

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081821\
 Data File : VD070135.D
 Acq On : 18 Aug 2021 18:45
 Operator : VA/SY
 Sample : M3435-18MSD
 Misc : 9.51G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SWCS-24-0306MSD

Manual Integrations
 APPROVED

MMDadoda
 8/19/2021 6:16:32 PM

Quant Time: Aug 19 07:33:18 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	464007	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	838212	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	788786	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	349678	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	296287	54.290	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.580%			
35) Dibromofluoromethane	7.909	113	291103	53.755	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.500%			
50) Toluene-d8	10.338	98	1092484	51.868	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.740%			
62) 4-Bromofluorobenzene	12.626	95	351192	50.622	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.240%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	207530	46.130	ug/l	99
3) Chloromethane	2.209	50	305927	47.315	ug/l	99
4) Vinyl Chloride	2.344	62	346039	44.066	ug/l	95
5) Bromomethane	2.756	94	220087	51.185	ug/l	93
6) Chloroethane	2.915	64	226343	45.117	ug/l	96
7) Trichlorofluoromethane	3.268	101	429323	45.519	ug/l	93
8) Diethyl Ether	3.703	74	146289	54.197	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.091	101	272257	45.373	ug/l	99
10) Methyl Iodide	4.297	142	276031	50.313	ug/l	99
11) Tert butyl alcohol	5.232	59	77361	256.461	ug/l	100
12) 1,1-Dichloroethene	4.068	96	257571	46.724	ug/l	96
13) Acrolein	3.926	56	23671	68.126	ug/l	99
14) Allyl chloride	4.715	41	370995	45.104	ug/l	99
15) Acrylonitrile	5.420	53	357813	285.885	ug/l	99
16) Acetone	4.156	43	253854	252.502	ug/l	94
17) Carbon Disulfide	4.403	76	909029	45.609	ug/l	99
18) Methyl Acetate	4.715	43	201183	67.119	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	631172	55.168	ug/l	98
20) Methylene Chloride	4.962	84	344536	50.339	ug/l	99
21) trans-1,2-Dichloroethene	5.467	96	308834	48.230	ug/l	99
22) Diisopropyl ether	6.362	45	935571	54.081	ug/l	97
23) Vinyl Acetate	6.303	43	1040360	132.698	ug/l	98
24) 1,1-Dichloroethane	6.262	63	580313	49.029	ug/l	100
25) 2-Butanone	7.209	43	399471	290.789	ug/l	96
26) 2,2-Dichloropropane	7.203	77	428972	46.548	ug/l	99
27) cis-1,2-Dichloroethene	7.209	96	349564	51.405	ug/l	98
28) Bromochloromethane	7.544	49	220738	51.249	ug/l	98
29) Tetrahydrofuran	7.561	42	267953	297.878	ug/l	99
30) Chloroform	7.703	83	570700	49.029	ug/l	96
31) Cyclohexane	7.979	56	468823	43.401	ug/l	97
32) 1,1,1-Trichloroethane	7.903	97	478796	49.223	ug/l	98
36) 1,1-Dichloropropene	8.109	75	438448	48.622	ug/l	99
37) Ethyl Acetate	7.291	43	189756	57.935	ug/l	99
38) Carbon Tetrachloride	8.097	117	401317	49.022	ug/l	95
39) Methylcyclohexane	9.350	83	433334	41.274	ug/l	98
40) Benzene	8.350	78	1311415	50.140	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	95855	54.131	ug/l	98
42) 1,2-Dichloroethane	8.420	62	361364	53.910	ug/l	98
43) Isopropyl Acetate	8.450	43	336671	55.058	ug/l	100
44) Trichloroethene	9.108	130	307273	48.633	ug/l	99
45) 1,2-Dichloropropane	9.385	63	334501	49.237	ug/l	93
46) Dibromomethane	9.473	93	177196	53.699	ug/l	98
47) Bromodichloromethane	9.656	83	453770	53.152	ug/l	98
48) Methyl methacrylate	9.456	41	150560	51.633	ug/l #	89
49) 1,4-Dioxane	9.456	88	42962	1196.364	ug/l	94
51) 4-Methyl-2-Pentanone	10.226	43	955990	300.673	ug/l	99
52) Toluene	10.397	92	805590	50.604	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	406904	53.809	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	480118	52.310	ug/l	99
55) 1,1,2-Trichloroethane	10.791	97	256464	54.855	ug/l	98
56) Ethyl methacrylate	10.655	69	313810	58.982	ug/l	99
57) 1,3-Dichloropropane	10.938	76	444689	54.941	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	837281	298.371	ug/l	100
59) 2-Hexanone	10.979	43	637761	299.513	ug/l	99
60) Dibromochloromethane	11.132	129	291094	54.351	ug/l	97
61) 1,2-Dibromoethane	11.238	107	236938	55.979	ug/l	98
64) Tetrachloroethene	10.873	164	231038	45.403	ug/l	97
65) Chlorobenzene	11.661	112	846128	51.341	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	301541	51.522	ug/l	99
67) Ethyl Benzene	11.738	91	1447237	49.667	ug/l	100
68) m/p-Xylenes	11.850	106	1132200	100.263	ug/l	98
69) o-Xylene	12.173	106	521419	51.175	ug/l	98
70) Styrene	12.185	104	877337	49.163	ug/l	99
71) Bromoform	12.349	173	159317	55.871	ug/l #	98
73) Isopropylbenzene	12.473	105	1308564	51.317	ug/l	99
74) N-amyl acetate	12.279	43	252322	45.894	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	296848	58.344	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	189574m	53.458	ug/l	
77) Bromobenzene	12.749	156	302325	53.417	ug/l	99
78) n-propylbenzene	12.808	91	1638659	49.830	ug/l	99
79) 2-Chlorotoluene	12.897	91	948241	50.118	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	1104396	50.874	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	80554	58.961	ug/l	99
82) 4-Chlorotoluene	12.996	91	990422	49.993	ug/l	100
83) tert-Butylbenzene	13.214	119	902197	51.131	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	1103764	51.256	ug/l	99
85) sec-Butylbenzene	13.391	105	1333281	47.162	ug/l	99
86) p-Isopropyltoluene	13.502	119	1087396	47.610	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	582700	48.456	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	571460	47.979	ug/l	98
89) n-Butylbenzene	13.832	91	961278	42.890	ug/l	99
90) Hexachloroethane	14.102	117	224587	46.598	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	516175	50.094	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	42123	55.426	ug/l	97
93) 1,2,4-Trichlorobenzene	15.143	180	236375	41.251	ug/l	98
94) Hexachlorobutadiene	15.249	225	119646	35.347	ug/l	99
95) Naphthalene	15.385	128	539664	51.747	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	212620	42.507	ug/l	99

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

