

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042821\
 Data File : VD068996.D
 Acq On : 28 Apr 2021 11:03
 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
 4/29/2021 5:51:31 PM

Quant Time: Apr 29 06:28:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 08 03:50:31 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	281759	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	436979	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	405730	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	201834	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	131120	44.03	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.06%		
35) Dibromofluoromethane	7.914	113	148532	52.26	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	104.52%		
50) Toluene-d8	10.338	98	547375	51.05	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	102.10%		
62) 4-Bromofluorobenzene	12.632	95	179132	50.30	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	100.60%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	130404	46.71	ug/l	99
3) Chloromethane	2.209	50	137562	41.91	ug/l	98
4) Vinyl Chloride	2.350	62	193765	46.99	ug/l	97
5) Bromomethane	2.762	94	156982	50.93	ug/l	95
6) Chloroethane	2.920	64	139622	51.53	ug/l	98
7) Trichlorofluoromethane	3.273	101	259083	53.40	ug/l	100
8) Diethyl Ether	3.715	74	64829	49.48	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.103	101	157860	53.91	ug/l	97
10) Methyl Iodide	4.303	142	159636	46.74	ug/l	98
11) Tert butyl alcohol	5.220	59	39263	248.16	ug/l #	90
12) 1,1-Dichloroethene	4.067	96	144364	51.19	ug/l	95
13) Acrolein	3.926	56	25017	213.45	ug/l	98
14) Allyl chloride	4.714	41	143572	45.17	ug/l	92
15) Acrylonitrile	5.420	53	122135	207.69	ug/l	98
16) Acetone	4.162	43	123811	300.25	ug/l	98
17) Carbon Disulfide	4.414	76	410822	45.00	ug/l	99
18) Methyl Acetate	4.726	43	56091	49.51	ug/l	100
19) Methyl tert-butyl Ether	5.485	73	278167	44.45	ug/l	98
20) Methylene Chloride	4.967	84	167423	50.14	ug/l	94
21) trans-1,2-Dichloroethene	5.473	96	158979	43.90	ug/l	95
22) Diisopropyl ether	6.367	45	337671	43.85	ug/l	99
23) Vinyl Acetate	6.308	43	926543	227.02	ug/l	96
24) 1,1-Dichloroethane	6.267	63	263413	45.37	ug/l	98
25) 2-Butanone	7.214	43	145394	249.17	ug/l	99
26) 2,2-Dichloropropane	7.208	77	253359	53.42	ug/l	100
27) cis-1,2-Dichloroethene	7.208	96	186208	51.73	ug/l	97
28) Bromochloromethane	7.550	49	91999	43.90	ug/l	88
29) Tetrahydrofuran	7.567	42	85361	217.52	ug/l	93
30) Chloroform	7.708	83	294304	46.31	ug/l	98
31) Cyclohexane	7.985	56	213132	43.01	ug/l	96
32) 1,1,1-Trichloroethane	7.903	97	271969	48.97	ug/l	99
36) 1,1-Dichloropropene	8.114	75	223616	50.56	ug/l	97
37) Ethyl Acetate	7.291	43	67788	52.18	ug/l	97
38) Carbon Tetrachloride	8.097	117	244652	55.87	ug/l	98
39) Methylcyclohexane	9.355	83	278499	53.99	ug/l	96
40) Benzene	8.350	78	647083	49.99	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	35828m	46.58	ug/l	
42) 1,2-Dichloroethane	8.420	62	169979	49.68	ug/l	98
43) Isopropyl Acetate	8.450	43	129985	49.08	ug/l	99
44) Trichloroethene	9.114	130	190674	53.34	ug/l	92
45) 1,2-Dichloropropane	9.385	63	152096	49.20	ug/l	100
46) Dibromomethane	9.473	93	87703	50.93	ug/l	94
47) Bromodichloromethane	9.661	83	228798	50.85	ug/l	98
48) Methyl methacrylate	9.455	41	63524	48.67	ug/l	92
49) 1,4-Dioxane	9.467	88	20139	1104.52	ug/l	90
51) 4-Methyl-2-Pentanone	10.226	43	338721	253.74	ug/l	99
52) Toluene	10.402	92	440033	53.69	ug/l	98
53) t-1,3-Dichloropropene	10.620	75	204878	51.38	ug/l	100
54) cis-1,3-Dichloropropene	10.091	75	243903	51.13	ug/l	97
55) 1,1,2-Trichloroethane	10.796	97	125389	51.49	ug/l	98
56) Ethyl methacrylate	10.661	69	133533	53.27	ug/l	98
57) 1,3-Dichloropropane	10.944	76	199962	49.87	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.944	63	345535	258.32	ug/l	97
59) 2-Hexanone	10.985	43	241582	270.47	ug/l	98
60) Dibromochloromethane	11.138	129	166033	54.38	ug/l	99
61) 1,2-Dibromoethane	11.244	107	120788	51.04	ug/l	99
64) Tetrachloroethene	10.873	164	156654	55.08	ug/l	94
65) Chlorobenzene	11.667	112	471873	53.73	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.743	131	176846	56.00	ug/l	99
67) Ethyl Benzene	11.743	91	839198	55.18	ug/l	99
68) m/p-Xylenes	11.849	106	648594	110.52	ug/l	98
69) o-Xylene	12.179	106	290228	54.39	ug/l	99
70) Styrene	12.191	104	518440	55.75	ug/l	99
71) Bromoform	12.355	173	92315	54.57	ug/l #	95
73) Isopropylbenzene	12.479	105	828588	56.22	ug/l	100
74) N-amyl acetate	12.285	43	121408	48.58	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.726	83	140489	51.00	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	85390m	46.31	ug/l	
77) Bromobenzene	12.755	156	189034	53.36	ug/l	94
78) n-propylbenzene	12.814	91	985127	55.03	ug/l	99
79) 2-Chlorotoluene	12.902	91	521745	52.18	ug/l	97
80) 1,3,5-Trimethylbenzene	12.955	105	681704	55.33	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.526	75	40582	51.08	ug/l	99
82) 4-Chlorotoluene	13.002	91	555277	52.39	ug/l	97
83) tert-Butylbenzene	13.220	119	579219	55.40	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	681252	54.75	ug/l	98
85) sec-Butylbenzene	13.396	105	829742	56.25	ug/l	99
86) p-Isopropyltoluene	13.508	119	763929	56.70	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	375602	53.51	ug/l	98
88) 1,4-Dichlorobenzene	13.590	146	367223	52.86	ug/l	99
89) n-Butylbenzene	13.838	91	716178	56.43	ug/l	100
90) Hexachloroethane	14.108	117	142716	53.18	ug/l	95
91) 1,2-Dichlorobenzene	13.885	146	319051	52.53	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	21342	50.97	ug/l	93
93) 1,2,4-Trichlorobenzene	15.155	180	212197	56.46	ug/l	99
94) Hexachlorobutadiene	15.261	225	127086	59.06	ug/l	99
95) Naphthalene	15.396	128	366431	55.97	ug/l	99
96) 1,2,3-Trichlorobenzene	15.590	180	183626	55.86	ug/l	98

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

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