

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122222\
 Data File : VD075041.D
 Acq On : 22 Dec 2022 10:56
 Operator : KP/SY
 Sample : VSTDICC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Quant Time: Dec 22 14:11:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 22 14:10:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	168149	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	298547	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	258087	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	112651	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.222	65	8841	5.370	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	10.740%#
35) Dibromofluoromethane	7.804	113	9042	5.173	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	10.340%#
50) Toluene-d8	10.269	98	38826	5.393	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	10.780%#
62) 4-Bromofluorobenzene	12.575	95	13033	5.593	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	11.180%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	4799	5.425	ug/l	89
3) Chloromethane	2.140	50	8050	5.083	ug/l	97
4) Vinyl Chloride	2.275	62	6207	4.758	ug/l	98
5) Bromomethane	2.687	94	4235	6.520	ug/l	91
6) Chloroethane	2.834	64	4587	5.699	ug/l #	86
7) Trichlorofluoromethane	3.169	101	10739	5.131	ug/l	94
8) Diethyl Ether	3.593	74	4360	5.275	ug/l	75
9) 1,1,2-Trichlorotrifluo...	3.963	101	7626	5.082	ug/l	97
10) Methyl Iodide	4.152	142	5557	4.680	ug/l #	93
11) Tert butyl alcohol	5.046	59	4457	28.782	ug/l #	95
12) 1,1-Dichloroethene	3.928	96	7050	4.766	ug/l	86
13) Acrolein	3.793	56	5756	27.154	ug/l #	76
14) Allyl chloride	4.558	41	12687	4.915	ug/l #	86
15) Acrylonitrile	5.252	53	10765	25.102	ug/l	98
16) Acetone	4.022	43	11094	26.333	ug/l	90
17) Carbon Disulfide	4.269	76	11728	3.835	ug/l	96
18) Methyl Acetate	4.563	43	9714	7.955	ug/l #	82
19) Methyl tert-butyl Ether	5.310	73	20837	5.259	ug/l	92
20) Methylene Chloride	4.793	84	18789	7.074	ug/l #	87
21) trans-1,2-Dichloroethene	5.310	96	8253	5.060	ug/l #	80
22) Diisopropyl ether	6.216	45	29756	5.338	ug/l #	94
23) Vinyl Acetate	6.157	43	56569m	21.446	ug/l	
24) 1,1-Dichloroethane	6.105	63	16278	5.060	ug/l	97
25) 2-Butanone	7.081	43	15319	26.200	ug/l #	85
26) 2,2-Dichloropropane	7.075	77	15179	5.206	ug/l	94
27) cis-1,2-Dichloroethene	7.081	96	10752	5.131	ug/l	91
28) Bromochloromethane	7.428	49	5680	5.001	ug/l #	76
29) Tetrahydrofuran	7.446	42	9282	27.191	ug/l #	80
30) Chloroform	7.599	83	16368	5.128	ug/l	94
31) Cyclohexane	7.875	56	15757	5.755	ug/l #	89
32) 1,1,1-Trichloroethane	7.793	97	13961	5.190	ug/l	92
36) 1,1-Dichloropropene	8.004	75	11323	4.985	ug/l	98
37) Ethyl Acetate	7.175	43	6166	5.491	ug/l	94
38) Carbon Tetrachloride	7.993	117	9047	4.626	ug/l	97
39) Methylcyclohexane	9.269	83	13963	5.018	ug/l #	89
40) Benzene	8.252	78	35488	5.066	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	4546	6.406	ug/l #	84
42) 1,2-Dichloroethane	8.322	62	9291	5.266	ug/l	99
43) Isopropyl Acetate	8.363	43	13336	5.711	ug/l #	85
44) Trichloroethene	9.028	130	10199	5.401	ug/l	97
45) 1,2-Dichloropropane	9.304	63	9486	5.012	ug/l	95
46) Dibromomethane	9.393	93	5020	5.430	ug/l	97
47) Bromodichloromethane	9.581	83	12648	5.221	ug/l #	91
48) Methyl methacrylate	9.375	41	5179	4.843	ug/l	92
49) 1,4-Dioxane	9.381	88	1139	94.133	ug/l #	62
51) 4-Methyl-2-Pentanone	10.157	43	30558	26.186	ug/l	90
52) Toluene	10.334	92	24029	5.382	ug/l	98
53) t-1,3-Dichloropropene	10.557	75	11727	4.867	ug/l	90
54) cis-1,3-Dichloropropene	10.022	75	14064	4.849	ug/l #	86
55) 1,1,2-Trichloroethane	10.734	97	7238	5.270	ug/l	94
56) Ethyl methacrylate	10.598	69	9516	5.064	ug/l #	70
57) 1,3-Dichloropropane	10.881	76	11247	4.828	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.869	63	18615	25.023	ug/l	89
59) 2-Hexanone	10.922	43	21808	25.807	ug/l	88
60) Dibromochloromethane	11.075	129	7888	5.031	ug/l	99
61) 1,2-Dibromoethane	11.181	107	6165	4.956	ug/l	100
64) Tetrachloroethene	10.810	164	8495	5.584	ug/l #	84
65) Chlorobenzene	11.610	112	25094	5.292	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	8722	5.316	ug/l	99
67) Ethyl Benzene	11.687	91	46374	5.359	ug/l	99
68) m/p-Xylenes	11.792	106	36125	11.006	ug/l	99
69) o-Xylene	12.122	106	17204	5.347	ug/l	99
70) Styrene	12.140	104	28935	5.395	ug/l	97
71) Bromoform	12.298	173	4735	5.372	ug/l #	94
73) Isopropylbenzene	12.422	105	45802	5.268	ug/l	99
74) N-amyl acetate	12.234	43	11988	5.390	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.669	83	8413	5.218	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	6295m	5.289	ug/l	
77) Bromobenzene	12.704	156	10128	5.493	ug/l	96
78) n-propylbenzene	12.763	91	56776	5.328	ug/l	99
79) 2-Chlorotoluene	12.851	91	30968	5.310	ug/l	95
80) 1,3,5-Trimethylbenzene	12.904	105	38100	5.432	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	2641	5.153	ug/l	94
82) 4-Chlorotoluene	12.951	91	31807	5.253	ug/l	97
83) tert-Butylbenzene	13.169	119	33245	5.359	ug/l	96
84) 1,2,4-Trimethylbenzene	13.216	105	37026	5.419	ug/l	99
85) sec-Butylbenzene	13.345	105	51384	5.417	ug/l	98
86) p-Isopropyltoluene	13.463	119	41850	5.557	ug/l	95
87) 1,3-Dichlorobenzene	13.463	146	20102	5.582	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	19689	5.460	ug/l	92
89) n-Butylbenzene	13.787	91	41270	5.469	ug/l	98
90) Hexachloroethane	14.057	117	6816	5.100	ug/l	94
91) 1,2-Dichlorobenzene	13.834	146	16796	5.254	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.457	75	1293	5.652	ug/l	86
93) 1,2,4-Trichlorobenzene	15.098	180	11620	5.686	ug/l	99
94) Hexachlorobutadiene	15.204	225	5809	5.663	ug/l	96
95) Naphthalene	15.333	128	22949	5.263	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	9536	5.375	ug/l	97

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

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