

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111125\
 Data File : VY023729.D
 Acq On : 11 Nov 2025 10:32
 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 11/12/2025
 Supervised By :Mahesh Dadoda 11/12/2025

Quant Time: Nov 12 03:31:05 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	607167	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	871900	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	745460	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	363998	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	233750	46.039	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.080%		
35) Dibromofluoromethane	7.640	113	262283	48.957	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.920%		
50) Toluene-d8	10.109	98	993689	49.805	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.620%		
62) 4-Bromofluorobenzene	12.408	95	321686	48.837	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	97.680%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.873	85	168275	38.504	ug/l	100
3) Chloromethane	2.074	50	234010	39.306	ug/l	99
4) Vinyl Chloride	2.208	62	312555	40.307	ug/l	98
5) Bromomethane	2.604	94	254470	39.105	ug/l	100
6) Chloroethane	2.745	64	221376	41.881	ug/l	98
7) Trichlorofluoromethane	3.068	101	491669	45.665	ug/l	100
8) Diethyl Ether	3.458	74	135262	48.077	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.824	101	282995	50.651	ug/l	99
10) Methyl Iodide	4.013	142	358290	57.604	ug/l	100
11) Tert butyl alcohol	4.866	59	70065	185.497	ug/l	99
12) 1,1-Dichloroethene	3.799	96	276880	51.122	ug/l	92
13) Acrolein	3.659	56	60678	113.689	ug/l	100
14) Allyl chloride	4.391	41	346897	52.555	ug/l	99
15) Acrylonitrile	5.067	53	259058	240.607	ug/l	99
16) Acetone	3.873	43	304395	251.831	ug/l	97
17) Carbon Disulfide	4.116	76	806216	52.009	ug/l	100
18) Methyl Acetate	4.391	43	116168	36.638	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	649636	49.906	ug/l	96
20) Methylene Chloride	4.622	84	290861	44.501	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	307052	51.493	ug/l	93
22) Diisopropyl ether	6.025	45	769608	52.711	ug/l	98
23) Vinyl Acetate	5.964	43	2113417	267.423	ug/l	99
24) 1,1-Dichloroethane	5.927	63	493214	50.997	ug/l	98
25) 2-Butanone	6.896	43	350641	237.616	ug/l	97
26) 2,2-Dichloropropane	6.890	77	474787	53.500	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	356945	51.822	ug/l	99
28) Bromochloromethane	7.250	49	175595	48.634	ug/l	96
29) Tetrahydrofuran	7.268	42	194527	232.464	ug/l	100
30) Chloroform	7.427	83	543952	51.191	ug/l	100
31) Cyclohexane	7.707	56	432361	51.191	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	500342	51.814	ug/l	99
36) 1,1-Dichloropropene	7.841	75	391364	55.179	ug/l	98
37) Ethyl Acetate	6.988	43	143259	50.983	ug/l	99
38) Carbon Tetrachloride	7.823	117	459041	53.375	ug/l	99
39) Methylcyclohexane	9.116	83	518108	56.104	ug/l	98
40) Benzene	8.085	78	1181008	52.578	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	72123	47.458	ug/l	98
42) 1,2-Dichloroethane	8.164	62	293146	50.604	ug/l	99
43) Isopropyl Acetate	8.201	43	275845	49.232	ug/l	99
44) Trichloroethene	8.872	130	337603	51.352	ug/l	99
45) 1,2-Dichloropropane	9.146	63	262143	52.838	ug/l	97
46) Dibromomethane	9.237	93	156197	49.789	ug/l	98
47) Bromodichloromethane	9.426	83	408855	51.747	ug/l	98
48) Methyl methacrylate	9.225	41	132342	50.277	ug/l	98
49) 1,4-Dioxane	9.231	88	29644	814.997	ug/l	97
51) 4-Methyl-2-Pentanone	9.999	43	722815	249.686	ug/l	99
52) Toluene	10.176	92	772167	52.946	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	352522	51.312	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	423917	52.281	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	209990	49.776	ug/l	96
56) Ethyl methacrylate	10.445	69	256657	52.741	ug/l	99
57) 1,3-Dichloropropane	10.719	76	336364	50.316	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	524432	240.566	ug/l	99
59) 2-Hexanone	10.762	43	522869	252.738	ug/l	99
60) Dibromochloromethane	10.914	129	294606	49.809	ug/l	100
61) 1,2-Dibromoethane	11.018	107	197695	49.137	ug/l	100
64) Tetrachloroethene	10.652	164	391196	50.823	ug/l	98
65) Chlorobenzene	11.444	112	841574	51.906	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	298460	51.657	ug/l	99
67) Ethyl Benzene	11.524	91	1458060	55.557	ug/l	99
68) m/p-Xylenes	11.633	106	1142823	108.565	ug/l	97
69) o-Xylene	11.956	106	536066	54.293	ug/l	98
70) Styrene	11.975	104	877387	54.037	ug/l	99
71) Bromoform	12.133	173	171978	47.987	ug/l #	99
73) Isopropylbenzene	12.255	105	1422064	59.283	ug/l	99
74) N-amyl acetate	12.072	43	234147	54.344	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	208984	53.266	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	166150m	51.737	ug/l	
77) Bromobenzene	12.536	156	345959	54.249	ug/l	98
78) n-propylbenzene	12.597	91	1653744	59.575	ug/l	99
79) 2-Chlorotoluene	12.682	91	935851	57.571	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	1137755	58.696	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	68129	52.022	ug/l	96
82) 4-Chlorotoluene	12.779	91	955395	57.068	ug/l	99
83) tert-Butylbenzene	12.999	119	1038274	58.012	ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	1125767	58.194	ug/l	98
85) sec-Butylbenzene	13.176	105	1516788	59.080	ug/l	99
86) p-Isopropyltoluene	13.292	119	1284344	58.756	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	662725	53.366	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	638753	52.080	ug/l	99
89) n-Butylbenzene	13.621	91	1121698	58.892	ug/l	100
90) Hexachloroethane	13.883	117	254198	54.068	ug/l	96
91) 1,2-Dichlorobenzene	13.663	146	566362	52.019	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	29638	46.039	ug/l	99
93) 1,2,4-Trichlorobenzene	14.925	180	335189	49.383	ug/l	100
94) Hexachlorobutadiene	15.029	225	213845	50.541	ug/l	99
95) Naphthalene	15.145	128	511247	47.301	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	274255	46.648	ug/l	100

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

