

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031924\
 Data File : VY017710.D
 Acq On : 19 Mar 2024 15:25
 Operator : SY/MD
 Sample : MDL03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL03

Quant Time: Mar 20 11:29:11 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	129426	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.703	114	211809	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.502	117	183550	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	80281	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	55036	44.868	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.740%
35) Dibromofluoromethane	7.734	113	65352	44.278	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.560%
50) Toluene-d8	10.191	98	244237	47.328	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.660%
62) 4-Bromofluorobenzene	12.489	95	68071	41.972	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.940%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.912	85	2071	2.169	ug/l	93
3) Chloromethane	2.119	50	3270	1.875	ug/l	94
4) Vinyl Chloride	2.259	62	4558	2.037	ug/l	92
5) Bromomethane	2.668	94	4337	2.378	ug/l	98
6) Chloroethane	2.802	64	3276	2.321	ug/l	96
7) Trichlorofluoromethane	3.137	101	5199	2.279	ug/l	97
8) Diethyl Ether	3.546	74	1524	2.278	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.924	101	3603	2.746	ug/l	95
10) Methyl Iodide	4.113	142	2707	1.839	ug/l	93
11) Tert butyl alcohol	4.966	59	2148	20.616	ug/l #	88
12) 1,1-Dichloroethene	3.887	96	2661	2.176	ug/l	85
13) Acrolein	3.741	56	1257	9.143	ug/l	89
14) Allyl chloride	4.497	41	3154	2.135	ug/l	96
15) Acrylonitrile	5.186	53	3092	11.244	ug/l	99
16) Acetone	3.966	43	4110	17.275	ug/l #	78
17) Carbon Disulfide	4.210	76	5342	1.456	ug/l	99
18) Methyl Acetate	4.497	43	2201	3.813	ug/l	90
19) Methyl tert-butyl Ether	5.228	73	6303	2.212	ug/l	97
20) Methylene Chloride	4.735	84	10470	2.260	ug/l	95
21) trans-1,2-Dichloroethene	5.241	96	3041	2.124	ug/l	97
22) Diisopropyl ether	6.137	45	7135	2.093	ug/l	94
23) Vinyl Acetate	6.076	43	16263	8.006	ug/l	99
24) 1,1-Dichloroethane	6.045	63	5847	2.511	ug/l #	88
25) 2-Butanone	7.009	43	3832	11.302	ug/l #	88
26) 2,2-Dichloropropane	7.002	77	5602	2.861	ug/l	95
27) cis-1,2-Dichloroethene	7.002	96	3816	2.374	ug/l	93
28) Bromochloromethane	7.350	49	1932	2.106	ug/l #	84
29) Tetrahydrofuran	7.380	42	1866	9.130	ug/l	92
30) Chloroform	7.527	83	6685	2.696	ug/l	88
31) Cyclohexane	7.801	56	5816	2.914	ug/l #	51
32) 1,1,1-Trichloroethane	7.722	97	5708	2.651	ug/l	98
36) 1,1-Dichloropropene	7.935	75	4195	2.107	ug/l	98
37) Ethyl Acetate	7.100	43	1667	2.119	ug/l #	85
38) Carbon Tetrachloride	7.911	117	5018	2.514	ug/l	90
39) Methylcyclohexane	9.197	83	4509	1.884	ug/l #	88
40) Benzene	8.179	78	13644	2.307	ug/l	93

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.356	41	1920	4.865	ug/l #	28
42) 1,2-Dichloroethane	8.246	62	3516	2.437	ug/l	97
43) Isopropyl Acetate	8.289	43	2853	2.064	ug/l #	86
44) Trichloroethene	8.953	130	4122	2.418	ug/l	100
45) 1,2-Dichloropropane	9.228	63	3439	2.444	ug/l	91
46) Dibromomethane	9.313	93	1815	2.254	ug/l	93
47) Bromodichloromethane	9.508	83	4712	2.410	ug/l	98
48) Methyl methacrylate	9.307	41	1433	2.240	ug/l	96
49) 1,4-Dioxane	9.307	88	312	34.237	ug/l #	83
51) 4-Methyl-2-Pentanone	10.081	43	6542	8.493	ug/l	99
52) Toluene	10.258	92	8733	2.342	ug/l	99
53) t-1,3-Dichloropropene	10.477	75	3749	2.066	ug/l	97
54) cis-1,3-Dichloropropene	9.947	75	4683	2.124	ug/l	94
55) 1,1,2-Trichloroethane	10.654	97	2697	2.359	ug/l	94
56) Ethyl methacrylate	10.520	69	1711	3.692	ug/l	97
57) 1,3-Dichloropropane	10.801	76	4168	2.242	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.795	63	4325	6.556	ug/l	98
59) 2-Hexanone	10.843	43	5136	9.707	ug/l	91
60) Dibromochloromethane	10.996	129	3364	2.487	ug/l	98
61) 1,2-Dibromoethane	11.099	107	2361	2.241	ug/l	96
64) Tetrachloroethene	10.733	164	4239	2.406	ug/l	99
65) Chlorobenzene	11.526	112	9786	2.512	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.599	131	3511	2.406	ug/l	92
67) Ethyl Benzene	11.605	91	14380	2.105	ug/l	96
68) m/p-Xylenes	11.709	106	10987	4.092	ug/l	98
69) o-Xylene	12.038	106	4943	1.985	ug/l	98
70) Styrene	12.056	104	6537	1.581	ug/l	93
71) Bromoform	12.215	173	1785	2.207	ug/l #	97
73) Isopropylbenzene	12.337	105	12876	2.159	ug/l	99
74) N-amyl acetate	12.154	43	1673	1.590	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.593	83	2677	2.614	ug/l	88
76) 1,2,3-Trichloropropane	12.642	75	3379	4.430	ug/l #	100
77) Bromobenzene	12.623	156	3973	2.751	ug/l	89
78) n-propylbenzene	12.684	91	16848	2.354	ug/l	97
79) 2-Chlorotoluene	12.764	91	9328	2.328	ug/l	98
80) 1,3,5-Trimethylbenzene	12.825	105	10078	2.109	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.489	75	33610	101.244	ug/l #	16
82) 4-Chlorotoluene	12.867	91	9731	2.374	ug/l	100
83) tert-Butylbenzene	13.087	119	9364	2.232	ug/l	97
84) 1,2,4-Trimethylbenzene	13.129	105	9602	2.035	ug/l	98
85) sec-Butylbenzene	13.264	105	13939	2.173	ug/l	100
86) p-Isopropyltoluene	13.379	119	10717	2.041	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	6929	2.390	ug/l	99
88) 1,4-Dichlorobenzene	13.459	146	7210	2.558	ug/l	92
89) n-Butylbenzene	13.709	91	10442	2.179	ug/l	95
90) Hexachloroethane	13.971	117	3022	2.870	ug/l	100
91) 1,2-Dichlorobenzene	13.751	146	5858	2.389	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.367	75	278	1.931	ug/l	94
93) 1,2,4-Trichlorobenzene	15.019	180	2611	2.016	ug/l	93
94) Hexachlorobutadiene	15.123	225	2045	2.557	ug/l	99
95) Naphthalene	15.251	128	3355	1.515	ug/l	100
96) 1,2,3-Trichlorobenzene	15.434	180	2379	2.141	ug/l	91

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

