

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100621\
 Data File : VD070588.D
 Acq On : 06 Oct 2021 12:42
 Operator : VA/SY
 Sample : M4068-01 2.5PPBLOD
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 M4068-01 2.5PPBLOD

Manual Integrations
 APPROVED

MMDadoda
 10/7/2021 5:32:36 PM

Quant Time: Oct 07 07:10:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 07 07:10:20 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	313894	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	592087	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	553093	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	240767	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	201518	54.551	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.100%			
35) Dibromofluoromethane	7.914	113	204132	51.856	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.720%			
50) Toluene-d8	10.338	98	763622	50.743	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.480%			
62) 4-Bromofluorobenzene	12.626	95	235910	46.904	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 93.800%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	11956	3.123	ug/l	92
3) Chloromethane	2.209	50	13973	2.940	ug/l #	87
4) Vinyl Chloride	2.344	62	17250	3.275	ug/l #	87
5) Bromomethane	2.768	94	13313	3.707	ug/l	99
6) Chloroethane	2.926	64	10540	3.134	ug/l	89
7) Trichlorofluoromethane	3.274	101	20943	3.068	ug/l	98
8) Diethyl Ether	3.709	74	4723	2.659	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.103	101	13100	3.166	ug/l #	54
10) Methyl Iodide	4.297	142	8413	2.190	ug/l	98
11) Tert butyl alcohol	5.203	59	4006m	21.891	ug/l	
12) 1,1-Dichloroethene	4.068	96	10960	2.975	ug/l #	75
13) Acrolein	3.915	56	2592	14.753	ug/l	89
14) Allyl chloride	4.715	41	12557	2.449	ug/l	93
15) Acrylonitrile	5.420	53	9332	12.110	ug/l #	75
16) Acetone	4.162	43	9361	14.922	ug/l	93
17) Carbon Disulfide	4.415	76	39841	2.963	ug/l	98
18) Methyl Acetate	4.721	43	6923	2.860	ug/l	99
19) Methyl tert-butyl Ether	5.479	73	17720	2.415	ug/l	93
20) Methylene Chloride	4.962	84	38810	6.630	ug/l	97
21) trans-1,2-Dichloroethene	5.473	96	12479	2.880	ug/l	87
22) Diisopropyl ether	6.362	45	22598	2.145	ug/l #	80
23) Vinyl Acetate	6.297	43	45586m	9.519	ug/l	
24) 1,1-Dichloroethane	6.262	63	22902	2.952	ug/l	94
25) 2-Butanone	7.215	43	10475	12.754	ug/l	96
26) 2,2-Dichloropropane	7.209	77	18215	2.837	ug/l #	74
27) cis-1,2-Dichloroethene	7.203	96	11785	2.588	ug/l	100
28) Bromochloromethane	7.544	49	7765	2.875	ug/l #	96
29) Tetrahydrofuran	7.562	42	6495	12.269	ug/l	99
30) Chloroform	7.714	83	23537	2.916	ug/l	100
31) Cyclohexane	7.979	56	23290	3.405	ug/l #	54
32) 1,1,1-Trichloroethane	7.897	97	21242	3.056	ug/l	97
36) 1,1-Dichloropropene	8.109	75	17112	2.721	ug/l	94
37) Ethyl Acetate	7.297	43	4672	2.236	ug/l	98
38) Carbon Tetrachloride	8.097	117	17722	2.693	ug/l	88
39) Methylcyclohexane	9.350	83	19492	2.696	ug/l #	91
40) Benzene	8.350	78	48536	2.619	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.509	41	3102m	2.879	ug/l	
42) 1,2-Dichloroethane	8.426	62	13052	2.723	ug/l	96
43) Isopropyl Acetate	8.450	43	8659	2.262	ug/l	92
44) Trichloroethene	9.109	130	13452	2.943	ug/l	93
45) 1,2-Dichloropropane	9.385	63	11428	2.416	ug/l #	87
46) Dibromomethane	9.473	93	6036	2.486	ug/l	89
47) Bromodichloromethane	9.661	83	15997	2.553	ug/l #	96
48) Methyl methacrylate	9.450	41	3545	1.975	ug/l #	83
49) 1,4-Dioxane	9.456	88	1022	41.429	ug/l #	74
51) 4-Methyl-2-Pentanone	10.220	43	20741	10.502	ug/l	98
52) Toluene	10.397	92	30316	2.663	ug/l	98
53) t-1,3-Dichloropropene	10.620	75	13559	2.473	ug/l	93
54) cis-1,3-Dichloropropene	10.079	75	15620	2.366	ug/l	97
55) 1,1,2-Trichloroethane	10.797	97	8261	2.498	ug/l #	89
56) Ethyl methacrylate	10.655	69	7220	2.044	ug/l #	76
57) 1,3-Dichloropropane	10.938	76	13971	2.483	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.944	63	17895	11.230	ug/l	100
59) 2-Hexanone	10.979	43	13373	10.004	ug/l	100
60) Dibromochloromethane	11.132	129	10667	2.677	ug/l	97
61) 1,2-Dibromoethane	11.238	107	7659	2.487	ug/l	97
64) Tetrachloroethene	10.867	164	11006	3.103	ug/l	92
65) Chlorobenzene	11.661	112	30638	2.598	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.738	131	12003	2.736	ug/l	97
67) Ethyl Benzene	11.738	91	48793	2.397	ug/l	91
68) m/p-Xylenes	11.844	106	36285	4.527	ug/l	96
69) o-Xylene	12.173	106	17327	2.431	ug/l	84
70) Styrene	12.191	104	26825	2.136	ug/l	98
71) Bromoform	12.350	173	5174	2.512	ug/l #	97
73) Isopropylbenzene	12.467	105	43028	2.451	ug/l	100
74) N-amyl acetate	12.285	43	7264	2.196	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.720	83	10580	3.083	ug/l	95
76) 1,2,3-Trichloropropane	12.773	75	7573m	3.475	ug/l	
77) Bromobenzene	12.749	156	10475	2.669	ug/l	94
78) n-propylbenzene	12.808	91	59366	2.673	ug/l	98
79) 2-Chlorotoluene	12.897	91	35030	2.688	ug/l	94
80) 1,3,5-Trimethylbenzene	12.949	105	35683	2.384	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.514	75	1911m	1.947	ug/l	
82) 4-Chlorotoluene	12.997	91	35253	2.588	ug/l	91
83) tert-Butylbenzene	13.214	119	31135	2.516	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	33018	2.217	ug/l	99
85) sec-Butylbenzene	13.391	105	46745	2.437	ug/l	96
86) p-Isopropyltoluene	13.502	119	36464	2.328	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	23680	2.874	ug/l	97
88) 1,4-Dichlorobenzene	13.585	146	25872	3.167	ug/l	91
89) n-Butylbenzene	13.826	91	37411	2.502	ug/l	97
90) Hexachloroethane	14.102	117	10344	3.054	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	20219	2.877	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.485	75	1652	3.334	ug/l	94
93) 1,2,4-Trichlorobenzene	15.143	180	11035	2.917	ug/l	90
94) Hexachlorobutadiene	15.249	225	7618	3.187	ug/l	97
95) Naphthalene	15.385	128	18933	2.772	ug/l	98
96) 1,2,3-Trichlorobenzene	15.579	180	9349	2.806	ug/l	97

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

