

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031521\
 Data File : VD068614.D
 Acq On : 15 Mar 2021 10:53
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/16/2021 10:10:53 AM

Quant Time: Mar 15 14:38:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 26 14:04:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	275245	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	455062	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	410654	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	220744	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	119963	43.62	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.24%		
35) Dibromofluoromethane	7.920	113	132424	48.31	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.62%		
50) Toluene-d8	10.337	98	506644	46.40	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	92.80%		
62) 4-Bromofluorobenzene	12.631	95	167878	47.71	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.42%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	130770	48.96	ug/l	91
3) Chloromethane	2.208	50	159769	47.33	ug/l	95
4) Vinyl Chloride	2.350	62	194761	48.59	ug/l	99
5) Bromomethane	2.767	94	131995	46.25	ug/l	98
6) Chloroethane	2.926	64	124568	48.06	ug/l	100
7) Trichlorofluoromethane	3.279	101	230109	50.32	ug/l	97
8) Diethyl Ether	3.714	74	64801	47.60	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.097	101	144151	51.74	ug/l	93
10) Methyl Iodide	4.302	142	142431	43.14	ug/l	94
11) Tert butyl alcohol	5.226	59	34322	233.75	ug/l	99
12) 1,1-Dichloroethene	4.073	96	133748	48.38	ug/l	93
13) Acrolein	3.926	56	38926	185.49	ug/l	99
14) Allyl chloride	4.714	41	172356	48.29	ug/l	97
15) Acrylonitrile	5.426	53	152399	265.24	ug/l	98
16) Acetone	4.155	43	129975	297.54	ug/l	95
17) Carbon Disulfide	4.408	76	419093	46.28	ug/l	100
18) Methyl Acetate	4.720	43	58398	51.87	ug/l	95
19) Methyl tert-butyl Ether	5.479	73	331581	55.33	ug/l	97
20) Methylene Chloride	4.967	84	156299	47.65	ug/l	92
21) trans-1,2-Dichloroethene	5.479	96	182995	55.45	ug/l	99
22) Diisopropyl ether	6.367	45	374799	47.69	ug/l #	91
23) Vinyl Acetate	6.308	43	993674	243.69	ug/l	97
24) 1,1-Dichloroethane	6.267	63	264219	49.04	ug/l	99
25) 2-Butanone	7.208	43	161150	256.64	ug/l	96
26) 2,2-Dichloropropane	7.214	77	236304	52.65	ug/l	98
27) cis-1,2-Dichloroethene	7.214	96	175108	48.33	ug/l	97
28) Bromochloromethane	7.549	49	99958	47.53	ug/l	82
29) Tetrahydrofuran	7.567	42	96892	237.63	ug/l	99
30) Chloroform	7.714	83	276277	48.56	ug/l	98
31) Cyclohexane	7.985	56	231673	46.32	ug/l	97
32) 1,1,1-Trichloroethane	7.908	97	246936	50.85	ug/l	96
36) 1,1-Dichloropropene	8.114	75	215749	49.88	ug/l	99
37) Ethyl Acetate	7.291	43	65668	45.76	ug/l	98
38) Carbon Tetrachloride	8.096	117	215159	52.94	ug/l	98
39) Methylcyclohexane	9.355	83	274765	51.50	ug/l	96
40) Benzene	8.355	78	610042	49.17	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	34281	41.15	ug/l #	83
42) 1,2-Dichloroethane	8.426	62	161124	49.38	ug/l	99
43) Isopropyl Acetate	8.449	43	135371	51.32	ug/l	98
44) Trichloroethene	9.114	130	167708	49.24	ug/l	97
45) 1,2-Dichloropropane	9.390	63	147389	49.69	ug/l	95
46) Dibromomethane	9.479	93	79718	49.40	ug/l	94
47) Bromodichloromethane	9.661	83	207677	49.75	ug/l	96
48) Methyl methacrylate	9.455	41	70810	50.36	ug/l	96
49) 1,4-Dioxane	9.467	88	18240	991.15	ug/l #	88
51) 4-Methyl-2-Pentanone	10.226	43	361386	261.82	ug/l	97
52) Toluene	10.402	92	407934	51.48	ug/l	97
53) t-1,3-Dichloropropene	10.620	75	193978	50.28	ug/l	99
54) cis-1,3-Dichloropropene	10.090	75	236094	50.16	ug/l	97
55) 1,1,2-Trichloroethane	10.802	97	114083	51.09	ug/l	95
56) Ethyl methacrylate	10.661	69	133060	51.84	ug/l	97
57) 1,3-Dichloropropane	10.949	76	190904	48.98	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.943	63	332435	258.15	ug/l	92
59) 2-Hexanone	10.984	43	261798	284.55	ug/l	98
60) Dibromochloromethane	11.143	129	138798	50.21	ug/l	99
61) 1,2-Dibromoethane	11.243	107	110347	50.49	ug/l	99
64) Tetrachloroethene	10.879	164	142367	53.09	ug/l	96
65) Chlorobenzene	11.667	112	420571	50.29	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.743	131	156427	53.81	ug/l	96
67) Ethyl Benzene	11.743	91	779658	52.23	ug/l	98
68) m/p-Xylenes	11.849	106	599853	105.80	ug/l	100
69) o-Xylene	12.179	106	278688	53.37	ug/l	95
70) Styrene	12.196	104	480187	53.78	ug/l	98
71) Bromoform	12.361	173	80581	54.56	ug/l #	99
73) Isopropylbenzene	12.479	105	774968	47.33	ug/l	100
74) N-amyl acetate	12.284	43	130827	46.91	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.726	83	130074	46.18	ug/l	99
76) 1,2,3-Trichloropropane	12.778	75	93938m	47.94	ug/l	
77) Bromobenzene	12.761	156	178050	47.66	ug/l	93
78) n-propylbenzene	12.820	91	973207	49.75	ug/l	98
79) 2-Chlorotoluene	12.902	91	529433	48.76	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	683597	50.94	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.526	75	41422	49.33	ug/l	96
82) 4-Chlorotoluene	13.002	91	559410	48.97	ug/l	99
83) tert-Butylbenzene	13.220	119	577811	50.57	ug/l	100
84) 1,2,4-Trimethylbenzene	13.267	105	665707	49.54	ug/l	98
85) sec-Butylbenzene	13.396	105	832538	51.59	ug/l	98
86) p-Isopropyltoluene	13.514	119	763221	52.10	ug/l	98
87) 1,3-Dichlorobenzene	13.514	146	362722	50.27	ug/l	100
88) 1,4-Dichlorobenzene	13.590	146	367725	51.44	ug/l	99
89) n-Butylbenzene	13.837	91	777584	55.03	ug/l	98
90) Hexachloroethane	14.108	117	144039	49.47	ug/l	93
91) 1,2-Dichlorobenzene	13.884	146	328671	53.10	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.502	75	23418	47.17	ug/l	86
93) 1,2,4-Trichlorobenzene	15.155	180	215446	45.06	ug/l	99
94) Hexachlorobutadiene	15.261	225	133074	50.15	ug/l	98
95) Naphthalene	15.396	128	418498	48.35	ug/l	99
96) 1,2,3-Trichlorobenzene	15.590	180	201265	48.63	ug/l	97

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

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