

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022421\
 Data File : VD068432.D
 Acq On : 24 Feb 2021 12:50
 Operator : VA/SY
 Sample : M1458-02 5PPBLOQ
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT1-2021

Manual Integrations
 APPROVED

MMDadoda
 2/25/2021 12:16:49 PM

Quant Time: Feb 25 00:39:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 25 00:38:02 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	314133	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	553569	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	506610	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	226398	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	181717	56.58	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.16%			
35) Dibromofluoromethane	7.920	113	182645	55.59	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.18%			
50) Toluene-d8	10.343	98	729730	53.58	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.16%			
62) 4-Bromofluorobenzene	12.632	95	235619	53.11	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.22%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	22191	7.71	ug/l	97
3) Chloromethane	2.209	50	24948	7.28	ug/l	100
4) Vinyl Chloride	2.350	62	30008	7.31	ug/l	100
5) Bromomethane	2.773	94	22888	7.81	ug/l	98
6) Chloroethane	2.926	64	19096	7.13	ug/l #	87
7) Trichlorofluoromethane	3.273	101	36675	7.26	ug/l	88
8) Diethyl Ether	3.714	74	10150	6.84	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.085	101	22664	7.38	ug/l	90
10) Methyl Iodide	4.297	142	18528	6.42	ug/l	96
11) Tert butyl alcohol	5.203	59	10629	66.02	ug/l #	74
12) 1,1-Dichloroethene	4.079	96	21700	7.26	ug/l	91
13) Acrolein	3.932	56	5208	28.29	ug/l	96
14) Allyl chloride	4.714	41	26111	6.72	ug/l	95
15) Acrylonitrile	5.420	53	20748	32.41	ug/l	98
16) Acetone	4.156	43	16554	33.41	ug/l	97
17) Carbon Disulfide	4.414	76	68291	7.89	ug/l	98
18) Methyl Acetate	4.720	43	11481	8.44	ug/l	99
19) Methyl tert-butyl Ether	5.479	73	41958	6.22	ug/l	93
20) Methylene Chloride	4.961	84	33669	8.54	ug/l	97
21) trans-1,2-Dichloroethene	5.473	96	23457	6.78	ug/l	95
22) Diisopropyl ether	6.367	45	49825	5.80	ug/l	97
23) Vinyl Acetate	6.303	43	109695m	24.71	ug/l	
24) 1,1-Dichloroethane	6.273	63	36197	6.15	ug/l	98
25) 2-Butanone	7.214	43	19962	28.82	ug/l	90
26) 2,2-Dichloropropane	7.202	77	28106	5.59	ug/l	98
27) cis-1,2-Dichloroethene	7.214	96	24332	6.19	ug/l	95
28) Bromochloromethane	7.550	49	12778	5.24	ug/l	87
29) Tetrahydrofuran	7.561	42	13347	29.79	ug/l	91
30) Chloroform	7.714	83	38726	6.33	ug/l	93
31) Cyclohexane	7.985	56	37147	7.02	ug/l #	90
32) 1,1,1-Trichloroethane	7.914	97	32391	6.13	ug/l #	93
36) 1,1-Dichloropropene	8.114	75	29812	6.09	ug/l	96
37) Ethyl Acetate	7.291	43	10433	6.30	ug/l #	93
38) Carbon Tetrachloride	8.097	117	29629	6.34	ug/l	91
39) Methylcyclohexane	9.355	83	36627	6.10	ug/l	98
40) Benzene	8.349	78	86009	6.16	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	5154	5.41	ug/l #	79
42) 1,2-Dichloroethane	8.432	62	23576	6.33	ug/l	97
43) Isopropyl Acetate	8.449	43	18003	5.68	ug/l	94
44) Trichloroethene	9.120	130	23983	6.31	ug/l	97
45) 1,2-Dichloropropane	9.391	63	20561	6.03	ug/l #	81
46) Dibromomethane	9.479	93	10850	5.87	ug/l	95
47) Bromodichloromethane	9.661	83	28097	5.86	ug/l	97
48) Methyl methacrylate	9.461	41	8891	5.62	ug/l #	91
49) 1,4-Dioxane	9.461	88	2850	131.93	ug/l #	87
51) 4-Methyl-2-Pentanone	10.232	43	43429	26.68	ug/l	100
52) Toluene	10.408	92	54297	6.05	ug/l	93
53) t-1,3-Dichloropropene	10.620	75	25960	5.85	ug/l	98
54) cis-1,3-Dichloropropene	10.091	75	32831	6.06	ug/l	92
55) 1,1,2-Trichloroethane	10.802	97	15931	6.24	ug/l #	88
56) Ethyl methacrylate	10.661	69	15956	5.26	ug/l	95
57) 1,3-Dichloropropane	10.949	76	26797	5.98	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.944	63	42563	26.23	ug/l	99
59) 2-Hexanone	10.985	43	28754	26.14	ug/l	99
60) Dibromochloromethane	11.143	129	18993	5.99	ug/l	99
61) 1,2-Dibromoethane	11.249	107	15687	6.35	ug/l	92
64) Tetrachloroethene	10.879	164	19666	6.31	ug/l #	89
65) Chlorobenzene	11.673	112	56843	5.84	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.743	131	19924	5.86	ug/l	95
67) Ethyl Benzene	11.749	91	100471	5.75	ug/l	99
68) m/p-Xylenes	11.855	106	75503	11.44	ug/l	99
69) o-Xylene	12.185	106	34963	5.77	ug/l	93
70) Styrene	12.190	104	58182	5.52	ug/l	97
71) Bromoform	12.361	173	10476	6.00	ug/l #	99
73) Isopropylbenzene	12.479	105	93215	5.64	ug/l	100
74) N-amyl acetate	12.290	43	15217	5.21	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.732	83	16397	5.72	ug/l	93
76) 1,2,3-Trichloropropane	12.785	75	9889m	4.59	ug/l	
77) Bromobenzene	12.761	156	21991	5.95	ug/l	89
78) n-propylbenzene	12.820	91	114026	5.76	ug/l	99
79) 2-Chlorotoluene	12.908	91	63494	5.79	ug/l	95
80) 1,3,5-Trimethylbenzene	12.961	105	75418	5.58	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.526	75	4839	5.63	ug/l	99
82) 4-Chlorotoluene	13.002	91	66338	5.72	ug/l	98
83) tert-Butylbenzene	13.220	119	65058	5.55	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	75880	5.64	ug/l	96
85) sec-Butylbenzene	13.402	105	89846	5.48	ug/l	100
86) p-Isopropyltoluene	13.514	119	81461	5.53	ug/l	98
87) 1,3-Dichlorobenzene	13.514	146	40999	5.74	ug/l	98
88) 1,4-Dichlorobenzene	13.590	146	40977	5.76	ug/l	94
89) n-Butylbenzene	13.843	91	79421	5.53	ug/l	99
90) Hexachloroethane	14.108	117	16476	6.17	ug/l	86
91) 1,2-Dichlorobenzene	13.884	146	37970	6.13	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.502	75	2386	5.69	ug/l	98
93) 1,2,4-Trichlorobenzene	15.161	180	28390	6.99	ug/l	98
94) Hexachlorobutadiene	15.267	225	14964	6.70	ug/l	97
95) Naphthalene	15.396	128	48814	6.47	ug/l	100
96) 1,2,3-Trichlorobenzene	15.590	180	24344	6.88	ug/l	95

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

