

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
 Data File : VY023521.D
 Acq On : 21 Oct 2025 09:05
 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 10/24/2025
 Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 01:20:49 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	499961	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	698196	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	642915	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	341616	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	203881	48.767	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.540%		
35) Dibromofluoromethane	7.640	113	231392	53.936	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	107.880%		
50) Toluene-d8	10.109	98	850239	53.217	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	106.440%		
62) 4-Bromofluorobenzene	12.408	95	283018	53.656	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	107.320%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	161266	44.813	ug/l	99
3) Chloromethane	2.074	50	225042	45.905	ug/l	98
4) Vinyl Chloride	2.208	62	302535	47.380	ug/l	98
5) Bromomethane	2.599	94	256539	47.876	ug/l	99
6) Chloroethane	2.739	64	223248	51.292	ug/l	98
7) Trichlorofluoromethane	3.062	101	441619	49.812	ug/l	100
8) Diethyl Ether	3.458	74	116040	50.089	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	245222	53.302	ug/l	100
10) Methyl Iodide	4.013	142	289234	56.473	ug/l	100
11) Tert butyl alcohol	4.848	59	86251	277.313	ug/l	97
12) 1,1-Dichloroethene	3.793	96	227578	51.029	ug/l	97
13) Acrolein	3.653	56	37204	84.654	ug/l	97
14) Allyl chloride	4.391	41	261207	48.058	ug/l	97
15) Acrylonitrile	5.062	53	233934	263.862	ug/l	99
16) Acetone	3.867	43	282507	283.840	ug/l	100
17) Carbon Disulfide	4.110	76	629852	49.345	ug/l	99
18) Methyl Acetate	4.385	43	151375	57.978	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	557973	52.056	ug/l	97
20) Methylene Chloride	4.616	84	254490	47.285	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	259786	52.909	ug/l	97
22) Diisopropyl ether	6.025	45	622406	51.770	ug/l	98
23) Vinyl Acetate	5.964	43	1615658	248.276	ug/l	96
24) 1,1-Dichloroethane	5.921	63	420141	52.756	ug/l	98
25) 2-Butanone	6.897	43	310606	255.620	ug/l	99
26) 2,2-Dichloropropane	6.890	77	391432	53.566	ug/l	99
27) cis-1,2-Dichloroethene	6.897	96	307121	54.150	ug/l	96
28) Bromochloromethane	7.250	49	134434	45.218	ug/l	95
29) Tetrahydrofuran	7.262	42	171000	248.167	ug/l	94
30) Chloroform	7.427	83	479911	54.848	ug/l	100
31) Cyclohexane	7.707	56	321670	46.252	ug/l	94
32) 1,1,1-Trichloroethane	7.622	97	429628	54.031	ug/l	100
36) 1,1-Dichloropropene	7.841	75	318835	56.137	ug/l	100
37) Ethyl Acetate	6.988	43	120965	53.760	ug/l	99
38) Carbon Tetrachloride	7.823	117	392576	57.004	ug/l	98
39) Methylcyclohexane	9.110	83	396680	53.642	ug/l	100
40) Benzene	8.085	78	1010667	56.189	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	56462	46.396	ug/l #	88
42) 1,2-Dichloroethane	8.159	62	251229	54.158	ug/l	98
43) Isopropyl Acetate	8.201	43	231909	51.687	ug/l #	85
44) Trichloroethene	8.866	130	294037	55.852	ug/l	99
45) 1,2-Dichloropropane	9.140	63	223488	56.253	ug/l	98
46) Dibromomethane	9.232	93	146935	58.489	ug/l	98
47) Bromodichloromethane	9.427	83	364567	57.621	ug/l	98
48) Methyl methacrylate	9.225	41	110852	52.590	ug/l	94
49) 1,4-Dioxane	9.225	88	30619	1051.234	ug/l	97
51) 4-Methyl-2-Pentanone	10.000	43	649884	280.345	ug/l	99
52) Toluene	10.170	92	675233	57.818	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	307992	55.984	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	366195	56.399	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	198692	58.815	ug/l	95
56) Ethyl methacrylate	10.439	69	222590	57.121	ug/l	97
57) 1,3-Dichloropropane	10.719	76	307111	57.370	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	488816	280.014	ug/l	99
59) 2-Hexanone	10.762	43	472202	285.033	ug/l	99
60) Dibromochloromethane	10.914	129	281057	59.341	ug/l	100
61) 1,2-Dibromoethane	11.018	107	187844	58.304	ug/l	100
64) Tetrachloroethene	10.646	164	369674	55.688	ug/l	99
65) Chlorobenzene	11.445	112	759409	54.309	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	280381	56.268	ug/l	99
67) Ethyl Benzene	11.518	91	1261040	55.713	ug/l	99
68) m/p-Xylenes	11.627	106	1027756	113.207	ug/l	99
69) o-Xylene	11.957	106	475420	55.830	ug/l	99
70) Styrene	11.969	104	810694	57.893	ug/l	99
71) Bromoform	12.133	173	173149	56.019	ug/l #	98
73) Isopropylbenzene	12.255	105	1243608	55.240	ug/l	100
74) N-amyl acetate	12.072	43	202085	49.976	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	195187	53.009	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	151087m	50.129	ug/l	
77) Bromobenzene	12.530	156	324603	54.235	ug/l	99
78) n-propylbenzene	12.597	91	1457896	55.961	ug/l	99
79) 2-Chlorotoluene	12.682	91	830894	54.463	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	1026971	56.451	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	61955	50.407	ug/l	99
82) 4-Chlorotoluene	12.780	91	868701	55.289	ug/l	100
83) tert-Butylbenzene	12.999	119	937982	55.842	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1024486	56.428	ug/l	100
85) sec-Butylbenzene	13.176	105	1359841	56.437	ug/l	100
86) p-Isopropyltoluene	13.292	119	1176613	57.354	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	644461	55.296	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	619278	53.800	ug/l	100
89) n-Butylbenzene	13.615	91	1006298	56.295	ug/l	99
90) Hexachloroethane	13.877	117	238499	54.052	ug/l	99
91) 1,2-Dichlorobenzene	13.658	146	558110	54.620	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	29948	49.569	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	335488	52.665	ug/l	99
94) Hexachlorobutadiene	15.023	225	215262	54.210	ug/l	100
95) Naphthalene	15.145	128	523602	51.618	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	288040	52.203	ug/l	99

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

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