

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031224\
 Data File : VY017643.D
 Acq On : 12 Mar 2024 16:20
 Operator : SY/MD
 Sample : MDL05
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL05

Quant Time: Mar 13 09:08:07 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	141221	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	240433	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	207716	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	87407	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	67966	50.782	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.560%	
35) Dibromofluoromethane	7.722	113	76404	45.603	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 91.200%	
50) Toluene-d8	10.179	98	273902	46.758	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 93.520%	
62) 4-Bromofluorobenzene	12.483	95	79443	43.153	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 86.300%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.900	85	2393	2.297	ug/l	96
3) Chloromethane	2.113	50	4843	2.544	ug/l	97
4) Vinyl Chloride	2.247	62	5978	2.448	ug/l	89
5) Bromomethane	2.650	94	5874	2.952	ug/l	99
6) Chloroethane	2.796	64	4169	2.706	ug/l	94
7) Trichlorofluoromethane	3.125	101	5528	2.221	ug/l	93
8) Diethyl Ether	3.528	74	1710	2.343	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.893	101	3588	2.506	ug/l	96
10) Methyl Iodide	4.082	142	2985	1.858	ug/l	99
11) Tert butyl alcohol	4.948	59	2065	18.164	ug/l #	88
12) 1,1-Dichloroethene	3.863	96	3141	2.354	ug/l	95
13) Acrolein	3.723	56	1285	8.566	ug/l	91
14) Allyl chloride	4.479	41	3439	2.133	ug/l	99
15) Acrylonitrile	5.155	53	3374	11.244	ug/l	99
16) Acetone	3.942	43	4106	15.817	ug/l #	81
17) Carbon Disulfide	4.192	76	7911	1.976	ug/l	99
18) Methyl Acetate	4.472	43	2453	3.895	ug/l #	71
19) Methyl tert-butyl Ether	5.222	73	6726	2.163	ug/l	99
20) Methylene Chloride	4.710	84	12119	2.772	ug/l	98
21) trans-1,2-Dichloroethene	5.210	96	3235	2.071	ug/l	91
22) Diisopropyl ether	6.119	45	7525	2.023	ug/l	91
23) Vinyl Acetate	6.064	43	18061	8.148	ug/l	95
24) 1,1-Dichloroethane	6.021	63	6155	2.422	ug/l	100
25) 2-Butanone	6.984	43	4449	12.026	ug/l	99
26) 2,2-Dichloropropane	6.978	77	5201	2.434	ug/l	93
27) cis-1,2-Dichloroethene	6.978	96	3787	2.159	ug/l	92
28) Bromochloromethane	7.332	49	2161	2.159	ug/l #	90
29) Tetrahydrofuran	7.350	42	2216	9.937	ug/l	97
30) Chloroform	7.509	83	6711	2.480	ug/l	96
31) Cyclohexane	7.795	56	6678	3.066	ug/l #	59
32) 1,1,1-Trichloroethane	7.697	97	5361	2.282	ug/l	97
36) 1,1-Dichloropropene	7.917	75	4484	1.984	ug/l	100
37) Ethyl Acetate	7.082	43	1969	2.205	ug/l #	91
38) Carbon Tetrachloride	7.899	117	4693	2.071	ug/l	96
39) Methylcyclohexane	9.185	83	5303	1.952	ug/l	92
40) Benzene	8.161	78	14665	2.185	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	723	1.614	ug/l #	87
42) 1,2-Dichloroethane	8.240	62	3509	2.142	ug/l	97
43) Isopropyl Acetate	8.271	43	3130	1.995	ug/l #	82
44) Trichloroethene	8.941	130	4160	2.150	ug/l	93
45) 1,2-Dichloropropane	9.222	63	3570	2.235	ug/l	99
46) Dibromomethane	9.307	93	1977	2.163	ug/l	97
47) Bromodichloromethane	9.496	83	4858	2.189	ug/l	97
48) Methyl methacrylate	9.301	41	1727	2.378	ug/l	95
49) 1,4-Dioxane	9.301	88	414	40.022	ug/l #	65
51) 4-Methyl-2-Pentanone	10.069	43	7478	8.552	ug/l	96
52) Toluene	10.246	92	8611	2.035	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	3967	1.926	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	4964	1.983	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	2766	2.131	ug/l	92
56) Ethyl methacrylate	10.514	69	1724	3.562	ug/l #	87
57) 1,3-Dichloropropane	10.795	76	4521	2.143	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	5149	6.876	ug/l	98
59) 2-Hexanone	10.837	43	5358	8.921	ug/l	98
60) Dibromochloromethane	10.983	129	3113	2.028	ug/l	96
61) 1,2-Dibromoethane	11.093	107	2296	1.920	ug/l	100
64) Tetrachloroethene	10.721	164	4313	2.163	ug/l	94
65) Chlorobenzene	11.520	112	9355	2.122	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.587	131	3293	1.994	ug/l	89
67) Ethyl Benzene	11.593	91	14824	1.917	ug/l	99
68) m/p-Xylenes	11.709	106	10609	3.492	ug/l	99
69) o-Xylene	12.032	106	4756	1.687	ug/l	99
70) Styrene	12.044	104	6645	1.420	ug/l	97
71) Bromoform	12.209	173	1763	1.926	ug/l #	96
73) Isopropylbenzene	12.331	105	12337	1.900	ug/l	99
74) N-amyl acetate	12.148	43	2011	1.756	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.587	83	2785	2.497	ug/l	95
76) 1,2,3-Trichloropropane	12.636	75	3390	4.082	ug/l #	100
77) Bromobenzene	12.611	156	3401	2.163	ug/l	95
78) n-propylbenzene	12.672	91	16454	2.112	ug/l	98
79) 2-Chlorotoluene	12.758	91	9240	2.118	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	9895	1.902	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.483	75	40178	111.162	ug/l #	16
82) 4-Chlorotoluene	12.855	91	9496	2.128	ug/l	97
83) tert-Butylbenzene	13.075	119	9022	1.975	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	9484	1.846	ug/l	99
85) sec-Butylbenzene	13.257	105	12906	1.848	ug/l	100
86) p-Isopropyltoluene	13.373	119	9857	1.724	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	6669	2.113	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	7036	2.293	ug/l	91
89) n-Butylbenzene	13.703	91	10226	1.960	ug/l	93
90) Hexachloroethane	13.965	117	2700	2.355	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	5538	2.074	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	345	2.201	ug/l	76
93) 1,2,4-Trichlorobenzene	15.013	180	2528	1.793	ug/l	100
94) Hexachlorobutadiene	15.117	225	1791	2.057	ug/l	98
95) Naphthalene	15.239	128	3305	5.029	ug/l	97
96) 1,2,3-Trichlorobenzene	15.428	180	2150	1.777	ug/l	98

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

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