

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081821\
 Data File : VD070122.D
 Acq On : 18 Aug 2021 12:29
 Operator : VA/SY
 Sample : M3390-19MS
 Misc : 6.13G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SWCS-10-0510MS

Manual Integrations
 APPROVED

MMDadoda
 8/19/2021 6:16:27 PM

Quant Time: Aug 19 07:28:50 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	7.973	168	382042	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	725412	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	721783	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	346415	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	288750	64.261	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.520%	
35) Dibromofluoromethane	7.908	113	266151	56.789	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.580%	
50) Toluene-d8	10.338	98	979872	53.755	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.520%	
62) 4-Bromofluorobenzene	12.626	95	337636	56.235	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 112.480%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	176224	47.804	ug/l	99
3) Chloromethane	2.209	50	274820	52.063	ug/l	99
4) Vinyl Chloride	2.344	62	298499	46.167	ug/l	100
5) Bromomethane	2.756	94	191491	54.355	ug/l	99
6) Chloroethane	2.914	64	205257	49.692	ug/l	97
7) Trichlorofluoromethane	3.261	101	366701	47.221	ug/l	96
8) Diethyl Ether	3.703	74	146058	65.721	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.091	101	230697	46.696	ug/l	99
10) Methyl Iodide	4.297	142	247959	54.893	ug/l	99
11) Tert butyl alcohol	5.232	59	88150	354.924	ug/l	99
12) 1,1-Dichloroethene	4.061	96	229554	50.576	ug/l	98
13) Acrolein	3.920	56	71150	248.705	ug/l	98
14) Allyl chloride	4.714	41	367901	54.323	ug/l	99
15) Acrylonitrile	5.420	53	407553	395.487	ug/l	99
16) Acetone	4.156	43	342432	413.684	ug/l	95
17) Carbon Disulfide	4.403	76	804145	49.003	ug/l	99
18) Methyl Acetate	4.714	43	193440	78.381	ug/l	99
19) Methyl tert-butyl Ether	5.473	73	648140	68.806	ug/l	97
20) Methylene Chloride	4.961	84	415342	78.224	ug/l	98
21) trans-1,2-Dichloroethene	5.461	96	274685	52.101	ug/l	96
22) Diisopropyl ether	6.361	45	913278	64.119	ug/l	99
23) Vinyl Acetate	6.303	43	2411574	373.589	ug/l	98
24) 1,1-Dichloroethane	6.255	63	537688	55.174	ug/l	99
25) 2-Butanone	7.214	43	467037	412.912	ug/l	93
26) 2,2-Dichloropropane	7.208	77	412552	54.371	ug/l	100
27) cis-1,2-Dichloroethene	7.208	96	323610	57.798	ug/l	99
28) Bromochloromethane	7.544	49	217186	61.243	ug/l	98
29) Tetrahydrofuran	7.561	42	316834	427.784	ug/l	100
30) Chloroform	7.708	83	514452	53.679	ug/l	99
31) Cyclohexane	7.979	56	413221	46.461	ug/l	99
32) 1,1,1-Trichloroethane	7.897	97	420267	52.475	ug/l	99
36) 1,1-Dichloropropene	8.108	75	373454	47.855	ug/l	99
37) Ethyl Acetate	7.297	43	213853	75.445	ug/l	97
38) Carbon Tetrachloride	8.091	117	354391	50.021	ug/l	93
39) Methylcyclohexane	9.355	83	372368	40.982	ug/l	100
40) Benzene	8.349	78	1196978	52.881	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	109889	71.705	ug/l #	90
42) 1,2-Dichloroethane	8.420	62	361153	62.257	ug/l	100
43) Isopropyl Acetate	8.449	43	374776	70.820	ug/l	98
44) Trichloroethene	9.108	130	279056	51.035	ug/l	98
45) 1,2-Dichloropropane	9.385	63	314375	53.470	ug/l	98
46) Dibromomethane	9.473	93	185373	64.913	ug/l	96
47) Bromodichloromethane	9.655	83	435815	58.987	ug/l	99
48) Methyl methacrylate	9.449	41	163811	64.912	ug/l	92
49) 1,4-Dioxane	9.461	88	47606	1531.827	ug/l	99
51) 4-Methyl-2-Pentanone	10.226	43	1080045	392.511	ug/l	100
52) Toluene	10.396	92	734366	53.303	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	421129	64.350	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	483044	60.812	ug/l	96
55) 1,1,2-Trichloroethane	10.796	97	263994	65.246	ug/l	96
56) Ethyl methacrylate	10.655	69	337451	73.287	ug/l	97
57) 1,3-Dichloropropane	10.938	76	461243	65.848	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	959736	395.191	ug/l	100
59) 2-Hexanone	10.979	43	760859	412.887	ug/l	99
60) Dibromochloromethane	11.132	129	292825	63.176	ug/l	99
61) 1,2-Dibromoethane	11.238	107	247730	67.629	ug/l	98
64) Tetrachloroethene	10.873	164	206360	44.318	ug/l	97
65) Chlorobenzene	11.661	112	769075	50.998	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	289685	54.091	ug/l	99
67) Ethyl Benzene	11.738	91	1332873	49.988	ug/l	100
68) m/p-Xylenes	11.843	106	1043396	100.976	ug/l	100
69) o-Xylene	12.173	106	493923	52.976	ug/l	97
70) Styrene	12.185	104	908136	55.613	ug/l	99
71) Bromoform	12.349	173	168821	64.700	ug/l #	98
73) Isopropylbenzene	12.473	105	1210593	47.922	ug/l	99
74) N-amyl acetate	12.279	43	361885	66.442	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	321405	63.765	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	168236m	47.888	ug/l	
77) Bromobenzene	12.749	156	299385	53.396	ug/l	96
78) n-propylbenzene	12.814	91	1561968	47.945	ug/l	99
79) 2-Chlorotoluene	12.896	91	923488	49.270	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	1054550	49.035	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	99635	73.614	ug/l	96
82) 4-Chlorotoluene	12.996	91	975595	49.709	ug/l	100
83) tert-Butylbenzene	13.214	119	830639	47.519	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	1075560	50.417	ug/l	100
85) sec-Butylbenzene	13.390	105	1284402	45.861	ug/l	99
86) p-Isopropyltoluene	13.508	119	1074159	47.473	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	595153	49.958	ug/l	100
88) 1,4-Dichlorobenzene	13.584	146	592805	50.240	ug/l	99
89) n-Butylbenzene	13.832	91	1009820	45.480	ug/l	99
90) Hexachloroethane	14.102	117	227129	47.569	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	541963	53.092	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	50356	66.884	ug/l	97
93) 1,2,4-Trichlorobenzene	15.149	180	294185	51.824	ug/l	98
94) Hexachlorobutadiene	15.255	225	146093	43.567	ug/l	99
95) Naphthalene	15.384	128	669293	64.781	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	275893	55.676	ug/l	98

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

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