

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121522\
 Data File : VD075023.D
 Acq On : 15 Dec 2022 12:19
 Operator : KP/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Dec 16 05:26:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D121522S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 16 05:26:16 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	187075	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	320330	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	235156	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	109081	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	8323	5.211	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	10.420%#
35) Dibromofluoromethane	7.811	113	9843	4.737	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	9.480%#
50) Toluene-d8	10.269	98	30255	4.025	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	8.060%#
62) 4-Bromofluorobenzene	12.575	95	9216	4.150	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	8.300%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	5835	4.796	ug/l	85
3) Chloromethane	2.146	50	7971	4.106	ug/l	94
4) Vinyl Chloride	2.281	62	9989	4.110	ug/l #	87
5) Bromomethane	2.693	94	9707	4.867	ug/l	97
6) Chloroethane	2.834	64	7445	4.130	ug/l #	84
7) Trichlorofluoromethane	3.175	101	13842	4.557	ug/l	90
8) Diethyl Ether	3.587	74	3425	3.915	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.970	101	9316	4.679	ug/l	99
10) Methyl Iodide	4.164	142	6639	3.114	ug/l	95
11) Tert butyl alcohol	5.052	59	3180	29.885	ug/l #	84
12) 1,1-Dichloroethene	3.934	96	7695	4.140	ug/l	90
13) Acrolein	3.793	56	4162	21.823	ug/l	99
14) Allyl chloride	4.558	41	8263	3.902	ug/l	97
15) Acrylonitrile	5.246	53	7600	20.462	ug/l	98
16) Acetone	4.034	43	7804	20.932	ug/l #	87
17) Carbon Disulfide	4.269	76	13634	3.184	ug/l	100
18) Methyl Acetate	4.569	43	6129	5.979	ug/l #	69
19) Methyl tert-butyl Ether	5.317	73	15285	3.902	ug/l	99
20) Methylene Chloride	4.799	84	40055	10.060	ug/l	95
21) trans-1,2-Dichloroethene	5.305	96	8618	4.184	ug/l	94
22) Diisopropyl ether	6.222	45	18344	3.824	ug/l #	97
23) Vinyl Acetate	6.152	43	32637m	17.488	ug/l	
24) 1,1-Dichloroethane	6.122	63	15775	4.487	ug/l	97
25) 2-Butanone	7.075	43	9447	20.652	ug/l	88
26) 2,2-Dichloropropane	7.075	77	15487	4.820	ug/l	97
27) cis-1,2-Dichloroethene	7.075	96	10269	4.230	ug/l	95
28) Bromochloromethane	7.428	49	4519	4.214	ug/l #	93
29) Tetrahydrofuran	7.452	42	4405	18.692	ug/l	98
30) Chloroform	7.599	83	18080	4.941	ug/l	99
31) Cyclohexane	7.881	56	12151	5.085	ug/l #	67
32) 1,1,1-Trichloroethane	7.799	97	15079	4.861	ug/l	98
36) 1,1-Dichloropropene	8.005	75	11165	4.694	ug/l	97
37) Ethyl Acetate	7.163	43	3563	3.861	ug/l #	69
38) Carbon Tetrachloride	7.999	117	10541	4.821	ug/l	96
39) Methylcyclohexane	9.275	83	11846	4.424	ug/l	95
40) Benzene	8.252	78	35399	4.887	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.416	41	2885m	5.357	ug/l	
42) 1,2-Dichloroethane	8.328	62	8871	5.000	ug/l	98
43) Isopropyl Acetate	8.363	43	7108	4.496	ug/l #	90
44) Trichloroethene	9.028	130	10738	5.242	ug/l	97
45) 1,2-Dichloropropane	9.305	63	8540	4.786	ug/l	97
46) Dibromomethane	9.393	93	5068	5.144	ug/l	98
47) Bromodichloromethane	9.587	83	12820	5.084	ug/l	97
48) Methyl methacrylate	9.381	41	3260	4.383	ug/l	98
49) 1,4-Dioxane	9.393	88	691	73.404	ug/l #	74
51) 4-Methyl-2-Pentanone	10.157	43	15275	18.766	ug/l	100
52) Toluene	10.334	92	17941	3.892	ug/l	97
53) t-1,3-Dichloropropene	10.552	75	9183	4.260	ug/l	98
54) cis-1,3-Dichloropropene	10.022	75	12564	4.611	ug/l	97
55) 1,1,2-Trichloroethane	10.734	97	6146	4.423	ug/l #	91
56) Ethyl methacrylate	10.599	69	5258	3.460	ug/l	91
57) 1,3-Dichloropropane	10.881	76	9363	4.168	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	11715	22.402	ug/l	99
59) 2-Hexanone	10.922	43	10328	17.600	ug/l	100
60) Dibromochloromethane	11.075	129	6692	4.138	ug/l	94
61) 1,2-Dibromoethane	11.181	107	5069	4.060	ug/l	100
64) Tetrachloroethene	10.810	164	7635	5.481	ug/l	94
65) Chlorobenzene	11.610	112	21947	5.134	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.687	131	8392	5.434	ug/l	90
67) Ethyl Benzene	11.687	91	35158	4.732	ug/l	99
68) m/p-Xylenes	11.793	106	27514	9.382	ug/l	100
69) o-Xylene	12.128	106	12602	4.613	ug/l	99
70) Styrene	12.140	104	21577	4.558	ug/l	98
71) Bromoform	12.299	173	4056	5.254	ug/l #	96
73) Isopropylbenzene	12.422	105	35387	4.871	ug/l	100
74) N-amyl acetate	12.240	43	5501	4.524	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.681	83	6402	4.968	ug/l	98
76) 1,2,3-Trichloropropane	12.728	75	5555m	6.114	ug/l	
77) Bromobenzene	12.704	156	8312	5.037	ug/l	95
78) n-propylbenzene	12.763	91	42523	4.810	ug/l	99
79) 2-Chlorotoluene	12.851	91	23886	4.934	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	27941	4.663	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	1597	4.697	ug/l	87
82) 4-Chlorotoluene	12.951	91	24870	4.931	ug/l	99
83) tert-Butylbenzene	13.169	119	24931	4.809	ug/l	99
84) 1,2,4-Trimethylbenzene	13.216	105	26781	4.535	ug/l	99
85) sec-Butylbenzene	13.345	105	38897	4.828	ug/l	99
86) p-Isopropyltoluene	13.463	119	31561	4.721	ug/l	99
87) 1,3-Dichlorobenzene	13.463	146	17844	5.106	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	18311	5.370	ug/l	94
89) n-Butylbenzene	13.793	91	30534	4.877	ug/l	94
90) Hexachloroethane	14.057	117	6406	5.302	ug/l	99
91) 1,2-Dichlorobenzene	13.834	146	14955	5.043	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.445	75	818	4.769	ug/l	94
93) 1,2,4-Trichlorobenzene	15.104	180	9330	5.165	ug/l	96
94) Hexachlorobutadiene	15.210	225	5227	5.387	ug/l	93
95) Naphthalene	15.334	128	15871	4.756	ug/l	98
96) 1,2,3-Trichlorobenzene	15.528	180	7379	4.724	ug/l	96

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

