	43	172241	238.24	ug/l	93
26) 2,2-Dichloropropane	7.208	77	297268	48.31	ug/l	100
27) cis-1,2-Dichloroethene	7.214	96	214158	47.85	ug/l	96
28) Bromochloromethane	7.544	49	108267	46.16	ug/l	99
29) Tetrahydrofuran	7.561	42	91447	232.69	ug/l	99
30) Chloroform	7.708	83	342985	46.30	ug/l	94
31) Cyclohexane	7.985	56	244650	47.39	ug/l	95
32) 1,1,1-Trichloroethane	7.902	97	321760	47.87	ug/l	99
36) 1,1-Dichloropropene	8.114	75	272524	50.69	ug/l	99
37) Ethyl Acetate	7.291	43	76668	44.38	ug/l	96
38) Carbon Tetrachloride	8.097	117	294411	48.98	ug/l	97
39) Methylcyclohexane	9.355	83	296809	52.33	ug/l	95
40) Benzene	8.350	78	748531	48.60	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	43118m	46.89	ug/l	
42) 1,2-Dichloroethane	8.420	62	193442	46.00	ug/l	97
43) Isopropyl Acetate	8.450	43	149554	47.67	ug/l	99
44) Trichloroethene	9.114	130	211255	49.08	ug/l	94
45) 1,2-Dichloropropane	9.391	63	171809	47.26	ug/l	95
46) Dibromomethane	9.473	93	100545	46.27	ug/l	99
47) Bromodichloromethane	9.661	83	257370	46.54	ug/l	96
48) Methyl methacrylate	9.455	41	69545	47.94	ug/l	98
49) 1,4-Dioxane	9.461	88	19626	924.14	ug/l	95
51) 4-Methyl-2-Pentanone	10.226	43	389825	241.52	ug/l	100
52) Toluene	10.402	92	494033	49.70	ug/l	97
53) t-1,3-Dichloropropene	10.620	75	230464	47.43	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	279061	48.04	ug/l	98
55) 1,1,2-Trichloroethane	10.802	97	135050	46.11	ug/l	94
56) Ethyl methacrylate	10.661	69	149922	47.00	ug/l	99
57) 1,3-Dichloropropane	10.944	76	225220	47.58	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	370345	255.41	ug/l	100
59) 2-Hexanone	10.985	43	279043	259.08	ug/l	100
60) Dibromochloromethane	11.138	129	174184	46.30	ug/l	97
61) 1,2-Dibromoethane	11.243	107	130162	44.96	ug/l	96
64) Tetrachloroethene	10.873	164	173152	49.03	ug/l	99
65) Chlorobenzene	11.667	112	517632	49.15	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.743	131	191105	48.12	ug/l	99
67) Ethyl Benzene	11.743	91	940807	51.91	ug/l	95
68) m/p-Xylenes	11.855	106	734493	103.41	ug/l	97
69) o-Xylene	12.179	106	331097	52.42	ug/l	100
70) Styrene	12.191	104	579415	52.55	ug/l	99
71) Bromoform	12.361	173	96780	46.85	ug/l #	99
73) Isopropylbenzene	12.479	105	920546	54.30	ug/l	99
74) N-amyl acetate	12.285	43	141808	51.15	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.726	83	143360	46.67	ug/l	100
76) 1,2,3-Trichloropropane	12.779	75	96210m	52.77	ug/l	
77) Bromobenzene	12.755	156	205757	51.15	ug/l	99
78) n-propylbenzene	12.814	91	1115272	54.52	ug/l	100
79) 2-Chlorotoluene	12.902	91	590015	51.85	ug/l	99
80) 1,3,5-Trimethylbenzene	12.955	105	762086	54.52	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.526	75	43912	48.65	ug/l	99
82) 4-Chlorotoluene	13.002	91	619115	51.06	ug/l	100
83) tert-Butylbenzene	13.220	119	663442	56.96	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	754844	53.68	ug/l	99
85) sec-Butylbenzene	13.396	105	957335	54.66	ug/l	99
86) p-Isopropyltoluene	13.508	119	851029	55.30	ug/l	100
87) 1,3-Dichlorobenzene	13.514	146	410407	50.41	ug/l	100
88) 1,4-Dichlorobenzene	13.590	146	395441	49.04	ug/l	99
89) n-Butylbenzene	13.837	91	792661	55.28	ug/l	100
90) Hexachloroethane	14.108	117	145393	50.42	ug/l	100
91) 1,2-Dichlorobenzene	13.885	146	343374	49.11	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	22091	46.33	ug/l	97
93) 1,2,4-Trichlorobenzene	15.155	180	218015	50.88	ug/l	100
94) Hexachlorobutadiene	15.261	225	132727	51.62	ug/l	99
95) Naphthalene	15.396	128	377409	47.64	ug/l	100
96) 1,2,3-Trichlorobenzene	15.590	180	187229	51.08	ug/l	98

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

