

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030624\
 Data File : VY017585.D
 Acq On : 06 Mar 2024 11:37
 Operator : SY/MD
 Sample : MDL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/07/2024
 Supervised By : Mahesh Dadoda 03/07/2024

Quant Time: Mar 07 04:01:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 04:01:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	122765	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	198124	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	170389	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	76846	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	58389	50.185	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.360%			
35) Dibromofluoromethane	7.722	113	70834	51.307	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.620%			
50) Toluene-d8	10.185	98	261401	54.153	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.300%			
62) 4-Bromofluorobenzene	12.483	95	73175	48.236	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.480%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	3450	3.810	ug/l	94
3) Chloromethane	2.113	50	5840	3.529	ug/l	98
4) Vinyl Chloride	2.247	62	7412	3.492	ug/l	95
5) Bromomethane	2.650	94	6989	4.040	ug/l	98
6) Chloroethane	2.796	64	4542	3.392	ug/l	99
7) Trichlorofluoromethane	3.125	101	7324	3.385	ug/l	96
8) Diethyl Ether	3.534	74	1673	2.637	ug/l	76
9) 1,1,2-Trichlorotrifluo...	3.887	101	4711	3.786	ug/l	99
10) Methyl Iodide	4.088	142	3764	2.695	ug/l	98
11) Tert butyl alcohol	4.954	59	1881	19.033	ug/l #	92
12) 1,1-Dichloroethene	3.875	96	3678	3.171	ug/l	86
13) Acrolein	3.741	56	1913	14.670	ug/l	99
14) Allyl chloride	4.478	41	3874	2.765	ug/l	97
15) Acrylonitrile	5.173	53	2951	11.313	ug/l #	92
16) Acetone	3.954	43	4052	17.956	ug/l	98
17) Carbon Disulfide	4.198	76	12229	3.513	ug/l	99
18) Methyl Acetate	4.491	43	2160	3.945	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	6465	2.392	ug/l	94
20) Methylene Chloride	4.716	84	10758	6.659	ug/l	98
21) trans-1,2-Dichloroethene	5.222	96	4112	3.028	ug/l	96
22) Diisopropyl ether	6.131	45	7235	2.237	ug/l #	98
23) Vinyl Acetate	6.057	43	17502	9.083	ug/l	95
24) 1,1-Dichloroethane	6.027	63	6490	2.938	ug/l	96
25) 2-Butanone	6.996	43	3909	12.155	ug/l #	86
26) 2,2-Dichloropropane	6.990	77	5574	3.001	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	4481	2.939	ug/l	96
28) Bromochloromethane	7.338	49	2522	2.899	ug/l #	96
29) Tetrahydrofuran	7.350	42	1864	9.615	ug/l	98
30) Chloroform	7.508	83	6963	2.960	ug/l	98
31) Cyclohexane	7.789	56	7391	3.903	ug/l #	74
32) 1,1,1-Trichloroethane	7.710	97	6106	2.990	ug/l	98
36) 1,1-Dichloropropene	7.923	75	5709	3.065	ug/l	98
37) Ethyl Acetate	7.082	43	1710	2.324	ug/l #	69
38) Carbon Tetrachloride	7.911	117	5807	3.111	ug/l	95
39) Methylcyclohexane	9.185	83	7217	3.224	ug/l	96
40) Benzene	8.167	78	15410	2.786	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	830m	2.248	ug/l	
42) 1,2-Dichloroethane	8.240	62	3722	2.758	ug/l	100
43) Isopropyl Acetate	8.283	43	2891	2.236	ug/l	91
44) Trichloroethene	8.947	130	4666	2.926	ug/l	88
45) 1,2-Dichloropropane	9.222	63	3552	2.699	ug/l	98
46) Dibromomethane	9.313	93	1945	2.582	ug/l	99
47) Bromodichloromethane	9.502	83	4902	2.680	ug/l	98
48) Methyl methacrylate	9.295	41	1304	2.179	ug/l	93
49) 1,4-Dioxane	9.301	88	338	39.652	ug/l #	97
51) 4-Methyl-2-Pentanone	10.075	43	6961	9.661	ug/l	92
52) Toluene	10.246	92	9931	2.848	ug/l	96
53) t-1,3-Dichloropropene	10.471	75	4036	2.378	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	5036	2.442	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	2684	2.510	ug/l	93
56) Ethyl methacrylate	10.520	69	1632	1.361	ug/l #	90
57) 1,3-Dichloropropane	10.794	76	4180	2.404	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	6681	10.826	ug/l	98
59) 2-Hexanone	10.837	43	4905	9.911	ug/l	98
60) Dibromochloromethane	10.989	129	3201	2.530	ug/l	95
61) 1,2-Dibromoethane	11.087	107	2294	2.328	ug/l	98
64) Tetrachloroethene	10.721	164	4770	2.917	ug/l	99
65) Chlorobenzene	11.520	112	10474	2.896	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.593	131	3500	2.583	ug/l	97
67) Ethyl Benzene	11.593	91	16873	2.660	ug/l	97
68) m/p-Xylenes	11.703	106	12484	5.009	ug/l	99
69) o-Xylene	12.032	106	5069	2.192	ug/l	92
70) Styrene	12.050	104	7376	1.922	ug/l	99
71) Bromoform	12.209	173	1726	2.299	ug/l #	89
73) Isopropylbenzene	12.331	105	14405	2.523	ug/l	97
74) N-amyl acetate	12.148	43	1988	1.974	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	2736	2.791	ug/l	96
76) 1,2,3-Trichloropropane	12.636	75	1927m	2.639	ug/l	
77) Bromobenzene	12.611	156	3774	2.730	ug/l	95
78) n-propylbenzene	12.672	91	18789	2.743	ug/l	99
79) 2-Chlorotoluene	12.757	91	10603	2.765	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	11887	2.599	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	723m	2.275	ug/l	
82) 4-Chlorotoluene	12.855	91	10944	2.790	ug/l	99
83) tert-Butylbenzene	13.074	119	10462	2.605	ug/l	95
84) 1,2,4-Trimethylbenzene	13.123	105	11395	2.523	ug/l	100
85) sec-Butylbenzene	13.257	105	15204	2.476	ug/l	99
86) p-Isopropyltoluene	13.373	119	12096	2.406	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	8223	2.963	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	8344	3.093	ug/l	92
89) n-Butylbenzene	13.696	91	11958	2.607	ug/l	98
90) Hexachloroethane	13.965	117	2945	2.922	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	6298	2.683	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	311	2.256	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	3473	2.801	ug/l	99
94) Hexachlorobutadiene	15.111	225	2619	3.421	ug/l	99
95) Naphthalene	15.239	128	4284	2.021	ug/l	96
96) 1,2,3-Trichlorobenzene	15.428	180	2838	2.668	ug/l	96

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

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