

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060121\
 Data File : VD069280.D
 Acq On : 01 Jun 2021 13:13
 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
 6/2/2021 6:46:30 PM

Quant Time: Jun 02 01:50:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 02 01:46:40 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	467937	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	755521	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	723736	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	336771	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.332	65	389010	86.64	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 173.28%#	
35) Dibromofluoromethane	7.914	113	426007	89.79	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 179.58%#	
50) Toluene-d8	10.337	98	1594072	92.40	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 184.80%#	
62) 4-Bromofluorobenzene	12.626	95	543076	96.06	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 192.12%#	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.991	85	462562	93.91	ug/l	99
3) Chloromethane	2.208	50	337418	90.74	ug/l	99
4) Vinyl Chloride	2.350	62	355873	93.94	ug/l	99
5) Bromomethane	2.755	94	249087	90.13	ug/l	89
6) Chloroethane	2.914	64	200643	92.82	ug/l	96
7) Trichlorofluoromethane	3.273	101	814709	92.46	ug/l	100
8) Diethyl Ether	3.708	74	225320	104.09	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.097	101	475485	91.64	ug/l	99
10) Methyl Iodide	4.297	142	549578	116.76	ug/l	99
11) Tert butyl alcohol	5.232	59	128742	362.65	ug/l	100
12) 1,1-Dichloroethene	4.067	96	462585	98.56	ug/l	97
13) Acrolein	3.926	56	147765	560.15	ug/l	92
14) Allyl chloride	4.714	41	589080	104.03	ug/l	98
15) Acrylonitrile	5.426	53	435966	516.61	ug/l	100
16) Acetone	4.155	43	353882	451.65	ug/l	95
17) Carbon Disulfide	4.408	76	1509571	97.27	ug/l	100
18) Methyl Acetate	4.720	43	190909	90.04	ug/l	97
19) Methyl tert-butyl Ether	5.479	73	931177	108.03	ug/l	98
20) Methylene Chloride	4.967	84	546090	75.00	ug/l	97
21) trans-1,2-Dichloroethene	5.473	96	545099	98.06	ug/l	99
22) Diisopropyl ether	6.367	45	1143927	105.18	ug/l	96
23) Vinyl Acetate	6.308	43	3590749	589.22	ug/l	99
24) 1,1-Dichloroethane	6.267	63	876467	96.30	ug/l	99
25) 2-Butanone	7.214	43	533797	517.73	ug/l	94
26) 2,2-Dichloropropane	7.208	77	801536	95.57	ug/l	98
27) cis-1,2-Dichloroethene	7.214	96	603163	102.45	ug/l	98
28) Bromochloromethane	7.549	49	282351	89.48	ug/l	99
29) Tetrahydrofuran	7.561	42	315680	532.70	ug/l	99
30) Chloroform	7.714	83	941531	94.63	ug/l	98
31) Cyclohexane	7.985	56	679739	95.28	ug/l	94
32) 1,1,1-Trichloroethane	7.902	97	854260	95.14	ug/l	100
36) 1,1-Dichloropropene	8.114	75	735422	100.14	ug/l	99
37) Ethyl Acetate	7.296	43	244577	98.09	ug/l	97
38) Carbon Tetrachloride	8.096	117	769452	97.04	ug/l	96
39) Methylcyclohexane	9.355	83	819530	109.09	ug/l	94
40) Benzene	8.349	78	2105306	98.71	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	136017	117.70	ug/l	88
42) 1,2-Dichloroethane	8.426	62	558646	98.15	ug/l	99
43) Isopropyl Acetate	8.455	43	473135	104.26	ug/l	99
44) Trichloroethene	9.114	130	575080	99.24	ug/l	99
45) 1,2-Dichloropropane	9.390	63	504595	99.37	ug/l	98
46) Dibromomethane	9.479	93	284044	97.86	ug/l	95
47) Bromodichloromethane	9.661	83	731501	97.74	ug/l	97
48) Methyl methacrylate	9.455	41	224802	106.70	ug/l	92
49) 1,4-Dioxane	9.461	88	62244	2183.15	ug/l	97
51) 4-Methyl-2-Pentanone	10.226	43	1237709	528.05	ug/l	98
52) Toluene	10.402	92	1379956	102.51	ug/l	100
53) t-1,3-Dichloropropene	10.620	75	682832	102.16	ug/l	98
54) cis-1,3-Dichloropropene	10.090	75	807315	101.30	ug/l	98
55) 1,1,2-Trichloroethane	10.802	97	392567	97.50	ug/l	97
56) Ethyl methacrylate	10.661	69	466943	112.78	ug/l	98
57) 1,3-Dichloropropane	10.943	76	661136	101.28	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.943	63	1016271	539.08	ug/l	100
59) 2-Hexanone	10.984	43	855468	545.99	ug/l	100
60) Dibromochloromethane	11.137	129	506570	99.86	ug/l	97
61) 1,2-Dibromoethane	11.243	107	382989	99.73	ug/l	100
64) Tetrachloroethene	10.879	164	472329	93.76	ug/l	95
65) Chlorobenzene	11.667	112	1451583	98.15	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.737	131	536168	96.76	ug/l	100
67) Ethyl Benzene	11.743	91	2622740	103.22	ug/l	99
68) m/p-Xylenes	11.849	106	2047754	205.67	ug/l	100
69) o-Xylene	12.179	106	935742	106.26	ug/l	100
70) Styrene	12.190	104	1632027	106.76	ug/l	99
71) Bromoform	12.361	173	281492	97.94	ug/l #	97
73) Isopropylbenzene	12.473	105	2502429	108.57	ug/l	99
74) N-amyl acetate	12.284	43	450938	110.79	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.726	83	428309	99.54	ug/l	99
76) 1,2,3-Trichloropropane	12.778	75	278777m	99.04	ug/l	
77) Bromobenzene	12.755	156	575607	103.70	ug/l	99
78) n-propylbenzene	12.814	91	2981300	105.47	ug/l	100
79) 2-Chlorotoluene	12.902	91	1670495	103.96	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	2087862	106.96	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.526	75	136579	103.44	ug/l	97
82) 4-Chlorotoluene	13.002	91	1724641	102.02	ug/l	100
83) tert-Butylbenzene	13.220	119	1756614	107.46	ug/l	100
84) 1,2,4-Trimethylbenzene	13.261	105	2068258	106.54	ug/l	100
85) sec-Butylbenzene	13.396	105	2533779	105.01	ug/l	100
86) p-Isopropyltoluene	13.508	119	2260511	107.15	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	1119727	99.68	ug/l	99
88) 1,4-Dichlorobenzene	13.590	146	1084016	96.83	ug/l	98
89) n-Butylbenzene	13.837	91	2089548	105.86	ug/l	99
90) Hexachloroethane	14.102	117	392993	98.06	ug/l	99
91) 1,2-Dichlorobenzene	13.884	146	957231	98.89	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	67062	97.84	ug/l	98
93) 1,2,4-Trichlorobenzene	15.155	180	613599	105.66	ug/l	99
94) Hexachlorobutadiene	15.261	225	362663	99.46	ug/l	98
95) Naphthalene	15.390	128	1172656	114.53	ug/l	100
96) 1,2,3-Trichlorobenzene	15.584	180	532290	104.14	ug/l	98

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

