

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012523\
 Data File : VY012358.D
 Acq On : 25 Jan 2023 15:56
 Operator : KP/MD
 Sample : MDL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 01/26/2023
 Supervised By :Mahesh Dadoda 01/26/2023

Quant Time: Jan 26 04:31:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 26 04:31:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	164041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	252998	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	229930	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	116301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	66981	43.919	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.840%		
35) Dibromofluoromethane	7.716	113	60131	44.886	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	89.780%		
50) Toluene-d8	10.179	98	215823	40.845	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	81.680%		
62) 4-Bromofluorobenzene	12.483	95	79438	42.065	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	84.120%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	4397	3.067	ug/l	92
3) Chloromethane	2.119	50	3784	2.859	ug/l	95
4) Vinyl Chloride	2.253	62	4517	2.924	ug/l	96
5) Bromomethane	2.656	94	4426	3.706	ug/l	99
6) Chloroethane	2.796	64	2892	2.871	ug/l #	83
7) Trichlorofluoromethane	3.131	101	9046	3.001	ug/l	95
8) Diethyl Ether	3.534	74	2445	2.725	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.906	101	4226	2.880	ug/l	90
10) Methyl Iodide	4.101	142	5369	2.408	ug/l	96
11) Tert butyl alcohol	4.936	59	5438	29.275	ug/l #	74
12) 1,1-Dichloroethene	3.881	96	4318	2.866	ug/l	92
13) Acrolein	3.729	56	1266	16.521	ug/l	98
14) Allyl chloride	4.479	41	4749	2.549	ug/l #	83
15) Acrylonitrile	5.168	53	5025	12.824	ug/l	98
16) Acetone	3.954	43	5963	13.054	ug/l	90
17) Carbon Disulfide	4.198	76	12737	2.733	ug/l	98
18) Methyl Acetate	4.473	43	3277	3.206	ug/l #	83
19) Methyl tert-butyl Ether	5.222	73	11262	2.682	ug/l	95
20) Methylene Chloride	4.716	84	14203	5.682	ug/l	89
21) trans-1,2-Dichloroethene	5.216	96	4966	2.954	ug/l	90
22) Diisopropyl ether	6.119	45	8795	2.368	ug/l #	85
23) Vinyl Acetate	6.064	43	26309	11.368	ug/l #	79
24) 1,1-Dichloroethane	6.015	63	7322	2.842	ug/l	98
25) 2-Butanone	6.996	43	7211	14.300	ug/l	93
26) 2,2-Dichloropropane	6.978	77	9454	3.381	ug/l	91
27) cis-1,2-Dichloroethene	6.990	96	5037	2.728	ug/l	94
28) Bromochloromethane	7.332	49	1833	3.258	ug/l #	60
29) Tetrahydrofuran	7.350	42	3384	12.217	ug/l #	80
30) Chloroform	7.503	83	8368	2.752	ug/l	98
31) Cyclohexane	7.789	56	9302	3.889	ug/l #	53
32) 1,1,1-Trichloroethane	7.704	97	8574	2.848	ug/l	98
36) 1,1-Dichloropropene	7.917	75	6474	2.844	ug/l	98
37) Ethyl Acetate	7.076	43	2630	2.620	ug/l #	79
38) Carbon Tetrachloride	7.899	117	8191	2.786	ug/l	99
39) Methylcyclohexane	9.179	83	7933	2.851	ug/l	93
40) Benzene	8.161	78	19013	2.893	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	1535m	2.602	ug/l	
42) 1,2-Dichloroethane	8.240	62	5929	2.834	ug/l	97
43) Isopropyl Acetate	8.277	43	4802	2.572	ug/l #	89
44) Trichloroethene	8.941	130	5668	2.886	ug/l	97
45) 1,2-Dichloropropane	9.216	63	3806	2.776	ug/l	100
46) Dibromomethane	9.307	93	2514	2.739	ug/l	95
47) Bromodichloromethane	9.496	83	6361	2.753	ug/l	95
48) Methyl methacrylate	9.295	41	2117	2.461	ug/l	92
49) 1,4-Dioxane	9.295	88	584	46.691	ug/l #	81
51) 4-Methyl-2-Pentanone	10.069	43	11638	11.688	ug/l	92
52) Toluene	10.246	92	12689	2.900	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	6441	2.665	ug/l	89
54) cis-1,3-Dichloropropene	9.929	75	6586	2.530	ug/l	95
55) 1,1,2-Trichloroethane	10.648	97	3580	2.745	ug/l	87
56) Ethyl methacrylate	10.508	69	3971	2.321	ug/l	93
57) 1,3-Dichloropropane	10.795	76	5800	2.723	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	7166	12.658	ug/l #	79
59) 2-Hexanone	10.831	43	8359	11.027	ug/l	95
60) Dibromochloromethane	10.984	129	4461	2.579	ug/l	96
61) 1,2-Dibromoethane	11.093	107	3377	2.683	ug/l	99
64) Tetrachloroethene	10.721	164	6127	2.920	ug/l	94
65) Chlorobenzene	11.520	112	13460	2.861	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	4818	2.713	ug/l	93
67) Ethyl Benzene	11.593	91	23192	2.758	ug/l	91
68) m/p-Xylenes	11.703	106	18139	5.456	ug/l	98
69) o-Xylene	12.032	106	8844	2.785	ug/l	92
70) Styrene	12.044	104	14162	2.669	ug/l	98
71) Bromoform	12.209	173	3219	2.837	ug/l #	94
73) Isopropylbenzene	12.331	105	22985	2.741	ug/l	98
74) N-amyl acetate	12.148	43	3724	2.265	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	3705	2.805	ug/l	95
76) 1,2,3-Trichloropropane	12.636	75	2895m	2.707	ug/l	
77) Bromobenzene	12.611	156	5795	2.872	ug/l	90
78) n-propylbenzene	12.672	91	28473	2.901	ug/l	99
79) 2-Chlorotoluene	12.758	91	15812	2.850	ug/l	97
80) 1,3,5-Trimethylbenzene	12.813	105	20201	2.771	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	1396	2.690	ug/l	93
82) 4-Chlorotoluene	12.855	91	17237	2.957	ug/l	99
83) tert-Butylbenzene	13.075	119	17874	2.813	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	19126	2.660	ug/l	100
85) sec-Butylbenzene	13.258	105	26071	2.882	ug/l	99
86) p-Isopropyltoluene	13.373	119	21745	2.751	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	12146	3.026	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	12661	3.163	ug/l	93
89) n-Butylbenzene	13.697	91	18207	2.658	ug/l	97
90) Hexachloroethane	13.959	117	4365	3.059	ug/l	93
91) 1,2-Dichlorobenzene	13.739	146	10528	2.940	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.361	75	685	2.509	ug/l	85
93) 1,2,4-Trichlorobenzene	15.007	180	6686	2.914	ug/l	97
94) Hexachlorobutadiene	15.111	225	4114	2.978	ug/l	97
95) Naphthalene	15.239	128	11438	2.525	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	5652	2.862	ug/l	99

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

