

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032525\
 Data File : VY021628.D
 Acq On : 25 Mar 2025 11:31
 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 03/26/2025
 Supervised By :Semsettin Yesilyurt 03/26/2025

Quant Time: Mar 26 01:35:13 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	208523	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	310165	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	269506	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	138648	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	115109	52.228	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.460%	
35) Dibromofluoromethane	7.628	113	114984	56.399	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.800%	
50) Toluene-d8	10.109	98	428835	55.553	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 111.100%	
62) 4-Bromofluorobenzene	12.408	95	145218	55.304	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 110.600%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	85208	44.529	ug/l	100
3) Chloromethane	2.068	50	128930	47.790	ug/l	98
4) Vinyl Chloride	2.202	62	152470	51.716	ug/l	98
5) Bromomethane	2.592	94	98126	46.052	ug/l	92
6) Chloroethane	2.733	64	108047	55.457	ug/l	98
7) Trichlorofluoromethane	3.056	101	234257	56.927	ug/l	100
8) Diethyl Ether	3.452	74	54820	48.071	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	119571	50.894	ug/l	99
10) Methyl Iodide	4.001	142	117454	49.181	ug/l	99
11) Tert butyl alcohol	4.854	59	31659	218.054	ug/l	98
12) 1,1-Dichloroethene	3.787	96	104744	48.901	ug/l	99
13) Acrolein	3.653	56	3878	34.594	ug/l	96
14) Allyl chloride	4.379	41	172194	49.745	ug/l	99
15) Acrylonitrile	5.055	53	119124	245.387	ug/l	98
16) Acetone	3.866	43	128382	267.071	ug/l	96
17) Carbon Disulfide	4.104	76	293209	43.679	ug/l	99
18) Methyl Acetate	4.385	43	66871	62.696	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	265837	48.966	ug/l	98
20) Methylene Chloride	4.616	84	117412	46.531	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	117924	49.159	ug/l	96
22) Diisopropyl ether	6.012	45	377367	50.586	ug/l	98
23) Vinyl Acetate	5.958	43	993751	233.415	ug/l	99
24) 1,1-Dichloroethane	5.909	63	222551	50.547	ug/l	99
25) 2-Butanone	6.890	43	162590	244.511	ug/l	99
26) 2,2-Dichloropropane	6.884	77	206349	50.936	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	137581	50.485	ug/l	99
28) Bromochloromethane	7.244	49	92488	50.106	ug/l	98
29) Tetrahydrofuran	7.256	42	96584	235.277	ug/l	99
30) Chloroform	7.421	83	231820	50.705	ug/l	98
31) Cyclohexane	7.701	56	187396	45.400	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	213175	50.923	ug/l	100
36) 1,1-Dichloropropene	7.835	75	163842	51.340	ug/l	100
37) Ethyl Acetate	6.982	43	68663	48.679	ug/l	99
38) Carbon Tetrachloride	7.817	117	196693	53.591	ug/l	98
39) Methylcyclohexane	9.109	83	202283	51.675	ug/l	100
40) Benzene	8.079	78	485497	51.644	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	39289	51.156	ug/l #	93
42) 1,2-Dichloroethane	8.158	62	132253	50.288	ug/l	99
43) Isopropyl Acetate	8.195	43	133055	48.593	ug/l #	88
44) Trichloroethene	8.866	130	126073	53.070	ug/l	96
45) 1,2-Dichloropropane	9.140	63	118445	52.938	ug/l	98
46) Dibromomethane	9.231	93	63897	51.326	ug/l	99
47) Bromodichloromethane	9.420	83	175430	53.063	ug/l	100
48) Methyl methacrylate	9.219	41	65322	51.952	ug/l	98
49) 1,4-Dioxane	9.225	88	13842	1132.801	ug/l	94
51) 4-Methyl-2-Pentanone	10.000	43	357380	252.958	ug/l	100
52) Toluene	10.170	92	313470	52.890	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	153774	52.794	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	180186	52.104	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	85583	52.554	ug/l	96
56) Ethyl methacrylate	10.438	69	108774	52.374	ug/l	99
57) 1,3-Dichloropropane	10.719	76	144667	51.256	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	251677	262.508	ug/l	99
59) 2-Hexanone	10.762	43	247948	265.418	ug/l	100
60) Dibromochloromethane	10.914	129	116734	52.288	ug/l	100
61) 1,2-Dibromoethane	11.018	107	77196	50.227	ug/l	100
64) Tetrachloroethene	10.646	164	130942	59.749	ug/l	100
65) Chlorobenzene	11.444	112	336192	52.825	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	122676	54.521	ug/l	99
67) Ethyl Benzene	11.518	91	605019	54.162	ug/l	99
68) m/p-Xylenes	11.627	106	463807	109.365	ug/l	100
69) o-Xylene	11.956	106	213418	54.602	ug/l	99
70) Styrene	11.969	104	360376	55.578	ug/l	99
71) Bromoform	12.133	173	66974	53.246	ug/l	100
73) Isopropylbenzene	12.255	105	588063	53.844	ug/l	100
74) N-amyl acetate	12.072	43	117870	49.694	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	93136	48.325	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	69857m	50.000	ug/l	
77) Bromobenzene	12.536	156	130683	51.146	ug/l	98
78) n-propylbenzene	12.597	91	716292	54.002	ug/l	100
79) 2-Chlorotoluene	12.682	91	398901	52.595	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	476635	53.702	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	30476	49.588	ug/l	97
82) 4-Chlorotoluene	12.780	91	414745	52.809	ug/l	99
83) tert-Butylbenzene	12.999	119	432478	54.621	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	474618	53.858	ug/l	100
85) sec-Butylbenzene	13.176	105	643196	54.598	ug/l	99
86) p-Isopropyltoluene	13.292	119	539472	55.584	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	262434	51.598	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	256207	51.508	ug/l	100
89) n-Butylbenzene	13.621	91	499658	55.753	ug/l	99
90) Hexachloroethane	13.883	117	110330	53.287	ug/l	99
91) 1,2-Dichlorobenzene	13.663	146	227166	52.112	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	14263	49.404	ug/l	93
93) 1,2,4-Trichlorobenzene	14.925	180	127005	53.341	ug/l	98
94) Hexachlorobutadiene	15.023	225	84565	56.659	ug/l	100
95) Naphthalene	15.145	128	201527	50.069	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	105845	52.855	ug/l	97

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

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