

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091021\
 Data File : VD070297.D
 Acq On : 10 Sep 2021 13:49
 Operator : VA/SY
 Sample : VD0910SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/13/2021 7:32:59 PM

Quant Time: Sep 11 02:24:51 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	387613	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	693578	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	658646	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	310703	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	247414	49.711	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.420%		
35) Dibromofluoromethane	7.914	113	245074	49.640	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.280%		
50) Toluene-d8	10.338	98	973493	54.309	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	108.620%		
62) 4-Bromofluorobenzene	12.626	95	328079	52.371	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	104.740%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	99028	23.165	ug/l	98
3) Chloromethane	2.209	50	126817	21.912	ug/l	98
4) Vinyl Chloride	2.344	62	130602	21.415	ug/l	99
5) Bromomethane	2.756	94	93889	22.489	ug/l	99
6) Chloroethane	2.915	64	87456	21.643	ug/l	100
7) Trichlorofluoromethane	3.268	101	181453	22.495	ug/l	97
8) Diethyl Ether	3.709	74	42672	19.136	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.091	101	110401	22.034	ug/l	97
10) Methyl Iodide	4.303	142	83677	18.115	ug/l	99
11) Tert butyl alcohol	5.191	59	61335	108.993	ug/l #	100
12) 1,1-Dichloroethene	4.062	96	93819	20.790	ug/l	95
13) Acrolein	3.926	56	22188	89.679	ug/l	91
14) Allyl chloride	4.715	41	134852	20.336	ug/l	94
15) Acrylonitrile	5.420	53	100477	94.571	ug/l	97
16) Acetone	4.156	43	85529	96.254	ug/l	93
17) Carbon Disulfide	4.409	76	346539	20.814	ug/l	98
18) Methyl Acetate	4.720	43	52315	20.560	ug/l	93
19) Methyl tert-butyl Ether	5.479	73	188592	19.339	ug/l	97
20) Methylene Chloride	4.962	84	175599	28.606	ug/l	95
21) trans-1,2-Dichloroethene	5.467	96	110450	20.561	ug/l	98
22) Diisopropyl ether	6.361	45	300109	21.145	ug/l	96
23) Vinyl Acetate	6.303	43	631045	95.973	ug/l #	93
24) 1,1-Dichloroethane	6.261	63	203700	20.284	ug/l	99
25) 2-Butanone	7.208	43	113066	95.589	ug/l	97
26) 2,2-Dichloropropane	7.208	77	168943	20.813	ug/l	98
27) cis-1,2-Dichloroethene	7.214	96	112668	19.525	ug/l	92
28) Bromochloromethane	7.538	49	72292	18.143	ug/l	91
29) Tetrahydrofuran	7.561	42	73442	96.723	ug/l	93
30) Chloroform	7.708	83	205560	19.966	ug/l	100
31) Cyclohexane	7.985	56	184893	21.566	ug/l	96
32) 1,1,1-Trichloroethane	7.903	97	177011	20.427	ug/l	97
36) 1,1-Dichloropropene	8.108	75	155598	20.989	ug/l	98
37) Ethyl Acetate	7.291	43	54175	19.543	ug/l	98
38) Carbon Tetrachloride	8.097	117	149633	20.408	ug/l	96
39) Methylcyclohexane	9.355	83	173364	20.933	ug/l	95
40) Benzene	8.350	78	454293	20.911	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	30297	20.772	ug/l #	87
42) 1,2-Dichloroethane	8.420	62	117792	20.244	ug/l	99
43) Isopropyl Acetate	8.450	43	98755	19.267	ug/l	98
44) Trichloroethene	9.108	130	107513	20.707	ug/l	87
45) 1,2-Dichloropropane	9.385	63	118397	20.772	ug/l	96
46) Dibromomethane	9.473	93	56573	19.274	ug/l	99
47) Bromodichloromethane	9.655	83	151582	20.243	ug/l	97
48) Methyl methacrylate	9.450	41	49950	21.106	ug/l	91
49) 1,4-Dioxane	9.455	88	11963	406.931	ug/l	95
51) 4-Methyl-2-Pentanone	10.226	43	261821	98.713	ug/l	93
52) Toluene	10.397	92	279111	21.262	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	128959	20.021	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	158002	20.156	ug/l #	92
55) 1,1,2-Trichloroethane	10.797	97	79694	19.737	ug/l	96
56) Ethyl methacrylate	10.655	69	81717	18.539	ug/l	92
57) 1,3-Dichloropropane	10.938	76	138814	20.193	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	210665	99.160	ug/l	97
59) 2-Hexanone	10.979	43	173733	98.174	ug/l	94
60) Dibromochloromethane	11.138	129	93313	19.858	ug/l	97
61) 1,2-Dibromoethane	11.244	107	75548	20.345	ug/l	96
64) Tetrachloroethene	10.873	164	85396	21.295	ug/l	98
65) Chlorobenzene	11.661	112	285844	20.949	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.738	131	104278	20.867	ug/l	98
67) Ethyl Benzene	11.738	91	498889	21.200	ug/l	100
68) m/p-Xylenes	11.849	106	396093	43.582	ug/l	98
69) o-Xylene	12.173	106	168544	20.700	ug/l	94
70) Styrene	12.191	104	303472	21.336	ug/l	97
71) Bromoform	12.355	173	48901	19.799	ug/l	97
73) Isopropylbenzene	12.473	105	458116	21.025	ug/l	100
74) N-amyl acetate	12.279	43	91582	19.290	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.726	83	91344	19.573	ug/l	100
76) 1,2,3-Trichloropropane	12.779	75	61364m	19.525	ug/l	
77) Bromobenzene	12.755	156	104699	20.827	ug/l	98
78) n-propylbenzene	12.814	91	609389	21.548	ug/l	100
79) 2-Chlorotoluene	12.896	91	347875	21.103	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	401964	21.375	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	24307	19.379	ug/l	93
82) 4-Chlorotoluene	12.996	91	370192	21.287	ug/l	99
83) tert-Butylbenzene	13.214	119	317724	21.066	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	402904	21.757	ug/l	99
85) sec-Butylbenzene	13.391	105	523562	21.839	ug/l	98
86) p-Isopropyltoluene	13.508	119	421159	21.865	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	220715	21.088	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	222423	21.172	ug/l	99
89) n-Butylbenzene	13.832	91	405438	21.111	ug/l	98
90) Hexachloroethane	14.102	117	89114	20.210	ug/l	100
91) 1,2-Dichlorobenzene	13.879	146	186994	20.250	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.496	75	12839	18.370	ug/l	93
93) 1,2,4-Trichlorobenzene	15.149	180	97190	19.490	ug/l	99
94) Hexachlorobutadiene	15.255	225	63969	20.914	ug/l	98
95) Naphthalene	15.385	128	166765	18.401	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	85688	19.475	ug/l	99

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

