

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051221\
 Data File : VD069136.D
 Acq On : 12 May 2021 13:28
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 5/13/2021 4:05:50 PM

Quant Time: May 13 03:34:12 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	7.979	168	336623	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	529912	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	500133	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	242882	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	310079	91.88	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 183.76%#	
35) Dibromofluoromethane	7.914	113	332876	96.53	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 193.06%#	
50) Toluene-d8	10.338	98	1278478	100.90	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 201.80%#	
62) 4-Bromofluorobenzene	12.632	95	411718	100.98	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 201.96%#	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	319543	89.28	ug/l	99
3) Chloromethane	2.209	50	355423	86.41	ug/l	97
4) Vinyl Chloride	2.350	62	482838	89.06	ug/l	98
5) Bromomethane	2.756	94	362275	88.83	ug/l	96
6) Chloroethane	2.921	64	333230	95.55	ug/l	100
7) Trichlorofluoromethane	3.273	101	595834	90.08	ug/l	97
8) Diethyl Ether	3.709	74	150056	99.37	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.097	101	343817	91.72	ug/l	98
10) Methyl Iodide	4.303	142	407707	114.11	ug/l	99
11) Tert butyl alcohol	5.226	59	79873	346.30	ug/l #	85
12) 1,1-Dichloroethene	4.068	96	328375	97.50	ug/l	100
13) Acrolein	3.920	56	132074	481.02	ug/l	99
14) Allyl chloride	4.715	41	364820	98.75	ug/l	99
15) Acrylonitrile	5.420	53	272411	483.36	ug/l	99
16) Acetone	4.162	43	229099	443.26	ug/l	100
17) Carbon Disulfide	4.415	76	1041901	93.32	ug/l	99
18) Methyl Acetate	4.720	43	115787	92.20	ug/l	96
19) Methyl tert-butyl Ether	5.479	73	627244	102.63	ug/l	97
20) Methylene Chloride	4.967	84	386413	70.62	ug/l	95
21) trans-1,2-Dichloroethene	5.473	96	383630	96.07	ug/l	100
22) Diisopropyl ether	6.367	45	741559	100.50	ug/l	96
23) Vinyl Acetate	6.309	43	2331782	535.49	ug/l	99
24) 1,1-Dichloroethane	6.267	63	594407	93.25	ug/l	98
25) 2-Butanone	7.214	43	340843	486.66	ug/l	98
26) 2,2-Dichloropropane	7.214	77	566550	95.04	ug/l	100
27) cis-1,2-Dichloroethene	7.214	96	430325	99.25	ug/l	97
28) Bromochloromethane	7.550	49	214422	94.36	ug/l	99
29) Tetrahydrofuran	7.561	42	186584	490.09	ug/l	99
30) Chloroform	7.709	83	666115	92.82	ug/l	98
31) Cyclohexane	7.985	56	460769	92.13	ug/l	93
32) 1,1,1-Trichloroethane	7.909	97	615860	94.58	ug/l	99
36) 1,1-Dichloropropene	8.114	75	523246	101.57	ug/l	99
37) Ethyl Acetate	7.291	43	154092	93.09	ug/l	97
38) Carbon Tetrachloride	8.097	117	562217	97.62	ug/l	99
39) Methylcyclohexane	9.355	83	586640	107.96	ug/l	98
40) Benzene	8.356	78	1472294	99.76	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	99705	122.39	ug/l #	78
42) 1,2-Dichloroethane	8.426	62	392911	97.51	ug/l	99
43) Isopropyl Acetate	8.450	43	305822	101.74	ug/l	99
44) Trichloroethene	9.114	130	415091	100.64	ug/l	99
45) 1,2-Dichloropropane	9.385	63	339985	97.61	ug/l	98
46) Dibromomethane	9.473	93	203563	97.76	ug/l	99
47) Bromodichloromethane	9.661	83	515345	97.26	ug/l	99
48) Methyl methacrylate	9.455	41	150153	108.02	ug/l	97
49) 1,4-Dioxane	9.461	88	39279	2005.78	ug/l	95
51) 4-Methyl-2-Pentanone	10.226	43	787020	508.91	ug/l	98
52) Toluene	10.402	92	980674	102.97	ug/l	97
53) t-1,3-Dichloropropene	10.620	75	473843	101.77	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	561743	100.93	ug/l	98
55) 1,1,2-Trichloroethane	10.797	97	271327	96.68	ug/l	98
56) Ethyl methacrylate	10.661	69	311588	111.20	ug/l	99
57) 1,3-Dichloropropane	10.944	76	453511	99.99	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.944	63	711953	512.45	ug/l	100
59) 2-Hexanone	10.985	43	543564	526.72	ug/l	99
60) Dibromochloromethane	11.138	129	353975	98.21	ug/l	99
61) 1,2-Dibromoethane	11.244	107	264893	95.50	ug/l	98
64) Tetrachloroethene	10.879	164	346732	99.75	ug/l	98
65) Chlorobenzene	11.667	112	1042449	100.57	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.744	131	385749	98.68	ug/l	98
67) Ethyl Benzene	11.744	91	1935658	108.50	ug/l	99
68) m/p-Xylenes	11.855	106	1509459	215.92	ug/l	100
69) o-Xylene	12.179	106	689785	110.95	ug/l	100
70) Styrene	12.191	104	1192994	109.93	ug/l	99
71) Bromoform	12.361	173	200337	98.53	ug/l #	99
73) Isopropylbenzene	12.479	105	1867740	110.02	ug/l	100
74) N-amyl acetate	12.285	43	295151	106.31	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.726	83	296529	96.39	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	198503m	109.15	ug/l	
77) Bromobenzene	12.755	156	418560	103.91	ug/l	100
78) n-propylbenzene	12.820	91	2233547	109.04	ug/l	100
79) 2-Chlorotoluene	12.902	91	1203388	105.60	ug/l	99
80) 1,3,5-Trimethylbenzene	12.955	105	1544682	110.36	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.526	75	91918	101.69	ug/l	98
82) 4-Chlorotoluene	13.002	91	1274167	104.95	ug/l	100
83) tert-Butylbenzene	13.220	119	1300846	111.53	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	1544061	109.65	ug/l	100
85) sec-Butylbenzene	13.396	105	1927274	109.89	ug/l	100
86) p-Isopropyltoluene	13.514	119	1731938	112.39	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	840065	103.04	ug/l	100
88) 1,4-Dichlorobenzene	13.591	146	819760	101.52	ug/l	98
89) n-Butylbenzene	13.838	91	1587171	110.54	ug/l	100
90) Hexachloroethane	14.108	117	301896	104.54	ug/l	99
91) 1,2-Dichlorobenzene	13.885	146	708643	101.21	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.496	75	53663	112.39	ug/l	98
93) 1,2,4-Trichlorobenzene	15.155	180	453760	105.75	ug/l	99
94) Hexachlorobutadiene	15.261	225	267341	103.82	ug/l	100
95) Naphthalene	15.396	128	813583	113.18	ug/l	100
96) 1,2,3-Trichlorobenzene	15.585	180	388425	105.81	ug/l	99

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

