

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032425\
 Data File : VY021626.D
 Acq On : 24 Mar 2025 18:21
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 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 25 01:32:46 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	163433	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	268187	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	253043	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	136745	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	90574	52.434	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.860%	
35) Dibromofluoromethane	7.634	113	88031	49.937	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.880%	
50) Toluene-d8	10.109	98	307947	46.137	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 92.280%	
62) 4-Bromofluorobenzene	12.408	95	115257	50.764	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.520%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	56035	37.363	ug/l	99
3) Chloromethane	2.068	50	93261	44.106	ug/l	98
4) Vinyl Chloride	2.202	62	105026	45.452	ug/l	100
5) Bromomethane	2.592	94	76882	46.036	ug/l	98
6) Chloroethane	2.732	64	77335	50.645	ug/l	97
7) Trichlorofluoromethane	3.056	101	148473	46.035	ug/l	100
8) Diethyl Ether	3.458	74	47995	53.698	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.811	101	82413	44.756	ug/l	100
10) Methyl Iodide	4.007	142	98796	52.782	ug/l	99
11) Tert butyl alcohol	4.866	59	29948	268.303	ug/l	96
12) 1,1-Dichloroethene	3.787	96	75903	45.212	ug/l	99
13) Acrolein	3.647	56	2754	31.345	ug/l	88
14) Allyl chloride	4.385	41	136001	50.129	ug/l	99
15) Acrylonitrile	5.055	53	111994	294.349	ug/l	99
16) Acetone	3.866	43	83497	221.619	ug/l	95
17) Carbon Disulfide	4.104	76	214691	40.806	ug/l	98
18) Methyl Acetate	4.385	43	68478	81.915	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	243575	57.243	ug/l	100
20) Methylene Chloride	4.610	84	105988	53.592	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	91766	48.808	ug/l	94
22) Diisopropyl ether	6.018	45	336797	57.603	ug/l	97
23) Vinyl Acetate	5.957	43	888551	266.285	ug/l	99
24) 1,1-Dichloroethane	5.915	63	183218	53.094	ug/l	99
25) 2-Butanone	6.890	43	139906	268.445	ug/l	100
26) 2,2-Dichloropropane	6.884	77	139613	43.971	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	113730	53.247	ug/l	98
28) Bromochloromethane	7.244	49	83007	57.376	ug/l	100
29) Tetrahydrofuran	7.256	42	94514	293.754	ug/l	98
30) Chloroform	7.421	83	197759	55.189	ug/l	99
31) Cyclohexane	7.701	56	129669	40.081	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	161653	49.270	ug/l	100
36) 1,1-Dichloropropene	7.835	75	120900	43.814	ug/l	99
37) Ethyl Acetate	6.988	43	64957	53.260	ug/l	99
38) Carbon Tetrachloride	7.817	117	145055	45.708	ug/l	99
39) Methylcyclohexane	9.109	83	134728	39.805	ug/l	97
40) Benzene	8.079	78	401329	49.373	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	41431	62.388	ug/l	91
42) 1,2-Dichloroethane	8.152	62	121362	53.370	ug/l	100
43) Isopropyl Acetate	8.195	43	128400	54.233	ug/l #	87
44) Trichloroethene	8.865	130	99248	48.318	ug/l	92
45) 1,2-Dichloropropane	9.140	63	101851	52.647	ug/l	99
46) Dibromomethane	9.231	93	58333	54.191	ug/l	98
47) Bromodichloromethane	9.420	83	156991	54.918	ug/l	98
48) Methyl methacrylate	9.219	41	59817	55.020	ug/l	97
49) 1,4-Dioxane	9.231	88	13137	1243.387	ug/l	99
51) 4-Methyl-2-Pentanone	9.999	43	353639	289.490	ug/l	99
52) Toluene	10.170	92	258374	50.417	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	135959	53.984	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	155892	52.135	ug/l	96
55) 1,1,2-Trichloroethane	10.572	97	78482	55.737	ug/l	98
56) Ethyl methacrylate	10.438	69	104502	58.193	ug/l	100
57) 1,3-Dichloropropane	10.719	76	135298	55.440	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	280732	338.646	ug/l	100
59) 2-Hexanone	10.761	43	232782	288.187	ug/l	99
60) Dibromochloromethane	10.914	129	107844	55.867	ug/l	100
61) 1,2-Dibromoethane	11.011	107	74501	56.061	ug/l	96
64) Tetrachloroethene	10.646	164	105243	51.147	ug/l	98
65) Chlorobenzene	11.444	112	288125	48.218	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	106927	50.613	ug/l	100
67) Ethyl Benzene	11.517	91	490206	46.739	ug/l	99
68) m/p-Xylenes	11.627	106	377420	94.785	ug/l	99
69) o-Xylene	11.956	106	182991	49.864	ug/l	98
70) Styrene	11.969	104	315518	51.826	ug/l	99
71) Bromoform	12.133	173	63541	53.803	ug/l #	100
73) Isopropylbenzene	12.255	105	470830	43.710	ug/l	100
74) N-amyl acetate	12.072	43	115042	49.177	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	90556	47.640	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	65142m	47.274	ug/l	
77) Bromobenzene	12.529	156	118945	47.200	ug/l	99
78) n-propylbenzene	12.596	91	567606	43.388	ug/l	100
79) 2-Chlorotoluene	12.682	91	336822	45.028	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	396161	45.256	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	28049	46.274	ug/l	95
82) 4-Chlorotoluene	12.779	91	349868	45.168	ug/l	99
83) tert-Butylbenzene	12.999	119	349831	44.797	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	402912	46.357	ug/l	99
85) sec-Butylbenzene	13.176	105	504464	43.417	ug/l	99
86) p-Isopropyltoluene	13.291	119	427796	44.691	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	230698	45.990	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	228232	46.523	ug/l	99
89) n-Butylbenzene	13.615	91	388984	44.007	ug/l	99
90) Hexachloroethane	13.883	117	91318	44.718	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	207515	48.266	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	14325	50.309	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	120226	51.196	ug/l	99
94) Hexachlorobutadiene	15.023	225	68605	46.605	ug/l	99
95) Naphthalene	15.145	128	222359	55.292	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	107888	54.625	ug/l	98

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

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