

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101321\
 Data File : VD070700.D
 Acq On : 13 Oct 2021 16:20
 Operator : VA/SY
 Sample : M4068-02 5PPBLOQ
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

Manual Integrations
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 10/19/2021 12:37:54 PM

Quant Time: Oct 14 04:37:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 14 04:36:03 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	294906	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	548397	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	516619	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	239740	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	181646	52.338	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.680%			
35) Dibromofluoromethane	7.914	113	183777	50.404	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.800%			
50) Toluene-d8	10.331	98	689747	49.485	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.980%			
62) 4-Bromofluorobenzene	12.625	95	231051	49.597	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.200%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	18507	5.145	ug/l	95
3) Chloromethane	2.208	50	23483	5.258	ug/l	92
4) Vinyl Chloride	2.344	62	26265	5.307	ug/l	93
5) Bromomethane	2.761	94	19321	5.726	ug/l	83
6) Chloroethane	2.920	64	15426	4.882	ug/l #	86
7) Trichlorofluoromethane	3.273	101	34659	5.404	ug/l	96
8) Diethyl Ether	3.708	74	8449	5.063	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.091	101	19836	5.103	ug/l	98
10) Methyl Iodide	4.302	142	15377	4.260	ug/l	98
11) Tert butyl alcohol	5.226	59	5413	31.484	ug/l #	95
12) 1,1-Dichloroethene	4.061	96	17435	5.038	ug/l	91
13) Acrolein	3.920	56	3686	22.330	ug/l	98
14) Allyl chloride	4.702	41	20475	4.250	ug/l	91
15) Acrylonitrile	5.420	53	19376	26.763	ug/l	94
16) Acetone	4.167	43	14269	24.211	ug/l	94
17) Carbon Disulfide	4.402	76	61757	4.888	ug/l #	94
18) Methyl Acetate	4.708	43	13911	6.117	ug/l	97
19) Methyl tert-butyl Ether	5.473	73	35741	5.184	ug/l	93
20) Methylene Chloride	4.955	84	34694	6.308	ug/l	94
21) trans-1,2-Dichloroethene	5.467	96	20782	5.105	ug/l	84
22) Diisopropyl ether	6.361	45	42748	4.320	ug/l #	92
23) Vinyl Acetate	6.308	43	89392	19.868	ug/l	94
24) 1,1-Dichloroethane	6.267	63	38548	5.288	ug/l	95
25) 2-Butanone	7.220	43	19534	25.315	ug/l	100
26) 2,2-Dichloropropane	7.208	77	29711	4.925	ug/l	100
27) cis-1,2-Dichloroethene	7.208	96	21747	5.084	ug/l	99
28) Bromochloromethane	7.543	49	12983	5.116	ug/l #	79
29) Tetrahydrofuran	7.561	42	12537	25.207	ug/l	97
30) Chloroform	7.708	83	40751	5.375	ug/l	98
31) Cyclohexane	7.979	56	32832	5.109	ug/l #	77
32) 1,1,1-Trichloroethane	7.908	97	35384	5.418	ug/l	96
36) 1,1-Dichloropropene	8.108	75	26915	4.621	ug/l	96
37) Ethyl Acetate	7.296	43	9331	4.822	ug/l #	85
38) Carbon Tetrachloride	8.096	117	31157	5.112	ug/l	93
39) Methylcyclohexane	9.349	83	29075	4.341	ug/l	93
40) Benzene	8.349	78	87148	5.077	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	4373	4.382	ug/l #	93
42) 1,2-Dichloroethane	8.420	62	23759	5.352	ug/l	96
43) Isopropyl Acetate	8.449	43	17573	4.956	ug/l	97
44) Trichloroethene	9.114	130	23448	5.539	ug/l	86
45) 1,2-Dichloropropane	9.384	63	21733	4.961	ug/l	99
46) Dibromomethane	9.473	93	11297	5.024	ug/l	96
47) Bromodichloromethane	9.655	83	29674	5.114	ug/l	92
48) Methyl methacrylate	9.449	41	7333	4.412	ug/l #	87
49) 1,4-Dioxane	9.461	88	2521	110.337	ug/l	94
51) 4-Methyl-2-Pentanone	10.220	43	43521	23.791	ug/l	99
52) Toluene	10.396	92	54062	5.126	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	26136	5.146	ug/l	94
54) cis-1,3-Dichloropropene	10.084	75	29490	4.823	ug/l	96
55) 1,1,2-Trichloroethane	10.790	97	16998	5.549	ug/l	94
56) Ethyl methacrylate	10.655	69	15864	4.849	ug/l	99
57) 1,3-Dichloropropane	10.937	76	26213	5.030	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.931	63	37392	25.335	ug/l	92
59) 2-Hexanone	10.979	43	27988	22.606	ug/l	97
60) Dibromochloromethane	11.131	129	19735	5.348	ug/l	99
61) 1,2-Dibromoethane	11.243	107	14866	5.212	ug/l	97
64) Tetrachloroethene	10.873	164	17346	5.236	ug/l	91
65) Chlorobenzene	11.661	112	56454	5.125	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.731	131	21162	5.164	ug/l	97
67) Ethyl Benzene	11.737	91	87567	4.606	ug/l	97
68) m/p-Xylenes	11.849	106	67083	8.961	ug/l	98
69) o-Xylene	12.167	106	30418	4.568	ug/l	100
70) Styrene	12.184	104	51091	4.355	ug/l	98
71) Bromoform	12.355	173	10751	5.588	ug/l #	94
73) Isopropylbenzene	12.473	105	78968	4.518	ug/l	99
74) N-amyl acetate	12.278	43	14538	4.414	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	19530	5.715	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	11606m	5.349	ug/l	
77) Bromobenzene	12.749	156	20984	5.370	ug/l	92
78) n-propylbenzene	12.814	91	102155	4.619	ug/l	99
79) 2-Chlorotoluene	12.896	91	62220	4.795	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	67172	4.506	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	4804	4.915	ug/l #	88
82) 4-Chlorotoluene	12.990	91	64030	4.720	ug/l	99
83) tert-Butylbenzene	13.208	119	56535	4.589	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	61586	4.152	ug/l	93
85) sec-Butylbenzene	13.390	105	84508	4.425	ug/l	98
86) p-Isopropyltoluene	13.502	119	68970	4.421	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	41146	5.014	ug/l	99
88) 1,4-Dichlorobenzene	13.578	146	43056	5.293	ug/l	93
89) n-Butylbenzene	13.831	91	66269	4.450	ug/l	98
90) Hexachloroethane	14.096	117	17669	5.239	ug/l	98
91) 1,2-Dichlorobenzene	13.878	146	37688	5.386	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.490	75	2646	5.363	ug/l	90
93) 1,2,4-Trichlorobenzene	15.143	180	19166	5.088	ug/l	98
94) Hexachlorobutadiene	15.255	225	12103	5.085	ug/l	96
95) Naphthalene	15.384	128	33953	4.992	ug/l	98
96) 1,2,3-Trichlorobenzene	15.572	180	16714	5.038	ug/l	90

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

