

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021661.D
 Acq On : 27 Mar 2025 12:02
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 03/28/2025
 Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:18:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:08:57 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	259676	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	412304	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	367282	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	177289	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	404952	143.931	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 287.860%#			
35) Dibromofluoromethane	7.634	113	387439	144.862	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 289.720%#			
50) Toluene-d8	10.109	98	1485725	146.020	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 292.040%#			
62) 4-Bromofluorobenzene	12.408	95	503406	146.271	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 292.540%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.861	85	348314	129.414	ug/l	99
3) Chloromethane	2.068	50	501654	132.551	ug/l	100
4) Vinyl Chloride	2.202	62	555909	129.884	ug/l	99
5) Bromomethane	2.580	94	394188	135.035	ug/l	99
6) Chloroethane	2.727	64	370633	132.337	ug/l	98
7) Trichlorofluoromethane	3.050	101	712314	129.919	ug/l	99
8) Diethyl Ether	3.452	74	206844	138.727	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	368788	127.532	ug/l	99
10) Methyl Iodide	4.001	142	483364	152.366	ug/l	99
11) Tert butyl alcohol	4.860	59	126577	692.642	ug/l	97
12) 1,1-Dichloroethene	3.787	96	371412	136.361	ug/l	97
13) Acrolein	3.647	56	236449	708.604	ug/l	99
14) Allyl chloride	4.379	41	623865	143.656	ug/l	100
15) Acrylonitrile	5.055	53	439757	706.375	ug/l	99
16) Acetone	3.867	43	395370	686.626	ug/l	99
17) Carbon Disulfide	4.104	76	1209296	134.797	ug/l	99
18) Methyl Acetate	4.379	43	199951	140.110	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	1006156	148.374	ug/l	98
20) Methylene Chloride	4.616	84	400434	149.840	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	417906	139.351	ug/l	98
22) Diisopropyl ether	6.019	45	1325167	145.463	ug/l	98
23) Vinyl Acetate	5.958	43	3993494	749.332	ug/l	99
24) 1,1-Dichloroethane	5.915	63	753930	138.403	ug/l	100
25) 2-Butanone	6.890	43	603028	733.215	ug/l	99
26) 2,2-Dichloropropane	6.884	77	678134	139.949	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	490349	145.395	ug/l	99
28) Bromochloromethane	7.244	49	313542	136.480	ug/l	99
29) Tetrahydrofuran	7.262	42	379413	716.799	ug/l	98
30) Chloroform	7.421	83	779319	137.548	ug/l	98
31) Cyclohexane	7.701	56	637533	128.388	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	696016	135.918	ug/l	99
36) 1,1-Dichloropropene	7.835	75	556974	136.722	ug/l	99
37) Ethyl Acetate	6.982	43	259188	134.812	ug/l	100
38) Carbon Tetrachloride	7.817	117	627331	134.452	ug/l	98
39) Methylcyclohexane	9.110	83	679694	139.666	ug/l	99
40) Benzene	8.079	78	1695962	139.014	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	143387	140.447	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	468317	136.165	ug/l	100
43) Isopropyl Acetate	8.195	43	527316	144.731	ug/l #	87
44) Trichloroethene	8.866	130	430629	138.536	ug/l	99
45) 1,2-Dichloropropane	9.140	63	401955	139.191	ug/l	99
46) Dibromomethane	9.231	93	228287	137.167	ug/l	98
47) Bromodichloromethane	9.420	83	598421	138.764	ug/l	98
48) Methyl methacrylate	9.219	41	251339	150.306	ug/l	99
49) 1,4-Dioxane	9.225	88	53338	2991.658	ug/l	94
51) 4-Methyl-2-Pentanone	10.000	43	1397678	737.160	ug/l	100
52) Toluene	10.170	92	1094229	143.758	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	570388	148.908	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	660476	146.159	ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	296412	138.396	ug/l	99
56) Ethyl methacrylate	10.439	69	443517	162.176	ug/l	98
57) 1,3-Dichloropropane	10.719	76	517706	139.961	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	1061779	795.867	ug/l	100
59) 2-Hexanone	10.762	43	955051	756.341	ug/l	99
60) Dibromochloromethane	10.908	129	417230	142.682	ug/l	99
61) 1,2-Dibromoethane	11.018	107	283453	141.082	ug/l	98
64) Tetrachloroethene	10.646	164	421368	125.966	ug/l	98
65) Chlorobenzene	11.444	112	1182770	140.483	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	420924	140.910	ug/l	100
67) Ethyl Benzene	11.518	91	2131884	147.665	ug/l	100
68) m/p-Xylenes	11.627	106	1610305	291.277	ug/l	100
69) o-Xylene	11.957	106	764721	149.852	ug/l	98
70) Styrene	11.969	104	1300778	152.877	ug/l	99
71) Bromoform	12.133	173	244045	143.224	ug/l #	99
73) Isopropylbenzene	12.255	105	1969094	149.537	ug/l	99
74) N-amyl acetate	12.072	43	498903	161.437	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	335483	141.706	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	249855m	142.174	ug/l	
77) Bromobenzene	12.530	156	461221	145.881	ug/l	99
78) n-propylbenzene	12.597	91	2344286	148.082	ug/l	100
79) 2-Chlorotoluene	12.682	91	1343328	146.095	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	1607812	149.397	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	119086	156.137	ug/l	99
82) 4-Chlorotoluene	12.780	91	1386233	144.608	ug/l	100
83) tert-Butylbenzene	12.999	119	1444053	150.647	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	1616812	152.003	ug/l	100
85) sec-Butylbenzene	13.176	105	2052157	146.493	ug/l	99
86) p-Isopropyltoluene	13.292	119	1769866	152.863	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	898070	144.177	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	864599	140.489	ug/l	99
89) n-Butylbenzene	13.615	91	1609064	150.273	ug/l	99
90) Hexachloroethane	13.883	117	363244	143.167	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	779021	143.668	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	54066	147.345	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	472845	160.803	ug/l	99
94) Hexachlorobutadiene	15.023	225	261678	142.491	ug/l	98
95) Naphthalene	15.145	128	859499	176.342	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	400315	159.646	ug/l	100

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

