

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031224\
 Data File : VY017642.D
 Acq On : 12 Mar 2024 15:57
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL04

Quant Time: Mar 13 09:07:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	136227	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	236232	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	202786	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	88370	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	64798	50.190	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.380%	
35) Dibromofluoromethane	7.710	113	72471	44.025	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 88.040%	
50) Toluene-d8	10.179	98	262719	45.647	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 91.300%	
62) 4-Bromofluorobenzene	12.483	95	77085	42.617	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 85.240%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.900	85	1951	1.942	ug/l	94
3) Chloromethane	2.107	50	4425	2.410	ug/l	96
4) Vinyl Chloride	2.247	62	5782	2.455	ug/l	95
5) Bromomethane	2.650	94	5507	2.869	ug/l	94
6) Chloroethane	2.790	64	3785	2.547	ug/l #	88
7) Trichlorofluoromethane	3.119	101	5000	2.083	ug/l	96
8) Diethyl Ether	3.521	74	1347	1.913	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.887	101	3016	2.184	ug/l	97
10) Methyl Iodide	4.082	142	2725	1.758	ug/l	97
11) Tert butyl alcohol	4.942	59	942	8.590	ug/l #	88
12) 1,1-Dichloroethene	3.869	96	2734	2.125	ug/l #	85
13) Acrolein	3.717	56	1399	9.668	ug/l	93
14) Allyl chloride	4.479	41	3133	2.015	ug/l	96
15) Acrylonitrile	5.167	53	3193	11.031	ug/l #	18
16) Acetone	3.942	43	3983	15.906	ug/l	99
17) Carbon Disulfide	4.192	76	7082	1.833	ug/l #	92
18) Methyl Acetate	4.466	43	2241	3.689	ug/l	92
19) Methyl tert-butyl Ether	5.222	73	5725	1.909	ug/l #	87
20) Methylene Chloride	4.704	84	10368	1.762	ug/l	94
21) trans-1,2-Dichloroethene	5.216	96	3088	2.049	ug/l #	81
22) Diisopropyl ether	6.112	45	6820	1.901	ug/l	94
23) Vinyl Acetate	6.051	43	16472	7.704	ug/l	94
24) 1,1-Dichloroethane	6.009	63	5906	2.409	ug/l	98
25) 2-Butanone	6.978	43	4147	11.620	ug/l	93
26) 2,2-Dichloropropane	6.966	77	4652	2.257	ug/l #	51
27) cis-1,2-Dichloroethene	6.984	96	3555	2.101	ug/l	99
28) Bromochloromethane	7.338	49	2027	2.100	ug/l #	99
29) Tetrahydrofuran	7.356	42	2084	9.687	ug/l	98
30) Chloroform	7.502	83	5922	2.269	ug/l	88
31) Cyclohexane	7.783	56	6117	2.911	ug/l #	48
32) 1,1,1-Trichloroethane	7.698	97	4884	2.155	ug/l	94
36) 1,1-Dichloropropene	7.911	75	4074	1.834	ug/l	96
37) Ethyl Acetate	7.070	43	1853	2.112	ug/l #	87
38) Carbon Tetrachloride	7.905	117	4209	1.891	ug/l	92
39) Methylcyclohexane	9.179	83	4523	1.695	ug/l	91
40) Benzene	8.161	78	12778	1.937	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	743	1.688	ug/l #	81
42) 1,2-Dichloroethane	8.228	62	3503	2.177	ug/l	99
43) Isopropyl Acetate	8.271	43	2850	1.849	ug/l #	77
44) Trichloroethene	8.941	130	3535	1.859	ug/l	94
45) 1,2-Dichloropropane	9.216	63	3059	1.949	ug/l	94
46) Dibromomethane	9.307	93	1807	2.012	ug/l	94
47) Bromodichloromethane	9.496	83	4471	2.050	ug/l	100
48) Methyl methacrylate	9.295	41	1442	2.021	ug/l	96
49) 1,4-Dioxane	9.301	88	329	32.370	ug/l #	97
51) 4-Methyl-2-Pentanone	10.069	43	7621	8.871	ug/l	92
52) Toluene	10.246	92	8228	1.979	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	3936	1.945	ug/l	95
54) cis-1,3-Dichloropropene	9.929	75	4464	1.815	ug/l	95
55) 1,1,2-Trichloroethane	10.648	97	2577	2.021	ug/l	95
56) Ethyl methacrylate	10.514	69	1841	3.651	ug/l	98
57) 1,3-Dichloropropane	10.788	76	4016	1.937	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	5838	7.934	ug/l	99
59) 2-Hexanone	10.837	43	5468	9.266	ug/l	92
60) Dibromochloromethane	10.984	129	2910	1.929	ug/l	98
61) 1,2-Dibromoethane	11.093	107	2214	1.884	ug/l	92
64) Tetrachloroethene	10.721	164	3836	1.971	ug/l	92
65) Chlorobenzene	11.514	112	8869	2.061	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	3185	1.975	ug/l	98
67) Ethyl Benzene	11.593	91	13084	1.733	ug/l	92
68) m/p-Xylenes	11.709	106	9562	3.224	ug/l	97
69) o-Xylene	12.032	106	4516	1.641	ug/l	94
70) Styrene	12.044	104	5981	1.309	ug/l	98
71) Bromoform	12.215	173	1626	1.820	ug/l #	99
73) Isopropylbenzene	12.331	105	11241	1.712	ug/l	99
74) N-amyl acetate	12.142	43	2130	1.839	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	2487	2.206	ug/l	94
76) 1,2,3-Trichloropropane	12.636	75	3336	3.973	ug/l #	100
77) Bromobenzene	12.611	156	3206	2.016	ug/l	93
78) n-propylbenzene	12.672	91	14956	1.899	ug/l	100
79) 2-Chlorotoluene	12.758	91	8409	1.907	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	9083	1.727	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.483	75	39358	107.707	ug/l #	16
82) 4-Chlorotoluene	12.861	91	8466	1.877	ug/l	96
83) tert-Butylbenzene	13.075	119	8316	1.800	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	8520	1.641	ug/l	98
85) sec-Butylbenzene	13.258	105	11083	1.569	ug/l	98
86) p-Isopropyltoluene	13.373	119	8783	1.519	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	6130	1.921	ug/l	99
88) 1,4-Dichlorobenzene	13.367	146	6130	1.976	ug/l	98
89) n-Butylbenzene	13.696	91	9152	1.735	ug/l	95
90) Hexachloroethane	13.959	117	2449	2.113	ug/l	98
91) 1,2-Dichlorobenzene	13.745	146	5650	2.093	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.361	75	369	2.328	ug/l	88
93) 1,2,4-Trichlorobenzene	15.007	180	2466	1.730	ug/l	99
94) Hexachlorobutadiene	15.117	225	1741	1.978	ug/l	95
95) Naphthalene	15.239	128	3569	5.105	ug/l	97
96) 1,2,3-Trichlorobenzene	15.422	180	2106	1.722	ug/l	96

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

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