

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040925\
 Data File : VY021806.D
 Acq On : 09 Apr 2025 09:18
 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: Apr 10 01:37:49 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

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/10/2025
 Supervised By :Mahesh Dadoda 04/10/2025

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	208996	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	296607	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	275942	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	145705	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	109279	48.259	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.520%		
35) Dibromofluoromethane	7.640	113	105372	54.766	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	109.540%		
50) Toluene-d8	10.115	98	407183	55.629	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	111.260%		
62) 4-Bromofluorobenzene	12.414	95	135105	54.569	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	109.140%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.873	85	96293	44.453	ug/l	98
3) Chloromethane	2.074	50	132051	43.353	ug/l	100
4) Vinyl Chloride	2.214	62	152625	44.307	ug/l	100
5) Bromomethane	2.604	94	98507	41.928	ug/l	95
6) Chloroethane	2.745	64	103875	46.083	ug/l	96
7) Trichlorofluoromethane	3.068	101	206922	46.892	ug/l	97
8) Diethyl Ether	3.464	74	51792	43.159	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.830	101	116698	50.142	ug/l	100
10) Methyl Iodide	4.019	142	142170	55.682	ug/l	98
11) Tert butyl alcohol	4.891	59	25994	176.734	ug/l #	86
12) 1,1-Dichloroethene	3.799	96	102176	46.610	ug/l	96
13) Acrolein	3.665	56	16440	61.216	ug/l	99
14) Allyl chloride	4.397	41	158633	45.386	ug/l	100
15) Acrylonitrile	5.074	53	114150	227.820	ug/l	99
16) Acetone	3.885	43	107240	231.402	ug/l	99
17) Carbon Disulfide	4.116	76	340344	47.137	ug/l	98
18) Methyl Acetate	4.397	43	61239	53.317	ug/l	99
19) Methyl tert-butyl Ether	5.128	73	247835	45.410	ug/l	100
20) Methylene Chloride	4.635	84	117899	52.157	ug/l	94
21) trans-1,2-Dichloroethene	5.128	96	117151	48.537	ug/l	98
22) Diisopropyl ether	6.031	45	363723	49.607	ug/l	98
23) Vinyl Acetate	5.970	43	963994	224.745	ug/l	99
24) 1,1-Dichloroethane	5.927	63	211946	48.343	ug/l	99
25) 2-Butanone	6.902	43	149243	225.466	ug/l	98
26) 2,2-Dichloropropane	6.896	77	190053	48.733	ug/l	100
27) cis-1,2-Dichloroethene	6.902	96	130040	47.909	ug/l	99
28) Bromochloromethane	7.256	49	91483	49.477	ug/l	99
29) Tetrahydrofuran	7.274	42	94369	221.518	ug/l	99
30) Chloroform	7.427	83	226593	49.691	ug/l	98
31) Cyclohexane	7.713	56	183785	45.986	ug/l	97
32) 1,1,1-Trichloroethane	7.628	97	201406	48.868	ug/l	99
36) 1,1-Dichloropropene	7.847	75	162414	55.420	ug/l	100
37) Ethyl Acetate	6.994	43	66149	47.827	ug/l	99
38) Carbon Tetrachloride	7.829	117	184506	54.969	ug/l	98
39) Methylcyclohexane	9.115	83	189067	54.005	ug/l	97
40) Benzene	8.091	78	480828	54.786	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.244	41	40459m	55.083	ug/l	
42) 1,2-Dichloroethane	8.164	62	132510	53.556	ug/l	100
43) Isopropyl Acetate	8.207	43	125737	47.972	ug/l	99
44) Trichloroethene	8.872	130	124009	55.456	ug/l	96
45) 1,2-Dichloropropane	9.146	63	112772	54.284	ug/l	97
46) Dibromomethane	9.237	93	65435	54.653	ug/l	97
47) Bromodichloromethane	9.432	83	171124	55.159	ug/l	99
48) Methyl methacrylate	9.231	41	63067	52.427	ug/l	97
49) 1,4-Dioxane	9.237	88	12830	1000.318	ug/l	98
51) 4-Methyl-2-Pentanone	10.006	43	358480	262.818	ug/l	100
52) Toluene	10.176	92	313015	57.164	ug/l	100
53) t-1,3-Dichloropropene	10.402	75	141355	51.297	ug/l	99
54) cis-1,3-Dichloropropene	9.865	75	170477	52.441	ug/l	98
55) 1,1,2-Trichloroethane	10.579	97	83893	54.449	ug/l	99
56) Ethyl methacrylate	10.445	69	105491	53.620	ug/l	99
57) 1,3-Dichloropropane	10.725	76	143459	53.912	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	271598	282.989	ug/l	100
59) 2-Hexanone	10.768	43	244109	268.727	ug/l	100
60) Dibromochloromethane	10.920	129	117616	55.911	ug/l	99
61) 1,2-Dibromoethane	11.024	107	78035	53.991	ug/l	100
64) Tetrachloroethene	10.658	164	149726	59.576	ug/l	97
65) Chlorobenzene	11.450	112	331646	52.430	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.524	131	119312	53.163	ug/l	99
67) Ethyl Benzene	11.524	91	594083	54.770	ug/l	98
68) m/p-Xylenes	11.633	106	461554	111.123	ug/l	99
69) o-Xylene	11.963	106	211149	55.072	ug/l	99
70) Styrene	11.975	104	358954	56.151	ug/l	99
71) Bromoform	12.139	173	66677	52.084	ug/l #	99
73) Isopropylbenzene	12.261	105	563165	52.039	ug/l	100
74) N-amyl acetate	12.078	43	115974	45.662	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.511	83	90199	46.358	ug/l	99
76) 1,2,3-Trichloropropane	12.566	75	73858m	51.137	ug/l	
77) Bromobenzene	12.542	156	131122	50.463	ug/l	98
78) n-propylbenzene	12.603	91	696894	53.563	ug/l	99
79) 2-Chlorotoluene	12.688	91	393083	52.017	ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	472250	53.393	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	27280	43.521	ug/l	98
82) 4-Chlorotoluene	12.786	91	412362	52.341	ug/l	99
83) tert-Butylbenzene	13.005	119	405750	51.504	ug/l	99
84) 1,2,4-Trimethylbenzene	13.054	105	471787	53.969	ug/l	99
85) sec-Butylbenzene	13.182	105	610883	53.061	ug/l	100
86) p-Isopropyltoluene	13.298	119	519365	54.581	ug/l	99
87) 1,3-Dichlorobenzene	13.298	146	268870	52.521	ug/l	99
88) 1,4-Dichlorobenzene	13.377	146	261396	51.681	ug/l	99
89) n-Butylbenzene	13.627	91	465093	52.851	ug/l	100
90) Hexachloroethane	13.889	117	101723	48.783	ug/l	99
91) 1,2-Dichlorobenzene	13.670	146	234045	52.519	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.285	75	13665	45.314	ug/l	99
93) 1,2,4-Trichlorobenzene	14.932	180	122704	50.774	ug/l	99
94) Hexachlorobutadiene	15.035	225	79468	52.652	ug/l	97
95) Naphthalene	15.151	128	196441	49.040	ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	104196	50.561	ug/l	99

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

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