

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012225\
 Data File : VY020904.D
 Acq On : 22 Jan 2025 17:14
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jan 23 00:47:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 00:38:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.726	168	197452	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.628	114	296406	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.426	117	253760	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.359	152	127578	50.000	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	90449	53.894	ug/l	-0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.780%	
35) Dibromofluoromethane	7.652	113	100270	53.997	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.000%	
50) Toluene-d8	10.115	98	368978	56.999	ug/l	-0.02
Spiked Amount	50.000	Range	58 - 134	Recovery	= 114.000%	
62) 4-Bromofluorobenzene	12.414	95	129089	54.001	ug/l	-0.01
Spiked Amount	50.000	Range	29 - 146	Recovery	= 108.000%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.873	85	57934	39.980	ug/l	99
3) Chloromethane	2.074	50	41531	54.432	ug/l	95
4) Vinyl Chloride	2.214	62	49902	58.834	ug/l	97
5) Bromomethane	2.611	94	31562	52.244	ug/l	99
6) Chloroethane	2.751	64	32890	62.875	ug/l	98
7) Trichlorofluoromethane	3.074	101	124962	48.003	ug/l	96
8) Diethyl Ether	3.470	74	42251	51.900	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.836	101	88839	50.535	ug/l	98
10) Methyl Iodide	4.025	142	103391	54.880	ug/l	95
11) Tert butyl alcohol	4.909	59	28144	221.930	ug/l	99
12) 1,1-Dichloroethene	3.812	96	77399	50.266	ug/l	98
13) Acrolein	3.677	56	8896	249.793	ug/l	96
14) Allyl chloride	4.403	41	121550	54.716	ug/l	95
15) Acrylonitrile	5.086	53	93053	268.952	ug/l	99
16) Acetone	3.891	43	60657	254.162	ug/l	99
17) Carbon Disulfide	4.129	76	160019	47.905	ug/l	99
18) Methyl Acetate	4.403	43	47530	58.984	ug/l	95
19) Methyl tert-butyl Ether	5.141	73	224561	51.676	ug/l	99
20) Methylene Chloride	4.641	84	87551	53.120	ug/l	97
21) trans-1,2-Dichloroethene	5.135	96	86453	50.985	ug/l	97
22) Diisopropyl ether	6.043	45	285877	60.411	ug/l	97
23) Vinyl Acetate	5.982	43	741667	284.251	ug/l	98
24) 1,1-Dichloroethane	5.933	63	171622	54.969	ug/l	97
25) 2-Butanone	6.915	43	106474	271.596	ug/l	99
26) 2,2-Dichloropropane	6.909	77	157089	48.460	ug/l	98
27) cis-1,2-Dichloroethene	6.909	96	114559	53.547	ug/l	99
28) Bromochloromethane	7.262	49	54898	65.164	ug/l	92
29) Tetrahydrofuran	7.281	42	70069	279.796	ug/l	94
30) Chloroform	7.439	83	187949	52.788	ug/l	100
31) Cyclohexane	7.719	56	118846	48.666	ug/l	99
32) 1,1,1-Trichloroethane	7.634	97	170948	49.223	ug/l	98
36) 1,1-Dichloropropene	7.854	75	119993	50.661	ug/l	100
37) Ethyl Acetate	7.006	43	51950	55.116	ug/l	97
38) Carbon Tetrachloride	7.835	117	154082	46.734	ug/l	98
39) Methylcyclohexane	9.122	83	143743	49.456	ug/l	98
40) Benzene	8.091	78	385890	53.084	ug/l	98

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41) Methacrylonitrile	7.232	41	31312	58.007	ug/l	95
42) 1,2-Dichloroethane	8.171	62	101360	51.058	ug/l	98
43) Isopropyl Acetate	8.213	43	105583	55.073	ug/l	98
44) Trichloroethene	8.878	130	104810	51.721	ug/l	95
45) 1,2-Dichloropropane	9.152	63	94093	57.096	ug/l	98
46) Dibromomethane	9.244	93	51218	54.123	ug/l	96
47) Bromodichloromethane	9.433	83	144590	53.350	ug/l	96
48) Methyl methacrylate	9.231	41	47406	55.157	ug/l	99
49) 1,4-Dioxane	9.250	88	10549	1049.908	ug/l	96
51) 4-Methyl-2-Pentanone	10.006	43	270561	282.489	ug/l	98
52) Toluene	10.182	92	254487	52.867	ug/l	100
53) t-1,3-Dichloropropene	10.402	75	126708	52.565	ug/l	99
54) cis-1,3-Dichloropropene	9.865	75	150193	53.650	ug/l	98
55) 1,1,2-Trichloroethane	10.585	97	73526	54.385	ug/l	96
56) Ethyl methacrylate	10.451	69	93491	54.756	ug/l	98
57) 1,3-Dichloropropane	10.725	76	121068	54.937	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	179310	264.725	ug/l	96
59) 2-Hexanone	10.768	43	174477	283.953	ug/l	97
60) Dibromochloromethane	10.920	129	103018	52.539	ug/l	100
61) 1,2-Dibromoethane	11.024	107	66453	54.750	ug/l	99
64) Tetrachloroethene	10.658	164	90538	48.528	ug/l	98
65) Chlorobenzene	11.450	112	289323	51.567	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.524	131	109053	51.057	ug/l	98
67) Ethyl Benzene	11.530	91	497704	51.237	ug/l	100
68) m/p-Xylenes	11.639	106	380163	101.649	ug/l	98
69) o-Xylene	11.963	106	180972	51.035	ug/l	98
70) Styrene	11.981	104	305348	51.154	ug/l	99
71) Bromoform	12.145	173	61810	50.906	ug/l #	100
73) Isopropylbenzene	12.267	105	493732	48.783	ug/l	100
74) N-amyl acetate	12.078	43	89293	53.936	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.517	83	79681	51.944	ug/l	100
76) 1,2,3-Trichloropropane	12.566	75	61871m	55.426	ug/l	
77) Bromobenzene	12.542	156	114839	49.214	ug/l	97
78) n-propylbenzene	12.603	91	569754	49.596	ug/l	99
79) 2-Chlorotoluene	12.688	91	328346	49.633	ug/l	100
80) 1,3,5-Trimethylbenzene	12.749	105	400402	48.816	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.316	75	27048	51.091	ug/l	96
82) 4-Chlorotoluene	12.786	91	334842	49.046	ug/l	100
83) tert-Butylbenzene	13.005	119	366922	47.829	ug/l	99
84) 1,2,4-Trimethylbenzene	13.054	105	392060	48.948	ug/l	99
85) sec-Butylbenzene	13.188	105	524662	48.963	ug/l	100
86) p-Isopropyltoluene	13.304	119	438644	47.986	ug/l	99
87) 1,3-Dichlorobenzene	13.298	146	221513	48.856	ug/l	99
88) 1,4-Dichlorobenzene	13.377	146	216302	48.465	ug/l	99
89) n-Butylbenzene	13.627	91	385382	48.596	ug/l	99
90) Hexachloroethane	13.889	117	88956	48.464	ug/l	100
91) 1,2-Dichlorobenzene	13.670	146	191010	48.182	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	11478	46.276	ug/l	99
93) 1,2,4-Trichlorobenzene	14.932	180	110115	48.265	ug/l	99
94) Hexachlorobutadiene	15.035	225	73108	45.455	ug/l	99
95) Naphthalene	15.157	128	178946	47.656	ug/l	100
96) 1,2,3-Trichlorobenzene	15.340	180	91532	47.887	ug/l	99

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

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