

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090525\
 Data File : VY023301.D
 Acq On : 05 Sep 2025 16:11
 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 09/08/2025
 Supervised By :Semsettin Yesilyurt 09/08/2025

Quant Time: Sep 06 01:57:47 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	7.713	168	436317	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	668284	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	591213	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	317166	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	162580	39.097	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	78.200%		
35) Dibromofluoromethane	7.634	113	194864	48.731	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.460%		
50) Toluene-d8	10.103	98	765212	48.984	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.960%		
62) 4-Bromofluorobenzene	12.402	95	244917	48.750	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	97.500%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	132102	37.092	ug/l	100
3) Chloromethane	2.068	50	223381	38.725	ug/l	100
4) Vinyl Chloride	2.202	62	297903	41.778	ug/l	97
5) Bromomethane	2.599	94	235914	44.301	ug/l	100
6) Chloroethane	2.739	64	213278	44.990	ug/l	100
7) Trichlorofluoromethane	3.056	101	381425	43.991	ug/l	99
8) Diethyl Ether	3.452	74	89623	39.070	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.818	101	202676	47.381	ug/l	97
10) Methyl Iodide	4.007	142	241579	52.337	ug/l	100
11) Tert butyl alcohol	4.866	59	38293	134.395	ug/l #	71
12) 1,1-Dichloroethene	3.787	96	192865	45.871	ug/l	90
13) Acrolein	3.653	56	9238	22.138	ug/l	99
14) Allyl chloride	4.385	41	250589	40.504	ug/l	97
15) Acrylonitrile	5.061	53	145180	155.674	ug/l	98
16) Acetone	3.873	43	147168	163.357	ug/l	98
17) Carbon Disulfide	4.110	76	558561	40.743	ug/l	98
18) Methyl Acetate	4.385	43	83932	31.307	ug/l	96
19) Methyl tert-butyl Ether	5.122	73	422864	38.812	ug/l	98
20) Methylene Chloride	4.616	84	229818	49.040	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	221196	46.814	ug/l	95
22) Diisopropyl ether	6.019	45	568762	42.307	ug/l	96
23) Vinyl Acetate	5.964	43	1244463	167.408	ug/l	97
24) 1,1-Dichloroethane	5.915	63	378795	46.086	ug/l	99
25) 2-Butanone	6.896	43	183545	149.802	ug/l	93
26) 2,2-Dichloropropane	6.884	77	322600	45.486	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	259927	47.585	ug/l	94
28) Bromochloromethane	7.244	49	132475	40.625	ug/l	88
29) Tetrahydrofuran	7.262	42	108993	143.509	ug/l	94
30) Chloroform	7.421	83	404977	47.774	ug/l	96
31) Cyclohexane	7.701	56	305997	39.506	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	366943	48.785	ug/l	99
36) 1,1-Dichloropropene	7.835	75	281766	47.413	ug/l	98
37) Ethyl Acetate	6.988	43	79064	31.671	ug/l	98
38) Carbon Tetrachloride	7.823	117	330835	51.255	ug/l	98
39) Methylcyclohexane	9.110	83	356176	45.513	ug/l	95
40) Benzene	8.079	78	892710	48.738	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	38754	26.899	ug/l #	80
42) 1,2-Dichloroethane	8.158	62	196070	41.159	ug/l	98
43) Isopropyl Acetate	8.201	43	165019	32.705	ug/l	98
44) Trichloroethene	8.866	130	247506	52.289	ug/l	96
45) 1,2-Dichloropropane	9.140	63	196712	46.676	ug/l	97
46) Dibromomethane	9.231	93	102839	42.514	ug/l	96
47) Bromodichloromethane	9.420	83	298175	47.905	ug/l	99
48) Methyl methacrylate	9.219	41	79194	32.800	ug/l	93
49) 1,4-Dioxane	9.231	88	17875	630.222	ug/l	90
51) 4-Methyl-2-Pentanone	10.000	43	425236	163.385	ug/l	98
52) Toluene	10.170	92	581930	50.023	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	235216	41.732	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	300706	45.117	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	141180	43.617	ug/l	99
56) Ethyl methacrylate	10.439	69	159204	38.438	ug/l	96
57) 1,3-Dichloropropane	10.713	76	229939	41.888	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	360068	184.301	ug/l	95
59) 2-Hexanone	10.762	43	292756	165.190	ug/l	98
60) Dibromochloromethane	10.914	129	199296	46.663	ug/l	100
61) 1,2-Dibromoethane	11.012	107	125430	41.229	ug/l	99
64) Tetrachloroethene	10.646	164	311167	58.943	ug/l	98
65) Chlorobenzene	11.438	112	639771	50.168	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.518	131	222319	51.367	ug/l	99
67) Ethyl Benzene	11.518	91	1093161	49.812	ug/l	98
68) m/p-Xylenes	11.627	106	881389	102.831	ug/l	96
69) o-Xylene	11.950	106	410402	51.123	ug/l	98
70) Styrene	11.969	104	674691	51.392	ug/l	98
71) Bromoform	12.133	173	107852	42.637	ug/l #	97
73) Isopropylbenzene	12.249	105	1069171	47.762	ug/l	99
74) N-amyl acetate	12.066	43	152397	32.103	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.505	83	131169	34.317	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	111000m	36.263	ug/l	
77) Bromobenzene	12.530	156	251456	47.085	ug/l	91
78) n-propylbenzene	12.591	91	1263550	47.411	ug/l	99
79) 2-Chlorotoluene	12.676	91	719424	47.114	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	875722	48.405	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	41841	33.089	ug/l	96
82) 4-Chlorotoluene	12.774	91	733211	46.286	ug/l	97
83) tert-Butylbenzene	12.993	119	796743	48.761	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	873509	48.503	ug/l	98
85) sec-Butylbenzene	13.176	105	1159252	48.297	ug/l	99
86) p-Isopropyltoluene	13.292	119	985980	49.488	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	510985	48.520	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	493010	47.191	ug/l	98
89) n-Butylbenzene	13.615	91	871602	47.632	ug/l	99
90) Hexachloroethane	13.877	117	202953	49.761	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	434733	47.069	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	18802	31.594	ug/l	87
93) 1,2,4-Trichlorobenzene	14.919	180	255468	46.773	ug/l	99
94) Hexachlorobutadiene	15.017	225	165879	51.683	ug/l	99
95) Naphthalene	15.139	128	348202	37.387	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	212543	45.159	ug/l	98

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

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