

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091521\
 Data File : VD070368.D
 Acq On : 15 Sep 2021 10:30
 Operator : VA/SY
 Sample : VD0915SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0915SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/16/2021 7:23:13 PM

Quant Time: Sep 16 02:38:52 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	7.973	168	375613	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	669151	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	650743	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	312240	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	226998	47.066	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.140%		
35) Dibromofluoromethane	7.908	113	233157	48.951	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.900%		
50) Toluene-d8	10.332	98	893025	51.639	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	103.280%		
62) 4-Bromofluorobenzene	12.626	95	299314	49.523	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.040%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	89083	21.154	ug/l	99
3) Chloromethane	2.209	50	111485	19.470	ug/l	99
4) Vinyl Chloride	2.344	62	123605	20.915	ug/l	98
5) Bromomethane	2.750	94	82540	19.863	ug/l	88
6) Chloroethane	2.909	64	80202	20.273	ug/l	95
7) Trichlorofluoromethane	3.267	101	164212	21.008	ug/l	95
8) Diethyl Ether	3.703	74	39548	18.302	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.091	101	98694	20.326	ug/l	98
10) Methyl Iodide	4.291	142	69212	15.613	ug/l	92
11) Tert butyl alcohol	5.191	59	58998	108.189	ug/l #	100
12) 1,1-Dichloroethene	4.062	96	83383	19.068	ug/l	96
13) Acrolein	3.920	56	19740	82.333	ug/l	93
14) Allyl chloride	4.709	41	116052	18.060	ug/l	99
15) Acrylonitrile	5.426	53	94204	91.499	ug/l	99
16) Acetone	4.150	43	89874	104.375	ug/l	93
17) Carbon Disulfide	4.403	76	314209	19.475	ug/l	99
18) Methyl Acetate	4.714	43	48575	19.635	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	170250	18.016	ug/l	99
20) Methylene Chloride	4.962	84	137220	21.422	ug/l	96
21) trans-1,2-Dichloroethene	5.461	96	100643	19.334	ug/l	89
22) Diisopropyl ether	6.361	45	255838	18.601	ug/l	98
23) Vinyl Acetate	6.303	43	538396	84.499	ug/l	97
24) 1,1-Dichloroethane	6.256	63	185947	19.108	ug/l	98
25) 2-Butanone	7.208	43	103336	90.154	ug/l	95
26) 2,2-Dichloropropane	7.203	77	153213	19.478	ug/l	98
27) cis-1,2-Dichloroethene	7.203	96	104527	18.693	ug/l	97
28) Bromochloromethane	7.544	49	71416	18.496	ug/l	94
29) Tetrahydrofuran	7.561	42	64960	88.285	ug/l	93
30) Chloroform	7.708	83	191337	19.178	ug/l	98
31) Cyclohexane	7.979	56	153732	18.504	ug/l	95
32) 1,1,1-Trichloroethane	7.897	97	165326	19.688	ug/l	95
36) 1,1-Dichloropropene	8.108	75	143399	20.049	ug/l	97
37) Ethyl Acetate	7.291	43	52109	19.483	ug/l	98
38) Carbon Tetrachloride	8.097	117	144306	20.400	ug/l	97
39) Methylcyclohexane	9.350	83	147698	18.485	ug/l	92
40) Benzene	8.350	78	415944	19.845	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	25111	17.845	ug/l	92
42) 1,2-Dichloroethane	8.420	62	108788	19.379	ug/l	99
43) Isopropyl Acetate	8.450	43	90747	18.351	ug/l	99
44) Trichloroethene	9.108	130	100045	19.972	ug/l	99
45) 1,2-Dichloropropane	9.385	63	105911	19.260	ug/l	91
46) Dibromomethane	9.473	93	54956	19.407	ug/l	100
47) Bromodichloromethane	9.655	83	139113	19.256	ug/l	94
48) Methyl methacrylate	9.450	41	42698	18.700	ug/l	97
49) 1,4-Dioxane	9.455	88	11600	408.987	ug/l	96
51) 4-Methyl-2-Pentanone	10.220	43	238279	93.116	ug/l	94
52) Toluene	10.397	92	253858	20.045	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	116833	18.800	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	144885	19.157	ug/l	97
55) 1,1,2-Trichloroethane	10.797	97	77223	19.823	ug/l	97
56) Ethyl methacrylate	10.655	69	77004	18.107	ug/l	96
57) 1,3-Dichloropropane	10.944	76	129709	19.558	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	194176	94.735	ug/l	99
59) 2-Hexanone	10.979	43	161211	94.424	ug/l	96
60) Dibromochloromethane	11.132	129	88308	19.479	ug/l	96
61) 1,2-Dibromoethane	11.238	107	69110	19.290	ug/l	99
64) Tetrachloroethene	10.873	164	82428	20.805	ug/l	94
65) Chlorobenzene	11.667	112	269673	20.004	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.738	131	99992	20.252	ug/l	97
67) Ethyl Benzene	11.738	91	449549	19.336	ug/l	98
68) m/p-Xylenes	11.849	106	361837	40.296	ug/l	99
69) o-Xylene	12.173	106	156118	19.407	ug/l	99
70) Styrene	12.185	104	277842	19.771	ug/l	99
71) Bromoform	12.349	173	46973	19.249	ug/l #	94
73) Isopropylbenzene	12.473	105	408615	18.661	ug/l	99
74) N-amyl acetate	12.279	43	85990	18.023	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.720	83	88789	18.932	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	68479m	21.682	ug/l	
77) Bromobenzene	12.755	156	98005	19.400	ug/l	99
78) n-propylbenzene	12.814	91	550087	19.355	ug/l	100
79) 2-Chlorotoluene	12.896	91	318991	19.256	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	369302	19.542	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	23076	18.307	ug/l	97
82) 4-Chlorotoluene	12.996	91	340077	19.459	ug/l	100
83) tert-Butylbenzene	13.214	119	281396	18.566	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	367641	19.755	ug/l	100
85) sec-Butylbenzene	13.390	105	466870	19.378	ug/l	99
86) p-Isopropyltoluene	13.508	119	377612	19.507	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	206970	19.678	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	207641	19.668	ug/l	100
89) n-Butylbenzene	13.832	91	360433	18.676	ug/l	99
90) Hexachloroethane	14.102	117	84303	19.025	ug/l	97
91) 1,2-Dichlorobenzene	13.879	146	177837	19.163	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	12848	18.292	ug/l	90
93) 1,2,4-Trichlorobenzene	15.149	180	92394	18.437	ug/l	99
94) Hexachlorobutadiene	15.249	225	58965	19.183	ug/l	99
95) Naphthalene	15.384	128	153024	16.802	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	78482	17.750	ug/l	99

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

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