

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051221\
 Data File : VD069135.D
 Acq On : 12 May 2021 13:00
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 5/13/2021 4:05:47 PM

Quant Time: May 13 03:33:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 13 03:30:25 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	307612	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	494702	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	473345	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	233109	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	144325	46.80	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.60%		
35) Dibromofluoromethane	7.920	113	157266	48.85	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.70%		
50) Toluene-d8	10.343	98	579923	49.02	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.04%		
62) 4-Bromofluorobenzene	12.631	95	188611	49.55	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.10%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	163471	49.98	ug/l	100
3) Chloromethane	2.208	50	180521	48.02	ug/l	100
4) Vinyl Chloride	2.350	62	255780	51.63	ug/l	100
5) Bromomethane	2.767	94	174210	46.74	ug/l	100
6) Chloroethane	2.920	64	166038	52.10	ug/l	100
7) Trichlorofluoromethane	3.273	101	297132	49.16	ug/l	100
8) Diethyl Ether	3.714	74	74274	53.83	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.097	101	173269	50.58	ug/l	100
10) Methyl Iodide	4.302	142	191186	58.56	ug/l	100
11) Tert butyl alcohol	5.226	59	42073	199.62	ug/l	100
12) 1,1-Dichloroethene	4.073	96	162954	52.95	ug/l	100
13) Acrolein	3.926	56	67821	270.30	ug/l	100
14) Allyl chloride	4.714	41	177177	52.48	ug/l	100
15) Acrylonitrile	5.420	53	137745	267.46	ug/l	100
16) Acetone	4.161	43	128761	272.62	ug/l	100
17) Carbon Disulfide	4.414	76	517430	50.72	ug/l	100
18) Methyl Acetate	4.720	43	61533	53.62	ug/l	100
19) Methyl tert-butyl Ether	5.479	73	308354	55.21	ug/l	100
20) Methylene Chloride	4.967	84	210758	42.15	ug/l	100
21) trans-1,2-Dichloroethene	5.473	96	190304	52.15	ug/l	100
22) Diisopropyl ether	6.367	45	371437	55.08	ug/l	100
23) Vinyl Acetate	6.308	43	1143047	287.25	ug/l	100
24) 1,1-Dichloroethane	6.267	63	301080	51.69	ug/l	100
25) 2-Butanone	7.214	43	173082	270.44	ug/l	100
26) 2,2-Dichloropropane	7.214	77	282178	51.80	ug/l	100
27) cis-1,2-Dichloroethene	7.214	96	203620	51.39	ug/l	100
28) Bromochloromethane	7.555	49	106153	51.12	ug/l	100
29) Tetrahydrofuran	7.561	42	97834	281.21	ug/l	100
30) Chloroform	7.714	83	337745	51.50	ug/l	100
31) Cyclohexane	7.985	56	224890	49.21	ug/l	100
32) 1,1,1-Trichloroethane	7.902	97	304714	51.21	ug/l	100
36) 1,1-Dichloropropene	8.114	75	256977	53.43	ug/l	100
37) Ethyl Acetate	7.290	43	82627	53.47	ug/l	100
38) Carbon Tetrachloride	8.102	117	281001	52.26	ug/l	100
39) Methylcyclohexane	9.355	83	279722	55.14	ug/l	100
40) Benzene	8.355	78	723735	52.53	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	42194	55.48	ug/l #	81
42) 1,2-Dichloroethane	8.426	62	202455	53.82	ug/l	100
43) Isopropyl Acetate	8.449	43	154535	55.07	ug/l	100
44) Trichloroethene	9.114	130	204343	53.07	ug/l	100
45) 1,2-Dichloropropane	9.390	63	170039	52.29	ug/l	100
46) Dibromomethane	9.473	93	103980	53.49	ug/l	100
47) Bromodichloromethane	9.667	83	267080	53.99	ug/l	100
48) Methyl methacrylate	9.461	41	71435	55.05	ug/l	100
49) 1,4-Dioxane	9.461	88	21115	1154.98	ug/l	100
51) 4-Methyl-2-Pentanone	10.226	43	409497	283.64	ug/l	100
52) Toluene	10.402	92	489350	55.04	ug/l	100
53) t-1,3-Dichloropropene	10.620	75	238194	54.80	ug/l	100
54) cis-1,3-Dichloropropene	10.090	75	275831	53.09	ug/l	100
55) 1,1,2-Trichloroethane	10.796	97	139753	53.34	ug/l	100
56) Ethyl methacrylate	10.661	69	153570	58.71	ug/l	100
57) 1,3-Dichloropropane	10.943	76	232450	54.90	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.943	63	366633	282.68	ug/l	100
59) 2-Hexanone	10.984	43	277680	288.23	ug/l	100
60) Dibromochloromethane	11.137	129	179805	53.44	ug/l	100
61) 1,2-Dibromoethane	11.249	107	141327	54.58	ug/l	100
64) Tetrachloroethene	10.873	164	173695	52.80	ug/l	100
65) Chlorobenzene	11.667	112	518425	52.84	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.743	131	194423	52.55	ug/l	100
67) Ethyl Benzene	11.743	91	927982	54.96	ug/l	100
68) m/p-Xylenes	11.849	106	728883	110.16	ug/l	100
69) o-Xylene	12.178	106	334903	56.92	ug/l	100
70) Styrene	12.190	104	575670	56.05	ug/l	100
71) Bromoform	12.355	173	101954	52.98	ug/l #	100
73) Isopropylbenzene	12.478	105	898904	55.17	ug/l	100
74) N-amyl acetate	12.284	43	148124	55.59	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.725	83	159265	53.94	ug/l	100
76) 1,2,3-Trichloropropane	12.778	75	100851m	57.78	ug/l	
77) Bromobenzene	12.761	156	208409	53.91	ug/l	100
78) n-propylbenzene	12.814	91	1092257	55.56	ug/l	100
79) 2-Chlorotoluene	12.902	91	591067	54.04	ug/l	100
80) 1,3,5-Trimethylbenzene	12.955	105	748766	55.74	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.525	75	46328	53.40	ug/l	100
82) 4-Chlorotoluene	13.002	91	627555	53.86	ug/l	100
83) tert-Butylbenzene	13.220	119	623778	55.72	ug/l	100
84) 1,2,4-Trimethylbenzene	13.261	105	757483	56.05	ug/l	100
85) sec-Butylbenzene	13.396	105	940388	55.87	ug/l	100
86) p-Isopropyltoluene	13.514	119	835361	56.48	ug/l	100
87) 1,3-Dichlorobenzene	13.514	146	417633	53.37	ug/l	100
88) 1,4-Dichlorobenzene	13.590	146	403781	52.10	ug/l	100
89) n-Butylbenzene	13.837	91	788356	57.21	ug/l	100
90) Hexachloroethane	14.108	117	146145	52.73	ug/l	100
91) 1,2-Dichlorobenzene	13.884	146	364565	54.25	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.502	75	23121	50.45	ug/l	100
93) 1,2,4-Trichlorobenzene	15.155	180	222051	53.92	ug/l	100
94) Hexachlorobutadiene	15.261	225	130329	52.74	ug/l	100
95) Naphthalene	15.396	128	400746	58.08	ug/l	100
96) 1,2,3-Trichlorobenzene	15.584	180	196172	55.68	ug/l	100

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

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