

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
 Data File : VY023111.D
 Acq On : 15 Aug 2025 08:39
 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 : Semsettin Yesilyurt 08/19/2025
 Supervised By : Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:22:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	443799	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	696916	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	607348	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	306948	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	212960	50.349	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.700%			
35) Dibromofluoromethane	7.634	113	215688	51.722	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.440%			
50) Toluene-d8	10.103	98	840812	51.612	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.220%			
62) 4-Bromofluorobenzene	12.402	95	262368	50.079	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.160%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	147210	40.637	ug/l	97
3) Chloromethane	2.068	50	288876	49.235	ug/l	97
4) Vinyl Chloride	2.202	62	388634	53.584	ug/l	99
5) Bromomethane	2.598	94	292335	53.970	ug/l	100
6) Chloroethane	2.733	64	266036	55.172	ug/l	99
7) Trichlorofluoromethane	3.050	101	435783	49.413	ug/l	97
8) Diethyl Ether	3.458	74	109033	46.730	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	214906	49.394	ug/l	98
10) Methyl Iodide	4.001	142	251096	53.482	ug/l	96
11) Tert butyl alcohol	4.866	59	59139	204.058	ug/l #	84
12) 1,1-Dichloroethene	3.793	96	209124	48.899	ug/l	94
13) Acrolein	3.647	56	67121	158.141	ug/l	99
14) Allyl chloride	4.379	41	305726	48.583	ug/l	98
15) Acrylonitrile	5.061	53	226259	238.524	ug/l	99
16) Acetone	3.866	43	257167	280.645	ug/l	99
17) Carbon Disulfide	4.104	76	674565	48.375	ug/l	100
18) Methyl Acetate	4.385	43	131808	48.336	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	536488	48.411	ug/l	99
20) Methylene Chloride	4.610	84	241025	50.654	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	243549	50.676	ug/l	99
22) Diisopropyl ether	6.012	45	696767	50.954	ug/l	94
23) Vinyl Acetate	5.958	43	1859565	245.935	ug/l	99
24) 1,1-Dichloroethane	5.915	63	429668	51.394	ug/l	99
25) 2-Butanone	6.890	43	316503	253.961	ug/l	98
26) 2,2-Dichloropropane	6.884	77	379004	52.538	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	285339	51.356	ug/l	99
28) Bromochloromethane	7.244	49	175456	52.898	ug/l	97
29) Tetrahydrofuran	7.262	42	183118	237.044	ug/l	98
30) Chloroform	7.421	83	451255	52.336	ug/l	99
31) Cyclohexane	7.701	56	375108	47.613	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	394056	51.507	ug/l	99
36) 1,1-Dichloropropene	7.835	75	317586	51.245	ug/l	99
37) Ethyl Acetate	6.982	43	125483	48.201	ug/l	100
38) Carbon Tetrachloride	7.817	117	352681	52.395	ug/l	98
39) Methylcyclohexane	9.109	83	406063	49.756	ug/l	97
40) Benzene	8.079	78	1014264	53.099	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	77838m	51.807	ug/l	
42) 1,2-Dichloroethane	8.158	62	258937	52.122	ug/l	100
43) Isopropyl Acetate	8.195	43	250740	47.653	ug/l #	85
44) Trichloroethene	8.866	130	255103	51.680	ug/l	97
45) 1,2-Dichloropropane	9.140	63	233639	53.160	ug/l	99
46) Dibromomethane	9.225	93	131880	52.280	ug/l	99
47) Bromodichloromethane	9.420	83	345709	53.260	ug/l	98
48) Methyl methacrylate	9.219	41	121834	48.387	ug/l	96
49) 1,4-Dioxane	9.225	88	28081	949.382	ug/l	96
51) 4-Methyl-2-Pentanone	10.000	43	674267	248.424	ug/l	100
52) Toluene	10.170	92	646468	53.288	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	302783	51.512	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	364333	52.418	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	175309	51.936	ug/l	98
56) Ethyl methacrylate	10.438	69	213704	49.477	ug/l	98
57) 1,3-Dichloropropane	10.713	76	293968	51.352	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	531531	260.887	ug/l	100
59) 2-Hexanone	10.756	43	471343	255.032	ug/l	98
60) Dibromochloromethane	10.908	129	231138	51.895	ug/l	100
61) 1,2-Dibromoethane	11.012	107	160069	50.454	ug/l	100
64) Tetrachloroethene	10.646	164	284630	52.484	ug/l	99
65) Chlorobenzene	11.438	112	693667	52.949	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	239263	53.813	ug/l	98
67) Ethyl Benzene	11.518	91	1219913	54.111	ug/l	99
68) m/p-Xylenes	11.627	106	953446	108.283	ug/l	99
69) o-Xylene	11.950	106	446920	54.193	ug/l	100
70) Styrene	11.969	104	752144	55.770	ug/l	99
71) Bromoform	12.127	173	128745	49.544	ug/l #	99
73) Isopropylbenzene	12.249	105	1146162	52.906	ug/l	100
74) N-amyl acetate	12.066	43	226300	49.257	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	182753	49.405	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	151552m	51.159	ug/l	
77) Bromobenzene	12.530	156	262726	50.833	ug/l	98
78) n-propylbenzene	12.591	91	1396330	54.137	ug/l	100
79) 2-Chlorotoluene	12.676	91	783125	52.993	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	943980	53.915	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	59917	48.961	ug/l	99
82) 4-Chlorotoluene	12.773	91	806542	52.611	ug/l	100
83) tert-Butylbenzene	12.993	119	825002	52.171	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	946009	54.277	ug/l	99
85) sec-Butylbenzene	13.170	105	1234484	53.143	ug/l	99
86) p-Isopropyltoluene	13.286	119	1047646	54.334	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	536529	52.641	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	520698	51.501	ug/l	99
89) n-Butylbenzene	13.615	91	955218	53.939	ug/l	98
90) Hexachloroethane	13.877	117	209441	53.061	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	460235	51.489	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	27552	47.839	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	243376	46.042	ug/l	98
94) Hexachlorobutadiene	15.017	225	144679	46.578	ug/l	99
95) Naphthalene	15.139	128	408671	45.340	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	208542	45.784	ug/l	99

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

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