

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020321\
 Data File : VD068258.D
 Acq On : 03 Feb 2021 13:12
 Operator : VA/SY
 Sample : M1292-02MS
 Misc : 9.39G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OU421-005-0510MS

Manual Integrations
 APPROVED

MMDadoda
 2/4/2021 10:35:26 AM

Quant Time: Feb 03 23:40:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 13:19:08 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	298135	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	525314	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	448198	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.579	152	170875	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	142637	50.01	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	100.02%
35) Dibromofluoromethane	7.920	113	149274	51.40	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.80%
50) Toluene-d8	10.344	98	506183	43.57	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	87.14%
62) 4-Bromofluorobenzene	12.632	95	172146	41.15	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	82.30%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	151908	42.89	ug/l	95
3) Chloromethane	2.209	50	190331	49.90	ug/l	97
4) Vinyl Chloride	2.350	62	221606	52.24	ug/l	98
5) Bromomethane	2.756	94	146442	50.34	ug/l	98
6) Chloroethane	2.920	64	141465	54.59	ug/l	99
7) Trichlorofluoromethane	3.273	101	254937	45.78	ug/l	96
8) Diethyl Ether	3.709	74	85311	52.04	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.097	101	149062	45.90	ug/l	96
10) Methyl Iodide	4.303	142	168746	46.56	ug/l	94
11) Tert butyl alcohol	5.232	59	48751	169.41	ug/l	98
12) 1,1-Dichloroethene	4.067	96	152962	46.83	ug/l	96
13) Acrolein	3.926	56	54515	242.56	ug/l	98
14) Allyl chloride	4.714	41	232458	48.93	ug/l	94
15) Acrylonitrile	5.426	53	181120	278.89	ug/l	99
16) Acetone	4.162	43	147026	288.72	ug/l	92
17) Carbon Disulfide	4.414	76	485419	46.14	ug/l	100
18) Methyl Acetate	4.714	43	85797	64.92	ug/l	90
19) Methyl tert-butyl Ether	5.479	73	393854	52.15	ug/l #	91
20) Methylene Chloride	4.967	84	196578	55.77	ug/l	92
21) trans-1,2-Dichloroethene	5.479	96	178170	47.51	ug/l	88
22) Diisopropyl ether	6.367	45	513488	53.56	ug/l	92
23) Vinyl Acetate	6.309	43	1291392	252.70	ug/l	97
24) 1,1-Dichloroethane	6.267	63	320526	51.60	ug/l	98
25) 2-Butanone	7.214	43	206218	268.95	ug/l	96
26) 2,2-Dichloropropane	7.208	77	278090	47.31	ug/l	100
27) cis-1,2-Dichloroethene	7.214	96	209072	51.35	ug/l	92
28) Bromochloromethane	7.550	49	109203	51.60	ug/l #	77
29) Tetrahydrofuran	7.561	42	134075	269.74	ug/l	93
30) Chloroform	7.714	83	328290	52.30	ug/l	96
31) Cyclohexane	7.991	56	242457	39.26	ug/l	94
32) 1,1,1-Trichloroethane	7.903	97	273392	48.33	ug/l	95
36) 1,1-Dichloropropene	8.114	75	239142	45.14	ug/l	95
37) Ethyl Acetate	7.297	43	96108	51.29	ug/l	95
38) Carbon Tetrachloride	8.097	117	223579	45.09	ug/l	99
39) Methylcyclohexane	9.355	83	225430	32.55	ug/l	97
40) Benzene	8.355	78	734678	49.60	ug/l	96

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41) Methacrylonitrile	7.526	41	52915	46.79	ug/l	96
42) 1,2-Dichloroethane	8.426	62	204192	51.59	ug/l	98
43) Isopropyl Acetate	8.455	43	190460	48.77	ug/l	96
44) Trichloroethene	9.114	130	182180	44.79	ug/l	91
45) 1,2-Dichloropropane	9.391	63	184380	50.83	ug/l	96
46) Dibromomethane	9.479	93	95942	52.20	ug/l	93
47) Bromodichloromethane	9.667	83	253474	51.11	ug/l	97
48) Methyl methacrylate	9.455	41	87961	45.25	ug/l #	89
49) 1,4-Dioxane	9.467	88	22117	1026.88	ug/l #	84
51) 4-Methyl-2-Pentanone	10.232	43	465695	256.54	ug/l	97
52) Toluene	10.408	92	451022	46.74	ug/l	96
53) t-1,3-Dichloropropene	10.620	75	243742	48.56	ug/l	100
54) cis-1,3-Dichloropropene	10.091	75	292186	48.90	ug/l	97
55) 1,1,2-Trichloroethane	10.802	97	136078	52.24	ug/l	96
56) Ethyl methacrylate	10.661	69	171201	49.34	ug/l	95
57) 1,3-Dichloropropane	10.949	76	237268	51.63	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.944	63	453117	283.00	ug/l	92
59) 2-Hexanone	10.985	43	316543	251.56	ug/l	97
60) Dibromochloromethane	11.144	129	160211	49.06	ug/l	98
61) 1,2-Dibromoethane	11.249	107	125363	48.78	ug/l	98
64) Tetrachloroethene	10.879	164	133692	42.32	ug/l	97
65) Chlorobenzene	11.673	112	454181	47.69	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.744	131	170545	50.91	ug/l	97
67) Ethyl Benzene	11.749	91	808849	45.87	ug/l	98
68) m/p-Xylenes	11.855	106	600909	90.27	ug/l	98
69) o-Xylene	12.185	106	293122	47.41	ug/l	97
70) Styrene	12.196	104	493720	46.79	ug/l	99
71) Bromoform	12.361	173	85558	50.39	ug/l #	99
73) Isopropylbenzene	12.479	105	704674	49.56	ug/l	99
74) N-amyl acetate	12.291	43	170521	57.70	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.732	83	142302	62.92	ug/l	99
76) 1,2,3-Trichloropropane	12.785	75	89647m	54.26	ug/l	
77) Bromobenzene	12.761	156	168359	55.23	ug/l	88
78) n-propylbenzene	12.820	91	774456	46.04	ug/l	97
79) 2-Chlorotoluene	12.908	91	464036	49.13	ug/l	96
80) 1,3,5-Trimethylbenzene	12.961	105	559599	47.26	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.532	75	47108	57.70	ug/l	95
82) 4-Chlorotoluene	13.008	91	477831	48.66	ug/l	97
83) tert-Butylbenzene	13.226	119	443218	44.17	ug/l	96
84) 1,2,4-Trimethylbenzene	13.267	105	557075	47.39	ug/l	98
85) sec-Butylbenzene	13.402	105	546054	38.90	ug/l	98
86) p-Isopropyltoluene	13.514	119	501960	39.32	ug/l	99
87) 1,3-Dichlorobenzene	13.520	146	270032	46.07	ug/l	98
88) 1,4-Dichlorobenzene	13.596	146	270216	46.79	ug/l	99
89) n-Butylbenzene	13.843	91	395455	32.28	ug/l	98
90) Hexachloroethane	14.114	117	94635	41.04	ug/l	89
91) 1,2-Dichlorobenzene	13.890	146	241218	48.05	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.508	75	21260	57.44	ug/l	85
93) 1,2,4-Trichlorobenzene	15.161	180	106559	30.96	ug/l	100
94) Hexachlorobutadiene	15.267	225	32742	17.16	ug/l	96
95) Naphthalene	15.402	128	285513	44.25	ug/l	100
96) 1,2,3-Trichlorobenzene	15.596	180	89556	30.85	ug/l	98

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

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