

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100623\
 Data File : VD077275.D
 Acq On : 05 Oct 2023 15:08
 Operator : JC/SY
 Sample : VSTDICC005
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Quant Time: Oct 06 09:13:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100623S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 09:05:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	175189	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	300542	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	288756	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	145991	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	9884	4.650	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	9.300%#
35) Dibromofluoromethane	7.810	113	12158	4.838	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	9.680%#
50) Toluene-d8	10.269	98	38040	4.261	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	8.520%#
62) 4-Bromofluorobenzene	12.569	95	11986	4.316	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	8.640%#
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	12467	5.521	ug/l	94
3) Chloromethane	2.146	50	18861	5.359	ug/l	98
4) Vinyl Chloride	2.281	62	21640	5.024	ug/l	96
5) Bromomethane	2.693	94	12272	4.033	ug/l	95
6) Chloroethane	2.834	64	9774	3.811	ug/l	# 86
7) Trichlorofluoromethane	3.175	101	15947	3.962	ug/l	98
8) Diethyl Ether	3.587	74	6353	4.862	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.963	101	13916	5.109	ug/l	99
10) Methyl Iodide	4.157	142	13545	4.036	ug/l	# 83
11) Tert butyl alcohol	5.051	59	3782	26.091	ug/l	# 88
12) 1,1-Dichloroethene	3.940	96	12267	4.614	ug/l	# 77
13) Acrolein	3.793	56	2413	42.331	ug/l	# 69
14) Allyl chloride	4.557	41	15948	4.623	ug/l	90
15) Acrylonitrile	5.257	53	13591	22.554	ug/l	98
16) Acetone	4.016	43	13805	25.545	ug/l	# 75
17) Carbon Disulfide	4.269	76	44804	4.999	ug/l	# 95
18) Methyl Acetate	4.563	43	10391	4.809	ug/l	# 67
19) Methyl tert-butyl Ether	5.322	73	23812	4.316	ug/l	92
20) Methylene Chloride	4.799	84	35729	3.125	ug/l	90
21) trans-1,2-Dichloroethene	5.304	96	14719	4.689	ug/l	95
22) Diisopropyl ether	6.216	45	28950	3.948	ug/l	# 89
23) Vinyl Acetate	6.157	43	72355	24.131	ug/l	94
24) 1,1-Dichloroethane	6.110	63	24671	4.727	ug/l	98
25) 2-Butanone	7.081	43	16764	22.732	ug/l	95
26) 2,2-Dichloropropane	7.075	77	22227	4.991	ug/l	94
27) cis-1,2-Dichloroethene	7.087	96	14682	4.363	ug/l	79
29) Tetrahydrofuran	7.445	42	8322	19.711	ug/l	88
30) Chloroform	7.598	83	26527	4.890	ug/l	92
31) Cyclohexane	7.875	56	22116	5.118	ug/l	# 90
32) 1,1,1-Trichloroethane	7.787	97	22373	4.825	ug/l	98
36) 1,1-Dichloropropene	8.010	75	19821	4.732	ug/l	96
37) Ethyl Acetate	7.169	43	7740	4.641	ug/l	# 85
38) Carbon Tetrachloride	7.992	117	17622	4.546	ug/l	99
39) Methylcyclohexane	9.275	83	20828	4.343	ug/l	95
40) Benzene	8.245	78	56718	4.545	ug/l	98
41) Methacrylonitrile	7.404	41	3840	4.492	ug/l	87

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.328	62	13998	4.732	ug/l	99
43) Isopropyl Acetate	8.363	43	12576	4.274	ug/l #	80
44) Trichloroethene	9.034	130	15656	4.901	ug/l	83
45) 1,2-Dichloropropane	9.304	63	14112	4.596	ug/l	92
46) Dibromomethane	9.392	93	8261	4.825	ug/l	89
47) Bromodichloromethane	9.586	83	17831	4.493	ug/l #	94
48) Methyl methacrylate	9.381	41	5851	4.293	ug/l #	82
49) 1,4-Dioxane	9.381	88	1414	82.954	ug/l #	79
51) 4-Methyl-2-Pentanone	10.163	43	31008	20.310	ug/l	89
52) Toluene	10.334	92	31792	4.155	ug/l	100
53) t-1,3-Dichloropropene	10.557	75	16629	4.381	ug/l	97
54) cis-1,3-Dichloropropene	10.022	75	19261	4.227	ug/l #	90
55) 1,1,2-Trichloroethane	10.739	97	11295	4.836	ug/l	90
56) Ethyl methacrylate	10.604	69	10247	4.023	ug/l	92
57) 1,3-Dichloropropane	10.881	76	17437	4.567	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	13513	41.416	ug/l	92
59) 2-Hexanone	10.928	43	22183	20.292	ug/l	87
60) Dibromochloromethane	11.069	129	12300	4.601	ug/l	95
61) 1,2-Dibromoethane	11.181	107	10397	4.785	ug/l	91
64) Tetrachloroethene	10.810	164	11995	4.531	ug/l #	87
65) Chlorobenzene	11.604	112	38276	4.704	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.681	131	12799	4.463	ug/l	97
67) Ethyl Benzene	11.686	91	60367	4.165	ug/l	97
68) m/p-Xylenes	11.792	106	45257	8.034	ug/l	90
69) o-Xylene	12.122	106	19901	3.888	ug/l	89
70) Styrene	12.139	104	33796	3.844	ug/l	96
71) Bromoform	12.292	173	7574	4.755	ug/l #	94
73) Isopropylbenzene	12.422	105	52646	3.986	ug/l	96
74) N-amyl acetate	12.233	43	10836	3.995	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.675	83	11888	4.529	ug/l	96
76) 1,2,3-Trichloropropane	12.722	75	13477	9.138	ug/l #	100
77) Bromobenzene	12.698	156	13483	4.373	ug/l	90
78) n-propylbenzene	12.763	91	67486	4.070	ug/l	95
79) 2-Chlorotoluene	12.851	91	37244	4.173	ug/l	95
80) 1,3,5-Trimethylbenzene	12.904	105	42346	3.879	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	3828	4.497	ug/l	94
82) 4-Chlorotoluene	12.951	91	38978	4.147	ug/l	96
83) tert-Butylbenzene	13.169	119	36669	3.941	ug/l	96
84) 1,2,4-Trimethylbenzene	13.210	105	42033	3.851	ug/l	99
85) sec-Butylbenzene	13.345	105	57021	3.996	ug/l	96
86) p-Isopropyltoluene	13.457	119	45528	3.841	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	29029	4.536	ug/l	97
88) 1,4-Dichlorobenzene	13.533	146	29593	4.674	ug/l	93
89) n-Butylbenzene	13.786	91	47218	4.135	ug/l	96
90) Hexachloroethane	14.051	117	10786	4.545	ug/l	90
91) 1,2-Dichlorobenzene	13.833	146	24131	4.418	ug/l	91
92) 1,2-Dibromo-3-Chloropr...	14.445	75	1329	3.910	ug/l	75
93) 1,2,4-Trichlorobenzene	15.098	180	13916	4.240	ug/l	96
94) Hexachlorobutadiene	15.210	225	7591	4.390	ug/l	97
95) Naphthalene	15.333	128	24181	3.829	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.521	180	12240	4.193	ug/l	96

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

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