

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110223\
 Data File : VY016198.D
 Acq On : 02 Nov 2023 18:17
 Operator : SY/MD
 Sample : 05220-06MSD
 Misc : 3.59g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 Z-7(0-5)MSD

Quant Time: Nov 03 03:19:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 01 03:33:29 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/03/2023
 Supervised By :Semsettin Yesilyurt 11/03/2023

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	143121	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	234728	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	183904	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	67451	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	67728	50.572	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.140%			
35) Dibromofluoromethane	7.734	113	68738	49.120	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.240%			
50) Toluene-d8	10.191	98	278831	50.256	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.520%			
62) 4-Bromofluorobenzene	12.489	95	78518	41.386	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 82.780%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.912	85	48825	53.480	ug/l	98
3) Chloromethane	2.119	50	63648	50.354	ug/l	100
4) Vinyl Chloride	2.259	62	69309	53.126	ug/l	97
5) Bromomethane	2.662	94	44484	50.525	ug/l	100
6) Chloroethane	2.808	64	48265	52.549	ug/l	97
7) Trichlorofluoromethane	3.137	101	107434	54.547	ug/l	98
8) Diethyl Ether	3.540	74	34230	52.437	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.911	101	63690	51.331	ug/l	97
10) Methyl Iodide	4.107	142	68875	49.919	ug/l	97
11) Tert butyl alcohol	4.960	59	22962	229.481	ug/l #	83
12) 1,1-Dichloroethene	3.887	96	56860	50.208	ug/l	90
14) Allyl chloride	4.497	41	82073	50.666	ug/l #	93
15) Acrylonitrile	5.180	53	68311	244.894	ug/l	99
16) Acetone	3.954	43	58042	273.278	ug/l	89
17) Carbon Disulfide	4.210	76	122869	43.457	ug/l	100
18) Methyl Acetate	4.485	43	55195	51.248	ug/l	93
19) Methyl tert-butyl Ether	5.241	73	171716	53.306	ug/l	99
20) Methylene Chloride	4.728	84	77531	57.367	ug/l	90
21) trans-1,2-Dichloroethene	5.241	96	60177	45.618	ug/l	94
22) Diisopropyl ether	6.137	45	224117	57.202	ug/l	87
23) Vinyl Acetate	6.076	43	454830	236.437	ug/l #	93
24) 1,1-Dichloroethane	6.033	63	129089	55.051	ug/l	95
25) 2-Butanone	6.996	43	89644	242.622	ug/l	96
26) 2,2-Dichloropropane	6.996	77	119812	54.051	ug/l	98
27) cis-1,2-Dichloroethene	7.002	96	78596	50.628	ug/l	94
28) Bromochloromethane	7.344	49	1284	1.463	ug/l #	78
29) Tetrahydrofuran	7.362	42	59560	257.155	ug/l	91
30) Chloroform	7.521	83	139543	54.660	ug/l	96
31) Cyclohexane	7.801	56	93346	45.342	ug/l	91
32) 1,1,1-Trichloroethane	7.716	97	127455	54.439	ug/l	98
36) 1,1-Dichloropropene	7.935	75	89948	44.513	ug/l	99
37) Ethyl Acetate	7.088	43	42263	46.958	ug/l #	95
38) Carbon Tetrachloride	7.917	117	107681	53.788	ug/l	98
39) Methylcyclohexane	9.197	83	90451	37.500	ug/l	92
40) Benzene	8.173	78	297800	51.334	ug/l	98
41) Methacrylonitrile	7.325	41	24410	46.725	ug/l #	88

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42) 1,2-Dichloroethane	8.252	62	78709	48.618	ug/l	94
43) Isopropyl Acetate	8.283	43	87409	49.099	ug/l	93
44) Trichloroethene	8.953	130	76415	45.012	ug/l	97
45) 1,2-Dichloropropane	9.228	63	73814	52.893	ug/l	98
46) Dibromomethane	9.319	93	35430	44.754	ug/l	98
47) Bromodichloromethane	9.508	83	103272	51.343	ug/l	98
48) Methyl methacrylate	9.301	41	39155	48.367	ug/l	90
49) 1,4-Dioxane	9.307	88	8459	884.801	ug/l #	57
51) 4-Methyl-2-Pentanone	10.081	43	215504	242.603	ug/l	92
52) Toluene	10.258	92	188305	50.092	ug/l	94
53) t-1,3-Dichloropropene	10.477	75	85257	42.460	ug/l	100
54) cis-1,3-Dichloropropene	9.941	75	107283	45.533	ug/l #	90
55) 1,1,2-Trichloroethane	10.654	97	55168	49.541	ug/l	95
56) Ethyl methacrylate	10.520	69	71006	49.098	ug/l #	86
57) 1,3-Dichloropropane	10.801	76	90028	47.489	ug/l	98
59) 2-Hexanone	10.843	43	145777	239.483	ug/l	91
60) Dibromochloromethane	10.996	129	66575	47.654	ug/l	99
61) 1,2-Dibromoethane	11.099	107	46776	44.161	ug/l	99
64) Tetrachloroethene	10.733	164	77735	47.521	ug/l	98
65) Chlorobenzene	11.526	112	184299	50.441	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	75919	56.099	ug/l	98
67) Ethyl Benzene	11.605	91	336048	51.422	ug/l	99
68) m/p-Xylenes	11.715	106	256795	101.690	ug/l	95
69) o-Xylene	12.038	106	126309	52.386	ug/l	97
70) Styrene	12.056	104	193824	48.356	ug/l	98
71) Bromoform	12.221	173	38938	51.865	ug/l #	98
73) Isopropylbenzene	12.337	105	314354	62.129	ug/l	100
74) N-amyl acetate	12.154	43	72009	65.492	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.593	83	53832	66.862	ug/l	97
76) 1,2,3-Trichloropropane	12.642	75	37895m	59.659	ug/l	
77) Bromobenzene	12.617	156	67308	58.750	ug/l	96
78) n-propylbenzene	12.678	91	338436	56.577	ug/l	99
79) 2-Chlorotoluene	12.764	91	198847	59.600	ug/l	99
80) 1,3,5-Trimethylbenzene	12.825	105	238748	58.243	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	16828	57.442	ug/l	93
82) 4-Chlorotoluene	12.861	91	188542	55.033	ug/l	98
83) tert-Butylbenzene	13.081	119	209690	57.171	ug/l	97
84) 1,2,4-Trimethylbenzene	13.129	105	235006	57.938	ug/l	98
85) sec-Butylbenzene	13.263	105	264904	49.209	ug/l	100
86) p-Isopropyltoluene	13.379	119	219182	49.126	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	114367	50.475	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	529549	236.462	ug/l	100
89) n-Butylbenzene	13.702	91	166339	40.575	ug/l	98
90) Hexachloroethane	13.971	117	39553	51.443	ug/l	93
91) 1,2-Dichlorobenzene	13.745	146	107281	54.799	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	8169	56.694	ug/l	92
93) 1,2,4-Trichlorobenzene	15.013	180	37997	31.446	ug/l	98
94) Hexachlorobutadiene	15.117	225	13925	21.089	ug/l	97
95) Naphthalene	15.245	128	124312	52.957	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	32805	31.782	ug/l	98

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