

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052121\
 Data File : VD069231.D
 Acq On : 21 May 2021 11:25
 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
 5/24/2021 3:43:50 PM

Quant Time: May 21 12:51:34 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	261463	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	416339	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	424168	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	227941	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	137870	52.60	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.20%			
35) Dibromofluoromethane	7.914	113	142464	52.58	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.16%			
50) Toluene-d8	10.338	98	532870	53.53	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.06%			
62) 4-Bromofluorobenzene	12.626	95	178185	55.62	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 111.24%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	125217	45.04	ug/l	96
3) Chloromethane	2.209	50	159890	50.04	ug/l	98
4) Vinyl Chloride	2.350	62	214198	50.87	ug/l	97
5) Bromomethane	2.762	94	146094	46.12	ug/l	100
6) Chloroethane	2.920	64	145308	53.64	ug/l	97
7) Trichlorofluoromethane	3.267	101	248289	48.33	ug/l	95
8) Diethyl Ether	3.715	74	60503	51.59	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.097	101	145395	49.94	ug/l	98
10) Methyl Iodide	4.303	142	129487	42.87	ug/l	97
11) Tert butyl alcohol	5.232	59	38935	292.36	ug/l	100
12) 1,1-Dichloroethene	4.067	96	132213	50.54	ug/l	97
13) Acrolein	3.926	56	58729	275.38	ug/l	99
14) Allyl chloride	4.714	41	146751	51.14	ug/l	95
15) Acrylonitrile	5.420	53	124092	283.48	ug/l	98
16) Acetone	4.162	43	106822	266.09	ug/l	100
17) Carbon Disulfide	4.409	76	414919	47.85	ug/l	98
18) Methyl Acetate	4.714	43	55338	56.73	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	259143	54.59	ug/l	98
20) Methylene Chloride	4.967	84	163348	50.01	ug/l	96
21) trans-1,2-Dichloroethene	5.467	96	159235	51.34	ug/l	98
22) Diisopropyl ether	6.367	45	321871	56.16	ug/l	97
23) Vinyl Acetate	6.303	43	978303	289.25	ug/l	98
24) 1,1-Dichloroethane	6.267	63	257953	52.10	ug/l	98
25) 2-Butanone	7.214	43	153670	282.49	ug/l	97
26) 2,2-Dichloropropane	7.214	77	235445	50.85	ug/l	98
27) cis-1,2-Dichloroethene	7.214	96	172550	51.24	ug/l	97
28) Bromochloromethane	7.544	49	97262	55.11	ug/l	99
29) Tetrahydrofuran	7.567	42	87639	296.37	ug/l	95
30) Chloroform	7.708	83	293191	52.60	ug/l	99
31) Cyclohexane	7.985	56	184569	47.51	ug/l	90
32) 1,1,1-Trichloroethane	7.903	97	258814	51.17	ug/l	99
36) 1,1-Dichloropropene	8.108	75	215927	53.35	ug/l	99
37) Ethyl Acetate	7.291	43	72885	56.05	ug/l	96
38) Carbon Tetrachloride	8.097	117	233622	51.63	ug/l	98
39) Methylcyclohexane	9.355	83	219025	51.30	ug/l	97
40) Benzene	8.350	78	625707	53.96	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	36825	53.20	ug/l #	84
42) 1,2-Dichloroethane	8.426	62	173380	54.76	ug/l	99
43) Isopropyl Acetate	8.450	43	136825	57.94	ug/l	98
44) Trichloroethene	9.114	130	167297	51.63	ug/l	100
45) 1,2-Dichloropropane	9.391	63	152726	55.81	ug/l	97
46) Dibromomethane	9.473	93	91752	56.08	ug/l	98
47) Bromodichloromethane	9.661	83	228733	54.94	ug/l	98
48) Methyl methacrylate	9.455	41	65025	59.54	ug/l	99
49) 1,4-Dioxane	9.461	88	18409	1155.54	ug/l	92
51) 4-Methyl-2-Pentanone	10.226	43	364727	300.18	ug/l	98
52) Toluene	10.402	92	409155	54.68	ug/l	95
53) t-1,3-Dichloropropene	10.620	75	200704	54.86	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	233497	53.40	ug/l	98
55) 1,1,2-Trichloroethane	10.797	97	125915	57.10	ug/l	98
56) Ethyl methacrylate	10.661	69	130331	54.07	ug/l	98
57) 1,3-Dichloropropane	10.944	76	201187	56.46	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.944	63	332134	304.28	ug/l	99
59) 2-Hexanone	10.985	43	249533	307.76	ug/l	99
60) Dibromochloromethane	11.138	129	164905	58.23	ug/l	99
61) 1,2-Dibromoethane	11.244	107	125338	57.51	ug/l	99
64) Tetrachloroethene	10.873	164	143658	48.73	ug/l	91
65) Chlorobenzene	11.667	112	451460	51.35	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	182823	55.15	ug/l	99
67) Ethyl Benzene	11.743	91	836519	55.29	ug/l	99
68) m/p-Xylenes	11.849	106	641637	108.22	ug/l	99
69) o-Xylene	12.179	106	291079	55.21	ug/l	96
70) Styrene	12.191	104	511623	55.59	ug/l	99
71) Bromoform	12.355	173	96406	55.91	ug/l #	100
73) Isopropylbenzene	12.479	105	756179	47.46	ug/l	100
74) N-amyl acetate	12.285	43	139651	53.60	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.726	83	142675	49.42	ug/l	98
76) 1,2,3-Trichloropropane	12.779	75	93704m	54.69	ug/l	
77) Bromobenzene	12.755	156	184548	48.82	ug/l	97
78) n-propylbenzene	12.814	91	1037244	53.96	ug/l	100
79) 2-Chlorotoluene	12.902	91	565790	52.90	ug/l	99
80) 1,3,5-Trimethylbenzene	12.955	105	714564	54.40	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	44167	52.07	ug/l	98
82) 4-Chlorotoluene	13.002	91	601787	52.82	ug/l	99
83) tert-Butylbenzene	13.220	119	601770	54.98	ug/l	96
84) 1,2,4-Trimethylbenzene	13.261	105	718142	54.34	ug/l	99
85) sec-Butylbenzene	13.396	105	861248	52.32	ug/l	99
86) p-Isopropyltoluene	13.508	119	771218	53.33	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	401403	52.46	ug/l	99
88) 1,4-Dichlorobenzene	13.590	146	384365	50.72	ug/l	99
89) n-Butylbenzene	13.838	91	704330	52.27	ug/l	98
90) Hexachloroethane	14.102	117	134236	49.53	ug/l	100
91) 1,2-Dichlorobenzene	13.885	146	340377	51.80	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.496	75	21819	48.69	ug/l	97
93) 1,2,4-Trichlorobenzene	15.149	180	179400	44.55	ug/l	99
94) Hexachlorobutadiene	15.261	225	105228	43.54	ug/l	99
95) Naphthalene	15.390	128	322792	43.55	ug/l	100
96) 1,2,3-Trichlorobenzene	15.584	180	158670	46.06	ug/l	99

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

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