

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031425\
 Data File : VY021530.D
 Acq On : 14 Mar 2025 10:38
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/17/2025
 Supervised By :Semsettin Yesilyurt 03/17/2025

Quant Time: Mar 15 01:58:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	208592	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	323692	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.414	117	293316	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	152920	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	103101	46.764	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.520%		
35) Dibromofluoromethane	7.628	113	98499	46.294	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.580%		
50) Toluene-d8	10.103	98	359767	44.658	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	89.320%		
62) 4-Bromofluorobenzene	12.408	95	126097	46.015	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	92.040%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	85325	44.575	ug/l	98
3) Chloromethane	2.068	50	132988	49.278	ug/l	98
4) Vinyl Chloride	2.202	62	155040	52.571	ug/l	99
5) Bromomethane	2.586	94	104772	49.154	ug/l	97
6) Chloroethane	2.726	64	108868	55.860	ug/l	98
7) Trichlorofluoromethane	3.050	101	216835	52.676	ug/l	98
8) Diethyl Ether	3.452	74	59099	51.806	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	114962	48.916	ug/l	98
10) Methyl Iodide	4.001	142	125889	52.695	ug/l	99
11) Tert butyl alcohol	4.854	59	44382	315.525	ug/l	100
12) 1,1-Dichloroethene	3.787	96	103090	48.112	ug/l	97
13) Acrolein	3.647	56	7934	70.752	ug/l	93
14) Allyl chloride	4.379	41	170662	49.286	ug/l	99
15) Acrylonitrile	5.055	53	139266	286.784	ug/l	99
16) Acetone	3.867	43	134826	280.383	ug/l	96
17) Carbon Disulfide	4.098	76	309936	46.155	ug/l	100
18) Methyl Acetate	4.379	43	72968	68.389	ug/l	100
19) Methyl tert-butyl Ether	5.110	73	292115	53.788	ug/l	97
20) Methylene Chloride	4.610	84	117293	46.468	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	116792	48.671	ug/l	97
22) Diisopropyl ether	6.012	45	391329	52.440	ug/l	99
23) Vinyl Acetate	5.958	43	1152193	270.541	ug/l	100
24) 1,1-Dichloroethane	5.909	63	219026	49.730	ug/l	99
25) 2-Butanone	6.890	43	191813	288.363	ug/l	100
26) 2,2-Dichloropropane	6.878	77	192050	47.391	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	134592	49.372	ug/l	99
28) Bromochloromethane	7.238	49	99745	54.020	ug/l	98
29) Tetrahydrofuran	7.256	42	122641	298.652	ug/l	100
30) Chloroform	7.415	83	230932	50.494	ug/l	98
31) Cyclohexane	7.695	56	184801	44.756	ug/l	97
32) 1,1,1-Trichloroethane	7.610	97	203959	48.706	ug/l	100
36) 1,1-Dichloropropene	7.829	75	157397	47.260	ug/l	99
37) Ethyl Acetate	6.976	43	83213	56.529	ug/l	98
38) Carbon Tetrachloride	7.817	117	186786	48.765	ug/l	99
39) Methylcyclohexane	9.109	83	196037	47.987	ug/l	98
40) Benzene	8.079	78	485824	49.519	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	47881	59.738	ug/l	95
42) 1,2-Dichloroethane	8.152	62	141706	51.630	ug/l	99
43) Isopropyl Acetate	8.195	43	160909	56.310	ug/l #	89
44) Trichloroethene	8.860	130	122676	49.482	ug/l	96
45) 1,2-Dichloropropane	9.140	63	118900	50.921	ug/l	95
46) Dibromomethane	9.231	93	70690	54.410	ug/l	99
47) Bromodichloromethane	9.420	83	179964	52.159	ug/l	100
48) Methyl methacrylate	9.219	41	74054	56.436	ug/l	96
49) 1,4-Dioxane	9.225	88	17032	1335.615	ug/l	92
51) 4-Methyl-2-Pentanone	10.000	43	450790	305.741	ug/l	99
52) Toluene	10.170	92	311576	50.373	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	164871	54.238	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	188629	52.266	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	91572	53.882	ug/l	96
56) Ethyl methacrylate	10.439	69	127494	58.822	ug/l	99
57) 1,3-Dichloropropane	10.713	76	158743	53.893	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	276308	276.155	ug/l	100
59) 2-Hexanone	10.762	43	307963	315.885	ug/l	98
60) Dibromochloromethane	10.908	129	125128	53.705	ug/l	100
61) 1,2-Dibromoethane	11.012	107	87878	54.788	ug/l	99
64) Tetrachloroethene	10.646	164	125932	52.799	ug/l	97
65) Chlorobenzene	11.438	112	337893	48.782	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	122210	49.905	ug/l	99
67) Ethyl Benzene	11.518	91	601412	49.469	ug/l	100
68) m/p-Xylenes	11.627	106	459491	99.552	ug/l	99
69) o-Xylene	11.957	106	213955	50.296	ug/l	99
70) Styrene	11.969	104	366389	51.919	ug/l	100
71) Bromoform	12.133	173	73869	53.961	ug/l #	99
73) Isopropylbenzene	12.255	105	575590	47.783	ug/l	100
74) N-amyl acetate	12.072	43	143081	54.693	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	107177	50.420	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	83684m	54.307	ug/l	
77) Bromobenzene	12.530	156	135616	48.123	ug/l	100
78) n-propylbenzene	12.597	91	698739	47.763	ug/l	100
79) 2-Chlorotoluene	12.676	91	396384	47.386	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	475149	48.538	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	34383	50.724	ug/l	99
82) 4-Chlorotoluene	12.780	91	418247	48.284	ug/l	100
83) tert-Butylbenzene	12.999	119	424795	48.643	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	474622	48.832	ug/l	98
85) sec-Butylbenzene	13.176	105	625404	48.133	ug/l	99
86) p-Isopropyltoluene	13.292	119	524498	48.998	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	270352	48.194	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	264883	48.282	ug/l	99
89) n-Butylbenzene	13.615	91	490768	49.650	ug/l	99
90) Hexachloroethane	13.877	117	107669	47.148	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	236227	49.133	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	17208	54.042	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	136709	52.058	ug/l	98
94) Hexachlorobutadiene	15.023	225	82549	50.146	ug/l	100
95) Naphthalene	15.145	128	243649	54.307	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	117896	53.378	ug/l	100

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

