

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD090821\
 Data File : VD070287.D
 Acq On : 08 Sep 2021 10:20
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 9/10/2021 10:48:59 AM

Quant Time: Sep 09 01:33:45 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	348144	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	646296	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	627129	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	287550	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	46775	10.256	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.520%#		
35) Dibromofluoromethane	7.914	113	47717	10.294	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.580%#		
50) Toluene-d8	10.338	98	163769	9.939	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	19.880%#		
62) 4-Bromofluorobenzene	12.626	95	55899	9.918	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	19.840%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	46706	10.730	ug/l	94
3) Chloromethane	2.209	50	62247	10.788	ug/l	97
4) Vinyl Chloride	2.344	62	62204	10.738	ug/l	98
5) Bromomethane	2.762	94	46642	10.852	ug/l	100
6) Chloroethane	2.915	64	41311	10.672	ug/l	100
7) Trichlorofluoromethane	3.267	101	81831	10.593	ug/l	93
8) Diethyl Ether	3.709	74	19228	9.581	ug/l	79
9) 1,1,2-Trichlorotrifluo...	4.097	101	49669	10.286	ug/l	99
10) Methyl Iodide	4.297	142	33737	9.213	ug/l	96
11) Tert butyl alcohol	5.185	59	43147	65.110	ug/l #	100
12) 1,1-Dichloroethene	4.067	96	43204	10.270	ug/l	92
13) Acrolein	3.920	56	10224	47.164	ug/l #	82
14) Allyl chloride	4.709	41	58049	9.827	ug/l	91
15) Acrylonitrile	5.426	53	47981	50.037	ug/l	97
16) Acetone	4.156	43	44891	54.258	ug/l	94
17) Carbon Disulfide	4.409	76	164169	10.558	ug/l	96
18) Methyl Acetate	4.714	43	24967	10.238	ug/l	99
19) Methyl tert-butyl Ether	5.479	73	84637	9.991	ug/l	98
20) Methylene Chloride	4.956	84	73512	10.530	ug/l	90
21) trans-1,2-Dichloroethene	5.473	96	50064	10.176	ug/l	92
22) Diisopropyl ether	6.361	45	127338	10.173	ug/l	93
23) Vinyl Acetate	6.303	43	268110	49.559	ug/l	99
24) 1,1-Dichloroethane	6.256	63	97195	10.467	ug/l #	93
25) 2-Butanone	7.208	43	54412	52.266	ug/l	97
26) 2,2-Dichloropropane	7.203	77	77599	10.485	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	54027	10.354	ug/l	93
28) Bromochloromethane	7.538	49	34983	9.858	ug/l	89
29) Tetrahydrofuran	7.567	42	34272	51.505	ug/l	91
30) Chloroform	7.708	83	101250	10.514	ug/l	99
31) Cyclohexane	7.985	56	80381	10.118	ug/l #	91
32) 1,1,1-Trichloroethane	7.897	97	84001	10.405	ug/l	97
36) 1,1-Dichloropropene	8.108	75	72053	10.248	ug/l	97
37) Ethyl Acetate	7.291	43	25483	9.796	ug/l	99
38) Carbon Tetrachloride	8.097	117	71510	10.422	ug/l	98
39) Methylcyclohexane	9.350	83	73307	9.912	ug/l	96
40) Benzene	8.350	78	210542	10.297	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	16579m	14.484	ug/l	
42) 1,2-Dichloroethane	8.414	62	58519	10.453	ug/l	99
43) Isopropyl Acetate	8.450	43	48774	10.430	ug/l	98
44) Trichloroethene	9.108	130	50650	10.244	ug/l	86
45) 1,2-Dichloropropane	9.385	63	57249	10.596	ug/l	92
46) Dibromomethane	9.473	93	29827	10.790	ug/l	95
47) Bromodichloromethane	9.655	83	74946	10.573	ug/l #	99
48) Methyl methacrylate	9.455	41	18785	9.178	ug/l #	89
49) 1,4-Dioxane	9.455	88	5123	193.735	ug/l #	85
51) 4-Methyl-2-Pentanone	10.226	43	121819	51.439	ug/l	94
52) Toluene	10.397	92	124599	10.260	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	61379	10.396	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	74803	10.489	ug/l #	91
55) 1,1,2-Trichloroethane	10.797	97	39766	10.395	ug/l	95
56) Ethyl methacrylate	10.655	69	36700	9.857	ug/l #	90
57) 1,3-Dichloropropane	10.938	76	66858	10.401	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	85887	47.523	ug/l	97
59) 2-Hexanone	10.979	43	78707	51.026	ug/l	92
60) Dibromochloromethane	11.138	129	45851	10.282	ug/l	97
61) 1,2-Dibromoethane	11.238	107	35915	10.169	ug/l	99
64) Tetrachloroethene	10.873	164	39688	10.166	ug/l	96
65) Chlorobenzene	11.667	112	132702	10.117	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	48528	10.000	ug/l	98
67) Ethyl Benzene	11.738	91	214905	9.878	ug/l	99
68) m/p-Xylenes	11.849	106	168238	19.965	ug/l	98
69) o-Xylene	12.173	106	72286	9.645	ug/l	98
70) Styrene	12.191	104	126900	9.735	ug/l	99
71) Bromoform	12.355	173	24344	10.283	ug/l #	99
73) Isopropylbenzene	12.473	105	188687	9.781	ug/l	99
74) N-amyl acetate	12.279	43	42727	10.280	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.720	83	45651	10.327	ug/l	97
76) 1,2,3-Trichloropropane	12.773	75	30355m	12.848	ug/l	
77) Bromobenzene	12.749	156	47619	10.265	ug/l	96
78) n-propylbenzene	12.814	91	252086	9.939	ug/l	98
79) 2-Chlorotoluene	12.902	91	149989	10.072	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	166247	9.854	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	11704	10.181	ug/l	91
82) 4-Chlorotoluene	12.996	91	160767	10.064	ug/l	100
83) tert-Butylbenzene	13.214	119	128637	9.618	ug/l	97
84) 1,2,4-Trimethylbenzene	13.261	105	164493	9.952	ug/l	97
85) sec-Butylbenzene	13.390	105	215087	9.975	ug/l	98
86) p-Isopropyltoluene	13.502	119	167570	9.756	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	99343	10.125	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	103599	10.296	ug/l	96
89) n-Butylbenzene	13.832	91	167556	9.822	ug/l	96
90) Hexachloroethane	14.102	117	45470	11.075	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	86038	10.177	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	7361	11.378	ug/l	87
93) 1,2,4-Trichlorobenzene	15.149	180	48291	10.754	ug/l	98
94) Hexachlorobutadiene	15.249	225	32165	11.340	ug/l	91
95) Naphthalene	15.384	128	80164	10.478	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	42016	10.926	ug/l	98

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

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