

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041825\
 Data File : VY021916.D
 Acq On : 18 Apr 2025 08:46
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/21/2025
 Supervised By :Semsettin Yesilyurt 04/21/2025

Quant Time: Apr 19 01:06:16 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	7.713	168	200417	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	296151	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	272274	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	144541	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	102692	47.292	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.580%		
35) Dibromofluoromethane	7.634	113	99197	51.636	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.280%		
50) Toluene-d8	10.109	98	375267	51.348	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	102.700%		
62) 4-Bromofluorobenzene	12.408	95	129057	52.207	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	104.420%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	85764	41.287	ug/l	97
3) Chloromethane	2.068	50	125679	43.027	ug/l	99
4) Vinyl Chloride	2.202	62	145339	43.998	ug/l	100
5) Bromomethane	2.598	94	96352	42.766	ug/l	98
6) Chloroethane	2.732	64	97440	45.079	ug/l	100
7) Trichlorofluoromethane	3.056	101	192320	45.449	ug/l	100
8) Diethyl Ether	3.458	74	53261	46.283	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.811	101	105703	47.362	ug/l	97
10) Methyl Iodide	4.007	142	118265	48.302	ug/l	99
11) Tert butyl alcohol	4.866	59	31243	221.516	ug/l	98
12) 1,1-Dichloroethene	3.787	96	95679	45.514	ug/l	98
13) Acrolein	3.659	56	10457	40.604	ug/l	99
14) Allyl chloride	4.385	41	151712	45.264	ug/l	99
15) Acrylonitrile	5.061	53	118999	247.664	ug/l	100
16) Acetone	3.872	43	95912	215.818	ug/l	96
17) Carbon Disulfide	4.104	76	295868	42.731	ug/l	99
18) Methyl Acetate	4.385	43	70157	63.696	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	253852	48.503	ug/l	100
20) Methylene Chloride	4.622	84	108733	50.000	ug/l	93
21) trans-1,2-Dichloroethene	5.122	96	108469	46.864	ug/l	97
22) Diisopropyl ether	6.018	45	348143	49.515	ug/l	98
23) Vinyl Acetate	5.964	43	949021	230.725	ug/l	98
24) 1,1-Dichloroethane	5.915	63	200478	47.685	ug/l	99
25) 2-Butanone	6.896	43	149493	235.511	ug/l	97
26) 2,2-Dichloropropane	6.884	77	178678	47.778	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	125737	48.306	ug/l	99
28) Bromochloromethane	7.250	49	86375	48.714	ug/l	96
29) Tetrahydrofuran	7.262	42	99612	243.834	ug/l	98
30) Chloroform	7.421	83	215644	49.314	ug/l	99
31) Cyclohexane	7.701	56	169568	44.245	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	190860	48.292	ug/l	100
36) 1,1-Dichloropropene	7.835	75	148583	50.778	ug/l	99
37) Ethyl Acetate	6.988	43	69470	50.306	ug/l	100
38) Carbon Tetrachloride	7.823	117	174082	51.943	ug/l	98
39) Methylcyclohexane	9.109	83	175812	50.296	ug/l	96
40) Benzene	8.079	78	450143	51.369	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	40085	54.658	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	129561	52.445	ug/l	99
43) Isopropyl Acetate	8.195	43	131106	50.098	ug/l	98
44) Trichloroethene	8.865	130	115521	51.740	ug/l	99
45) 1,2-Dichloropropane	9.140	63	108388	52.254	ug/l	100
46) Dibromomethane	9.231	93	63326	52.973	ug/l	97
47) Bromodichloromethane	9.426	83	164226	53.017	ug/l	100
48) Methyl methacrylate	9.219	41	63040	52.485	ug/l	100
49) 1,4-Dioxane	9.231	88	12673	989.598	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	375573	275.774	ug/l	100
52) Toluene	10.170	92	293255	53.638	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	144527	52.529	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	166351	51.250	ug/l	97
55) 1,1,2-Trichloroethane	10.572	97	83898	54.536	ug/l	97
56) Ethyl methacrylate	10.438	69	110214	56.107	ug/l	97
57) 1,3-Dichloropropane	10.719	76	141636	53.309	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	292076	304.794	ug/l	100
59) 2-Hexanone	10.761	43	251472	277.258	ug/l	100
60) Dibromochloromethane	10.914	129	114110	54.328	ug/l	98
61) 1,2-Dibromoethane	11.018	107	78696	54.532	ug/l	100
64) Tetrachloroethene	10.646	164	136538	55.060	ug/l	98
65) Chlorobenzene	11.444	112	317421	50.857	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	116126	52.440	ug/l	100
67) Ethyl Benzene	11.524	91	563470	52.648	ug/l	99
68) m/p-Xylenes	11.633	106	436849	106.592	ug/l	99
69) o-Xylene	11.956	106	200484	52.995	ug/l	100
70) Styrene	11.969	104	344739	54.654	ug/l	98
71) Bromoform	12.133	173	68672	54.365	ug/l #	99
73) Isopropylbenzene	12.255	105	535021	49.836	ug/l	99
74) N-amyl acetate	12.072	43	120260	47.731	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.511	83	90952	47.122	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	75750m	52.870	ug/l	
77) Bromobenzene	12.536	156	129787	50.352	ug/l	97
78) n-propylbenzene	12.596	91	655431	50.782	ug/l	99
79) 2-Chlorotoluene	12.682	91	371574	49.566	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	443579	50.555	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	29283	47.093	ug/l	99
82) 4-Chlorotoluene	12.779	91	393675	50.372	ug/l	99
83) tert-Butylbenzene	12.999	119	388318	49.688	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	449752	51.863	ug/l	100
85) sec-Butylbenzene	13.176	105	583835	51.120	ug/l	100
86) p-Isopropyltoluene	13.291	119	492874	52.214	ug/l	100
87) 1,3-Dichlorobenzene	13.291	146	255004	50.214	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	253871	50.598	ug/l	99
89) n-Butylbenzene	13.621	91	449605	51.503	ug/l	100
90) Hexachloroethane	13.883	117	102465	49.535	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	225148	50.930	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	15248	50.970	ug/l	98
93) 1,2,4-Trichlorobenzene	14.925	180	126155	52.622	ug/l	99
94) Hexachlorobutadiene	15.023	225	76415	51.037	ug/l	99
95) Naphthalene	15.145	128	215723	54.287	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	109156	53.394	ug/l	99

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

