

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041023\
 Data File : VD075611.D
 Acq On : 10 Apr 2023 17:25
 Operator : KP/SY
 Sample : VSTDICC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Quant Time: Apr 12 09:55:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041023S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 12 09:54:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	397993	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	891731	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	839366	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	312901	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	17744	5.435	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	10.860%#
35) Dibromofluoromethane	7.805	113	21986	4.207	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	8.420%#
50) Toluene-d8	10.269	98	95667	4.667	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	9.340%#
62) 4-Bromofluorobenzene	12.575	95	22495	3.730	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	7.460%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	15397	5.476	ug/l	98
3) Chloromethane	2.146	50	29185	5.969	ug/l	94
4) Vinyl Chloride	2.281	62	37342	5.455	ug/l	97
5) Bromomethane	2.687	94	29345	5.383	ug/l	99
6) Chloroethane	2.834	64	25936	5.401	ug/l	95
7) Trichlorofluoromethane	3.175	101	30973	5.304	ug/l	95
8) Diethyl Ether	3.593	74	9338	5.178	ug/l	69
9) 1,1,2-Trichlorotrifluo...	3.964	101	20223	5.261	ug/l	97
10) Methyl Iodide	4.169	142	19988	4.349	ug/l	91
11) Tert butyl alcohol	5.063	59	4427m	28.681	ug/l	
12) 1,1-Dichloroethene	3.934	96	18306	4.962	ug/l #	75
13) Acrolein	3.793	56	7668	9.031	ug/l	92
14) Allyl chloride	4.564	41	17063	5.125	ug/l #	79
15) Acrylonitrile	5.258	53	18500	26.768	ug/l	97
16) Acetone	4.022	43	16822	28.277	ug/l #	67
17) Carbon Disulfide	4.269	76	49861	5.222	ug/l	97
18) Methyl Acetate	4.564	43	9755	5.433	ug/l #	69
19) Methyl tert-butyl Ether	5.322	73	38441	4.930	ug/l #	86
20) Methylene Chloride	4.799	84	42350	7.122	ug/l #	73
21) trans-1,2-Dichloroethene	5.311	96	21679	4.978	ug/l #	72
22) Diisopropyl ether	6.216	45	40044	4.903	ug/l #	88
23) Vinyl Acetate	6.158	43	94391	24.623	ug/l #	87
24) 1,1-Dichloroethane	6.116	63	35805	5.309	ug/l #	93
25) 2-Butanone	7.081	43	21509	27.859	ug/l #	87
26) 2,2-Dichloropropane	7.081	77	33313	5.384	ug/l	96
27) cis-1,2-Dichloroethene	7.081	96	25379	4.950	ug/l	81
28) Bromochloromethane	7.428	49	12690	5.507	ug/l #	16
29) Tetrahydrofuran	7.452	42	10197	24.941	ug/l #	51
30) Chloroform	7.599	83	39699	5.174	ug/l	92
31) Cyclohexane	7.881	56	28835	6.070	ug/l #	52
32) 1,1,1-Trichloroethane	7.793	97	32805	5.137	ug/l	94
36) 1,1-Dichloropropene	8.010	75	26551	3.978	ug/l	94
37) Ethyl Acetate	7.163	43	8115	4.044	ug/l #	80
38) Carbon Tetrachloride	7.999	117	25426	3.972	ug/l	99
39) Methylcyclohexane	9.275	83	34260	4.311	ug/l #	87
40) Benzene	8.252	78	88488	4.114	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	4617	4.201	ug/l #	60
42) 1,2-Dichloroethane	8.328	62	22270	4.457	ug/l	89
43) Isopropyl Acetate	8.357	43	15987	4.173	ug/l #	75
44) Trichloroethene	9.028	130	31828	5.053	ug/l	95
45) 1,2-Dichloropropane	9.304	63	23870	4.758	ug/l	95
46) Dibromomethane	9.393	93	14427	4.631	ug/l #	84
47) Bromodichloromethane	9.587	83	36367	4.828	ug/l	100
48) Methyl methacrylate	9.381	41	7297	4.203	ug/l #	58
49) 1,4-Dioxane	9.387	88	2578	91.298	ug/l #	60
51) 4-Methyl-2-Pentanone	10.157	43	48678	23.606	ug/l #	79
52) Toluene	10.334	92	66516	4.579	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	30995	4.539	ug/l	100
54) cis-1,3-Dichloropropene	10.022	75	37741	4.546	ug/l #	73
55) 1,1,2-Trichloroethane	10.740	97	22748	4.952	ug/l	88
56) Ethyl methacrylate	10.598	69	19233	4.344	ug/l #	65
57) 1,3-Dichloropropane	10.881	76	33629	4.862	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.869	63	47196	22.047	ug/l #	82
59) 2-Hexanone	10.922	43	33233	22.876	ug/l	73
60) Dibromochloromethane	11.075	129	26410	4.815	ug/l	97
61) 1,2-Dibromoethane	11.181	107	21326	4.857	ug/l	100
64) Tetrachloroethene	10.810	164	25933	5.137	ug/l	97
65) Chlorobenzene	11.610	112	80207	4.923	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	27607	4.791	ug/l	92
67) Ethyl Benzene	11.687	91	121369	4.515	ug/l	94
68) m/p-Xylenes	11.793	106	97984	8.849	ug/l	88
69) o-Xylene	12.122	106	35149	3.526	ug/l	95
70) Styrene	12.134	104	60521	3.540	ug/l	94
71) Bromoform	12.298	173	11466	3.850	ug/l #	97
73) Isopropylbenzene	12.422	105	90924	4.683	ug/l	100
74) N-amyl acetate	12.234	43	13972	5.131	ug/l #	77
75) 1,1,2,2-Tetrachloroethane	12.675	83	19860	5.468	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	10984m	4.485	ug/l	
77) Bromobenzene	12.698	156	22830	4.658	ug/l	98
78) n-propylbenzene	12.763	91	111930	4.794	ug/l	98
79) 2-Chlorotoluene	12.851	91	64985	5.033	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	72431	4.555	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.475	75	5386	5.041	ug/l #	75
82) 4-Chlorotoluene	12.945	91	66052	4.931	ug/l	93
83) tert-Butylbenzene	13.169	119	61170	4.430	ug/l	96
84) 1,2,4-Trimethylbenzene	13.216	105	74099	4.614	ug/l	97
85) sec-Butylbenzene	13.345	105	99223	4.702	ug/l	99
86) p-Isopropyltoluene	13.463	119	80421	4.534	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	50317	4.917	ug/l	97
88) 1,4-Dichlorobenzene	13.540	146	52474	5.184	ug/l	95
89) n-Butylbenzene	13.787	91	74929	4.646	ug/l	98
90) Hexachloroethane	14.057	117	17296	5.155	ug/l	97
91) 1,2-Dichlorobenzene	13.834	146	43313	4.910	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.445	75	2739	6.029	ug/l	93
93) 1,2,4-Trichlorobenzene	15.104	180	22473	4.803	ug/l	99
94) Hexachlorobutadiene	15.204	225	11264	5.082	ug/l	97
95) Naphthalene	15.334	128	40706	4.582	ug/l	97
96) 1,2,3-Trichlorobenzene	15.522	180	20708	4.995	ug/l	97

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

