

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092221\
 Data File : VD070418.D
 Acq On : 22 Sep 2021 11:11
 Operator : VA/SY
 Sample : VD0922SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0922SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/23/2021 11:35:32 AM

Quant Time: Sep 23 05:29:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	367858	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	640083	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	618113	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	299428	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	222302	47.064	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.120%
35) Dibromofluoromethane	7.908	113	228428	50.136	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.280%
50) Toluene-d8	10.332	98	870010	52.593	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.180%
62) 4-Bromofluorobenzene	12.626	95	292531	50.599	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	101.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	82008	19.591	ug/l	100
3) Chloromethane	2.209	50	103138	18.148	ug/l	98
4) Vinyl Chloride	2.344	62	115436	19.945	ug/l	95
5) Bromomethane	2.750	94	74489	17.847	ug/l	95
6) Chloroethane	2.909	64	73500	18.721	ug/l	97
7) Trichlorofluoromethane	3.267	101	152668	19.943	ug/l	97
8) Diethyl Ether	3.709	74	39703	18.761	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.091	101	94966	19.971	ug/l	98
10) Methyl Iodide	4.297	142	76708	17.533	ug/l	99
11) Tert butyl alcohol	5.197	59	56670	106.111	ug/l #	100
12) 1,1-Dichloroethene	4.067	96	79111	18.472	ug/l	96
13) Acrolein	3.926	56	15914	67.775	ug/l	93
14) Allyl chloride	4.714	41	107800	17.129	ug/l	96
15) Acrylonitrile	5.420	53	96389	95.595	ug/l	98
16) Acetone	4.156	43	78592	93.197	ug/l	94
17) Carbon Disulfide	4.403	76	290525	18.386	ug/l	96
18) Methyl Acetate	4.714	43	46656	19.227	ug/l #	72
19) Methyl tert-butyl Ether	5.479	73	167396	18.087	ug/l	96
20) Methylene Chloride	4.961	84	124518	19.225	ug/l	98
21) trans-1,2-Dichloroethene	5.467	96	94238	18.485	ug/l	98
22) Diisopropyl ether	6.361	45	242795	18.025	ug/l	96
23) Vinyl Acetate	6.303	43	535421	85.803	ug/l	98
24) 1,1-Dichloroethane	6.261	63	173119	18.164	ug/l #	98
25) 2-Butanone	7.214	43	102622	91.419	ug/l	93
26) 2,2-Dichloropropane	7.208	77	144914	18.811	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	100270	18.310	ug/l	98
28) Bromochloromethane	7.550	49	66540	17.596	ug/l	94
29) Tetrahydrofuran	7.561	42	64464	89.458	ug/l	98
30) Chloroform	7.708	83	183386	18.769	ug/l	92
31) Cyclohexane	7.985	56	146413	17.995	ug/l	98
32) 1,1,1-Trichloroethane	7.897	97	157045	19.096	ug/l	99
36) 1,1-Dichloropropene	8.108	75	135972	19.874	ug/l	98
37) Ethyl Acetate	7.291	43	49889	19.501	ug/l	98
38) Carbon Tetrachloride	8.091	117	135590	20.039	ug/l	97
39) Methylcyclohexane	9.349	83	142720	18.673	ug/l	98
40) Benzene	8.350	78	398267	19.864	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	24613	18.285	ug/l	94
42) 1,2-Dichloroethane	8.420	62	104982	19.550	ug/l	99
43) Isopropyl Acetate	8.450	43	89172	18.851	ug/l	99
44) Trichloroethene	9.108	130	94521	19.726	ug/l	89
45) 1,2-Dichloropropane	9.379	63	100951	19.191	ug/l	97
46) Dibromomethane	9.467	93	51495	19.011	ug/l	98
47) Bromodichloromethane	9.655	83	135210	19.566	ug/l	96
48) Methyl methacrylate	9.449	41	42605	19.507	ug/l	94
49) 1,4-Dioxane	9.461	88	12144	447.612	ug/l #	96
51) 4-Methyl-2-Pentanone	10.226	43	241396	98.619	ug/l	97
52) Toluene	10.396	92	242454	20.014	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	116978	19.679	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	142369	19.680	ug/l	97
55) 1,1,2-Trichloroethane	10.791	97	74453	19.980	ug/l	94
56) Ethyl methacrylate	10.655	69	73142	17.980	ug/l	96
57) 1,3-Dichloropropane	10.938	76	124903	19.688	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	210339	107.281	ug/l	100
59) 2-Hexanone	10.979	43	160015	97.979	ug/l	97
60) Dibromochloromethane	11.138	129	88279	20.357	ug/l	99
61) 1,2-Dibromoethane	11.238	107	68237	19.912	ug/l	97
64) Tetrachloroethene	10.873	164	78563	20.876	ug/l	95
65) Chlorobenzene	11.661	112	251958	19.677	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	93308	19.896	ug/l	98
67) Ethyl Benzene	11.738	91	420036	19.020	ug/l	100
68) m/p-Xylenes	11.849	106	342515	40.158	ug/l	99
69) o-Xylene	12.173	106	145483	19.040	ug/l	95
70) Styrene	12.190	104	267349	20.029	ug/l	100
71) Bromoform	12.349	173	45835	19.774	ug/l #	97
73) Isopropylbenzene	12.473	105	392839	18.708	ug/l	99
74) N-amyl acetate	12.279	43	81991	17.920	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	87580	19.473	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	55326m	18.267	ug/l	
77) Bromobenzene	12.749	156	92696	19.134	ug/l	98
78) n-propylbenzene	12.808	91	521644	19.140	ug/l	100
79) 2-Chlorotoluene	12.896	91	302599	19.048	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	351352	19.387	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	24547	20.307	ug/l	98
82) 4-Chlorotoluene	12.996	91	326900	19.506	ug/l	99
83) tert-Butylbenzene	13.214	119	269980	18.575	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	343767	19.263	ug/l	100
85) sec-Butylbenzene	13.390	105	440555	19.069	ug/l	99
86) p-Isopropyltoluene	13.502	119	359472	19.365	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	194111	19.245	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	194543	19.216	ug/l	98
89) n-Butylbenzene	13.832	91	341768	18.466	ug/l	97
90) Hexachloroethane	14.096	117	79858	18.793	ug/l	97
91) 1,2-Dichlorobenzene	13.879	146	169291	19.023	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	12471	18.515	ug/l	98
93) 1,2,4-Trichlorobenzene	15.143	180	86447	17.988	ug/l	99
94) Hexachlorobutadiene	15.249	225	56978	19.329	ug/l	97
95) Naphthalene	15.379	128	154621	17.704	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	77306	18.232	ug/l	98

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

