

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012025\
 Data File : VY020869.D
 Acq On : 20 Jan 2025 09:30
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 21 00:36:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 01:31:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.726	168	206448	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.628	114	293824	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.432	117	247031	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.359	152	120807	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.079	65	81588	46.496	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.000%
35) Dibromofluoromethane	7.652	113	90141	48.969	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.940%
50) Toluene-d8	10.121	98	341620	53.237	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	106.480%
62) 4-Bromofluorobenzene	12.420	95	113410	47.859	ug/l	0.01
Spiked Amount	50.000	Range	29 - 146	Recovery	=	95.720%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.873	85	64199	42.373	ug/l	98
3) Chloromethane	2.080	50	43423	54.432	ug/l	98
4) Vinyl Chloride	2.220	62	49946	56.320	ug/l	96
5) Bromomethane	2.617	94	30984	49.053	ug/l	96
6) Chloroethane	2.757	64	32067	58.631	ug/l	98
7) Trichlorofluoromethane	3.080	101	135330	49.720	ug/l	94
8) Diethyl Ether	3.476	74	39586	46.508	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.836	101	91945	50.023	ug/l	99
10) Methyl Iodide	4.031	142	94427	47.938	ug/l	96
11) Tert butyl alcohol	4.903	59	24195	182.476	ug/l #	90
12) 1,1-Dichloroethene	3.812	96	79215	49.204	ug/l	97
13) Acrolein	3.677	56	4828	129.659	ug/l	94
14) Allyl chloride	4.409	41	114101	49.125	ug/l	95
15) Acrylonitrile	5.080	53	81340	224.853	ug/l	99
16) Acetone	3.891	43	53964	216.265	ug/l	95
17) Carbon Disulfide	4.129	76	174177	49.871	ug/l	99
18) Methyl Acetate	4.409	43	41872	49.698	ug/l	96
19) Methyl tert-butyl Ether	5.141	73	203988	44.897	ug/l	98
20) Methylene Chloride	4.641	84	81676	47.396	ug/l	98
21) trans-1,2-Dichloroethene	5.141	96	85519	48.236	ug/l	96
22) Diisopropyl ether	6.043	45	258452	52.236	ug/l	99
23) Vinyl Acetate	5.982	43	659567	241.770	ug/l	98
24) 1,1-Dichloroethane	5.939	63	159039	48.720	ug/l	99
25) 2-Butanone	6.915	43	92267	225.101	ug/l	99
26) 2,2-Dichloropropane	6.909	77	156952	46.308	ug/l	98
27) cis-1,2-Dichloroethene	6.915	96	106886	47.783	ug/l	99
28) Bromochloromethane	7.268	49	49825	56.565	ug/l	94
29) Tetrahydrofuran	7.280	42	62122	237.253	ug/l	94
30) Chloroform	7.439	83	174261	46.811	ug/l	97
31) Cyclohexane	7.719	56	122231	47.871	ug/l	98
32) 1,1,1-Trichloroethane	7.634	97	165154	45.482	ug/l	99
36) 1,1-Dichloropropene	7.854	75	118097	50.299	ug/l	100
37) Ethyl Acetate	7.006	43	45384	48.573	ug/l	100
38) Carbon Tetrachloride	7.835	117	157215	48.103	ug/l	97
39) Methylcyclohexane	9.122	83	144962	50.314	ug/l	99
40) Benzene	8.097	78	364134	50.532	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	26226	49.012	ug/l	98
42) 1,2-Dichloroethane	8.171	62	92382	46.944	ug/l	100
43) Isopropyl Acetate	8.213	43	89624	47.160	ug/l	99
44) Trichloroethene	8.878	130	99308	49.436	ug/l	95
45) 1,2-Dichloropropane	9.158	63	84786	51.901	ug/l	98
46) Dibromomethane	9.244	93	45943	48.975	ug/l	97
47) Bromodichloromethane	9.439	83	130800	48.686	ug/l	97
48) Methyl methacrylate	9.231	41	40772	47.855	ug/l	98
49) 1,4-Dioxane	9.250	88	8972	900.801	ug/l	94
51) 4-Methyl-2-Pentanone	10.012	43	227401	239.513	ug/l	99
52) Toluene	10.182	92	236443	49.550	ug/l	99
53) t-1,3-Dichloropropene	10.408	75	113491	47.496	ug/l	99
54) cis-1,3-Dichloropropene	9.871	75	135248	48.736	ug/l	97
55) 1,1,2-Trichloroethane	10.585	97	64597	48.200	ug/l	96
56) Ethyl methacrylate	10.451	69	81527	48.169	ug/l	97
57) 1,3-Dichloropropane	10.731	76	106738	48.861	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.725	63	170067	253.285	ug/l	97
59) 2-Hexanone	10.774	43	146204	240.031	ug/l	98
60) Dibromochloromethane	10.926	129	92619	47.651	ug/l	99
61) 1,2-Dibromoethane	11.030	107	58182	48.357	ug/l	100
64) Tetrachloroethene	10.658	164	88168	48.545	ug/l	97
65) Chlorobenzene	11.457	112	262902	48.135	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.530	131	98827	47.530	ug/l	98
67) Ethyl Benzene	11.530	91	464695	49.142	ug/l	98
68) m/p-Xylenes	11.639	106	352993	96.955	ug/l	100
69) o-Xylene	11.969	106	165973	48.080	ug/l	98
70) Styrene	11.981	104	283712	48.824	ug/l	99
71) Bromoform	12.145	173	55652	47.082	ug/l #	98
73) Isopropylbenzene	12.267	105	460658	48.066	ug/l	99
74) N-amyl acetate	12.085	43	76654	48.897	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.517	83	69906	48.126	ug/l	99
76) 1,2,3-Trichloropropane	12.566	75	50336m	47.620	ug/l	
77) Bromobenzene	12.542	156	107400	48.606	ug/l	99
78) n-propylbenzene	12.609	91	539056	49.554	ug/l	99
79) 2-Chlorotoluene	12.694	91	304145	48.552	ug/l	100
80) 1,3,5-Trimethylbenzene	12.749	105	376322	48.452	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.316	75	23378	46.634	ug/l	97
82) 4-Chlorotoluene	12.792	91	315747	48.841	ug/l	100
83) tert-Butylbenzene	13.011	119	350843	48.297	ug/l	97
84) 1,2,4-Trimethylbenzene	13.054	105	365070	48.133	ug/l	99
85) sec-Butylbenzene	13.188	105	494544	48.739	ug/l	100
86) p-Isopropyltoluene	13.304	119	419082	48.416	ug/l	99
87) 1,3-Dichlorobenzene	13.298	146	206950	48.202	ug/l	100
88) 1,4-Dichlorobenzene	13.377	146	200408	47.420	ug/l	99
89) n-Butylbenzene	13.627	91	369052	49.145	ug/l	99
90) Hexachloroethane	13.895	117	82678	47.569	ug/l	99
91) 1,2-Dichlorobenzene	13.670	146	178012	47.420	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.285	75	9838	41.887	ug/l	97
93) 1,2,4-Trichlorobenzene	14.932	180	103327	47.828	ug/l	100
94) Hexachlorobutadiene	15.035	225	71558	46.985	ug/l	99
95) Naphthalene	15.157	128	159106	44.748	ug/l	100
96) 1,2,3-Trichlorobenzene	15.340	180	84421	46.643	ug/l	99

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

