

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032525\
 Data File : VY021641.D
 Acq On : 25 Mar 2025 17:19
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/26/2025
 Supervised By :Semsettin Yesilyurt 03/26/2025

Quant Time: Mar 26 01:38:18 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	7.713	168	149934	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	248353	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	228909	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	123003	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	106652	67.301	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 134.600%			
35) Dibromofluoromethane	7.634	113	103854	63.618	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 127.240%			
50) Toluene-d8	10.109	98	371459	60.097	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 120.200%			
62) 4-Bromofluorobenzene	12.407	95	133273	63.387	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 126.780%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	50367	36.607	ug/l	99
3) Chloromethane	2.068	50	88487	45.616	ug/l	100
4) Vinyl Chloride	2.202	62	98448	46.441	ug/l	100
5) Bromomethane	2.598	94	73835	48.192	ug/l	96
6) Chloroethane	2.732	64	74664	53.298	ug/l	97
7) Trichlorofluoromethane	3.062	101	147372	49.808	ug/l	96
8) Diethyl Ether	3.458	74	45314	55.263	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.818	101	74251	43.954	ug/l	98
10) Methyl Iodide	4.000	142	91783	53.450	ug/l	99
11) Tert butyl alcohol	4.866	59	24558	237.194	ug/l	97
12) 1,1-Dichloroethene	3.787	96	71031	46.120	ug/l	96
13) Acrolein	3.653	56	904	11.215	ug/l	89
14) Allyl chloride	4.385	41	123731	49.712	ug/l	99
15) Acrylonitrile	5.061	53	99331	284.572	ug/l	99
16) Acetone	3.872	43	71556	207.025	ug/l	90
17) Carbon Disulfide	4.110	76	201679	41.784	ug/l	99
18) Methyl Acetate	4.385	43	72412	94.420	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	213646	54.730	ug/l	99
20) Methylene Chloride	4.616	84	97832	53.922	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	85559	49.604	ug/l	97
22) Diisopropyl ether	6.018	45	303665	56.612	ug/l	99
23) Vinyl Acetate	5.963	43	747582	244.210	ug/l	99
24) 1,1-Dichloroethane	5.915	63	170036	53.711	ug/l	99
25) 2-Butanone	6.896	43	121376	253.859	ug/l	99
26) 2,2-Dichloropropane	6.884	77	121600	41.746	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	104573	53.368	ug/l	97
28) Bromochloromethane	7.244	49	74462	56.104	ug/l	99
29) Tetrahydrofuran	7.268	42	81832	277.237	ug/l	100
30) Chloroform	7.421	83	184179	56.027	ug/l	96
31) Cyclohexane	7.701	56	117434	39.568	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	155273	51.586	ug/l	98
36) 1,1-Dichloropropene	7.835	75	114016	44.619	ug/l	100
37) Ethyl Acetate	6.982	43	53247	47.146	ug/l	99
38) Carbon Tetrachloride	7.817	117	134608	45.804	ug/l	99
39) Methylcyclohexane	9.109	83	120175	38.341	ug/l	97
40) Benzene	8.079	78	373756	49.653	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	34496	56.094	ug/l	95
42) 1,2-Dichloroethane	8.158	62	110359	52.407	ug/l	100
43) Isopropyl Acetate	8.195	43	108566	49.517	ug/l #	90
44) Trichloroethene	8.865	130	93351	49.076	ug/l	95
45) 1,2-Dichloropropane	9.140	63	92638	51.709	ug/l	97
46) Dibromomethane	9.231	93	53375	53.545	ug/l	100
47) Bromodichloromethane	9.426	83	141497	53.451	ug/l	99
48) Methyl methacrylate	9.219	41	52079	51.729	ug/l	94
49) 1,4-Dioxane	9.231	88	10900	1114.050	ug/l #	94
51) 4-Methyl-2-Pentanone	9.999	43	308464	272.676	ug/l	99
52) Toluene	10.170	92	239275	50.419	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	119323	51.162	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	138763	50.113	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	70253	53.877	ug/l	98
56) Ethyl methacrylate	10.438	69	90788	54.593	ug/l	97
57) 1,3-Dichloropropane	10.719	76	121074	53.573	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	248959	324.303	ug/l	99
59) 2-Hexanone	10.761	43	201273	269.078	ug/l	99
60) Dibromochloromethane	10.914	129	97615	54.606	ug/l	99
61) 1,2-Dibromoethane	11.017	107	65908	53.556	ug/l	99
64) Tetrachloroethene	10.646	164	97653	52.462	ug/l	99
65) Chlorobenzene	11.444	112	261429	48.363	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	96657	50.576	ug/l	99
67) Ethyl Benzene	11.517	91	451036	47.538	ug/l	100
68) m/p-Xylenes	11.627	106	345347	95.874	ug/l	99
69) o-Xylene	11.956	106	165084	49.727	ug/l	99
70) Styrene	11.969	104	283006	51.386	ug/l	100
71) Bromoform	12.133	173	55787	52.218	ug/l #	99
73) Isopropylbenzene	12.255	105	424252	43.786	ug/l	99
74) N-amyl acetate	12.072	43	93213	44.297	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	79542	46.521	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	59317m	47.856	ug/l	
77) Bromobenzene	12.535	156	105022	46.331	ug/l	99
78) n-propylbenzene	12.596	91	513212	43.613	ug/l	100
79) 2-Chlorotoluene	12.682	91	304787	45.298	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	352977	44.828	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	22201	40.718	ug/l	98
82) 4-Chlorotoluene	12.779	91	316277	45.393	ug/l	99
83) tert-Butylbenzene	12.999	119	315073	44.854	ug/l	98
84) 1,2,4-Trimethylbenzene	13.041	105	355900	45.523	ug/l	100
85) sec-Butylbenzene	13.176	105	451631	43.213	ug/l	99
86) p-Isopropyltoluene	13.291	119	373106	43.333	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	203812	45.169	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	200690	45.479	ug/l	99
89) n-Butylbenzene	13.621	91	331259	41.664	ug/l	100
90) Hexachloroethane	13.883	117	83632	45.530	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	183716	47.505	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	12466	48.672	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	95930	45.414	ug/l	98
94) Hexachlorobutadiene	15.023	225	58194	43.949	ug/l	99
95) Naphthalene	15.145	128	171609	48.280	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	85144	47.926	ug/l	100

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

