

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081721\
 Data File : VD070104.D
 Acq On : 18 Aug 2021 00:43
 Operator : VA/SY
 Sample : VD0817SBS02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0817SBS02

Manual Integrations
 APPROVED

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 8/18/2021 6:59:15 PM

Quant Time: Aug 18 04:33:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:33:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	462508	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	873755	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	847154	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	398490	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	307258	56.483	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.960%			
35) Dibromofluoromethane	7.914	113	313641	55.561	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.120%			
50) Toluene-d8	10.331	98	1211545	55.180	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 110.360%			
62) 4-Bromofluorobenzene	12.625	95	401423	55.508	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 111.020%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	112986	21.877	ug/l	100
3) Chloromethane	2.208	50	161078	22.713	ug/l	97
4) Vinyl Chloride	2.344	62	162551	20.767	ug/l	99
5) Bromomethane	2.749	94	111134	23.621	ug/l	96
6) Chloroethane	2.908	64	105659	21.129	ug/l	95
7) Trichlorofluoromethane	3.261	101	187007	19.892	ug/l	92
8) Diethyl Ether	3.708	74	57570	21.398	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.091	101	119751	20.022	ug/l	100
10) Methyl Iodide	4.296	142	103659	18.955	ug/l	99
11) Tert butyl alcohol	5.226	59	32086	106.714	ug/l #	90
12) 1,1-Dichloroethene	4.061	96	113725	20.697	ug/l	91
13) Acrolein	3.926	56	24112	69.620	ug/l	98
14) Allyl chloride	4.708	41	158645	19.350	ug/l	98
15) Acrylonitrile	5.420	53	134662	107.941	ug/l	98
16) Acetone	4.161	43	89940	89.751	ug/l	97
17) Carbon Disulfide	4.402	76	400271	20.148	ug/l	100
18) Methyl Acetate	4.714	43	72485	24.261	ug/l	96
19) Methyl tert-butyl Ether	5.473	73	238696	20.931	ug/l	100
20) Methylene Chloride	4.961	84	200578	25.350	ug/l	94
21) trans-1,2-Dichloroethene	5.467	96	134265	21.036	ug/l	96
22) Diisopropyl ether	6.361	45	382790	22.199	ug/l	96
23) Vinyl Acetate	6.302	43	800132	102.388	ug/l	100
24) 1,1-Dichloroethane	6.261	63	255381	21.646	ug/l	98
25) 2-Butanone	7.208	43	141737	103.510	ug/l	95
26) 2,2-Dichloropropane	7.208	77	164420	17.899	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	147381	21.743	ug/l	98
28) Bromochloromethane	7.543	49	103761	24.169	ug/l	99
29) Tetrahydrofuran	7.561	42	95544	106.559	ug/l	99
30) Chloroform	7.708	83	235049	20.258	ug/l	93
31) Cyclohexane	7.985	56	201102	18.677	ug/l	96
32) 1,1,1-Trichloroethane	7.896	97	204202	21.061	ug/l	99
36) 1,1-Dichloropropene	8.102	75	173609	18.469	ug/l	98
37) Ethyl Acetate	7.290	43	72969	21.372	ug/l	97
38) Carbon Tetrachloride	8.096	117	155210	18.188	ug/l	97
39) Methylcyclohexane	9.355	83	180594	16.501	ug/l	95
40) Benzene	8.349	78	574801	21.083	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	35898	19.447	ug/l	# 92
42) 1,2-Dichloroethane	8.420	62	150920	21.599	ug/l	96
43) Isopropyl Acetate	8.449	43	129932	20.384	ug/l	98
44) Trichloroethene	9.108	130	136386	20.708	ug/l	96
45) 1,2-Dichloropropane	9.384	63	141073	19.920	ug/l	96
46) Dibromomethane	9.473	93	71822	20.880	ug/l	98
47) Bromodichloromethane	9.655	83	190787	21.439	ug/l	97
48) Methyl methacrylate	9.449	41	59556	19.593	ug/l	98
49) 1,4-Dioxane	9.449	88	14433	385.567	ug/l	96
51) 4-Methyl-2-Pentanone	10.220	43	345890	104.362	ug/l	98
52) Toluene	10.396	92	351656	21.191	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	158169	20.065	ug/l	99
54) cis-1,3-Dichloropropene	10.084	75	190149	19.874	ug/l	98
55) 1,1,2-Trichloroethane	10.796	97	105473	21.642	ug/l	93
56) Ethyl methacrylate	10.655	69	113075	20.388	ug/l	96
57) 1,3-Dichloropropane	10.937	76	179427	21.266	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.937	63	287645	98.335	ug/l	98
59) 2-Hexanone	10.978	43	224210	101.013	ug/l	99
60) Dibromochloromethane	11.131	129	118492	21.224	ug/l	98
61) 1,2-Dibromoethane	11.237	107	96382	21.845	ug/l	99
64) Tetrachloroethene	10.873	164	107349	19.642	ug/l	99
65) Chlorobenzene	11.667	112	363629	20.544	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.737	131	130182	20.711	ug/l	99
67) Ethyl Benzene	11.737	91	605384	19.344	ug/l	98
68) m/p-Xylenes	11.849	106	489376	40.351	ug/l	98
69) o-Xylene	12.173	106	219808	20.087	ug/l	98
70) Styrene	12.184	104	392120	20.459	ug/l	99
71) Bromoform	12.349	173	64904	21.193	ug/l	# 99
73) Isopropylbenzene	12.473	105	563613	19.396	ug/l	98
74) N-amyl acetate	12.278	43	120403	19.217	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	120986	20.866	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	80579m	19.939	ug/l	
77) Bromobenzene	12.755	156	134383	20.835	ug/l	97
78) n-propylbenzene	12.814	91	729524	19.467	ug/l	100
79) 2-Chlorotoluene	12.896	91	432849	20.075	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	492639	19.914	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	27558	17.700	ug/l	94
82) 4-Chlorotoluene	12.996	91	458668	20.316	ug/l	100
83) tert-Butylbenzene	13.214	119	383890	19.091	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	493172	20.096	ug/l	100
85) sec-Butylbenzene	13.390	105	616383	19.132	ug/l	98
86) p-Isopropyltoluene	13.508	119	502534	19.308	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	280780	20.489	ug/l	98
88) 1,4-Dichlorobenzene	13.584	146	273500	20.150	ug/l	98
89) n-Butylbenzene	13.831	91	462738	18.117	ug/l	99
90) Hexachloroethane	14.096	117	108601	19.773	ug/l	98
91) 1,2-Dichlorobenzene	13.878	146	242517	20.653	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	16897	19.510	ug/l	97
93) 1,2,4-Trichlorobenzene	15.149	180	128021	19.605	ug/l	97
94) Hexachlorobutadiene	15.249	225	73714	19.110	ug/l	98
95) Naphthalene	15.384	128	221837	18.666	ug/l	99
96) 1,2,3-Trichlorobenzene	15.578	180	114259	20.045	ug/l	98

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

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