

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071023\
 Data File : VY014613.D
 Acq On : 10 Jul 2023 13:17
 Operator : SY/MD
 Sample : 03375-06MSD
 Misc : 5.76g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-2(8-10)MSD

Quant Time: Jul 11 03:17:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 30 19:02:11 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/11/2023
 Supervised By : Mahesh Dadoda 07/11/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	257277	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	375893	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	356872	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	190218	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	124533	48.658	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.320%		
35) Dibromofluoromethane	7.716	113	121970	52.692	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	105.380%		
50) Toluene-d8	10.179	98	457074	49.950	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.900%		
62) 4-Bromofluorobenzene	12.477	95	156127	49.136	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	98.280%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	102804	56.378	ug/l	99
3) Chloromethane	2.107	50	150946	50.659	ug/l	96
4) Vinyl Chloride	2.247	62	190902	55.584	ug/l	94
5) Bromomethane	2.637	94	134846	50.634	ug/l	100
6) Chloroethane	2.784	64	121656	55.013	ug/l	96
7) Trichlorofluoromethane	3.119	101	228440	54.766	ug/l	99
8) Diethyl Ether	3.527	74	82450	52.203	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.887	101	132461	53.177	ug/l	97
10) Methyl Iodide	4.088	142	165209	58.121	ug/l	92
11) Tert butyl alcohol	4.954	59	93811	208.329	ug/l #	81
12) 1,1-Dichloroethene	3.863	96	128621	53.301	ug/l	87
13) Acrolein	3.723	56	50406	148.286	ug/l	98
14) Allyl chloride	4.472	41	174819	48.064	ug/l #	87
15) Acrylonitrile	5.161	53	220161	242.821	ug/l	99
16) Acetone	3.942	43	191139	239.144	ug/l #	86
17) Carbon Disulfide	4.186	76	353007	48.003	ug/l	98
18) Methyl Acetate	4.472	43	188759	51.880	ug/l #	90
19) Methyl tert-butyl Ether	5.216	73	362955	52.333	ug/l	97
20) Methylene Chloride	4.710	84	156165	54.591	ug/l #	85
21) trans-1,2-Dichloroethene	5.216	96	138517	50.711	ug/l	95
22) Diisopropyl ether	6.118	45	389100	51.918	ug/l #	87
23) Vinyl Acetate	6.057	43	1081180	249.346	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	240059	51.023	ug/l	98
25) 2-Butanone	6.984	43	292644	247.279	ug/l	93
26) 2,2-Dichloropropane	6.978	77	208749	52.054	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	159804	51.574	ug/l	90
28) Bromochloromethane	7.332	49	101018	51.133	ug/l	83
29) Tetrahydrofuran	7.344	42	191816	251.281	ug/l #	86
30) Chloroform	7.502	83	251939	51.333	ug/l	97
31) Cyclohexane	7.783	56	195828	48.771	ug/l	92
32) 1,1,1-Trichloroethane	7.697	97	217947	51.952	ug/l	97
36) 1,1-Dichloropropene	7.911	75	190747	53.810	ug/l	97
37) Ethyl Acetate	7.069	43	121714	50.067	ug/l #	91
38) Carbon Tetrachloride	7.899	117	201291	54.396	ug/l	97
39) Methylcyclohexane	9.185	83	222173	52.435	ug/l	92
40) Benzene	8.161	78	550686	51.320	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	55084m	46.380	ug/l	
42) 1,2-Dichloroethane	8.234	62	167980	53.260	ug/l	94
43) Isopropyl Acetate	8.271	43	212587	51.601	ug/l #	91
44) Trichloroethene	8.941	130	160060	53.505	ug/l	94
45) 1,2-Dichloropropane	9.215	63	145296	52.782	ug/l	97
46) Dibromomethane	9.307	93	91017	54.312	ug/l	93
47) Bromodichloromethane	9.496	83	198162	53.667	ug/l	98
48) Methyl methacrylate	9.295	41	100769	53.787	ug/l #	81
49) 1,4-Dioxane	9.295	88	30864	1031.383	ug/l #	58
51) 4-Methyl-2-Pentanone	10.069	43	633195	259.608	ug/l	89
52) Toluene	10.240	92	349265	51.724	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	212886	53.915	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	233990	53.113	ug/l #	85
55) 1,1,2-Trichloroethane	10.642	97	130409	53.480	ug/l	98
56) Ethyl methacrylate	10.508	69	179747	54.189	ug/l #	79
57) 1,3-Dichloropropane	10.788	76	210828	53.063	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	442290	275.234	ug/l	95
59) 2-Hexanone	10.831	43	462053	262.252	ug/l	87
60) Dibromochloromethane	10.983	129	156405	54.739	ug/l	100
61) 1,2-Dibromoethane	11.087	107	128190	53.847	ug/l	100
64) Tetrachloroethene	10.715	164	164369	51.523	ug/l	97
65) Chlorobenzene	11.514	112	387685	50.976	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	153084	52.960	ug/l	98
67) Ethyl Benzene	11.593	91	667944	51.502	ug/l	99
68) m/p-Xylenes	11.703	106	531039	103.225	ug/l	94
69) o-Xylene	12.026	106	253509	51.956	ug/l	94
70) Styrene	12.044	104	437553	52.122	ug/l	96
71) Bromoform	12.209	173	118619	54.015	ug/l #	99
73) Isopropylbenzene	12.331	105	658597	52.866	ug/l	99
74) N-amyl acetate	12.142	43	187472	49.861	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	166247	52.002	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	119270m	53.433	ug/l	
77) Bromobenzene	12.605	156	181748	53.414	ug/l	93
78) n-propylbenzene	12.666	91	801337	52.731	ug/l	99
79) 2-Chlorotoluene	12.758	91	451606	51.638	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	554079	52.537	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.373	75	58543	51.049	ug/l #	86
82) 4-Chlorotoluene	12.855	91	472371	51.557	ug/l	97
83) tert-Butylbenzene	13.075	119	490367	52.905	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	557679	52.991	ug/l	98
85) sec-Butylbenzene	13.251	105	717713	52.474	ug/l	99
86) p-Isopropyltoluene	13.367	119	607732	52.799	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	343674	51.658	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	339842	50.971	ug/l	99
89) n-Butylbenzene	13.696	91	554017	52.083	ug/l	98
90) Hexachloroethane	13.959	117	118697	52.060	ug/l	87
91) 1,2-Dichlorobenzene	13.739	146	314201	52.139	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	30894	52.783	ug/l	82
93) 1,2,4-Trichlorobenzene	15.007	180	207930	53.421	ug/l	98
94) Hexachlorobutadiene	15.111	225	118307	49.455	ug/l	96
95) Naphthalene	15.233	128	478344	57.764	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	190940	53.839	ug/l	99

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

