

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020323\
 Data File : VY012488.D
 Acq On : 03 Feb 2023 19:30
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 04 00:16:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	150377	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	229495	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	219321	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	115668	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	62472	50.130	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.260%	
35) Dibromofluoromethane	7.722	113	59095	48.631	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.260%	
50) Toluene-d8	10.179	98	200486	47.391	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 94.780%	
62) 4-Bromofluorobenzene	12.483	95	83236	48.590	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.180%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	49108	37.369	ug/l	100
3) Chloromethane	2.113	50	50534	41.655	ug/l	99
4) Vinyl Chloride	2.253	62	63059	44.532	ug/l	98
5) Bromomethane	2.650	94	52436	47.896	ug/l	100
6) Chloroethane	2.796	64	46477	50.327	ug/l	95
7) Trichlorofluoromethane	3.125	101	135875	49.165	ug/l	98
8) Diethyl Ether	3.534	74	43285	52.635	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.899	101	70168	52.167	ug/l	94
10) Methyl Iodide	4.094	142	95304	46.624	ug/l	96
11) Tert butyl alcohol	4.954	59	43714	297.888	ug/l	99
12) 1,1-Dichloroethene	3.875	96	69179	50.089	ug/l	94
13) Acrolein	3.729	56	12595	224.549	ug/l	100
14) Allyl chloride	4.485	41	87679	51.343	ug/l #	86
15) Acrylonitrile	5.167	53	108695	302.597	ug/l	99
16) Acetone	3.948	43	96533	230.536	ug/l	98
17) Carbon Disulfide	4.198	76	180629	42.282	ug/l	99
18) Methyl Acetate	4.479	43	55040	58.742	ug/l	90
19) Methyl tert-butyl Ether	5.222	73	216164	56.146	ug/l	94
20) Methylene Chloride	4.722	84	88882	50.818	ug/l	88
21) trans-1,2-Dichloroethene	5.222	96	79206	51.392	ug/l	92
22) Diisopropyl ether	6.119	45	195575	57.445	ug/l #	89
23) Vinyl Acetate	6.058	43	607532	286.371	ug/l #	93
24) 1,1-Dichloroethane	6.021	63	130651	55.327	ug/l	96
25) 2-Butanone	6.984	43	127159	275.072	ug/l	91
26) 2,2-Dichloropropane	6.984	77	132787	51.799	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	93484	55.221	ug/l	93
28) Bromochloromethane	7.338	49	25161	48.787	ug/l #	73
29) Tetrahydrofuran	7.344	42	77992	307.148	ug/l #	84
30) Chloroform	7.509	83	157991	56.677	ug/l	100
31) Cyclohexane	7.789	56	104195	47.523	ug/l	89
32) 1,1,1-Trichloroethane	7.704	97	148392	53.771	ug/l	98
36) 1,1-Dichloropropene	7.917	75	106047	51.349	ug/l	97
37) Ethyl Acetate	7.076	43	52403	57.558	ug/l #	95
38) Carbon Tetrachloride	7.899	117	139313	52.231	ug/l	98
39) Methylcyclohexane	9.185	83	130057	51.532	ug/l	93
40) Benzene	8.161	78	319257	53.560	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	26797m	50.074	ug/l	
42) 1,2-Dichloroethane	8.240	62	106115	55.919	ug/l	99
43) Isopropyl Acetate	8.271	43	100059	59.072	ug/l #	95
44) Trichloroethene	8.941	130	96336	54.072	ug/l	96
45) 1,2-Dichloropropane	9.216	63	70975	57.064	ug/l	98
46) Dibromomethane	9.307	93	48137	57.812	ug/l	96
47) Bromodichloromethane	9.496	83	120661	57.568	ug/l	100
48) Methyl methacrylate	9.289	41	45367	58.129	ug/l	88
49) 1,4-Dioxane	9.295	88	13527	1192.235	ug/l	88
51) 4-Methyl-2-Pentanone	10.069	43	280077	310.092	ug/l	96
52) Toluene	10.246	92	218665	55.096	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	122921	56.067	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	133093	56.369	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	71846	60.731	ug/l	96
56) Ethyl methacrylate	10.508	69	93189	60.044	ug/l	94
57) 1,3-Dichloropropane	10.788	76	115023	59.535	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	133605	260.163	ug/l	90
59) 2-Hexanone	10.831	43	201630	293.213	ug/l	94
60) Dibromochloromethane	10.983	129	94472	60.209	ug/l	99
61) 1,2-Dibromoethane	11.087	107	67830	59.420	ug/l	99
64) Tetrachloroethene	10.721	164	112018	55.973	ug/l	97
65) Chlorobenzene	11.520	112	244212	54.421	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	95999	56.677	ug/l	98
67) Ethyl Benzene	11.593	91	432595	53.940	ug/l	100
68) m/p-Xylenes	11.703	106	342819	108.113	ug/l	98
69) o-Xylene	12.032	106	164869	54.435	ug/l	97
70) Styrene	12.044	104	282462	55.817	ug/l	99
71) Bromoform	12.209	173	63596	58.768	ug/l #	99
73) Isopropylbenzene	12.331	105	444318	53.271	ug/l	99
74) N-amyl acetate	12.142	43	86775	53.073	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.581	83	74626	56.804	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	54865m	51.584	ug/l	
77) Bromobenzene	12.611	156	107701	53.662	ug/l	91
78) n-propylbenzene	12.672	91	510893	52.345	ug/l	98
79) 2-Chlorotoluene	12.758	91	290100	52.570	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	385230	53.130	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	28213	54.655	ug/l	96
82) 4-Chlorotoluene	12.855	91	300949	51.918	ug/l	96
83) tert-Butylbenzene	13.075	119	334127	52.873	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	383538	53.638	ug/l	100
85) sec-Butylbenzene	13.251	105	479925	53.340	ug/l	98
86) p-Isopropyltoluene	13.367	119	418309	53.213	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	212030	53.118	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	210264	52.819	ug/l	99
89) n-Butylbenzene	13.696	91	359536	52.776	ug/l	98
90) Hexachloroethane	13.959	117	76324	53.782	ug/l	93
91) 1,2-Dichlorobenzene	13.739	146	194030	54.476	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	15092	55.587	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	121777	53.360	ug/l	99
94) Hexachlorobutadiene	15.111	225	73471	53.470	ug/l	99
95) Naphthalene	15.239	128	255832	56.795	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	108486	55.241	ug/l	99

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

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