

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092221\
 Data File : VD070415.D
 Acq On : 22 Sep 2021 09:41
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda

9/23/2021 11:35:28 AM

Quant Time: Sep 23 05:28:08 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	379146	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	612650	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	606019	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	303813	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	237055	48.693	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.380%
35) Dibromofluoromethane	7.908	113	237934	54.560	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.120%
50) Toluene-d8	10.332	98	926467	58.513	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	117.020%
62) 4-Bromofluorobenzene	12.626	95	309578	55.945	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	111.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	189237	49.921	ug/l	96
3) Chloromethane	2.209	50	236797	45.831	ug/l	97
4) Vinyl Chloride	2.344	62	273873	45.910	ug/l	98
5) Bromomethane	2.756	94	171332	46.985	ug/l	97
6) Chloroethane	2.914	64	177737	49.156	ug/l	98
7) Trichlorofluoromethane	3.267	101	374603	47.477	ug/l	100
8) Diethyl Ether	3.709	74	96071	44.045	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.097	101	238661	48.695	ug/l	99
10) Methyl Iodide	4.297	142	204966	43.815	ug/l	97
11) Tert butyl alcohol	5.208	59	78413	142.452	ug/l #	100
12) 1,1-Dichloroethene	4.067	96	200089	45.330	ug/l	98
13) Acrolein	3.920	56	44550	184.081	ug/l	93
14) Allyl chloride	4.714	41	282542	43.559	ug/l	98
15) Acrylonitrile	5.414	53	243878	234.669	ug/l	99
16) Acetone	4.150	43	253892	292.110	ug/l	94
17) Carbon Disulfide	4.403	76	704757	43.274	ug/l	99
18) Methyl Acetate	4.714	43	114520	47.946	ug/l	98
19) Methyl tert-butyl Ether	5.473	73	453242	47.514	ug/l	99
20) Methylene Chloride	4.956	84	276466	51.225	ug/l	97
21) trans-1,2-Dichloroethene	5.461	96	251725	47.907	ug/l	99
22) Diisopropyl ether	6.361	45	673843	48.537	ug/l	99
23) Vinyl Acetate	6.303	43	1558652	242.343	ug/l	99
24) 1,1-Dichloroethane	6.261	63	444217	45.222	ug/l	99
25) 2-Butanone	7.208	43	293105	253.332	ug/l	95
26) 2,2-Dichloropropane	7.202	77	383776	48.334	ug/l	99
27) cis-1,2-Dichloroethene	7.202	96	264662	46.889	ug/l	99
28) Bromochloromethane	7.544	49	189903	48.724	ug/l	93
29) Tetrahydrofuran	7.555	42	180225	242.656	ug/l	98
30) Chloroform	7.702	83	472011	46.870	ug/l	99
31) Cyclohexane	7.979	56	384830	45.889	ug/l	95
32) 1,1,1-Trichloroethane	7.902	97	409619	48.325	ug/l	99
36) 1,1-Dichloropropene	8.108	75	356541	54.447	ug/l	99
37) Ethyl Acetate	7.291	43	130502	53.294	ug/l	98
38) Carbon Tetrachloride	8.091	117	364228	56.239	ug/l	99
39) Methylcyclohexane	9.349	83	410199	56.072	ug/l	97
40) Benzene	8.344	78	1035463	53.958	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	68687	53.314	ug/l	92
42) 1,2-Dichloroethane	8.420	62	273351	53.183	ug/l	98
43) Isopropyl Acetate	8.450	43	230590	50.930	ug/l	99
44) Trichloroethene	9.108	130	245413	53.509	ug/l	92
45) 1,2-Dichloropropane	9.379	63	264625	52.559	ug/l	99
46) Dibromomethane	9.467	93	138919	53.582	ug/l	100
47) Bromodichloromethane	9.655	83	353952	53.513	ug/l	95
48) Methyl methacrylate	9.449	41	113232	54.166	ug/l	100
49) 1,4-Dioxane	9.455	88	32385	1247.118	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	665476	284.043	ug/l	97
52) Toluene	10.396	92	654682	56.461	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	308067	54.145	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	361145	52.156	ug/l	94
55) 1,1,2-Trichloroethane	10.796	97	190501	53.412	ug/l	95
56) Ethyl methacrylate	10.655	69	217456	55.850	ug/l	96
57) 1,3-Dichloropropane	10.938	76	326528	53.775	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	530195	282.528	ug/l	99
59) 2-Hexanone	10.979	43	482317	308.553	ug/l	98
60) Dibromochloromethane	11.132	129	227772	54.875	ug/l	97
61) 1,2-Dibromoethane	11.238	107	177353	54.069	ug/l	100
64) Tetrachloroethene	10.867	164	206601	55.994	ug/l	98
65) Chlorobenzene	11.661	112	655377	52.203	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	248460	54.036	ug/l	98
67) Ethyl Benzene	11.738	91	1203666	55.592	ug/l	96
68) m/p-Xylenes	11.843	106	963998	115.280	ug/l	98
69) o-Xylene	12.173	106	422784	56.435	ug/l	98
70) Styrene	12.185	104	763607	58.349	ug/l	99
71) Bromoform	12.349	173	124528	54.797	ug/l #	97
73) Isopropylbenzene	12.473	105	1135240	53.282	ug/l	100
74) N-amyl acetate	12.279	43	228016	49.117	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	224746	49.251	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	147435m	47.976	ug/l	
77) Bromobenzene	12.749	156	250882	51.038	ug/l	98
78) n-propylbenzene	12.808	91	1504398	54.402	ug/l	100
79) 2-Chlorotoluene	12.896	91	838813	52.040	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	1007981	54.817	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	65213	53.170	ug/l	98
82) 4-Chlorotoluene	12.996	91	879174	51.702	ug/l	100
83) tert-Butylbenzene	13.214	119	809280	54.875	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	1000487	55.252	ug/l	99
85) sec-Butylbenzene	13.390	105	1283802	54.765	ug/l	99
86) p-Isopropyltoluene	13.502	119	1062220	56.397	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	527080	51.502	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	512501	49.891	ug/l	99
89) n-Butylbenzene	13.832	91	1019964	54.315	ug/l	99
90) Hexachloroethane	14.096	117	211406	49.032	ug/l	100
91) 1,2-Dichlorobenzene	13.879	146	447295	49.537	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	31422	45.977	ug/l	96
93) 1,2,4-Trichlorobenzene	15.143	180	244698	50.183	ug/l	98
94) Hexachlorobutadiene	15.249	225	158925	53.136	ug/l	97
95) Naphthalene	15.384	128	448654	50.628	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	218276	50.736	ug/l	98

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

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