

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012523\
 Data File : VY012360.D
 Acq On : 25 Jan 2023 16:41
 Operator : KP/MD
 Sample : MDL03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

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

Quant Time: Jan 26 04:33:14 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	161438	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	248104	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	223052	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	113826	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	67791	45.167	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.340%		
35) Dibromofluoromethane	7.716	113	58222	44.319	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.640%		
50) Toluene-d8	10.179	98	210764	40.674	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	81.340%		
62) 4-Bromofluorobenzene	12.483	95	77306	41.743	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	83.480%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	3775	2.676	ug/l	98
3) Chloromethane	2.113	50	3643	2.797	ug/l	93
4) Vinyl Chloride	2.253	62	4052	2.665	ug/l	98
5) Bromomethane	2.650	94	4004	3.407	ug/l #	80
6) Chloroethane	2.796	64	2786	2.810	ug/l	91
7) Trichlorofluoromethane	3.131	101	8788	2.962	ug/l	100
8) Diethyl Ether	3.534	74	2338	2.648	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.906	101	3915	2.711	ug/l	88
10) Methyl Iodide	4.088	142	4834	2.203	ug/l	96
11) Tert butyl alcohol	4.936	59	7157	39.150	ug/l #	77
12) 1,1-Dichloroethene	3.869	96	3887	2.622	ug/l	90
13) Acrolein	3.741	56	1138	15.090	ug/l	95
14) Allyl chloride	4.485	41	4577	2.497	ug/l #	84
15) Acrylonitrile	5.168	53	4953	12.844	ug/l	97
16) Acetone	3.948	43	6846	15.229	ug/l	93
17) Carbon Disulfide	4.198	76	11986	2.613	ug/l	97
18) Methyl Acetate	4.479	43	3125	3.107	ug/l #	80
19) Methyl tert-butyl Ether	5.216	73	10852	2.626	ug/l	100
20) Methylene Chloride	4.716	84	13598	5.528	ug/l	85
21) trans-1,2-Dichloroethene	5.222	96	4660	2.816	ug/l #	83
22) Diisopropyl ether	6.119	45	8607	2.355	ug/l #	79
23) Vinyl Acetate	6.058	43	25006	10.979	ug/l #	91
24) 1,1-Dichloroethane	6.021	63	6972	2.750	ug/l	98
25) 2-Butanone	6.984	43	7571	15.256	ug/l	93
26) 2,2-Dichloropropane	6.972	77	9841	3.576	ug/l	86
27) cis-1,2-Dichloroethene	6.984	96	4847	2.667	ug/l	91
28) Bromochloromethane	7.338	49	1820	3.287	ug/l #	67
29) Tetrahydrofuran	7.338	42	3575	13.114	ug/l #	76
30) Chloroform	7.502	83	8251	2.757	ug/l	98
31) Cyclohexane	7.789	56	8309	3.530	ug/l #	60
32) 1,1,1-Trichloroethane	7.710	97	8130	2.744	ug/l	98
36) 1,1-Dichloropropene	7.917	75	6163	2.760	ug/l	93
37) Ethyl Acetate	7.070	43	2513	2.553	ug/l #	87
38) Carbon Tetrachloride	7.899	117	8223	2.852	ug/l #	95
39) Methylcyclohexane	9.185	83	7636	2.799	ug/l #	89
40) Benzene	8.161	78	17688	2.745	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	1509m	2.608	ug/l	
42) 1,2-Dichloroethane	8.234	62	5888	2.870	ug/l	100
43) Isopropyl Acetate	8.271	43	4579	2.501	ug/l #	90
44) Trichloroethene	8.935	130	5179	2.689	ug/l	93
45) 1,2-Dichloropropane	9.216	63	3522	2.619	ug/l	98
46) Dibromomethane	9.307	93	2303	2.558	ug/l	89
47) Bromodichloromethane	9.496	83	6157	2.717	ug/l	94
48) Methyl methacrylate	9.295	41	2164	2.565	ug/l	92
49) 1,4-Dioxane	9.295	88	585	47.693	ug/l #	75
51) 4-Methyl-2-Pentanone	10.069	43	11657	11.938	ug/l	94
52) Toluene	10.246	92	11386	2.654	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	6433	2.714	ug/l #	87
54) cis-1,3-Dichloropropene	9.929	75	6564	2.572	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	3423	2.676	ug/l	97
56) Ethyl methacrylate	10.514	69	4207	2.507	ug/l	90
57) 1,3-Dichloropropane	10.788	76	5730	2.743	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.789	63	7164	12.904	ug/l #	85
59) 2-Hexanone	10.831	43	8184	11.009	ug/l	92
60) Dibromochloromethane	10.984	129	4459	2.629	ug/l	99
61) 1,2-Dibromoethane	11.087	107	3236	2.622	ug/l	97
64) Tetrachloroethene	10.715	164	5723	2.812	ug/l	93
65) Chlorobenzene	11.514	112	12295	2.694	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	4731	2.746	ug/l	98
67) Ethyl Benzene	11.593	91	21456	2.631	ug/l	95
68) m/p-Xylenes	11.703	106	17015	5.276	ug/l	97
69) o-Xylene	12.032	106	7872	2.556	ug/l	97
70) Styrene	12.044	104	13119	2.549	ug/l	98
71) Bromoform	12.209	173	2922	2.655	ug/l #	98
73) Isopropylbenzene	12.331	105	20664	2.518	ug/l	98
74) N-amyl acetate	12.148	43	3403	2.115	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	3456	2.673	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	2628m	2.511	ug/l	
77) Bromobenzene	12.605	156	5322	2.695	ug/l	91
78) n-propylbenzene	12.672	91	25373	2.642	ug/l	97
79) 2-Chlorotoluene	12.758	91	14023	2.582	ug/l	97
80) 1,3,5-Trimethylbenzene	12.813	105	17834	2.499	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	1266m	2.492	ug/l	
82) 4-Chlorotoluene	12.855	91	14425	2.529	ug/l	95
83) tert-Butylbenzene	13.075	119	16182	2.602	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	17357	2.467	ug/l	98
85) sec-Butylbenzene	13.251	105	22324	2.521	ug/l	95
86) p-Isopropyltoluene	13.373	119	19007	2.457	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	10768	2.741	ug/l	97
88) 1,4-Dichlorobenzene	13.447	146	10522	2.686	ug/l	85
89) n-Butylbenzene	13.697	91	16888	2.519	ug/l	96
90) Hexachloroethane	13.965	117	3659	2.620	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	9482	2.705	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	799	2.991	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	5305	2.362	ug/l	98
94) Hexachlorobutadiene	15.117	225	3587	2.653	ug/l	95
95) Naphthalene	15.239	128	9615	2.169	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	4520	2.339	ug/l	98

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

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