

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031924\
 Data File : VY017708.D
 Acq On : 19 Mar 2024 13:29
 Operator : SY/MD
 Sample : MDL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL01

Quant Time: Mar 20 11:25:31 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	134066	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.703	114	218556	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.502	117	187879	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	80110	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	56723	44.643	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.280%
35) Dibromofluoromethane	7.734	113	67881	44.572	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.140%
50) Toluene-d8	10.197	98	252248	47.372	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.740%
62) 4-Bromofluorobenzene	12.495	95	70237	41.971	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.940%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.918	85	1978	2.000	ug/l	96
3) Chloromethane	2.125	50	3286	1.819	ug/l	97
4) Vinyl Chloride	2.259	62	4712	2.033	ug/l	93
5) Bromomethane	2.674	94	4551	2.409	ug/l	91
6) Chloroethane	2.808	64	3183	2.177	ug/l	92
7) Trichlorofluoromethane	3.143	101	4996	2.115	ug/l	93
8) Diethyl Ether	3.534	74	1453	2.097	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.918	101	3091	2.275	ug/l	97
10) Methyl Iodide	4.113	142	3052	2.001	ug/l #	94
11) Tert butyl alcohol	4.960	59	1849	17.132	ug/l #	88
12) 1,1-Dichloroethene	3.899	96	2739	2.163	ug/l	94
13) Acrolein	3.753	56	1092	7.668	ug/l	93
14) Allyl chloride	4.497	41	3137	2.050	ug/l	95
15) Acrylonitrile	5.186	53	2977	10.451	ug/l	93
16) Acetone	3.966	43	4043	16.405	ug/l	95
17) Carbon Disulfide	4.216	76	5491	1.444	ug/l #	94
18) Methyl Acetate	4.497	43	2072	3.466	ug/l	92
19) Methyl tert-butyl Ether	5.241	73	6649	2.252	ug/l	97
20) Methylene Chloride	4.734	84	10490	1.984	ug/l	96
21) trans-1,2-Dichloroethene	5.253	96	3248	2.190	ug/l	96
22) Diisopropyl ether	6.137	45	7376	2.089	ug/l #	85
23) Vinyl Acetate	6.088	43	16823	7.995	ug/l	100
24) 1,1-Dichloroethane	6.045	63	5969	2.474	ug/l	95
25) 2-Butanone	7.015	43	4138	11.782	ug/l #	86
26) 2,2-Dichloropropane	7.008	77	5496	2.710	ug/l	99
27) cis-1,2-Dichloroethene	7.002	96	3950	2.372	ug/l	95
28) Bromochloromethane	7.356	49	1856	1.953	ug/l #	86
29) Tetrahydrofuran	7.362	42	1885	8.904	ug/l	97
30) Chloroform	7.527	83	6915	2.692	ug/l	97
31) Cyclohexane	7.801	56	5804	2.807	ug/l #	53
32) 1,1,1-Trichloroethane	7.722	97	5600	2.511	ug/l	98
36) 1,1-Dichloropropene	7.935	75	4430	2.156	ug/l	98
37) Ethyl Acetate	7.094	43	1175	1.448	ug/l #	85
38) Carbon Tetrachloride	7.917	117	4627	2.247	ug/l	93
39) Methylcyclohexane	9.203	83	4302	1.742	ug/l	95
40) Benzene	8.179	78	14640	2.399	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	830	2.038	ug/l #	77
42) 1,2-Dichloroethane	8.258	62	3816	2.563	ug/l	95
43) Isopropyl Acetate	8.289	43	2909	2.040	ug/l	93
44) Trichloroethene	8.959	130	4329	2.461	ug/l	84
45) 1,2-Dichloropropane	9.228	63	3529	2.431	ug/l	98
46) Dibromomethane	9.319	93	2053	2.471	ug/l	95
47) Bromodichloromethane	9.508	83	5144	2.550	ug/l	99
48) Methyl methacrylate	9.313	41	1483	2.247	ug/l	96
49) 1,4-Dioxane	9.307	88	282	29.990	ug/l #	78
51) 4-Methyl-2-Pentanone	10.081	43	7339	9.233	ug/l	94
52) Toluene	10.264	92	9121	2.371	ug/l	99
53) t-1,3-Dichloropropene	10.477	75	4145	2.214	ug/l	99
54) cis-1,3-Dichloropropene	9.947	75	4954	2.177	ug/l #	92
55) 1,1,2-Trichloroethane	10.660	97	2851	2.417	ug/l	93
56) Ethyl methacrylate	10.526	69	1724	3.665	ug/l	97
57) 1,3-Dichloropropane	10.800	76	4418	2.303	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.801	63	5973	8.774	ug/l	95
59) 2-Hexanone	10.849	43	5073	9.292	ug/l	98
60) Dibromochloromethane	11.002	129	3448	2.471	ug/l	97
61) 1,2-Dibromoethane	11.105	107	2431	2.236	ug/l	99
64) Tetrachloroethene	10.733	164	4425	2.454	ug/l #	90
65) Chlorobenzene	11.532	112	10390	2.605	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.605	131	3601	2.410	ug/l	94
67) Ethyl Benzene	11.605	91	15373	2.198	ug/l	95
68) m/p-Xylenes	11.715	106	11341	4.127	ug/l	99
69) o-Xylene	12.038	106	5374	2.108	ug/l	95
70) Styrene	12.056	104	7205	1.703	ug/l	97
71) Bromoform	12.221	173	1989	2.402	ug/l #	90
73) Isopropylbenzene	12.343	105	13612	2.287	ug/l	100
74) N-amyl acetate	12.154	43	2047	1.950	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.599	83	2820	2.759	ug/l	99
76) 1,2,3-Trichloropropane	12.648	75	3299	4.334	ug/l #	100
77) Bromobenzene	12.623	156	4039	2.802	ug/l	95
78) n-propylbenzene	12.684	91	17064	2.389	ug/l	100
79) 2-Chlorotoluene	12.770	91	10230	2.559	ug/l	99
80) 1,3,5-Trimethylbenzene	12.825	105	11047	2.317	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.495	75	33928	102.420	ug/l #	16
82) 4-Chlorotoluene	12.873	91	9904	2.422	ug/l	95
83) tert-Butylbenzene	13.087	119	9436	2.254	ug/l	97
84) 1,2,4-Trimethylbenzene	13.135	105	10165	2.159	ug/l	100
85) sec-Butylbenzene	13.270	105	13876	2.168	ug/l	100
86) p-Isopropyltoluene	13.385	119	11049	2.108	ug/l	98
87) 1,3-Dichlorobenzene	13.379	146	7316	2.529	ug/l	99
88) 1,4-Dichlorobenzene	13.459	146	8032	2.856	ug/l	94
89) n-Butylbenzene	13.709	91	10681	2.234	ug/l	96
90) Hexachloroethane	13.971	117	2865	2.727	ug/l	98
91) 1,2-Dichlorobenzene	13.751	146	6202	2.534	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.373	75	352	2.450	ug/l	96
93) 1,2,4-Trichlorobenzene	15.019	180	2849	2.204	ug/l	96
94) Hexachlorobutadiene	15.123	225	2161	2.708	ug/l	96
95) Naphthalene	15.251	128	4036	1.826	ug/l	97
96) 1,2,3-Trichlorobenzene	15.440	180	2508	2.262	ug/l	98

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

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