

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050321\
 Data File : VD069039.D
 Acq On : 03 May 2021 12:42
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 5/4/2021 5:35:18 PM

Quant Time: May 03 13:27:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050321S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 03 13:21:52 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	221390	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	381521	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	365619	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	178096	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	143934	51.79	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.58%			
35) Dibromofluoromethane	7.914	113	132614	53.48	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.96%			
50) Toluene-d8	10.338	98	507880	56.85	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 113.70%			
62) 4-Bromofluorobenzene	12.626	95	167872	55.68	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 111.36%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	131466	47.50	ug/l	99
3) Chloromethane	2.209	50	171114	48.91	ug/l	98
4) Vinyl Chloride	2.344	62	214378	49.27	ug/l	96
5) Bromomethane	2.750	94	113286	46.61	ug/l	96
6) Chloroethane	2.909	64	118876	55.09	ug/l	99
7) Trichlorofluoromethane	3.262	101	235783	48.55	ug/l	97
8) Diethyl Ether	3.709	74	60880	53.21	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.091	101	128745	48.24	ug/l	94
10) Methyl Iodide	4.291	142	125869	64.06	ug/l	91
11) Tert butyl alcohol	5.226	59	41292	176.29	ug/l #	87
12) 1,1-Dichloroethene	4.062	96	119929	50.54	ug/l	92
13) Acrolein	3.926	56	44833	232.39	ug/l	94
14) Allyl chloride	4.709	41	163419	53.37	ug/l	91
15) Acrylonitrile	5.420	53	133980	260.84	ug/l	94
16) Acetone	4.156	43	102148	216.74	ug/l	90
17) Carbon Disulfide	4.403	76	397405	49.98	ug/l	100
18) Methyl Acetate	4.720	43	60161	50.92	ug/l #	87
19) Methyl tert-butyl Ether	5.473	73	294035	56.26	ug/l	100
20) Methylene Chloride	4.962	84	149317	37.50	ug/l	88
21) trans-1,2-Dichloroethene	5.462	96	143911	51.73	ug/l	92
22) Diisopropyl ether	6.367	45	368940	54.85	ug/l	93
23) Vinyl Acetate	6.303	43	1100926	297.52	ug/l	95
24) 1,1-Dichloroethane	6.256	63	243175	50.48	ug/l	98
25) 2-Butanone	7.214	43	165210	265.98	ug/l	88
26) 2,2-Dichloropropane	7.203	77	221191	49.78	ug/l	97
27) cis-1,2-Dichloroethene	7.209	96	153929	52.40	ug/l	90
28) Bromochloromethane	7.544	49	102513	50.64	ug/l	86
29) Tetrahydrofuran	7.561	42	103133	263.71	ug/l	92
30) Chloroform	7.708	83	267709	50.86	ug/l	97
31) Cyclohexane	7.979	56	204433	47.79	ug/l	88
32) 1,1,1-Trichloroethane	7.903	97	238818	49.38	ug/l	98
36) 1,1-Dichloropropene	8.108	75	202217	53.07	ug/l	99
37) Ethyl Acetate	7.291	43	74671	50.99	ug/l	95
38) Carbon Tetrachloride	8.091	117	214668	52.25	ug/l	98
39) Methylcyclohexane	9.355	83	236113	56.20	ug/l	93
40) Benzene	8.350	78	565218	51.98	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	43948	54.72	ug/l	94
42) 1,2-Dichloroethane	8.426	62	181215	52.03	ug/l	94
43) Isopropyl Acetate	8.450	43	148643	53.17	ug/l	93
44) Trichloroethene	9.108	130	148720	52.40	ug/l	97
45) 1,2-Dichloropropane	9.385	63	143884	53.67	ug/l	92
46) Dibromomethane	9.473	93	81264	51.65	ug/l	95
47) Bromodichloromethane	9.661	83	211957	50.85	ug/l	96
48) Methyl methacrylate	9.455	41	79974	64.31	ug/l	88
49) 1,4-Dioxane	9.461	88	19286	1070.59	ug/l	99
51) 4-Methyl-2-Pentanone	10.226	43	394680	280.41	ug/l	90
52) Toluene	10.402	92	368450	54.52	ug/l	100
53) t-1,3-Dichloropropene	10.620	75	190897	53.65	ug/l	100
54) cis-1,3-Dichloropropene	10.091	75	218836	53.66	ug/l #	89
55) 1,1,2-Trichloroethane	10.797	97	109191	52.91	ug/l	98
56) Ethyl methacrylate	10.655	69	126335	59.74	ug/l #	84
57) 1,3-Dichloropropane	10.944	76	187697	53.05	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	337139	291.86	ug/l	97
59) 2-Hexanone	10.985	43	272144	287.63	ug/l	89
60) Dibromochloromethane	11.138	129	136734	51.46	ug/l	98
61) 1,2-Dibromoethane	11.244	107	105616	53.33	ug/l	100
64) Tetrachloroethene	10.873	164	118620	51.80	ug/l	96
65) Chlorobenzene	11.667	112	392089	52.62	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	148108	52.01	ug/l	99
67) Ethyl Benzene	11.744	91	717985	55.57	ug/l	99
68) m/p-Xylenes	11.849	106	543045	112.15	ug/l	96
69) o-Xylene	12.179	106	246006	56.88	ug/l	96
70) Styrene	12.191	104	445639	58.44	ug/l	96
71) Bromoform	12.355	173	75901	53.11	ug/l #	99
73) Isopropylbenzene	12.473	105	677201	56.42	ug/l	99
74) N-amyl acetate	12.285	43	143133	56.66	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.726	83	124036	51.42	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	84927m	52.01	ug/l	
77) Bromobenzene	12.755	156	151646	54.07	ug/l	91
78) n-propylbenzene	12.814	91	827896	56.12	ug/l	100
79) 2-Chlorotoluene	12.902	91	454988	54.73	ug/l	99
80) 1,3,5-Trimethylbenzene	12.955	105	582157	57.02	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.526	75	39351	54.86	ug/l	94
82) 4-Chlorotoluene	13.002	91	487457	53.89	ug/l	99
83) tert-Butylbenzene	13.220	119	475065	56.09	ug/l	96
84) 1,2,4-Trimethylbenzene	13.261	105	585495	56.67	ug/l	100
85) sec-Butylbenzene	13.396	105	684284	55.99	ug/l	99
86) p-Isopropyltoluene	13.508	119	640405	58.46	ug/l	97
87) 1,3-Dichlorobenzene	13.508	146	301031	51.99	ug/l	96
88) 1,4-Dichlorobenzene	13.591	146	298410	51.62	ug/l	97
89) n-Butylbenzene	13.838	91	601396	57.12	ug/l	98
90) Hexachloroethane	14.108	117	123360	53.53	ug/l	92
91) 1,2-Dichlorobenzene	13.879	146	259107	52.29	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	20669	50.60	ug/l	81
93) 1,2,4-Trichlorobenzene	15.155	180	157715	53.10	ug/l	97
94) Hexachlorobutadiene	15.261	225	89949	52.54	ug/l	99
95) Naphthalene	15.390	128	311543	58.42	ug/l	98
96) 1,2,3-Trichlorobenzene	15.585	180	141062	54.70	ug/l	98

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

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