

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041425\
 Data File : VY021865.D
 Acq On : 14 Apr 2025 09:49
 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 04/15/2025
 Supervised By :Semsettin Yesilyurt 04/15/2025

Quant Time: Apr 15 02:39:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	227119	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	345464	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	312844	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	159425	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	115687	47.013	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.020%		
35) Dibromofluoromethane	7.634	113	115837	51.691	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.380%		
50) Toluene-d8	10.109	98	441726	51.813	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	103.620%		
62) 4-Bromofluorobenzene	12.408	95	150075	52.043	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	104.080%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	102341	43.475	ug/l	100
3) Chloromethane	2.068	50	146588	44.285	ug/l	99
4) Vinyl Chloride	2.208	62	162515	43.413	ug/l	99
5) Bromomethane	2.598	94	109404	42.850	ug/l	95
6) Chloroethane	2.739	64	109580	44.735	ug/l	100
7) Trichlorofluoromethane	3.062	101	219472	45.768	ug/l	100
8) Diethyl Ether	3.458	74	61352	47.046	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	119238	47.145	ug/l	98
10) Methyl Iodide	4.007	142	147424	53.132	ug/l	98
11) Tert butyl alcohol	4.872	59	32747	204.882	ug/l	98
12) 1,1-Dichloroethene	3.793	96	112278	47.131	ug/l	99
13) Acrolein	3.653	56	15783	54.080	ug/l	98
14) Allyl chloride	4.385	41	178258	46.931	ug/l	98
15) Acrylonitrile	5.061	53	125717	230.885	ug/l	99
16) Acetone	3.872	43	120567	239.400	ug/l	96
17) Carbon Disulfide	4.110	76	345924	44.087	ug/l	99
18) Methyl Acetate	4.385	43	69637	55.791	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	290336	48.952	ug/l	97
20) Methylene Chloride	4.616	84	126601	51.488	ug/l	94
21) trans-1,2-Dichloroethene	5.116	96	126292	48.149	ug/l	99
22) Diisopropyl ether	6.025	45	391830	49.176	ug/l	97
23) Vinyl Acetate	5.964	43	1071729	229.924	ug/l	98
24) 1,1-Dichloroethane	5.921	63	229324	48.133	ug/l	100
25) 2-Butanone	6.896	43	166038	230.823	ug/l	97
26) 2,2-Dichloropropane	6.890	77	208331	49.157	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	146789	49.764	ug/l	99
28) Bromochloromethane	7.250	49	97038	48.294	ug/l	95
29) Tetrahydrofuran	7.268	42	104240	225.163	ug/l	97
30) Chloroform	7.421	83	244481	49.336	ug/l	99
31) Cyclohexane	7.701	56	187535	43.180	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	217748	48.617	ug/l	99
36) 1,1-Dichloropropene	7.835	75	168755	49.440	ug/l	99
37) Ethyl Acetate	6.988	43	71031	44.094	ug/l	99
38) Carbon Tetrachloride	7.823	117	199343	50.990	ug/l	98
39) Methylcyclohexane	9.115	83	201616	49.445	ug/l	98
40) Benzene	8.085	78	519123	50.784	ug/l	98

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	41257	48.225	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	142953	49.606	ug/l	99
43) Isopropyl Acetate	8.201	43	142195	46.579	ug/l	99
44) Trichloroethene	8.865	130	135468	52.013	ug/l	99
45) 1,2-Dichloropropane	9.146	63	123348	50.978	ug/l	99
46) Dibromomethane	9.231	93	70737	50.726	ug/l	99
47) Bromodichloromethane	9.426	83	185157	51.242	ug/l	98
48) Methyl methacrylate	9.225	41	69769	49.796	ug/l	99
49) 1,4-Dioxane	9.231	88	13787	922.911	ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	388946	244.827	ug/l	100
52) Toluene	10.176	92	336388	52.745	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	163891	51.064	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	191100	50.471	ug/l	98
55) 1,1,2-Trichloroethane	10.579	97	91440	50.954	ug/l	98
56) Ethyl methacrylate	10.438	69	121285	52.930	ug/l	97
57) 1,3-Dichloropropane	10.719	76	158920	51.276	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	307637	275.207	ug/l	99
59) 2-Hexanone	10.761	43	264879	250.353	ug/l	99
60) Dibromochloromethane	10.914	129	129283	52.765	ug/l	100
61) 1,2-Dibromoethane	11.018	107	88032	52.293	ug/l	100
64) Tetrachloroethene	10.652	164	153104	53.734	ug/l	95
65) Chlorobenzene	11.444	112	367499	51.245	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	132378	52.027	ug/l	100
67) Ethyl Benzene	11.524	91	640735	52.103	ug/l	100
68) m/p-Xylenes	11.633	106	495694	105.265	ug/l	99
69) o-Xylene	11.956	106	229716	52.847	ug/l	99
70) Styrene	11.975	104	393525	54.298	ug/l	98
71) Bromoform	12.133	173	75083	51.732	ug/l #	100
73) Isopropylbenzene	12.255	105	615291	51.962	ug/l	100
74) N-amyl acetate	12.072	43	127282	45.802	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.511	83	98873	46.443	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	82279m	52.065	ug/l	
77) Bromobenzene	12.536	156	147195	51.774	ug/l	96
78) n-propylbenzene	12.597	91	733693	51.539	ug/l	99
79) 2-Chlorotoluene	12.682	91	425523	51.464	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	502060	51.878	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	31758	46.305	ug/l	98
82) 4-Chlorotoluene	12.779	91	436702	50.660	ug/l	99
83) tert-Butylbenzene	12.999	119	451961	52.433	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	503039	52.592	ug/l	100
85) sec-Butylbenzene	13.176	105	651160	51.692	ug/l	100
86) p-Isopropyltoluene	13.291	119	554291	53.238	ug/l	100
87) 1,3-Dichlorobenzene	13.291	146	288993	51.594	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	283291	51.190	ug/l	99
89) n-Butylbenzene	13.621	91	504309	52.376	ug/l	100
90) Hexachloroethane	13.883	117	116086	50.880	ug/l	97
91) 1,2-Dichlorobenzene	13.663	146	251779	51.637	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	15111	45.796	ug/l	95
93) 1,2,4-Trichlorobenzene	14.925	180	144623	54.694	ug/l	100
94) Hexachlorobutadiene	15.029	225	89209	54.020	ug/l	98
95) Naphthalene	15.151	128	237089	54.094	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	122762	54.443	ug/l	99

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

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