

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013123\
 Data File : VY012417.D
 Acq On : 31 Jan 2023 14:00
 Operator : KP/MD
 Sample : MDL07
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL07

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/01/2023
 Supervised By :Mahesh Dadoda 02/01/2023

Quant Time: Feb 01 04:16:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 01 04:00:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	151350	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	231672	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	207737	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	106325	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	62349	44.310	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.620%		
35) Dibromofluoromethane	7.716	113	55773	45.466	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.940%		
50) Toluene-d8	10.179	98	196372	40.585	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	81.160%		
62) 4-Bromofluorobenzene	12.483	95	73008	42.219	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	84.440%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	3590	2.714	ug/l	94
3) Chloromethane	2.113	50	3369	2.759	ug/l #	86
4) Vinyl Chloride	2.253	62	3837	2.692	ug/l	92
5) Bromomethane	2.656	94	3728	3.383	ug/l	96
6) Chloroethane	2.796	64	2624	2.823	ug/l	90
7) Trichlorofluoromethane	3.131	101	7741	2.783	ug/l	96
8) Diethyl Ether	3.528	74	2138	2.583	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.906	101	3793	2.802	ug/l	97
10) Methyl Iodide	4.088	142	4290	2.085	ug/l	91
11) Tert butyl alcohol	4.942	59	3212	18.741	ug/l #	74
12) 1,1-Dichloroethene	3.869	96	3891	2.799	ug/l #	74
13) Acrolein	3.741	56	940	13.295	ug/l	88
14) Allyl chloride	4.479	41	3887	2.262	ug/l #	73
15) Acrylonitrile	5.161	53	4520	12.502	ug/l	99
16) Acetone	3.948	43	4648	11.029	ug/l	94
17) Carbon Disulfide	4.198	76	10771	2.505	ug/l	97
18) Methyl Acetate	4.473	43	2902	3.077	ug/l #	84
19) Methyl tert-butyl Ether	5.216	73	9700	2.503	ug/l	95
20) Methylene Chloride	4.710	84	11116	4.820	ug/l #	80
21) trans-1,2-Dichloroethene	5.216	96	4297	2.770	ug/l	89
22) Diisopropyl ether	6.125	45	7952	2.321	ug/l #	83
23) Vinyl Acetate	6.064	43	21856	10.236	ug/l #	86
24) 1,1-Dichloroethane	6.021	63	6193	2.606	ug/l	98
25) 2-Butanone	6.984	43	5116	10.996	ug/l #	87
26) 2,2-Dichloropropane	6.978	77	7026	2.723	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	4685	2.750	ug/l	93
28) Bromochloromethane	7.332	49	1768	3.406	ug/l #	68
29) Tetrahydrofuran	7.356	42	2878	11.261	ug/l #	80
30) Chloroform	7.509	83	7751	2.763	ug/l	97
31) Cyclohexane	7.783	56	7661	3.472	ug/l #	62
32) 1,1,1-Trichloroethane	7.704	97	7853	2.827	ug/l	96
36) 1,1-Dichloropropene	7.917	75	5697	2.733	ug/l	98
37) Ethyl Acetate	7.070	43	2246	2.444	ug/l #	96
38) Carbon Tetrachloride	7.905	117	7369	2.737	ug/l	96
39) Methylcyclohexane	9.179	83	6958	2.731	ug/l	92
40) Benzene	8.161	78	16195	2.691	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	1220	2.258	ug/l #	100
42) 1,2-Dichloroethane	8.240	62	5371	2.804	ug/l	95
43) Isopropyl Acetate	8.271	43	3997	2.338	ug/l #	90
44) Trichloroethene	8.941	130	4854	2.699	ug/l	95
45) 1,2-Dichloropropane	9.209	63	3333	2.655	ug/l	100
46) Dibromomethane	9.301	93	2117	2.519	ug/l	93
47) Bromodichloromethane	9.496	83	5834	2.757	ug/l	96
48) Methyl methacrylate	9.295	41	1674	2.125	ug/l #	83
49) 1,4-Dioxane	9.301	88	479	41.821	ug/l #	63
51) 4-Methyl-2-Pentanone	10.069	43	9918	10.878	ug/l	90
52) Toluene	10.240	92	10863	2.711	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	5702	2.576	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	5920	2.484	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	3297	2.761	ug/l #	81
56) Ethyl methacrylate	10.514	69	3704	2.364	ug/l #	87
57) 1,3-Dichloropropane	10.788	76	5177	2.654	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	7341	14.160	ug/l #	85
59) 2-Hexanone	10.831	43	7100	10.228	ug/l	99
60) Dibromochloromethane	10.984	129	4260	2.689	ug/l	99
61) 1,2-Dibromoethane	11.093	107	3070	2.664	ug/l	93
64) Tetrachloroethene	10.721	164	5437	2.868	ug/l	92
65) Chlorobenzene	11.514	112	11677	2.747	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.593	131	4662	2.906	ug/l	96
67) Ethyl Benzene	11.593	91	20734	2.729	ug/l	99
68) m/p-Xylenes	11.703	106	16183	5.388	ug/l	95
69) o-Xylene	12.032	106	7469	2.604	ug/l	97
70) Styrene	12.044	104	11912	2.485	ug/l	98
71) Bromoform	12.209	173	2705	2.639	ug/l #	99
73) Isopropylbenzene	12.331	105	19704	2.570	ug/l	97
74) N-amyl acetate	12.142	43	3063	2.038	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.581	83	3286	2.721	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	2238m	2.289	ug/l	
77) Bromobenzene	12.611	156	5051	2.738	ug/l	92
78) n-propylbenzene	12.672	91	24109	2.687	ug/l	98
79) 2-Chlorotoluene	12.758	91	13547	2.671	ug/l	94
80) 1,3,5-Trimethylbenzene	12.812	105	17350	2.603	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	1152m	2.428	ug/l	
82) 4-Chlorotoluene	12.855	91	14021	2.631	ug/l	98
83) tert-Butylbenzene	13.075	119	15244	2.624	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	16771	2.552	ug/l	100
85) sec-Butylbenzene	13.251	105	21836	2.640	ug/l	97
86) p-Isopropyltoluene	13.367	119	18714	2.590	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	10265	2.798	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	10556	2.885	ug/l	90
89) n-Butylbenzene	13.696	91	15894	2.538	ug/l	97
90) Hexachloroethane	13.959	117	3572	2.738	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	9359	2.859	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	675	2.705	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	5154	2.457	ug/l	98
94) Hexachlorobutadiene	15.111	225	3657	2.895	ug/l	96
95) Naphthalene	15.233	128	9395	2.269	ug/l	97
96) 1,2,3-Trichlorobenzene	15.428	180	4481	2.482	ug/l	99

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

