

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031924\
 Data File : VY017709.D
 Acq On : 19 Mar 2024 14:14
 Operator : SY/MD
 Sample : MDL02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

Quant Time: Mar 20 11:26:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 11:25:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	130957	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.709	114	217945	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.502	117	190114	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	82671	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	57626	46.431	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.860%
35) Dibromofluoromethane	7.740	113	67873	44.691	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.380%
50) Toluene-d8	10.197	98	253720	47.782	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.560%
62) 4-Bromofluorobenzene	12.495	95	70053	41.978	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.960%

Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.912	85	2098	2.172	ug/l	85
3) Chloromethane	2.125	50	3192	1.808	ug/l	98
4) Vinyl Chloride	2.259	62	4253	1.878	ug/l	99
5) Bromomethane	2.668	94	4408	2.389	ug/l	99
6) Chloroethane	2.808	64	3043	2.130	ug/l	98
7) Trichlorofluoromethane	3.143	101	4801	2.080	ug/l	93
8) Diethyl Ether	3.540	74	1579	2.333	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.918	101	3262	2.457	ug/l	95
10) Methyl Iodide	4.106	142	2614	1.755	ug/l #	97
11) Tert butyl alcohol	4.966	59	2106	19.976	ug/l #	88
12) 1,1-Dichloroethene	3.893	96	2661	2.151	ug/l	94
13) Acrolein	3.753	56	1007	7.239	ug/l	96
14) Allyl chloride	4.497	41	3029	2.026	ug/l	98
15) Acrylonitrile	5.198	53	3267	11.741	ug/l	92
16) Acetone	3.960	43	4043	16.795	ug/l #	84
17) Carbon Disulfide	4.210	76	5420	1.460	ug/l	98
18) Methyl Acetate	4.497	43	2123	3.635	ug/l #	72
19) Methyl tert-butyl Ether	5.247	73	6384	2.214	ug/l #	85
20) Methylene Chloride	4.741	84	12186	3.524	ug/l	96
21) trans-1,2-Dichloroethene	5.240	96	3181	2.196	ug/l #	79
22) Diisopropyl ether	6.143	45	7330	2.125	ug/l	93
23) Vinyl Acetate	6.088	43	16351	7.955	ug/l	96
24) 1,1-Dichloroethane	6.039	63	6138	2.605	ug/l	97
25) 2-Butanone	7.002	43	4053	11.814	ug/l	97
26) 2,2-Dichloropropane	6.996	77	5156	2.602	ug/l	100
27) cis-1,2-Dichloroethene	7.021	96	3776	2.322	ug/l	94
28) Bromochloromethane	7.356	49	1661	1.790	ug/l #	92
29) Tetrahydrofuran	7.368	42	1905	9.212	ug/l	98
30) Chloroform	7.527	83	6622	2.639	ug/l	99
31) Cyclohexane	7.807	56	5518	2.732	ug/l #	41
32) 1,1,1-Trichloroethane	7.722	97	5490	2.520	ug/l	99
36) 1,1-Dichloropropene	7.935	75	4145	2.023	ug/l	97
37) Ethyl Acetate	7.100	43	1599	1.976	ug/l #	88
38) Carbon Tetrachloride	7.923	117	4787	2.331	ug/l	92
39) Methylcyclohexane	9.203	83	4253	1.727	ug/l	94
40) Benzene	8.185	78	13559	2.228	ug/l #	87

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	763	1.879	ug/l #	67
42) 1,2-Dichloroethane	8.258	62	3524	2.374	ug/l	97
43) Isopropyl Acetate	8.283	43	2981	2.096	ug/l	97
44) Trichloroethene	8.959	130	4091	2.332	ug/l	95
45) 1,2-Dichloropropane	9.234	63	3327	2.298	ug/l	97
46) Dibromomethane	9.325	93	1884	2.274	ug/l	93
47) Bromodichloromethane	9.514	83	4960	2.465	ug/l	92
48) Methyl methacrylate	9.313	41	1463	2.222	ug/l	92
49) 1,4-Dioxane	9.319	88	301	32.100	ug/l #	87
51) 4-Methyl-2-Pentanone	10.081	43	6869	8.666	ug/l	97
52) Toluene	10.258	92	9014	2.350	ug/l	100
53) t-1,3-Dichloropropene	10.483	75	4051	2.169	ug/l	95
54) cis-1,3-Dichloropropene	9.947	75	4559	2.009	ug/l	96
55) 1,1,2-Trichloroethane	10.654	97	2805	2.384	ug/l	90
56) Ethyl methacrylate	10.526	69	1830	3.737	ug/l	96
57) 1,3-Dichloropropane	10.807	76	4436	2.319	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.801	63	5362	7.899	ug/l	96
59) 2-Hexanone	10.843	43	5167	9.491	ug/l	94
60) Dibromochloromethane	11.002	129	3304	2.374	ug/l	100
61) 1,2-Dibromoethane	11.099	107	2385	2.200	ug/l	97
64) Tetrachloroethene	10.733	164	4045	2.217	ug/l	94
65) Chlorobenzene	11.532	112	10013	2.481	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.605	131	3593	2.377	ug/l	97
67) Ethyl Benzene	11.605	91	14520	2.052	ug/l	95
68) m/p-Xylenes	11.721	106	10916	3.925	ug/l	98
69) o-Xylene	12.044	106	4927	1.910	ug/l	99
70) Styrene	12.056	104	6775	1.582	ug/l	98
71) Bromoform	12.215	173	1817	2.169	ug/l #	96
73) Isopropylbenzene	12.343	105	13063	2.127	ug/l	100
74) N-amyl acetate	12.154	43	1816	1.676	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.599	83	2793	2.648	ug/l	97
76) 1,2,3-Trichloropropane	12.642	75	3445	4.386	ug/l #	100
77) Bromobenzene	12.623	156	3886	2.613	ug/l	92
78) n-propylbenzene	12.684	91	16517	2.241	ug/l	98
79) 2-Chlorotoluene	12.770	91	9610	2.329	ug/l	100
80) 1,3,5-Trimethylbenzene	12.824	105	10221	2.077	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.495	75	34510	100.950	ug/l #	16
82) 4-Chlorotoluene	12.867	91	9918	2.350	ug/l	98
83) tert-Butylbenzene	13.087	119	9199	2.129	ug/l	98
84) 1,2,4-Trimethylbenzene	13.135	105	9647	1.986	ug/l	97
85) sec-Butylbenzene	13.263	105	13565	2.053	ug/l	99
86) p-Isopropyltoluene	13.379	119	10441	1.931	ug/l	98
87) 1,3-Dichlorobenzene	13.379	146	7180	2.405	ug/l	97
88) 1,4-Dichlorobenzene	13.458	146	7297	2.514	ug/l	92
89) n-Butylbenzene	13.708	91	10137	2.055	ug/l	98
90) Hexachloroethane	13.971	117	2821	2.602	ug/l	97
91) 1,2-Dichlorobenzene	13.751	146	5899	2.336	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.367	75	315	2.124	ug/l	88
93) 1,2,4-Trichlorobenzene	15.019	180	2587	1.939	ug/l	95
94) Hexachlorobutadiene	15.123	225	1982	2.407	ug/l	97
95) Naphthalene	15.251	128	3389	1.486	ug/l	99
96) 1,2,3-Trichlorobenzene	15.440	180	2159	1.887	ug/l	96

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

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