

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
 Data File : VY023583.D
 Acq On : 24 Oct 2025 19:06
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 10/27/2025
 Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 23:59:03 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	507234	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	742233	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	668743	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	357296	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	196658	46.364	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.720%		
35) Dibromofluoromethane	7.640	113	228285	50.055	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.120%		
50) Toluene-d8	10.109	98	836159	49.231	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.460%		
62) 4-Bromofluorobenzene	12.402	95	281968	50.285	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	100.580%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	144801	39.661	ug/l	100
3) Chloromethane	2.074	50	200024	40.217	ug/l	99
4) Vinyl Chloride	2.208	62	273481	42.216	ug/l	100
5) Bromomethane	2.599	94	234131	43.068	ug/l	98
6) Chloroethane	2.739	64	199836	45.255	ug/l	100
7) Trichlorofluoromethane	3.062	101	404235	44.941	ug/l	100
8) Diethyl Ether	3.458	74	116883	49.730	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.818	101	226786	48.588	ug/l	98
10) Methyl Iodide	4.013	142	290920	55.987	ug/l	99
11) Tert butyl alcohol	4.860	59	76964	243.906	ug/l	100
12) 1,1-Dichloroethene	3.793	96	218291	48.245	ug/l	96
13) Acrolein	3.653	56	27293	61.212	ug/l	96
14) Allyl chloride	4.391	41	253759	46.019	ug/l	97
15) Acrylonitrile	5.061	53	227067	252.444	ug/l	99
16) Acetone	3.873	43	186647	184.839	ug/l	94
17) Carbon Disulfide	4.110	76	564814	43.615	ug/l	100
18) Methyl Acetate	4.391	43	164880	62.245	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	565049	51.960	ug/l	94
20) Methylene Chloride	4.623	84	257954	47.242	ug/l	95
21) trans-1,2-Dichloroethene	5.122	96	253815	50.951	ug/l	96
22) Diisopropyl ether	6.025	45	610636	50.063	ug/l	98
23) Vinyl Acetate	5.964	43	1480410	224.231	ug/l	97
24) 1,1-Dichloroethane	5.921	63	402141	49.772	ug/l	99
25) 2-Butanone	6.897	43	268400	217.718	ug/l	97
26) 2,2-Dichloropropane	6.890	77	353098	47.627	ug/l	98
27) cis-1,2-Dichloroethene	6.897	96	307032	53.358	ug/l	94
28) Bromochloromethane	7.250	49	132517	43.934	ug/l	96
29) Tetrahydrofuran	7.262	42	168634	241.224	ug/l	94
30) Chloroform	7.427	83	464230	52.295	ug/l	100
31) Cyclohexane	7.707	56	308332	43.698	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	413313	51.234	ug/l	99
36) 1,1-Dichloropropene	7.841	75	302655	50.126	ug/l	99
37) Ethyl Acetate	6.988	43	112306	46.950	ug/l	97
38) Carbon Tetrachloride	7.823	117	374359	51.133	ug/l	100
39) Methylcyclohexane	9.110	83	386395	49.151	ug/l	99
40) Benzene	8.085	78	989530	51.750	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	63044	48.731	ug/l	93
42) 1,2-Dichloroethane	8.159	62	246319	49.949	ug/l	98
43) Isopropyl Acetate	8.201	43	230249	48.273	ug/l	99
44) Trichloroethene	8.866	130	293471	52.437	ug/l	100
45) 1,2-Dichloropropane	9.146	63	221418	52.426	ug/l	99
46) Dibromomethane	9.231	93	142853	53.491	ug/l	98
47) Bromodichloromethane	9.427	83	358037	53.231	ug/l	98
48) Methyl methacrylate	9.225	41	110497	49.312	ug/l	92
49) 1,4-Dioxane	9.231	88	31880	1029.589	ug/l	99
51) 4-Methyl-2-Pentanone	10.000	43	631539	256.268	ug/l	98
52) Toluene	10.170	92	665485	53.602	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	303725	51.933	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	360060	52.164	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	196300	54.660	ug/l	97
56) Ethyl methacrylate	10.439	69	229792	55.470	ug/l	95
57) 1,3-Dichloropropane	10.719	76	303529	53.336	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	524417	282.585	ug/l	98
59) 2-Hexanone	10.762	43	428030	243.040	ug/l	97
60) Dibromochloromethane	10.914	129	278085	55.230	ug/l	99
61) 1,2-Dibromoethane	11.018	107	186217	54.370	ug/l	100
64) Tetrachloroethene	10.646	164	378855	54.866	ug/l	99
65) Chlorobenzene	11.445	112	763325	52.481	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	274597	52.979	ug/l	98
67) Ethyl Benzene	11.518	91	1247469	52.985	ug/l	98
68) m/p-Xylenes	11.627	106	1007740	106.715	ug/l	100
69) o-Xylene	11.957	106	478468	54.018	ug/l	98
70) Styrene	11.969	104	799488	54.888	ug/l	99
71) Bromoform	12.133	173	171092	53.216	ug/l #	100
73) Isopropylbenzene	12.255	105	1228980	52.194	ug/l	100
74) N-amyl acetate	12.072	43	191987	45.395	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	193427	50.226	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	144559m	45.858	ug/l	
77) Bromobenzene	12.530	156	321558	51.369	ug/l	99
78) n-propylbenzene	12.597	91	1429172	52.451	ug/l	100
79) 2-Chlorotoluene	12.676	91	824123	51.649	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	1008678	53.013	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	62762	48.823	ug/l	98
82) 4-Chlorotoluene	12.774	91	844797	51.408	ug/l	99
83) tert-Butylbenzene	12.993	119	932779	53.096	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	1007932	53.080	ug/l	100
85) sec-Butylbenzene	13.176	105	1323261	52.508	ug/l	100
86) p-Isopropyltoluene	13.292	119	1130580	52.691	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	621919	51.020	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	604673	50.226	ug/l	100
89) n-Butylbenzene	13.615	91	958317	51.258	ug/l	100
90) Hexachloroethane	13.877	117	233027	50.494	ug/l	98
91) 1,2-Dichlorobenzene	13.658	146	548852	51.357	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	29259	46.303	ug/l	92
93) 1,2,4-Trichlorobenzene	14.919	180	324466	48.700	ug/l	100
94) Hexachlorobutadiene	15.023	225	199621	48.065	ug/l	98
95) Naphthalene	15.145	128	517890	48.814	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	278723	48.298	ug/l	99

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

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