

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD090821\
 Data File : VD070288.D
 Acq On : 08 Sep 2021 10:48
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/10/2021 10:49:01 AM

Quant Time: Sep 09 01:34:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 01:31:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	363475	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	675113	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	651526	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	302712	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	93912	19.722	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.440%#		
35) Dibromofluoromethane	7.908	113	92322	19.066	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	38.140%#		
50) Toluene-d8	10.338	98	341574	19.846	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	39.700%#		
62) 4-Bromofluorobenzene	12.626	95	120662	20.495	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	40.980%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	90639	19.944	ug/l	97
3) Chloromethane	2.209	50	118257	19.631	ug/l	99
4) Vinyl Chloride	2.344	62	117673	19.457	ug/l	96
5) Bromomethane	2.744	94	82774	18.447	ug/l	95
6) Chloroethane	2.909	64	79476	19.665	ug/l	93
7) Trichlorofluoromethane	3.262	101	154576	19.166	ug/l	96
8) Diethyl Ether	3.709	74	41648	19.877	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.091	101	94982	18.841	ug/l	97
10) Methyl Iodide	4.297	142	78709	20.587	ug/l	99
11) Tert butyl alcohol	5.191	59	69163	99.966	ug/l #	100
12) 1,1-Dichloroethene	4.061	96	84071	19.142	ug/l	90
13) Acrolein	3.920	56	24835	109.734	ug/l	93
14) Allyl chloride	4.709	41	127352	20.650	ug/l	95
15) Acrylonitrile	5.414	53	101846	101.730	ug/l	100
16) Acetone	4.156	43	78035	90.339	ug/l	97
17) Carbon Disulfide	4.403	76	318895	19.644	ug/l	99
18) Methyl Acetate	4.709	43	50963	20.016	ug/l	94
19) Methyl tert-butyl Ether	5.479	73	176511	19.957	ug/l	95
20) Methylene Chloride	4.961	84	123704	16.972	ug/l	92
21) trans-1,2-Dichloroethene	5.467	96	101244	19.710	ug/l	94
22) Diisopropyl ether	6.356	45	279715	21.405	ug/l	96
23) Vinyl Acetate	6.303	43	603489	106.847	ug/l	97
24) 1,1-Dichloroethane	6.255	63	188912	19.486	ug/l	97
25) 2-Butanone	7.208	43	111523	102.607	ug/l	99
26) 2,2-Dichloropropane	7.208	77	151082	19.553	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	106334	19.518	ug/l	95
28) Bromochloromethane	7.544	49	73206	19.758	ug/l	94
29) Tetrahydrofuran	7.561	42	70413	101.355	ug/l	96
30) Chloroform	7.708	83	192264	19.123	ug/l	96
31) Cyclohexane	7.985	56	161230	19.438	ug/l	93
32) 1,1,1-Trichloroethane	7.897	97	162589	19.289	ug/l	97
36) 1,1-Dichloropropene	8.108	75	143294	19.511	ug/l	97
37) Ethyl Acetate	7.291	43	54636	20.106	ug/l	97
38) Carbon Tetrachloride	8.097	117	139548	19.470	ug/l	100
39) Methylcyclohexane	9.349	83	152344	19.720	ug/l	94
40) Benzene	8.350	78	413624	19.366	ug/l	95

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41) Methacrylonitrile	7.520	41	27012	22.591	ug/l	94
42) 1,2-Dichloroethane	8.420	62	113270	19.368	ug/l	98
43) Isopropyl Acetate	8.450	43	98553	20.175	ug/l	96
44) Trichloroethene	9.108	130	97180	18.816	ug/l	89
45) 1,2-Dichloropropane	9.385	63	110140	19.515	ug/l	98
46) Dibromomethane	9.473	93	54262	18.792	ug/l	98
47) Bromodichloromethane	9.655	83	140540	18.980	ug/l	96
48) Methyl methacrylate	9.449	41	42112	19.697	ug/l #	93
49) 1,4-Dioxane	9.461	88	11146	403.513	ug/l	93
51) 4-Methyl-2-Pentanone	10.226	43	257118	103.936	ug/l	95
52) Toluene	10.396	92	249776	19.689	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	122438	19.852	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	145060	19.473	ug/l #	91
55) 1,1,2-Trichloroethane	10.796	97	77718	19.448	ug/l	97
56) Ethyl methacrylate	10.655	69	79069	20.331	ug/l #	93
57) 1,3-Dichloropropane	10.944	76	132590	19.747	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	206109	109.177	ug/l	98
59) 2-Hexanone	10.979	43	168563	104.616	ug/l	95
60) Dibromochloromethane	11.132	129	87974	18.886	ug/l	96
61) 1,2-Dibromoethane	11.243	107	72263	19.587	ug/l	97
64) Tetrachloroethene	10.873	164	78233	19.289	ug/l	97
65) Chlorobenzene	11.667	112	261429	19.184	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.738	131	96783	19.197	ug/l	97
67) Ethyl Benzene	11.738	91	451827	19.990	ug/l	98
68) m/p-Xylenes	11.849	106	359551	41.071	ug/l	99
69) o-Xylene	12.173	106	153842	19.758	ug/l	95
70) Styrene	12.190	104	281139	20.759	ug/l	99
71) Bromoform	12.349	173	48137	19.571	ug/l #	99
73) Isopropylbenzene	12.473	105	400956	19.744	ug/l	99
74) N-amyl acetate	12.279	43	88358	20.193	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	89795	19.296	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	59853m	24.064	ug/l	
77) Bromobenzene	12.749	156	94734	19.398	ug/l	96
78) n-propylbenzene	12.814	91	549458	20.578	ug/l	98
79) 2-Chlorotoluene	12.902	91	314432	20.057	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	361266	20.341	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	25058	20.706	ug/l	97
82) 4-Chlorotoluene	12.996	91	337743	20.084	ug/l	98
83) tert-Butylbenzene	13.214	119	281195	19.971	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	352795	20.276	ug/l	100
85) sec-Butylbenzene	13.390	105	458025	20.178	ug/l	98
86) p-Isopropyltoluene	13.508	119	368273	20.368	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	198806	19.247	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	201361	19.010	ug/l	98
89) n-Butylbenzene	13.832	91	352681	19.639	ug/l	97
90) Hexachloroethane	14.096	117	78537	18.171	ug/l	98
91) 1,2-Dichlorobenzene	13.879	146	173239	19.465	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	12710	18.662	ug/l	93
93) 1,2,4-Trichlorobenzene	15.149	180	88703	18.764	ug/l	99
94) Hexachlorobutadiene	15.255	225	54318	18.191	ug/l	98
95) Naphthalene	15.384	128	152656	18.954	ug/l	97
96) 1,2,3-Trichlorobenzene	15.579	180	79333	19.597	ug/l	99

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

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