

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071323\
 Data File : VY014621.D
 Acq On : 13 Jul 2023 09:31
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

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

Quant Time: Jul 14 01:59:37 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

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	360430	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	596835	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	519072	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	247152	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	38478	9.368	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	18.740%#		
35) Dibromofluoromethane	7.710	113	36588	9.630	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.260%#		
50) Toluene-d8	10.179	98	137153	9.792	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	19.580%#		
62) 4-Bromofluorobenzene	12.477	95	52548	9.784	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	19.560%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	32395	11.032	ug/l	98
3) Chloromethane	2.107	50	33684	10.205	ug/l	96
4) Vinyl Chloride	2.247	62	37388	10.135	ug/l	95
5) Bromomethane	2.644	94	24420	10.017	ug/l	100
6) Chloroethane	2.784	64	23022	9.991	ug/l	96
7) Trichlorofluoromethane	3.113	101	61176	9.874	ug/l	100
8) Diethyl Ether	3.521	74	21795	9.454	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.887	101	36431	9.593	ug/l	94
10) Methyl Iodide	4.082	142	26512	8.643	ug/l	98
11) Tert butyl alcohol	4.930	59	42685	37.986	ug/l #	93
12) 1,1-Dichloroethene	3.863	96	34612	9.752	ug/l	93
13) Acrolein	3.729	56	18191	42.375	ug/l	98
14) Allyl chloride	4.472	41	59284	9.407	ug/l	95
15) Acrylonitrile	5.155	53	55381	43.565	ug/l	99
16) Acetone	3.942	43	51885	39.865	ug/l	91
17) Carbon Disulfide	4.186	76	102977	10.134	ug/l	99
18) Methyl Acetate	4.472	43	44164	8.842	ug/l	91
19) Methyl tert-butyl Ether	5.210	73	105685	9.166	ug/l	99
20) Methylene Chloride	4.710	84	44706	6.936	ug/l	92
21) trans-1,2-Dichloroethene	5.210	96	39375	9.776	ug/l	98
22) Diisopropyl ether	6.112	45	119074	9.294	ug/l	92
23) Vinyl Acetate	6.051	43	342208	44.632	ug/l #	94
24) 1,1-Dichloroethane	6.009	63	68929	9.402	ug/l	97
25) 2-Butanone	6.978	43	80508	42.281	ug/l	100
26) 2,2-Dichloropropane	6.972	77	66485	9.516	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	44291	9.447	ug/l	99
28) Bromochloromethane	7.326	49	34457	10.913	ug/l	98
29) Tetrahydrofuran	7.344	42	51019	43.514	ug/l	94
30) Chloroform	7.502	83	70240	9.291	ug/l	93
31) Cyclohexane	7.777	56	69097	10.134	ug/l #	87
32) 1,1,1-Trichloroethane	7.697	97	63435	9.323	ug/l	98
36) 1,1-Dichloropropene	7.917	75	54266	9.551	ug/l	99
37) Ethyl Acetate	7.070	43	34198	8.742	ug/l #	93
38) Carbon Tetrachloride	7.893	117	56429	9.395	ug/l	99
39) Methylcyclohexane	9.179	83	71681	9.684	ug/l	97
40) Benzene	8.155	78	152456	9.435	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	16180	7.821	ug/l #	91
42) 1,2-Dichloroethane	8.234	62	47177	9.219	ug/l	91
43) Isopropyl Acetate	8.271	43	66835	8.969	ug/l	96
44) Trichloroethene	8.935	130	42773	9.461	ug/l	97
45) 1,2-Dichloropropane	9.209	63	39557	9.375	ug/l	98
46) Dibromomethane	9.301	93	23598	9.219	ug/l	95
47) Bromodichloromethane	9.490	83	55999	9.282	ug/l	97
48) Methyl methacrylate	9.289	41	30353	9.052	ug/l	92
49) 1,4-Dioxane	9.301	88	6608	158.315	ug/l #	46
51) 4-Methyl-2-Pentanone	10.069	43	171791	43.908	ug/l	94
52) Toluene	10.240	92	98292	9.506	ug/l	92
53) t-1,3-Dichloropropene	10.459	75	60794	9.212	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	67177	9.361	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	32568	9.134	ug/l	98
56) Ethyl methacrylate	10.508	69	47950	8.808	ug/l	93
57) 1,3-Dichloropropane	10.788	76	56283	9.152	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.776	63	124725	49.168	ug/l	95
59) 2-Hexanone	10.831	43	122597	42.968	ug/l	91
60) Dibromochloromethane	10.983	129	39992	9.148	ug/l	99
61) 1,2-Dibromoethane	11.087	107	32574	9.157	ug/l	99
64) Tetrachloroethene	10.715	164	40964	9.812	ug/l	99
65) Chlorobenzene	11.514	112	103950	9.398	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	38649	9.267	ug/l	97
67) Ethyl Benzene	11.593	91	189686	9.498	ug/l	98
68) m/p-Xylenes	11.703	106	145226	19.050	ug/l	96
69) o-Xylene	12.026	106	69812	9.402	ug/l	99
70) Styrene	12.044	104	116487	9.308	ug/l	98
71) Bromoform	12.209	173	25270	8.939	ug/l #	100
73) Isopropylbenzene	12.325	105	185423	9.582	ug/l	100
74) N-amyl acetate	12.142	43	57952	8.941	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	40003	9.065	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	29102m	9.201	ug/l	
77) Bromobenzene	12.605	156	41140	9.313	ug/l	93
78) n-propylbenzene	12.666	91	223016	9.563	ug/l	100
79) 2-Chlorotoluene	12.758	91	127211	9.471	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	153741	9.513	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	13721	8.511	ug/l	95
82) 4-Chlorotoluene	12.855	91	131997	9.542	ug/l	98
83) tert-Butylbenzene	13.075	119	135514	9.452	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	150941	9.517	ug/l	99
85) sec-Butylbenzene	13.251	105	201094	9.562	ug/l	100
86) p-Isopropyltoluene	13.367	119	163449	9.519	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	80714	9.388	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	80252	9.315	ug/l	96
89) n-Butylbenzene	13.696	91	157263	9.414	ug/l	95
90) Hexachloroethane	13.959	117	32661	9.260	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	74273	9.429	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	7247	8.587	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	43695	8.739	ug/l	98
94) Hexachlorobutadiene	15.111	225	25017	9.104	ug/l	98
95) Naphthalene	15.233	128	96718	8.302	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	37957	8.541	ug/l	98

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

