

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041725\
 Data File : VY021914.D
 Acq On : 17 Apr 2025 16:25
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/18/2025
 Supervised By :Semsettin Yesilyurt 04/18/2025

Quant Time: Apr 18 04:01:08 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	7.707	168	147505	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	223491	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	208393	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	113580	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	105788	66.193	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 132.380%	
35) Dibromofluoromethane	7.634	113	103163	71.159	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 142.320%	
50) Toluene-d8	10.103	98	395919	71.786	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 143.580%#	
62) 4-Bromofluorobenzene	12.408	95	140080	75.089	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 150.180%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	81471	53.289	ug/l	100
3) Chloromethane	2.068	50	131591	61.211	ug/l	98
4) Vinyl Chloride	2.202	62	142673	58.684	ug/l	100
5) Bromomethane	2.599	94	104194	62.836	ug/l	99
6) Chloroethane	2.733	64	99258	62.392	ug/l	100
7) Trichlorofluoromethane	3.056	101	189212	60.754	ug/l	98
8) Diethyl Ether	3.452	74	51984	61.378	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.812	101	100987	61.480	ug/l	98
10) Methyl Iodide	4.007	142	120521	66.881	ug/l	99
11) Tert butyl alcohol	4.891	59	26676m	256.980	ug/l	
12) 1,1-Dichloroethene	3.787	96	94108	60.825	ug/l	96
13) Acrolein	3.653	56	9371	49.440	ug/l	99
14) Allyl chloride	4.385	41	151727	61.506	ug/l	99
15) Acrylonitrile	5.061	53	108074	305.611	ug/l	99
16) Acetone	3.885	43	75849	231.895	ug/l	97
17) Carbon Disulfide	4.104	76	287850	56.486	ug/l	98
18) Methyl Acetate	4.391	43	67777	83.609	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	240872	62.532	ug/l	97
20) Methylene Chloride	4.616	84	108099	69.011	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	107463	63.084	ug/l	99
22) Diisopropyl ether	6.019	45	342623	66.210	ug/l	99
23) Vinyl Acetate	5.964	43	882974	291.672	ug/l	99
24) 1,1-Dichloroethane	5.915	63	197976	63.981	ug/l	99
25) 2-Butanone	6.903	43	130569	279.485	ug/l	99
26) 2,2-Dichloropropane	6.884	77	170723	62.026	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	125875	65.707	ug/l	97
28) Bromochloromethane	7.244	49	83752	64.179	ug/l	98
29) Tetrahydrofuran	7.268	42	87248	290.179	ug/l	97
30) Chloroform	7.421	83	208444	64.767	ug/l	93
31) Cyclohexane	7.701	56	157765	55.932	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	185137	63.647	ug/l	99
36) 1,1-Dichloropropene	7.835	75	143951	65.189	ug/l	99
37) Ethyl Acetate	6.982	43	59864	57.443	ug/l	97
38) Carbon Tetrachloride	7.817	117	166843	65.968	ug/l	98
39) Methylcyclohexane	9.110	83	170953	64.806	ug/l	98
40) Benzene	8.079	78	449870	68.028	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	35646	64.407	ug/l #	100
42) 1,2-Dichloroethane	8.159	62	121555	65.201	ug/l	100
43) Isopropyl Acetate	8.195	43	120978	61.257	ug/l	99
44) Trichloroethene	8.866	130	115218	68.381	ug/l	97
45) 1,2-Dichloropropane	9.140	63	107297	68.546	ug/l	97
46) Dibromomethane	9.231	93	61583	68.263	ug/l	96
47) Bromodichloromethane	9.420	83	159921	68.412	ug/l	99
48) Methyl methacrylate	9.219	41	60768	67.042	ug/l	98
49) 1,4-Dioxane	9.238	88	12193	1261.663	ug/l #	95
51) 4-Methyl-2-Pentanone	10.000	43	335769	326.703	ug/l	100
52) Toluene	10.170	92	287139	69.594	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	137306	66.130	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	163430	66.720	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	80392	69.247	ug/l	96
56) Ethyl methacrylate	10.439	69	101794	68.668	ug/l	98
57) 1,3-Dichloropropane	10.713	76	137380	68.518	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	274830	380.039	ug/l	100
59) 2-Hexanone	10.762	43	218480	319.198	ug/l	99
60) Dibromochloromethane	10.908	129	109392	69.014	ug/l	98
61) 1,2-Dibromoethane	11.012	107	74258	68.186	ug/l	99
64) Tetrachloroethene	10.646	164	131592	69.332	ug/l	98
65) Chlorobenzene	11.438	112	314076	65.747	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	115709	68.269	ug/l	98
67) Ethyl Benzene	11.518	91	552166	67.406	ug/l	99
68) m/p-Xylenes	11.627	106	428595	136.635	ug/l	99
69) o-Xylene	11.957	106	198821	68.665	ug/l	100
70) Styrene	11.969	104	341616	70.761	ug/l	99
71) Bromoform	12.133	173	63765	65.955	ug/l #	99
73) Isopropylbenzene	12.255	105	529274	62.740	ug/l	99
74) N-amyl acetate	12.072	43	112481	56.813	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	84029	55.402	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	66398m	58.975	ug/l	
77) Bromobenzene	12.530	156	125956	62.186	ug/l	97
78) n-propylbenzene	12.597	91	648095	63.901	ug/l	100
79) 2-Chlorotoluene	12.682	91	371256	63.024	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	442484	64.178	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	25743	52.685	ug/l	92
82) 4-Chlorotoluene	12.774	91	386761	62.977	ug/l	100
83) tert-Butylbenzene	12.999	119	394349	64.215	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	445982	65.447	ug/l	99
85) sec-Butylbenzene	13.176	105	578748	64.488	ug/l	100
86) p-Isopropyltoluene	13.292	119	488087	65.802	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	255618	64.055	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	249994	63.407	ug/l	99
89) n-Butylbenzene	13.615	91	444980	64.868	ug/l	100
90) Hexachloroethane	13.877	117	100944	62.102	ug/l	97
91) 1,2-Dichlorobenzene	13.658	146	222598	64.079	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	13563	57.696	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	131426	69.765	ug/l	99
94) Hexachlorobutadiene	15.023	225	79109	67.240	ug/l	100
95) Naphthalene	15.145	128	218450	69.959	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	113424	70.606	ug/l	99

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

