

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031725\
 Data File : VY021554.D
 Acq On : 17 Mar 2025 16:40
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/18/2025
 Supervised By :Semsettin Yesilyurt 03/18/2025

Quant Time: Mar 18 01:28:20 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	188141	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	296688	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	270626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	143449	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	102055	51.322	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.640%			
35) Dibromofluoromethane	7.634	113	99567	51.055	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.120%			
50) Toluene-d8	10.103	98	367199	49.729	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.460%			
62) 4-Bromofluorobenzene	12.408	95	129892	51.714	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.420%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	77938	45.142	ug/l	96
3) Chloromethane	2.068	50	127166	52.243	ug/l	99
4) Vinyl Chloride	2.202	62	144409	54.289	ug/l	99
5) Bromomethane	2.592	94	102218	53.169	ug/l	100
6) Chloroethane	2.732	64	102775	58.466	ug/l	95
7) Trichlorofluoromethane	3.056	101	193506	52.119	ug/l	99
8) Diethyl Ether	3.452	74	58018	56.387	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	106442	50.214	ug/l	99
10) Methyl Iodide	4.000	142	133543	61.975	ug/l	100
11) Tert butyl alcohol	4.854	59	35251	274.895	ug/l	98
12) 1,1-Dichloroethene	3.787	96	99118	51.287	ug/l	98
13) Acrolein	3.653	56	5392	53.310	ug/l	96
14) Allyl chloride	4.385	41	170647	54.639	ug/l	99
15) Acrylonitrile	5.055	53	126323	288.407	ug/l	99
16) Acetone	3.866	43	95365	219.878	ug/l	93
17) Carbon Disulfide	4.104	76	301716	49.815	ug/l	99
18) Methyl Acetate	4.378	43	71562	74.362	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	286992	58.589	ug/l	100
20) Methylene Chloride	4.610	84	118904	52.227	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	117720	54.390	ug/l	98
22) Diisopropyl ether	6.018	45	399907	59.415	ug/l	95
23) Vinyl Acetate	5.957	43	1077978	280.628	ug/l	99
24) 1,1-Dichloroethane	5.915	63	227760	57.334	ug/l	100
25) 2-Butanone	6.890	43	159692	266.170	ug/l	98
26) 2,2-Dichloropropane	6.884	77	171675	46.968	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	142210	57.837	ug/l	97
28) Bromochloromethane	7.238	49	83006	49.841	ug/l	100
29) Tetrahydrofuran	7.262	42	108227	292.200	ug/l	100
30) Chloroform	7.421	83	239549	58.072	ug/l	95
31) Cyclohexane	7.701	56	173781	46.662	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	204148	54.050	ug/l	99
36) 1,1-Dichloropropene	7.835	75	158719	51.994	ug/l	99
37) Ethyl Acetate	6.982	43	74191	54.988	ug/l	100
38) Carbon Tetrachloride	7.817	117	182321	51.932	ug/l	98
39) Methylcyclohexane	9.109	83	182783	48.815	ug/l	100
40) Benzene	8.079	78	502266	55.854	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	40743	55.459	ug/l #	94
42) 1,2-Dichloroethane	8.158	62	144488	57.435	ug/l	99
43) Isopropyl Acetate	8.195	43	148376	56.650	ug/l #	88
44) Trichloroethene	8.865	130	125573	55.261	ug/l	99
45) 1,2-Dichloropropane	9.140	63	123524	57.716	ug/l	97
46) Dibromomethane	9.231	93	69634	58.476	ug/l	99
47) Bromodichloromethane	9.420	83	186202	58.879	ug/l	97
48) Methyl methacrylate	9.219	41	69729	57.976	ug/l	98
49) 1,4-Dioxane	9.231	88	14543	1244.233	ug/l #	96
51) 4-Methyl-2-Pentanone	9.999	43	394580	291.976	ug/l	100
52) Toluene	10.170	92	319605	56.374	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	161437	57.942	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	186838	56.482	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	91199	58.547	ug/l	98
56) Ethyl methacrylate	10.438	69	121093	60.954	ug/l	100
57) 1,3-Dichloropropane	10.713	76	158564	58.732	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	233591	254.711	ug/l	99
59) 2-Hexanone	10.761	43	259260	290.133	ug/l	100
60) Dibromochloromethane	10.908	129	127425	59.669	ug/l	98
61) 1,2-Dibromoethane	11.011	107	85358	58.060	ug/l	100
64) Tetrachloroethene	10.646	164	129076	58.654	ug/l	98
65) Chlorobenzene	11.444	112	350165	54.793	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	125701	55.634	ug/l	99
67) Ethyl Benzene	11.517	91	614582	54.790	ug/l	99
68) m/p-Xylenes	11.627	106	468092	109.919	ug/l	98
69) o-Xylene	11.956	106	223484	56.941	ug/l	100
70) Styrene	11.969	104	383584	58.912	ug/l	99
71) Bromoform	12.133	173	72303	57.245	ug/l	100
73) Isopropylbenzene	12.255	105	580437	51.367	ug/l	99
74) N-amyl acetate	12.072	43	130751	53.280	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	101256	50.779	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	73098m	50.569	ug/l	
77) Bromobenzene	12.529	156	140370	53.098	ug/l	97
78) n-propylbenzene	12.596	91	709257	51.682	ug/l	100
79) 2-Chlorotoluene	12.676	91	413505	52.696	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	484661	52.778	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	29633	46.603	ug/l	98
82) 4-Chlorotoluene	12.779	91	429031	52.799	ug/l	99
83) tert-Butylbenzene	12.999	119	432016	52.736	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	489791	53.720	ug/l	99
85) sec-Butylbenzene	13.176	105	625655	51.331	ug/l	99
86) p-Isopropyltoluene	13.291	119	532814	53.061	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	275428	52.341	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	273552	53.155	ug/l	99
89) n-Butylbenzene	13.615	91	484033	52.202	ug/l	99
90) Hexachloroethane	13.877	117	108587	50.690	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	243780	54.051	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	15333	51.333	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	138504	56.223	ug/l	98
94) Hexachlorobutadiene	15.023	225	82271	53.277	ug/l	98
95) Naphthalene	15.145	128	232308	55.092	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	118950	57.411	ug/l	100

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

