

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080223\
 Data File : VY014940.D
 Acq On : 02 Aug 2023 19:14
 Operator : SY/MD
 Sample : 03862-04MS
 Misc : 6.12g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BUILDING-B-11-(10-15)MS

Quant Time: Aug 03 04:31:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/03/2023
 Supervised By :Mahesh Dadoda 08/03/2023

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	233436	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	393724	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	345475	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	168366	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	154728	58.166	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.340%			
35) Dibromofluoromethane	7.710	113	141863	56.601	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.200%			
50) Toluene-d8	10.179	98	500910	54.209	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.420%			
62) 4-Bromofluorobenzene	12.477	95	181350	51.184	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.360%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	75066	39.470	ug/l	94
3) Chloromethane	2.113	50	101139	47.309	ug/l	97
4) Vinyl Chloride	2.247	62	126375	52.893	ug/l	97
5) Bromomethane	2.637	94	100254	63.494	ug/l	99
6) Chloroethane	2.784	64	87139	58.387	ug/l	94
7) Trichlorofluoromethane	3.119	101	196191	48.892	ug/l	98
8) Diethyl Ether	3.527	74	71614	47.965	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.893	101	117138	47.626	ug/l	96
10) Methyl Iodide	4.082	142	118489	45.661	ug/l	97
11) Tert butyl alcohol	4.954	59	100464	175.466	ug/l #	81
12) 1,1-Dichloroethene	3.869	96	106103	46.157	ug/l	90
13) Acrolein	3.729	56	35751	128.586	ug/l	99
14) Allyl chloride	4.472	41	170875	41.865	ug/l	97
15) Acrylonitrile	5.155	53	222821	270.639	ug/l	98
16) Acetone	3.942	43	181844	215.723	ug/l	93
17) Carbon Disulfide	4.186	76	253165	38.468	ug/l	100
18) Methyl Acetate	4.472	43	195731	60.507	ug/l	91
19) Methyl tert-butyl Ether	5.216	73	366227	49.045	ug/l	99
20) Methylene Chloride	4.710	84	193268	72.475	ug/l	91
21) trans-1,2-Dichloroethene	5.216	96	119339	45.746	ug/l	98
22) Diisopropyl ether	6.112	45	371225	44.736	ug/l	91
23) Vinyl Acetate	6.057	43	887299	178.679	ug/l #	92
24) 1,1-Dichloroethane	6.015	63	223202	47.009	ug/l	97
25) 2-Butanone	6.984	43	305497	247.721	ug/l	96
26) 2,2-Dichloropropane	6.978	77	193945	42.859	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	144189	47.485	ug/l	93
28) Bromochloromethane	7.332	49	110246	53.912	ug/l	91
29) Tetrahydrofuran	7.344	42	196758	259.108	ug/l	90
30) Chloroform	7.502	83	238015	48.612	ug/l	94
31) Cyclohexane	7.783	56	175209	39.678	ug/l	92
32) 1,1,1-Trichloroethane	7.697	97	213026	48.341	ug/l	98
36) 1,1-Dichloropropene	7.911	75	167346	44.647	ug/l	99
37) Ethyl Acetate	7.069	43	124297	48.166	ug/l #	96
38) Carbon Tetrachloride	7.899	117	186368	47.037	ug/l	98
39) Methylcyclohexane	9.179	83	201698	41.305	ug/l	95
40) Benzene	8.155	78	487866	45.766	ug/l	100

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41) Methacrylonitrile	7.319	41	72571m	54.673	ug/l	
42) 1,2-Dichloroethane	8.234	62	162395	48.107	ug/l	95
43) Isopropyl Acetate	8.270	43	230705	46.931	ug/l	95
44) Trichloroethene	8.935	130	143976	48.272	ug/l	99
45) 1,2-Dichloropropane	9.209	63	127121	45.668	ug/l	99
46) Dibromomethane	9.301	93	83203	49.272	ug/l	95
47) Bromodichloromethane	9.490	83	185920	46.714	ug/l	99
48) Methyl methacrylate	9.288	41	105644	47.760	ug/l	94
49) 1,4-Dioxane	9.295	88	30742	1116.471	ug/l #	63
51) 4-Methyl-2-Pentanone	10.063	43	658728	255.219	ug/l	93
52) Toluene	10.240	92	308306	45.197	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	191621	44.016	ug/l	97
54) cis-1,3-Dichloropropene	9.923	75	209392	44.229	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	115761	49.213	ug/l	95
56) Ethyl methacrylate	10.508	69	162609	45.276	ug/l	90
57) 1,3-Dichloropropane	10.788	76	194556	47.954	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	420439	251.245	ug/l	93
59) 2-Hexanone	10.825	43	485872	258.137	ug/l	91
60) Dibromochloromethane	10.983	129	139636	48.417	ug/l	99
61) 1,2-Dibromoethane	11.087	107	113846	48.516	ug/l	100
64) Tetrachloroethene	10.715	164	162661	58.542	ug/l	96
65) Chlorobenzene	11.514	112	341037	46.324	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	132607	47.773	ug/l	98
67) Ethyl Benzene	11.587	91	606393	45.621	ug/l	100
68) m/p-Xylenes	11.697	106	461894	91.033	ug/l	96
69) o-Xylene	12.026	106	227250	45.983	ug/l	98
70) Styrene	12.038	104	386324	46.380	ug/l	97
71) Bromoform	12.203	173	92856	49.352	ug/l #	100
73) Isopropylbenzene	12.325	105	611279	46.368	ug/l	100
74) N-amyl acetate	12.142	43	192038	43.494	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	140686	46.797	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	122316m	57.522	ug/l	
77) Bromobenzene	12.605	156	142651	47.404	ug/l	99
78) n-propylbenzene	12.666	91	715522	45.042	ug/l	100
79) 2-Chlorotoluene	12.751	91	405317	44.297	ug/l	100
80) 1,3,5-Trimethylbenzene	12.806	105	500514	45.461	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	46087	41.964	ug/l	96
82) 4-Chlorotoluene	12.849	91	408232	43.321	ug/l	99
83) tert-Butylbenzene	13.068	119	448806	45.954	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	488190	45.182	ug/l	98
85) sec-Butylbenzene	13.251	105	652085	45.515	ug/l	100
86) p-Isopropyltoluene	13.367	119	536636	45.877	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	275233	46.994	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	268901	45.817	ug/l	99
89) n-Butylbenzene	13.690	91	494819	43.480	ug/l	97
90) Hexachloroethane	13.958	117	105798	44.034	ug/l	88
91) 1,2-Dichlorobenzene	13.733	146	252758	47.104	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.349	75	27935	48.588	ug/l	89
93) 1,2,4-Trichlorobenzene	15.001	180	149464	43.879	ug/l	98
94) Hexachlorobutadiene	15.105	225	73556	39.296	ug/l	98
95) Naphthalene	15.233	128	419589	52.873	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	133674	44.156	ug/l	98

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

