

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022275.D
 Acq On : 15 May 2025 19:52
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
 Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 02:00:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	200166	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	350341	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	304640	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	143337	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	117866	53.878	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.760%			
35) Dibromofluoromethane	7.634	113	110158	52.681	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.360%			
50) Toluene-d8	10.103	98	442242	51.640	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.280%			
62) 4-Bromofluorobenzene	12.401	95	133714	49.259	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.520%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	95204	45.582	ug/l	98
3) Chloromethane	2.068	50	200223	45.571	ug/l	100
4) Vinyl Chloride	2.202	62	258263	52.613	ug/l	96
5) Bromomethane	2.592	94	197048	49.312	ug/l	94
6) Chloroethane	2.732	64	176506	57.798	ug/l	99
7) Trichlorofluoromethane	3.049	101	250861	50.476	ug/l	100
8) Diethyl Ether	3.452	74	60490	50.717	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.811	101	104255	48.320	ug/l	99
10) Methyl Iodide	4.000	142	131696	52.738	ug/l	100
11) Tert butyl alcohol	4.866	59	40595	243.003	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	105573	49.308	ug/l	99
13) Acrolein	3.647	56	48235	197.507	ug/l	100
14) Allyl chloride	4.385	41	181793	48.423	ug/l	96
15) Acrylonitrile	5.055	53	126006	256.397	ug/l	99
16) Acetone	3.866	43	92726	226.053	ug/l	99
17) Carbon Disulfide	4.104	76	349244	50.021	ug/l	99
18) Methyl Acetate	4.378	43	85059	65.768	ug/l	97
19) Methyl tert-butyl Ether	5.110	73	303808	51.461	ug/l	99
20) Methylene Chloride	4.616	84	127944	48.271	ug/l	94
21) trans-1,2-Dichloroethene	5.110	96	120885	51.151	ug/l	98
22) Diisopropyl ether	6.018	45	400400	50.504	ug/l	98
23) Vinyl Acetate	5.957	43	1086547	226.852	ug/l	98
24) 1,1-Dichloroethane	5.915	63	226971	51.243	ug/l	97
25) 2-Butanone	6.890	43	163842	238.789	ug/l	99
26) 2,2-Dichloropropane	6.884	77	179803	45.640	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	141795	51.993	ug/l	98
28) Bromochloromethane	7.244	49	101573	53.763	ug/l	100
29) Tetrahydrofuran	7.262	42	111339	252.225	ug/l	98
30) Chloroform	7.421	83	224372	52.812	ug/l	98
31) Cyclohexane	7.701	56	200037	45.201	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	194589	49.923	ug/l	99
36) 1,1-Dichloropropene	7.835	75	159907	46.428	ug/l	98
37) Ethyl Acetate	6.988	43	75333	45.459	ug/l	99
38) Carbon Tetrachloride	7.817	117	166240	46.629	ug/l	99
39) Methylcyclohexane	9.109	83	210935	45.585	ug/l	97
40) Benzene	8.079	78	503565	49.319	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	47576m	43.280	ug/l	
42) 1,2-Dichloroethane	8.158	62	134356	48.660	ug/l	99
43) Isopropyl Acetate	8.195	43	165989	45.928	ug/l	99
44) Trichloroethene	8.865	130	123509	48.649	ug/l	100
45) 1,2-Dichloropropane	9.140	63	120095	48.787	ug/l	100
46) Dibromomethane	9.231	93	64278	48.413	ug/l	99
47) Bromodichloromethane	9.420	83	172091	49.963	ug/l	100
48) Methyl methacrylate	9.219	41	80618	47.699	ug/l	98
49) 1,4-Dioxane	9.225	88	14533	968.930	ug/l	97
51) 4-Methyl-2-Pentanone	9.999	43	417595	235.486	ug/l	98
52) Toluene	10.170	92	315520	48.800	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	158866	47.262	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	184284	47.851	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	83201	48.937	ug/l	99
56) Ethyl methacrylate	10.438	69	126764	47.866	ug/l	100
57) 1,3-Dichloropropane	10.713	76	147656	48.881	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	317597	267.180	ug/l	100
59) 2-Hexanone	10.761	43	273295	229.855	ug/l	99
60) Dibromochloromethane	10.908	129	107741	48.824	ug/l	98
61) 1,2-Dibromoethane	11.011	107	76587	48.332	ug/l	99
64) Tetrachloroethene	10.646	164	134690	47.833	ug/l	97
65) Chlorobenzene	11.438	112	330781	48.128	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	112943	47.800	ug/l	98
67) Ethyl Benzene	11.517	91	612536	47.588	ug/l	98
68) m/p-Xylenes	11.627	106	462177	95.289	ug/l	100
69) o-Xylene	11.950	106	220371	48.022	ug/l	98
70) Styrene	11.969	104	374912	48.433	ug/l	99
71) Bromoform	12.133	173	60098	47.123	ug/l #	97
73) Isopropylbenzene	12.255	105	566596	47.714	ug/l	100
74) N-amyl acetate	12.066	43	148480	43.719	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	87608	47.972	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	68265m	47.009	ug/l	
77) Bromobenzene	12.529	156	122958	48.481	ug/l	98
78) n-propylbenzene	12.596	91	680966	47.543	ug/l	100
79) 2-Chlorotoluene	12.676	91	375886	47.755	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	455782	47.548	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	30112	42.006	ug/l	98
82) 4-Chlorotoluene	12.773	91	384865	47.537	ug/l	100
83) tert-Butylbenzene	12.993	119	406701	47.735	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	454585	47.773	ug/l	100
85) sec-Butylbenzene	13.176	105	599530	47.404	ug/l	99
86) p-Isopropyltoluene	13.291	119	503789	47.362	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	245939	47.502	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	238952	47.980	ug/l	98
89) n-Butylbenzene	13.615	91	473672	47.071	ug/l	100
90) Hexachloroethane	13.877	117	101787	47.405	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	211496	48.631	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	13683	46.464	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	116136	46.231	ug/l	98
94) Hexachlorobutadiene	15.023	225	62944	44.930	ug/l	99
95) Naphthalene	15.145	128	219362	46.015	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	98613	46.274	ug/l	99

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

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