

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051221\
 Data File : VD069144.D
 Acq On : 12 May 2021 18:54
 Operator : VA/SY
 Sample : M2262-02 5PPBLOQ
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT2-2021

Manual Integrations
 APPROVED

MMDadoda
 5/13/2021 4:06:12 PM

Quant Time: May 13 04:38:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 13 04:37:04 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	268105	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	483406	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	448986	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	210736	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	148038	55.08	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.16%			
35) Dibromofluoromethane	7.920	113	153617	48.83	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.66%			
50) Toluene-d8	10.338	98	561900	48.61	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.22%			
62) 4-Bromofluorobenzene	12.626	95	179946	48.38	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 96.76%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	14171	4.97	ug/l	98
3) Chloromethane	2.209	50	18931	5.78	ug/l	97
4) Vinyl Chloride	2.350	62	20645	4.78	ug/l	94
5) Bromomethane	2.768	94	19267	5.93	ug/l	99
6) Chloroethane	2.926	64	12730	4.58	ug/l	90
7) Trichlorofluoromethane	3.273	101	33594	6.38	ug/l	90
8) Diethyl Ether	3.709	74	8228	6.84	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.097	101	16673	5.58	ug/l	97
10) Methyl Iodide	4.297	142	11737	4.12	ug/l	97
11) Tert butyl alcohol	5.179	59	15882m	86.46	ug/l	
12) 1,1-Dichloroethene	4.067	96	16293	6.07	ug/l	97
13) Acrolein	3.926	56	6660	30.46	ug/l	98
14) Allyl chloride	4.720	41	14236	4.84	ug/l	95
15) Acrylonitrile	5.414	53	11704m	26.07	ug/l	
16) Acetone	4.156	43	12420	30.17	ug/l	93
17) Carbon Disulfide	4.415	76	46887	5.27	ug/l #	93
18) Methyl Acetate	4.726	43	5968	5.97	ug/l	100
19) Methyl tert-butyl Ether	5.473	73	24851	5.11	ug/l	97
20) Methylene Chloride	4.962	84	57760	13.25	ug/l	97
21) trans-1,2-Dichloroethene	5.473	96	17161	5.40	ug/l	93
22) Diisopropyl ether	6.367	45	29292	4.98	ug/l #	86
23) Vinyl Acetate	6.309	43	77265	22.28	ug/l	98
24) 1,1-Dichloroethane	6.267	63	28172	5.55	ug/l	98
25) 2-Butanone	7.214	43	15348	27.51	ug/l #	80
26) 2,2-Dichloropropane	7.208	77	25761	5.43	ug/l	97
27) cis-1,2-Dichloroethene	7.220	96	18550	5.37	ug/l	97
28) Bromochloromethane	7.544	49	10215	5.64	ug/l	99
29) Tetrahydrofuran	7.567	42	7801	25.73	ug/l #	84
30) Chloroform	7.714	83	32541	5.69	ug/l	98
31) Cyclohexane	7.985	56	22675	5.69	ug/l #	83
32) 1,1,1-Trichloroethane	7.903	97	27676	5.34	ug/l	98
36) 1,1-Dichloropropene	8.114	75	21791	4.64	ug/l	97
37) Ethyl Acetate	7.303	43	8188	5.42	ug/l #	70
38) Carbon Tetrachloride	8.103	117	24079	4.58	ug/l	91
39) Methylcyclohexane	9.355	83	20570	4.15	ug/l #	92
40) Benzene	8.350	78	67853	5.04	ug/l	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	4178	5.20	ug/l #	89
42) 1,2-Dichloroethane	8.426	62	18451	5.02	ug/l	96
43) Isopropyl Acetate	8.450	43	13588	4.96	ug/l	96
44) Trichloroethene	9.108	130	18448	4.90	ug/l	90
45) 1,2-Dichloropropane	9.391	63	15698	4.94	ug/l #	87
46) Dibromomethane	9.479	93	9935	5.23	ug/l	97
47) Bromodichloromethane	9.661	83	22805	4.72	ug/l	94
48) Methyl methacrylate	9.450	41	6412	5.06	ug/l	89
49) 1,4-Dioxane	9.461	88	1680	94.04	ug/l #	60
51) 4-Methyl-2-Pentanone	10.226	43	33533	23.77	ug/l	96
52) Toluene	10.402	92	41392	4.76	ug/l	92
53) t-1,3-Dichloropropene	10.626	75	20096	4.73	ug/l	97
54) cis-1,3-Dichloropropene	10.091	75	23686	4.67	ug/l	95
55) 1,1,2-Trichloroethane	10.797	97	12929	5.05	ug/l	93
56) Ethyl methacrylate	10.661	69	10662	4.17	ug/l	89
57) 1,3-Dichloropropane	10.944	76	20223	4.89	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	27362	21.59	ug/l	99
59) 2-Hexanone	10.985	43	20173	21.43	ug/l	99
60) Dibromochloromethane	11.138	129	16195	4.93	ug/l	97
61) 1,2-Dibromoethane	11.244	107	12846	5.08	ug/l	98
64) Tetrachloroethene	10.873	164	15448	4.95	ug/l	98
65) Chlorobenzene	11.667	112	45632	4.90	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	17805	5.07	ug/l	97
67) Ethyl Benzene	11.744	91	72257	4.51	ug/l	97
68) m/p-Xylenes	11.855	106	52812	8.42	ug/l	94
69) o-Xylene	12.179	106	23476	4.21	ug/l	99
70) Styrene	12.191	104	40971	4.21	ug/l	98
71) Bromoform	12.361	173	8281	4.54	ug/l #	88
73) Isopropylbenzene	12.479	105	62313	4.23	ug/l	100
74) N-amyl acetate	12.285	43	11402	4.73	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.726	83	13563	5.08	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	9028m	5.70	ug/l	
77) Bromobenzene	12.755	156	17663	5.05	ug/l	93
78) n-propylbenzene	12.814	91	79187	4.46	ug/l	97
79) 2-Chlorotoluene	12.902	91	47742	4.83	ug/l	95
80) 1,3,5-Trimethylbenzene	12.955	105	53027	4.37	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.526	75	3584	4.57	ug/l	99
82) 4-Chlorotoluene	13.002	91	49789	4.73	ug/l	100
83) tert-Butylbenzene	13.220	119	43978	4.35	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	50452	4.13	ug/l	99
85) sec-Butylbenzene	13.396	105	64979	4.27	ug/l	100
86) p-Isopropyltoluene	13.508	119	53977	4.04	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	35438	5.01	ug/l	97
88) 1,4-Dichlorobenzene	13.591	146	35308	5.04	ug/l	93
89) n-Butylbenzene	13.838	91	51485	4.13	ug/l	98
90) Hexachloroethane	14.102	117	11763	4.69	ug/l	99
91) 1,2-Dichlorobenzene	13.885	146	29918	4.92	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.496	75	2292	5.53	ug/l	79
93) 1,2,4-Trichlorobenzene	15.155	180	17396	4.67	ug/l	100
94) Hexachlorobutadiene	15.261	225	10178	4.56	ug/l	90
95) Naphthalene	15.396	128	26655	4.27	ug/l	100
96) 1,2,3-Trichlorobenzene	15.590	180	14725	4.62	ug/l	98

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

