

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071323\
 Data File : VY014625.D
 Acq On : 13 Jul 2023 11:05
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Quant Time: Jul 14 02:00:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 01:52:00 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/14/2023
 Supervised By : Mahesh Dadoda 07/14/2023

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	348803	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	577077	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	501847	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	236903	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	585307	147.256	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 294.520%#			
35) Dibromofluoromethane	7.710	113	535540	145.783	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 291.560%#			
50) Toluene-d8	10.179	98	1910162	141.039	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 282.080%#			
62) 4-Bromofluorobenzene	12.477	95	733073	141.163	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 282.320%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	387412	136.329	ug/l	98
3) Chloromethane	2.107	50	437684	137.016	ug/l	98
4) Vinyl Chloride	2.241	62	495491	138.790	ug/l	98
6) Chloroethane	2.765	64	301893	135.377	ug/l	97
7) Trichlorofluoromethane	3.107	101	857323	142.984	ug/l	99
8) Diethyl Ether	3.521	74	321575	144.145	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.881	101	533697	145.220	ug/l	95
10) Methyl Iodide	4.076	142	593099	147.392	ug/l	96
11) Tert butyl alcohol	4.954	59	500360	748.646	ug/l #	85
12) 1,1-Dichloroethene	3.857	96	493499	143.676	ug/l	93
13) Acrolein	3.716	56	391142	941.515	ug/l	100
14) Allyl chloride	4.466	41	875287	143.520	ug/l	96
15) Acrylonitrile	5.155	53	901923	733.149	ug/l	99
16) Acetone	3.942	43	858844	681.867	ug/l	93
17) Carbon Disulfide	4.180	76	1367968	139.109	ug/l	99
18) Methyl Acetate	4.466	43	721655	149.301	ug/l	95
19) Methyl tert-butyl Ether	5.210	73	1629727	146.064	ug/l	99
20) Methylene Chloride	4.704	84	565060	146.224	ug/l	93
21) trans-1,2-Dichloroethene	5.204	96	551688	141.532	ug/l	99
22) Diisopropyl ether	6.112	45	1810790	146.040	ug/l	92
23) Vinyl Acetate	6.051	43	5446499	734.023	ug/l	96
24) 1,1-Dichloroethane	6.003	63	1025033	144.480	ug/l	97
25) 2-Butanone	6.978	43	1298937	704.906	ug/l	95
26) 2,2-Dichloropropane	6.972	77	938034	138.730	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	646763	142.546	ug/l	97
28) Bromochloromethane	7.326	49	434633	142.245	ug/l	98
29) Tetrahydrofuran	7.338	42	835039	735.940	ug/l	95
30) Chloroform	7.496	83	1049162	143.406	ug/l	95
31) Cyclohexane	7.777	56	886109	134.297	ug/l	95
32) 1,1,1-Trichloroethane	7.691	97	959638	145.741	ug/l	99
36) 1,1-Dichloropropene	7.911	75	793389	144.419	ug/l	99
37) Ethyl Acetate	7.069	43	559843	148.014	ug/l #	95
38) Carbon Tetrachloride	7.893	117	852181	146.744	ug/l	98
39) Methylcyclohexane	9.179	83	1020817	142.628	ug/l	97
40) Benzene	8.155	78	2219783	142.073	ug/l	100
41) Methacrylonitrile	7.313	41	299074m	149.523	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.234	62	731640	147.873	ug/l	95
43) Isopropyl Acetate	8.270	43	1066678	148.046	ug/l	97
44) Trichloroethene	8.935	130	624635	142.887	ug/l	99
45) 1,2-Dichloropropane	9.209	63	583415	142.999	ug/l	98
46) Dibromomethane	9.301	93	356062	143.861	ug/l	95
47) Bromodichloromethane	9.490	83	848301	145.421	ug/l	99
48) Methyl methacrylate	9.289	41	483717	149.200	ug/l	94
49) 1,4-Dioxane	9.295	88	119756	2967.364	ug/l #	45
51) 4-Methyl-2-Pentanone	10.069	43	2731477	722.043	ug/l	94
52) Toluene	10.240	92	1407343	140.763	ug/l	93
53) t-1,3-Dichloropropene	10.459	75	929558	145.680	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	997006	143.683	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	501174	145.367	ug/l	97
56) Ethyl methacrylate	10.508	69	772495	146.751	ug/l	94
57) 1,3-Dichloropropane	10.788	76	855880	143.930	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	1745270	711.567	ug/l	95
59) 2-Hexanone	10.831	43	1995130	723.199	ug/l	93
60) Dibromochloromethane	10.983	129	614305	145.327	ug/l	100
61) 1,2-Dibromoethane	11.087	107	497034	144.513	ug/l	100
64) Tetrachloroethene	10.715	164	546037	135.286	ug/l	98
65) Chlorobenzene	11.514	112	1528763	142.952	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	575589	142.749	ug/l	99
67) Ethyl Benzene	11.587	91	2712251	140.469	ug/l	98
68) m/p-Xylenes	11.703	106	2075870	281.644	ug/l	96
69) o-Xylene	12.026	106	1014426	141.305	ug/l	99
70) Styrene	12.038	104	1699869	140.490	ug/l	99
71) Bromoform	12.203	173	398537	145.817	ug/l #	100
73) Isopropylbenzene	12.325	105	2680365	144.497	ug/l	99
74) N-amyl acetate	12.142	43	948855	152.731	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	628884	148.668	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	440574m	145.322	ug/l	
77) Bromobenzene	12.605	156	619539	146.316	ug/l	92
78) n-propylbenzene	12.666	91	3208361	143.535	ug/l	99
79) 2-Chlorotoluene	12.751	91	1873221	145.497	ug/l	98
80) 1,3,5-Trimethylbenzene	12.806	105	2226072	143.695	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	235974	152.702	ug/l	95
82) 4-Chlorotoluene	12.849	91	1919921	144.795	ug/l	98
83) tert-Butylbenzene	13.068	119	1997624	145.366	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	2171313	142.820	ug/l	99
85) sec-Butylbenzene	13.251	105	2882320	142.981	ug/l	100
86) p-Isopropyltoluene	13.367	119	2335986	141.928	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	1176551	142.769	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	1190339	144.142	ug/l	98
89) n-Butylbenzene	13.690	91	2303273	143.838	ug/l	95
90) Hexachloroethane	13.958	117	494909	146.394	ug/l	89
91) 1,2-Dichlorobenzene	13.733	146	1092720	144.725	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	122749	151.735	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	728944	152.089	ug/l	98
94) Hexachlorobutadiene	15.111	225	387455	147.106	ug/l	98
95) Naphthalene	15.233	128	1747562	156.503	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	657243	154.296	ug/l	99

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

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