

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061325\
 Data File : VY022693.D
 Acq On : 13 Jun 2025 13:50
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/16/2025
 Supervised By :Semsettin Yesilyurt 06/16/2025

Quant Time: Jun 14 02:04:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	136546	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	232481	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	204595	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	98612	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	85317	55.865	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.740%
35) Dibromofluoromethane	7.628	113	77262	55.679	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.360%
50) Toluene-d8	10.103	98	310709	55.415	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	110.840%
62) 4-Bromofluorobenzene	12.402	95	91965	55.050	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	110.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	53838	44.040	ug/l	95
3) Chloromethane	2.068	50	164254	45.480	ug/l	100
4) Vinyl Chloride	2.196	62	246934	58.938	ug/l	99
5) Bromomethane	2.592	94	193730	48.244	ug/l	99
6) Chloroethane	2.726	64	182353	63.411	ug/l	96
7) Trichlorofluoromethane	3.043	101	228128	64.139	ug/l	98
8) Diethyl Ether	3.452	74	43592	54.422	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.806	101	75689	50.527	ug/l	100
10) Methyl Iodide	4.001	142	83356	51.419	ug/l	99
11) Tert butyl alcohol	4.860	59	29183	267.545	ug/l #	90
12) 1,1-Dichloroethene	3.787	96	72658	50.742	ug/l	95
13) Acrolein	3.647	56	14622	107.564	ug/l	96
14) Allyl chloride	4.373	41	109103	48.535	ug/l	96
15) Acrylonitrile	5.049	53	92586	272.927	ug/l	100
16) Acetone	3.867	43	70361	226.861	ug/l	94
17) Carbon Disulfide	4.098	76	222493	48.534	ug/l	98
18) Methyl Acetate	4.379	43	52039	56.660	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	215037	53.318	ug/l	100
20) Methylene Chloride	4.604	84	98155	55.714	ug/l	98
21) trans-1,2-Dichloroethene	5.104	96	84214	52.548	ug/l	92
22) Diisopropyl ether	6.019	45	260797	52.122	ug/l	96
23) Vinyl Acetate	5.958	43	751771	253.847	ug/l	98
24) 1,1-Dichloroethane	5.909	63	159640	54.157	ug/l	98
25) 2-Butanone	6.890	43	114793	256.593	ug/l	94
26) 2,2-Dichloropropane	6.884	77	133127	51.115	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	102678	55.431	ug/l	100
28) Bromochloromethane	7.244	49	70132	54.580	ug/l	98
29) Tetrahydrofuran	7.256	42	74566	258.423	ug/l	96
30) Chloroform	7.415	83	164959	56.499	ug/l	95
31) Cyclohexane	7.695	56	130877	44.598	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	139735	53.914	ug/l	99
36) 1,1-Dichloropropene	7.835	75	114742	50.948	ug/l	99
37) Ethyl Acetate	6.982	43	51798	51.574	ug/l	99
38) Carbon Tetrachloride	7.811	117	120568	52.186	ug/l	98
39) Methylcyclohexane	9.103	83	145370	48.032	ug/l	98
40) Benzene	8.073	78	365692	54.976	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	28737	48.986	ug/l	92
42) 1,2-Dichloroethane	8.152	62	98927	54.468	ug/l	99
43) Isopropyl Acetate	8.195	43	113772	52.451	ug/l	100
44) Trichloroethene	8.866	130	88536	54.459	ug/l	99
45) 1,2-Dichloropropane	9.140	63	87216	55.479	ug/l	97
46) Dibromomethane	9.225	93	49775	56.280	ug/l	98
47) Bromodichloromethane	9.420	83	125459	55.944	ug/l	95
48) Methyl methacrylate	9.219	41	51918	50.999	ug/l	96
49) 1,4-Dioxane	9.225	88	10805	1031.233	ug/l	96
51) 4-Methyl-2-Pentanone	9.993	43	294041	271.897	ug/l	98
52) Toluene	10.164	92	230111	55.047	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	110206	52.449	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	130789	53.472	ug/l	99
55) 1,1,2-Trichloroethane	10.567	97	63733	56.513	ug/l	98
56) Ethyl methacrylate	10.439	69	88317	54.183	ug/l	98
57) 1,3-Dichloropropane	10.713	76	109926	54.995	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	188943	255.315	ug/l	100
59) 2-Hexanone	10.756	43	195754	270.655	ug/l	99
60) Dibromochloromethane	10.908	129	79775	55.663	ug/l	98
61) 1,2-Dibromoethane	11.012	107	57482	55.923	ug/l	96
64) Tetrachloroethene	10.646	164	108240	61.502	ug/l	95
65) Chlorobenzene	11.438	112	244405	53.983	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.512	131	82362	54.002	ug/l	98
67) Ethyl Benzene	11.512	91	442692	52.718	ug/l	100
68) m/p-Xylenes	11.627	106	335377	105.353	ug/l	100
69) o-Xylene	11.950	106	161263	54.031	ug/l	96
70) Styrene	11.963	104	268157	54.354	ug/l	98
71) Bromoform	12.127	173	44134	54.378	ug/l #	100
73) Isopropylbenzene	12.249	105	409228	50.547	ug/l	99
74) N-amyl acetate	12.066	43	102711	50.280	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	63520	47.804	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	45524m	40.353	ug/l	
77) Bromobenzene	12.530	156	88970	52.076	ug/l	99
78) n-propylbenzene	12.591	91	500863	50.651	ug/l	100
79) 2-Chlorotoluene	12.676	91	268179	51.170	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	329659	51.865	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	21415	45.841	ug/l	99
82) 4-Chlorotoluene	12.773	91	272019	50.313	ug/l	97
83) tert-Butylbenzene	12.993	119	288388	50.553	ug/l	100
84) 1,2,4-Trimethylbenzene	13.036	105	332885	52.364	ug/l	99
85) sec-Butylbenzene	13.170	105	442202	50.613	ug/l	99
86) p-Isopropyltoluene	13.286	119	368032	51.103	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	183450	52.997	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	179206	53.377	ug/l	99
89) n-Butylbenzene	13.615	91	355487	52.027	ug/l	99
90) Hexachloroethane	13.877	117	71880	51.268	ug/l	99
91) 1,2-Dichlorobenzene	13.651	146	156692	53.316	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.267	75	10328	53.386	ug/l	95
93) 1,2,4-Trichlorobenzene	14.913	180	88280	55.076	ug/l	95
94) Hexachlorobutadiene	15.017	225	46864	52.973	ug/l	98
95) Naphthalene	15.139	128	168240	54.696	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	76765	55.883	ug/l	99

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

