

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102825\
 Data File : VY023598.D
 Acq On : 28 Oct 2025 09:02
 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 :Amit Patel 10/29/2025
 Supervised By :Mahesh Dadoda 10/29/2025

Quant Time: Oct 29 06:20:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	477691	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	674925	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	592275	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	309528	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	182963	45.803	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.600%		
35) Dibromofluoromethane	7.634	113	211613	51.027	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.060%		
50) Toluene-d8	10.109	98	783345	50.721	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.440%		
62) 4-Bromofluorobenzene	12.407	95	258049	50.609	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	101.220%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	152466	44.343	ug/l	95
3) Chloromethane	2.074	50	210901	45.026	ug/l	99
4) Vinyl Chloride	2.208	62	294178	48.219	ug/l	99
5) Bromomethane	2.598	94	238129	46.512	ug/l	99
6) Chloroethane	2.739	64	216348	52.024	ug/l	98
7) Trichlorofluoromethane	3.062	101	436442	51.523	ug/l	99
8) Diethyl Ether	3.458	74	106398	48.068	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	243480	55.391	ug/l	100
10) Methyl Iodide	4.007	142	293161	59.908	ug/l	100
11) Tert butyl alcohol	4.854	59	59615	200.609	ug/l	100
12) 1,1-Dichloroethene	3.793	96	224552	52.698	ug/l	95
13) Acrolein	3.653	56	20779	49.485	ug/l	97
14) Allyl chloride	4.391	41	271451	52.271	ug/l	99
15) Acrylonitrile	5.055	53	199794	235.861	ug/l	99
16) Acetone	3.866	43	234030	246.096	ug/l	98
17) Carbon Disulfide	4.110	76	599998	49.197	ug/l	99
18) Methyl Acetate	4.391	43	131050	52.534	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	501895	49.007	ug/l	96
20) Methylene Chloride	4.616	84	247852	48.199	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	253703	54.079	ug/l	97
22) Diisopropyl ether	6.024	45	626736	54.560	ug/l	99
23) Vinyl Acetate	5.964	43	1499808	241.218	ug/l	98
24) 1,1-Dichloroethane	5.915	63	423299	55.631	ug/l	99
25) 2-Butanone	6.896	43	257575	221.859	ug/l	98
26) 2,2-Dichloropropane	6.890	77	394847	56.552	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	301393	55.617	ug/l	98
28) Bromochloromethane	7.250	49	131185	46.183	ug/l	98
29) Tetrahydrofuran	7.262	42	142819	216.932	ug/l	99
30) Chloroform	7.421	83	475520	56.880	ug/l	98
31) Cyclohexane	7.701	56	335607	50.505	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	430765	56.700	ug/l	100
36) 1,1-Dichloropropene	7.841	75	317761	57.877	ug/l	100
37) Ethyl Acetate	6.988	43	102179	46.976	ug/l	98
38) Carbon Tetrachloride	7.823	117	388149	58.304	ug/l	99
39) Methylcyclohexane	9.109	83	403407	56.432	ug/l	99
40) Benzene	8.079	78	1008851	58.022	ug/l	97

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41) Methacrylonitrile	7.219	41	59689	50.739	ug/l	93
42) 1,2-Dichloroethane	8.158	62	240719	53.681	ug/l	100
43) Isopropyl Acetate	8.201	43	200983	46.339	ug/l	99
44) Trichloroethene	8.865	130	287584	56.510	ug/l	97
45) 1,2-Dichloropropane	9.146	63	219700	57.207	ug/l	99
46) Dibromomethane	9.231	93	133149	54.829	ug/l	98
47) Bromodichloromethane	9.426	83	354320	57.932	ug/l	99
48) Methyl methacrylate	9.219	41	98527	48.355	ug/l	98
49) 1,4-Dioxane	9.225	88	26009	923.749	ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	543036	242.330	ug/l	99
52) Toluene	10.170	92	670944	59.432	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	290372	54.601	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	353475	56.317	ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	179070	54.835	ug/l	95
56) Ethyl methacrylate	10.438	69	196059	52.047	ug/l	98
57) 1,3-Dichloropropane	10.719	76	283152	54.718	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	413554	245.069	ug/l	100
59) 2-Hexanone	10.761	43	382011	238.542	ug/l	100
60) Dibromochloromethane	10.914	129	254730	55.636	ug/l	100
61) 1,2-Dibromoethane	11.018	107	166958	53.608	ug/l	100
64) Tetrachloroethene	10.646	164	355189	58.080	ug/l	98
65) Chlorobenzene	11.444	112	737827	57.277	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	265838	57.911	ug/l	99
67) Ethyl Benzene	11.517	91	1254123	60.145	ug/l	100
68) m/p-Xylenes	11.627	106	1001078	119.696	ug/l	98
69) o-Xylene	11.956	106	465090	59.287	ug/l	100
70) Styrene	11.969	104	773893	59.990	ug/l	100
71) Bromoform	12.133	173	149564	52.526	ug/l #	98
73) Isopropylbenzene	12.255	105	1242443	60.909	ug/l	99
74) N-amyl acetate	12.072	43	171181	46.722	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	170217	51.020	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	127666m	46.749	ug/l	
77) Bromobenzene	12.529	156	302602	55.801	ug/l	99
78) n-propylbenzene	12.596	91	1450223	61.437	ug/l	100
79) 2-Chlorotoluene	12.682	91	819953	59.318	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	1007981	61.152	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	54323	48.780	ug/l	97
82) 4-Chlorotoluene	12.773	91	840070	59.010	ug/l	100
83) tert-Butylbenzene	12.999	119	927474	60.941	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	999176	60.739	ug/l	99
85) sec-Butylbenzene	13.176	105	1349280	61.804	ug/l	99
86) p-Isopropyltoluene	13.291	119	1147771	61.748	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	604687	57.261	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	581837	55.787	ug/l	100
89) n-Butylbenzene	13.615	91	1004621	62.027	ug/l	99
90) Hexachloroethane	13.877	117	235053	58.793	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	517601	55.907	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	24105	44.034	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	312170	54.085	ug/l	98
94) Hexachlorobutadiene	15.023	225	211839	58.878	ug/l	100
95) Naphthalene	15.145	128	437252	47.574	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	260982	52.202	ug/l	99

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

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