

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023663.D
 Acq On : 04 Nov 2025 10:19
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/05/2025
 Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 05 04:27:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:24:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	545914	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	804973	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	707291	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	367397	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	93111	19.995	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	40.000%#		
35) Dibromofluoromethane	7.634	113	100472	19.972	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	39.940%#		
50) Toluene-d8	10.109	98	371763	19.839	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	39.680%#		
62) 4-Bromofluorobenzene	12.402	95	121943	20.122	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	40.240%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	81455	22.731	ug/l	100
3) Chloromethane	2.074	50	106778	21.293	ug/l	100
4) Vinyl Chloride	2.208	62	138125	21.168	ug/l	98
5) Bromomethane	2.592	94	115694	21.078	ug/l	98
6) Chloroethane	2.739	64	94359	20.922	ug/l	98
7) Trichlorofluoromethane	3.056	101	193612	21.067	ug/l	96
8) Diethyl Ether	3.452	74	50730	20.585	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	102772	20.297	ug/l	99
10) Methyl Iodide	4.007	142	121925	20.392	ug/l	100
11) Tert butyl alcohol	4.854	59	29518	98.306	ug/l	99
12) 1,1-Dichloroethene	3.787	96	100782	20.662	ug/l	98
13) Acrolein	3.653	56	42967	111.331	ug/l	99
14) Allyl chloride	4.385	41	119977	20.209	ug/l	100
15) Acrylonitrile	5.061	53	97947	103.998	ug/l	100
16) Acetone	3.873	43	125071	108.051	ug/l	96
17) Carbon Disulfide	4.104	76	310907	20.768	ug/l	100
18) Methyl Acetate	4.385	43	63810	24.993	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	231292	20.450	ug/l	97
20) Methylene Chloride	4.616	84	112357	20.107	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	113402	20.620	ug/l	98
22) Diisopropyl ether	6.019	45	275900	20.856	ug/l	95
23) Vinyl Acetate	5.964	43	688746	97.564	ug/l	99
24) 1,1-Dichloroethane	5.915	63	179473	20.365	ug/l	99
25) 2-Butanone	6.896	43	141827	105.975	ug/l	97
26) 2,2-Dichloropropane	6.884	77	162022	19.986	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	125435	19.971	ug/l	99
28) Bromochloromethane	7.244	49	71844	21.291	ug/l	100
29) Tetrahydrofuran	7.262	42	74415	104.407	ug/l	97
30) Chloroform	7.421	83	200613	20.402	ug/l	98
31) Cyclohexane	7.707	56	151188	19.699	ug/l	89
32) 1,1,1-Trichloroethane	7.616	97	179118	20.382	ug/l	99
36) 1,1-Dichloropropene	7.841	75	137450	20.447	ug/l	99
37) Ethyl Acetate	6.988	43	51827	19.916	ug/l	98
38) Carbon Tetrachloride	7.817	117	161201	20.353	ug/l	99
39) Methylcyclohexane	9.109	83	172623	20.098	ug/l	98
40) Benzene	8.079	78	436191	20.586	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	27760m	19.999	ug/l	
42) 1,2-Dichloroethane	8.158	62	110796	20.669	ug/l	100
43) Isopropyl Acetate	8.201	43	98512	20.148	ug/l	99
44) Trichloroethene	8.866	130	124567	20.468	ug/l	96
45) 1,2-Dichloropropane	9.140	63	96481	20.632	ug/l	98
46) Dibromomethane	9.231	93	61391	21.188	ug/l	97
47) Bromodichloromethane	9.426	83	151710	20.767	ug/l	99
48) Methyl methacrylate	9.225	41	46988	20.341	ug/l	98
49) 1,4-Dioxane	9.231	88	11983	404.113	ug/l	97
51) 4-Methyl-2-Pentanone	9.999	43	273875	105.327	ug/l	99
52) Toluene	10.170	92	281364	20.799	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	125239	20.261	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	152830	20.637	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	80390	20.761	ug/l	96
56) Ethyl methacrylate	10.438	69	83993	19.687	ug/l	98
57) 1,3-Dichloropropane	10.719	76	128976	20.999	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	192206	98.178	ug/l	100
59) 2-Hexanone	10.762	43	203840	107.451	ug/l	99
60) Dibromochloromethane	10.914	129	110009	20.677	ug/l	98
61) 1,2-Dibromoethane	11.018	107	77174	21.237	ug/l	97
64) Tetrachloroethene	10.646	164	154270	20.955	ug/l	98
65) Chlorobenzene	11.444	112	313776	20.378	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	109560	20.122	ug/l	98
67) Ethyl Benzene	11.518	91	505466	20.283	ug/l	98
68) m/p-Xylenes	11.627	106	408699	41.048	ug/l	97
69) o-Xylene	11.956	106	186475	20.260	ug/l	100
70) Styrene	11.969	104	313946	20.674	ug/l	100
71) Bromoform	12.133	173	64954	20.426	ug/l #	98
73) Isopropylbenzene	12.255	105	484626	19.723	ug/l	99
74) N-amyl acetate	12.072	43	76905	18.486	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	76650	19.531	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	60277m	20.272	ug/l	
77) Bromobenzene	12.530	156	124926	19.600	ug/l	97
78) n-propylbenzene	12.597	91	577151	19.968	ug/l	99
79) 2-Chlorotoluene	12.676	91	336249	20.048	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	401810	20.126	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	25299	19.229	ug/l	98
82) 4-Chlorotoluene	12.780	91	350104	20.241	ug/l	100
83) tert-Butylbenzene	12.999	119	352929	19.409	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	397002	20.077	ug/l	100
85) sec-Butylbenzene	13.176	105	520106	19.831	ug/l	100
86) p-Isopropyltoluene	13.292	119	441869	19.902	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	251903	20.080	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	244807	19.866	ug/l	99
89) n-Butylbenzene	13.615	91	375842	19.467	ug/l	100
90) Hexachloroethane	13.877	117	92928	19.477	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	218655	20.225	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12260	20.289	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	122756	19.851	ug/l	99
94) Hexachlorobutadiene	15.023	225	79039	19.507	ug/l	99
95) Naphthalene	15.145	128	174378	19.694	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	102582	19.855	ug/l	98

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

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