

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
 Data File : VY022425.D
 Acq On : 27 May 2025 10:22
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 05/28/2025
 Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 10:00:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 09:30:53 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	254497	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	420045	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	364148	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	175436	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	275425	102.746	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 205.500%#			
35) Dibromofluoromethane	7.640	113	259880	105.646	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 211.300%#			
50) Toluene-d8	10.109	98	1070243	106.726	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 213.460%#			
62) 4-Bromofluorobenzene	12.408	95	321108	105.861	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 211.720%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	219107	90.239	ug/l	99
3) Chloromethane	2.074	50	476625	79.803	ug/l	99
4) Vinyl Chloride	2.208	62	657774	90.657	ug/l	97
5) Bromomethane	2.592	94	617342	93.629	ug/l	98
6) Chloroethane	2.739	64	461685	97.376	ug/l	100
7) Trichlorofluoromethane	3.056	101	604374	98.726	ug/l	99
8) Diethyl Ether	3.458	74	144974	102.707	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	266284	99.149	ug/l	99
10) Methyl Iodide	4.007	142	338872	111.841	ug/l	100
11) Tert butyl alcohol	4.872	59	96979	513.234	ug/l	99
12) 1,1-Dichloroethene	3.793	96	264638	99.249	ug/l	98
13) Acrolein	3.659	56	149071	526.536	ug/l	100
14) Allyl chloride	4.391	41	407614	101.625	ug/l	98
15) Acrylonitrile	5.068	53	299369	526.172	ug/l	99
16) Acetone	3.879	43	219178	497.574	ug/l #	88
17) Carbon Disulfide	4.110	76	851273	100.043	ug/l	100
18) Methyl Acetate	4.391	43	178729	108.317	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	735411	103.886	ug/l	99
20) Methylene Chloride	4.623	84	279934	89.995	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	296339	101.801	ug/l	97
22) Diisopropyl ether	6.025	45	906611	102.415	ug/l	99
23) Vinyl Acetate	5.964	43	2634055	518.224	ug/l	99
24) 1,1-Dichloroethane	5.921	63	540724	103.372	ug/l	99
25) 2-Butanone	6.903	43	386768	527.215	ug/l	100
26) 2,2-Dichloropropane	6.890	77	482308	101.829	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	348023	103.273	ug/l	99
28) Bromochloromethane	7.250	49	223498	102.322	ug/l	99
29) Tetrahydrofuran	7.268	42	254076	519.309	ug/l	99
30) Chloroform	7.427	83	535360	103.866	ug/l	99
31) Cyclohexane	7.707	56	481828	93.445	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	484647	103.605	ug/l	99
36) 1,1-Dichloropropene	7.841	75	405555	103.896	ug/l	99
37) Ethyl Acetate	6.988	43	174471	105.171	ug/l	99
38) Carbon Tetrachloride	7.823	117	428817	105.456	ug/l	99
39) Methylcyclohexane	9.110	83	536153	103.329	ug/l	98
40) Benzene	8.085	78	1229435	105.848	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	107407	49.194	ug/l	94
42) 1,2-Dichloroethane	8.165	62	321758	104.887	ug/l	99
43) Isopropyl Acetate	8.201	43	385296	106.287	ug/l	100
44) Trichloroethene	8.866	130	300293	104.583	ug/l	97
45) 1,2-Dichloropropane	9.146	63	286982	105.160	ug/l	98
46) Dibromomethane	9.231	93	160779	105.464	ug/l	99
47) Bromodichloromethane	9.427	83	413821	105.558	ug/l	96
48) Methyl methacrylate	9.225	41	181931	108.116	ug/l	100
49) 1,4-Dioxane	9.231	88	36343	2158.331	ug/l	96
51) 4-Methyl-2-Pentanone	10.000	43	995669	556.674	ug/l	99
52) Toluene	10.176	92	780350	107.563	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	396365	108.544	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	460876	107.411	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	204326	106.007	ug/l	97
56) Ethyl methacrylate	10.439	69	306772	110.908	ug/l	98
57) 1,3-Dichloropropane	10.719	76	359684	105.893	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	770988	559.284	ug/l	100
59) 2-Hexanone	10.762	43	660980	563.900	ug/l	98
60) Dibromochloromethane	10.914	129	268919	109.221	ug/l	99
61) 1,2-Dibromoethane	11.018	107	187723	106.485	ug/l	98
64) Tetrachloroethene	10.652	164	312696	100.828	ug/l	98
65) Chlorobenzene	11.444	112	824685	106.209	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	285811	108.640	ug/l	99
67) Ethyl Benzene	11.524	91	1560112	108.210	ug/l	98
68) m/p-Xylenes	11.633	106	1201541	219.811	ug/l	99
69) o-Xylene	11.957	106	559553	108.917	ug/l	100
70) Styrene	11.969	104	959318	112.144	ug/l	99
71) Bromoform	12.133	173	149684	108.623	ug/l #	100
73) Isopropylbenzene	12.255	105	1440314	104.314	ug/l	100
74) N-amyl acetate	12.072	43	368563	109.087	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	228832	105.191	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	178010m	61.586	ug/l	
77) Bromobenzene	12.536	156	305847	102.933	ug/l	97
78) n-propylbenzene	12.597	91	1737515	104.859	ug/l	100
79) 2-Chlorotoluene	12.682	91	934717	104.209	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	1143145	105.961	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	80556	103.668	ug/l	99
82) 4-Chlorotoluene	12.780	91	972892	105.314	ug/l	100
83) tert-Butylbenzene	12.999	119	1023704	105.025	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	1159943	106.843	ug/l	99
85) sec-Butylbenzene	13.176	105	1528524	105.741	ug/l	99
86) p-Isopropyltoluene	13.292	119	1320591	109.402	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	644184	107.749	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	599095	104.800	ug/l	99
89) n-Butylbenzene	13.621	91	1207976	106.731	ug/l	99
90) Hexachloroethane	13.883	117	251685	104.776	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	524498	105.034	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	32714	97.318	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	295471	106.731	ug/l	98
94) Hexachlorobutadiene	15.023	225	153056	105.350	ug/l	98
95) Naphthalene	15.145	128	568187	111.021	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	246652	108.638	ug/l	98

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

