

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020223\
 Data File : VY012457.D
 Acq On : 02 Feb 2023 15:26
 Operator : KP/MD
 Sample : MDL07
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL07

Quant Time: Feb 03 03:59:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 03 03:55:48 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 02/03/2023
 Supervised By :Mahesh Dadoda 02/03/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	165178	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	254449	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	228374	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	113718	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	62455	40.669	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	81.340%		
35) Dibromofluoromethane	7.716	113	59901	44.460	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.920%		
50) Toluene-d8	10.179	98	205053	38.585	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	77.180%		
62) 4-Bromofluorobenzene	12.483	95	77501	40.805	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	81.620%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	4090	2.833	ug/l	93
3) Chloromethane	2.113	50	3846	2.886	ug/l	92
4) Vinyl Chloride	2.253	62	4648	2.988	ug/l	99
5) Bromomethane	2.656	94	4195	3.488	ug/l	94
6) Chloroethane	2.790	64	3097	3.053	ug/l	92
7) Trichlorofluoromethane	3.125	101	9302	3.064	ug/l	95
8) Diethyl Ether	3.528	74	2744	3.038	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.906	101	4649	3.147	ug/l	96
10) Methyl Iodide	4.094	142	5625	2.505	ug/l	98
11) Tert butyl alcohol	4.936	59	9889	52.870	ug/l #	77
12) 1,1-Dichloroethene	3.875	96	4401	2.901	ug/l	92
13) Acrolein	3.729	56	1127	14.606	ug/l	93
14) Allyl chloride	4.485	41	5406	2.882	ug/l #	86
15) Acrylonitrile	5.161	53	5622	14.249	ug/l	98
16) Acetone	3.948	43	7301	15.874	ug/l	93
17) Carbon Disulfide	4.198	76	12340	2.630	ug/l	97
18) Methyl Acetate	4.479	43	3896	3.785	ug/l	91
19) Methyl tert-butyl Ether	5.216	73	11160	2.639	ug/l	97
20) Methylene Chloride	4.716	84	19202	7.629	ug/l	86
21) trans-1,2-Dichloroethene	5.222	96	5010	2.959	ug/l #	77
22) Diisopropyl ether	6.125	45	10794	2.886	ug/l #	96
23) Vinyl Acetate	6.058	43	28470	12.217	ug/l	95
24) 1,1-Dichloroethane	6.015	63	8096	3.121	ug/l	95
25) 2-Butanone	6.984	43	7925	15.607	ug/l #	81
26) 2,2-Dichloropropane	6.978	77	10507	3.731	ug/l	88
27) cis-1,2-Dichloroethene	6.990	96	5561	2.991	ug/l	93
28) Bromochloromethane	7.344	49	2118	3.739	ug/l #	77
29) Tetrahydrofuran	7.344	42	3780	13.552	ug/l #	86
30) Chloroform	7.508	83	9305	3.039	ug/l	94
31) Cyclohexane	7.789	56	9366	3.889	ug/l #	57
32) 1,1,1-Trichloroethane	7.704	97	8727	2.879	ug/l	97
36) 1,1-Dichloropropene	7.917	75	6667	2.912	ug/l	100
37) Ethyl Acetate	7.076	43	2971	2.943	ug/l #	92
38) Carbon Tetrachloride	7.905	117	8791	2.973	ug/l	92
39) Methylcyclohexane	9.185	83	8455	3.022	ug/l #	85
40) Benzene	8.161	78	19998	3.026	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	1541m	2.597	ug/l	
42) 1,2-Dichloroethane	8.234	62	5987	2.846	ug/l	99
43) Isopropyl Acetate	8.277	43	5117	2.725	ug/l #	89
44) Trichloroethene	8.941	130	5931	3.003	ug/l	100
45) 1,2-Dichloropropane	9.222	63	4194	3.041	ug/l	98
46) Dibromomethane	9.307	93	2665	2.887	ug/l	97
47) Bromodichloromethane	9.496	83	6777	2.916	ug/l	98
48) Methyl methacrylate	9.289	41	2544	2.940	ug/l	98
49) 1,4-Dioxane	9.289	88	600	47.696	ug/l	94
51) 4-Methyl-2-Pentanone	10.069	43	12819	12.801	ug/l	97
52) Toluene	10.246	92	12937	2.940	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	6554	2.696	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	7202	2.751	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	3966	3.024	ug/l	88
56) Ethyl methacrylate	10.514	69	4701	2.732	ug/l #	87
57) 1,3-Dichloropropane	10.794	76	6258	2.921	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	8341	14.649	ug/l	90
59) 2-Hexanone	10.831	43	8876	11.642	ug/l	99
60) Dibromochloromethane	10.990	129	5067	2.913	ug/l	99
61) 1,2-Dibromoethane	11.087	107	3286	2.596	ug/l	95
64) Tetrachloroethene	10.721	164	6358	3.051	ug/l	91
65) Chlorobenzene	11.514	112	13778	2.949	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.593	131	5338	3.027	ug/l	98
67) Ethyl Benzene	11.593	91	24382	2.920	ug/l	99
68) m/p-Xylenes	11.703	106	18638	5.645	ug/l	97
69) o-Xylene	12.032	106	8909	2.825	ug/l	93
70) Styrene	12.044	104	14954	2.838	ug/l	97
71) Bromoform	12.209	173	3113	2.763	ug/l #	96
73) Isopropylbenzene	12.331	105	23428	2.857	ug/l	98
74) N-amyl acetate	12.148	43	4082	2.539	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	3945	3.054	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	2837m	2.713	ug/l	
77) Bromobenzene	12.611	156	6283	3.184	ug/l	92
78) n-propylbenzene	12.672	91	29515	3.076	ug/l	99
79) 2-Chlorotoluene	12.758	91	15940	2.938	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	20485	2.874	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.380	75	1450	2.857	ug/l	95
82) 4-Chlorotoluene	12.855	91	16392	2.876	ug/l	96
83) tert-Butylbenzene	13.075	119	18386	2.959	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	19327	2.749	ug/l	100
85) sec-Butylbenzene	13.251	105	25637	2.898	ug/l	98
86) p-Isopropyltoluene	13.373	119	21885	2.832	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	12254	3.123	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	12289	3.140	ug/l	93
89) n-Butylbenzene	13.696	91	19347	2.889	ug/l	97
90) Hexachloroethane	13.959	117	4372	3.134	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	10214	2.917	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	800	2.997	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	5877	2.619	ug/l	97
94) Hexachlorobutadiene	15.111	225	4101	3.036	ug/l	94
95) Naphthalene	15.239	128	10082	2.277	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	4785	2.478	ug/l	97

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

