

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081821\
 Data File : VD070120.D
 Acq On : 18 Aug 2021 11:32
 Operator : VA/SY
 Sample : VD0818SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/19/2021 6:16:25 PM

Quant Time: Aug 19 07:27:57 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	495686	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	895534	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	862353	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	410836	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	296424	50.844	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.680%	
35) Dibromofluoromethane	7.914	113	297386	51.400	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.800%	
50) Toluene-d8	10.338	98	1170201	52.001	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.000%	
62) 4-Bromofluorobenzene	12.626	95	385175	51.966	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 103.940%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	128027	23.549	ug/l	100
3) Chloromethane	2.209	50	165127	21.515	ug/l	100
4) Vinyl Chloride	2.344	62	176490	21.038	ug/l	99
5) Bromomethane	2.750	94	110043	21.468	ug/l	98
6) Chloroethane	2.909	64	108893	20.319	ug/l	97
7) Trichlorofluoromethane	3.268	101	201685	20.017	ug/l	97
8) Diethyl Ether	3.709	74	57757	20.030	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.091	101	133756	20.867	ug/l	98
10) Methyl Iodide	4.297	142	112341	19.168	ug/l	99
11) Tert butyl alcohol	5.232	59	38326	118.935	ug/l #	84
12) 1,1-Dichloroethene	4.068	96	118425	20.110	ug/l	97
13) Acrolein	3.915	56	31402	84.600	ug/l	97
14) Allyl chloride	4.709	41	170755	19.433	ug/l	97
15) Acrylonitrile	5.420	53	137735	103.014	ug/l	100
16) Acetone	4.162	43	98426	91.645	ug/l	95
17) Carbon Disulfide	4.403	76	431830	20.282	ug/l	99
18) Methyl Acetate	4.715	43	67645	21.126	ug/l	96
19) Methyl tert-butyl Ether	5.479	73	241158	19.732	ug/l	99
20) Methylene Chloride	4.962	84	177533	19.240	ug/l	97
21) trans-1,2-Dichloroethene	5.468	96	138928	20.310	ug/l	94
22) Diisopropyl ether	6.362	45	390410	21.125	ug/l	99
23) Vinyl Acetate	6.309	43	827783	98.836	ug/l	98
24) 1,1-Dichloroethane	6.262	63	256905	20.318	ug/l	98
25) 2-Butanone	7.215	43	146042	99.515	ug/l	96
26) 2,2-Dichloropropane	7.203	77	193331	19.638	ug/l	100
27) cis-1,2-Dichloroethene	7.209	96	148109	20.388	ug/l	98
28) Bromochloromethane	7.538	49	102259	22.224	ug/l	97
29) Tetrahydrofuran	7.562	42	97437	101.396	ug/l	99
30) Chloroform	7.709	83	265971	21.389	ug/l	99
31) Cyclohexane	7.985	56	228505	19.802	ug/l	98
32) 1,1,1-Trichloroethane	7.897	97	214329	20.626	ug/l	99
36) 1,1-Dichloropropene	8.109	75	196362	20.382	ug/l	100
37) Ethyl Acetate	7.285	43	73135	20.900	ug/l	97
38) Carbon Tetrachloride	8.091	117	180536	20.641	ug/l	96
39) Methylcyclohexane	9.356	83	218754	19.502	ug/l	98
40) Benzene	8.350	78	582263	20.837	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	42051	22.227	ug/l	89
42) 1,2-Dichloroethane	8.426	62	151574	21.165	ug/l	99
43) Isopropyl Acetate	8.450	43	134355	20.566	ug/l	98
44) Trichloroethene	9.109	130	138922	20.580	ug/l	93
45) 1,2-Dichloropropane	9.385	63	154614	21.302	ug/l	99
46) Dibromomethane	9.467	93	73523	20.855	ug/l	98
47) Bromodichloromethane	9.661	83	195318	21.414	ug/l	97
48) Methyl methacrylate	9.456	41	58583	18.804	ug/l	91
49) 1,4-Dioxane	9.456	88	15113	393.914	ug/l	96
51) 4-Methyl-2-Pentanone	10.226	43	345282	101.645	ug/l	99
52) Toluene	10.397	92	359182	21.118	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	165924	20.537	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	201088	20.507	ug/l	98
55) 1,1,2-Trichloroethane	10.797	97	106057	21.232	ug/l	95
56) Ethyl methacrylate	10.656	69	109266	19.222	ug/l	97
57) 1,3-Dichloropropane	10.944	76	181783	21.022	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	291185	97.124	ug/l	98
59) 2-Hexanone	10.979	43	230083	101.138	ug/l	97
60) Dibromochloromethane	11.138	129	121430	21.221	ug/l	98
61) 1,2-Dibromoethane	11.238	107	98411	21.762	ug/l	98
64) Tetrachloroethene	10.873	164	114120	20.513	ug/l	94
65) Chlorobenzene	11.661	112	365351	20.278	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	130068	20.328	ug/l	97
67) Ethyl Benzene	11.738	91	635225	19.940	ug/l	100
68) m/p-Xylenes	11.844	106	506607	41.036	ug/l	97
69) o-Xylene	12.173	106	220495	19.794	ug/l	99
70) Styrene	12.185	104	402472	20.629	ug/l	99
71) Bromoform	12.350	173	64939	20.831	ug/l #	98
73) Isopropylbenzene	12.473	105	590162	19.699	ug/l	98
74) N-amyl acetate	12.279	43	125794	19.474	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	122003	20.409	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	80439m	19.306	ug/l	
77) Bromobenzene	12.750	156	136926	20.592	ug/l	98
78) n-propylbenzene	12.814	91	774621	20.049	ug/l	99
79) 2-Chlorotoluene	12.897	91	441022	19.840	ug/l	99
80) 1,3,5-Trimethylbenzene	12.950	105	517132	20.275	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	30327	18.893	ug/l	97
82) 4-Chlorotoluene	12.997	91	473728	20.353	ug/l	99
83) tert-Butylbenzene	13.214	119	408266	19.693	ug/l	97
84) 1,2,4-Trimethylbenzene	13.261	105	508333	20.092	ug/l	99
85) sec-Butylbenzene	13.391	105	663724	19.983	ug/l	99
86) p-Isopropyltoluene	13.502	119	530915	19.785	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	286525	20.280	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	278227	19.882	ug/l	97
89) n-Butylbenzene	13.832	91	512268	19.454	ug/l	97
90) Hexachloroethane	14.097	117	114404	20.203	ug/l	98
91) 1,2-Dichlorobenzene	13.879	146	249544	20.613	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.491	75	17301	19.376	ug/l	97
93) 1,2,4-Trichlorobenzene	15.149	180	130828	19.433	ug/l	99
94) Hexachlorobutadiene	15.249	225	78586	19.761	ug/l	98
95) Naphthalene	15.385	128	225435	18.398	ug/l	98
96) 1,2,3-Trichlorobenzene	15.573	180	116768	19.869	ug/l	97

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

