

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041525\
 Data File : VY021898.D
 Acq On : 15 Apr 2025 15:57
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : Mahesh Dadoda 04/16/2025
 Supervised By : Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:03:17 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	7.707	168	214749	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	331308	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	300820	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	154465	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	118010	50.719	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.440%			
35) Dibromofluoromethane	7.634	113	113923	53.009	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.020%			
50) Toluene-d8	10.109	98	433936	53.075	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.140%			
62) 4-Bromofluorobenzene	12.408	95	150497	54.419	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 108.840%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	96373	43.298	ug/l	98
3) Chloromethane	2.062	50	143776	45.937	ug/l	99
4) Vinyl Chloride	2.202	62	158266	44.714	ug/l	99
5) Bromomethane	2.592	94	118748	49.189	ug/l	100
6) Chloroethane	2.732	64	108884	47.011	ug/l	98
7) Trichlorofluoromethane	3.056	101	213381	47.061	ug/l	98
8) Diethyl Ether	3.458	74	58938	47.798	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	115648	48.359	ug/l	99
10) Methyl Iodide	4.001	142	140457	53.537	ug/l	99
11) Tert butyl alcohol	4.885	59	34841	230.540	ug/l	98
12) 1,1-Dichloroethene	3.787	96	108013	47.952	ug/l	95
13) Acrolein	3.653	56	14364	52.053	ug/l	100
14) Allyl chloride	4.379	41	171305	47.698	ug/l	98
15) Acrylonitrile	5.061	53	128230	249.065	ug/l	98
16) Acetone	3.879	43	97724	205.219	ug/l	99
17) Carbon Disulfide	4.104	76	328177	44.234	ug/l	97
18) Methyl Acetate	4.385	43	76275	64.629	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	291217	51.929	ug/l	100
20) Methylene Chloride	4.616	84	124482	53.709	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	121468	48.977	ug/l	95
22) Diisopropyl ether	6.018	45	386771	51.338	ug/l	97
23) Vinyl Acetate	5.958	43	1073630	243.599	ug/l	99
24) 1,1-Dichloroethane	5.915	63	225638	50.087	ug/l	100
25) 2-Butanone	6.896	43	161074	236.821	ug/l	100
26) 2,2-Dichloropropane	6.884	77	193239	48.223	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	142648	51.146	ug/l	97
28) Bromochloromethane	7.244	49	93303	49.110	ug/l	95
29) Tetrahydrofuran	7.262	42	109635	250.458	ug/l	99
30) Chloroform	7.421	83	238063	50.808	ug/l	97
31) Cyclohexane	7.701	56	186620	45.444	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	210255	49.648	ug/l	100
36) 1,1-Dichloropropene	7.835	75	162432	49.621	ug/l	98
37) Ethyl Acetate	6.988	43	77789	50.352	ug/l	99
38) Carbon Tetrachloride	7.817	117	189832	50.632	ug/l	99
39) Methylcyclohexane	9.109	83	197476	50.499	ug/l	99
40) Benzene	8.079	78	500570	51.062	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	43925	53.538	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	139597	50.511	ug/l	100
43) Isopropyl Acetate	8.195	43	149739	51.146	ug/l	99
44) Trichloroethene	8.866	130	130863	52.392	ug/l	97
45) 1,2-Dichloropropane	9.140	63	121424	52.327	ug/l	98
46) Dibromomethane	9.231	93	70780	52.926	ug/l	98
47) Bromodichloromethane	9.420	83	182503	52.666	ug/l	100
48) Methyl methacrylate	9.219	41	73779	54.908	ug/l	98
49) 1,4-Dioxane	9.231	88	15367	1072.630	ug/l	92
51) 4-Methyl-2-Pentanone	9.999	43	409099	268.515	ug/l	99
52) Toluene	10.170	92	323711	52.926	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	161983	52.626	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	188131	51.810	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	93450	54.299	ug/l	98
56) Ethyl methacrylate	10.438	69	125409	57.068	ug/l	97
57) 1,3-Dichloropropane	10.719	76	158998	53.494	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	307805	287.123	ug/l	99
59) 2-Hexanone	10.762	43	272238	268.303	ug/l	98
60) Dibromochloromethane	10.908	129	127313	54.182	ug/l	99
61) 1,2-Dibromoethane	11.012	107	87608	54.265	ug/l	100
64) Tetrachloroethene	10.646	164	149358	54.514	ug/l	97
65) Chlorobenzene	11.444	112	353569	51.273	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	127802	52.236	ug/l	100
67) Ethyl Benzene	11.518	91	613402	51.874	ug/l	98
68) m/p-Xylenes	11.627	106	474673	104.830	ug/l	99
69) o-Xylene	11.956	106	224726	53.766	ug/l	99
70) Styrene	11.969	104	379162	54.407	ug/l	98
71) Bromoform	12.133	173	75036	53.766	ug/l #	99
73) Isopropylbenzene	12.255	105	587769	51.232	ug/l	100
74) N-amyl acetate	12.072	43	133281	49.500	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	101757	49.333	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	76559m	50.001	ug/l	
77) Bromobenzene	12.530	156	141788	51.473	ug/l	98
78) n-propylbenzene	12.597	91	709911	51.469	ug/l	100
79) 2-Chlorotoluene	12.682	91	408491	50.990	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	480326	51.226	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	32318	48.634	ug/l	99
82) 4-Chlorotoluene	12.779	91	423992	50.765	ug/l	100
83) tert-Butylbenzene	12.999	119	430650	51.565	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	478331	51.614	ug/l	99
85) sec-Butylbenzene	13.176	105	629538	51.580	ug/l	100
86) p-Isopropyltoluene	13.292	119	525158	52.060	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	277034	51.047	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	271010	50.543	ug/l	99
89) n-Butylbenzene	13.621	91	483369	51.813	ug/l	100
90) Hexachloroethane	13.877	117	109093	49.351	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	241907	51.205	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	15668	49.009	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	135163	52.758	ug/l	99
94) Hexachlorobutadiene	15.023	225	81141	50.712	ug/l	99
95) Naphthalene	15.145	128	233990	55.101	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	116480	53.316	ug/l	100

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

