

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101025\
 Data File : VX048103.D
 Acq On : 10 Oct 2025 12:01
 Operator : JC/MD
 Sample : VX1010MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1010MBS01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

10/13/2025
 Supervised By :Mahesh
 Dadoda

Quant Time: Oct 10 22:55:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.532	168	146784	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.745	114	257712	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	239651	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	123309	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	108397	46.394	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.780%
35) Dibromofluoromethane	5.367	113	86394	49.986	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.980%
50) Toluene-d8	8.635	98	293038	48.999	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.000%
62) 4-Bromofluorobenzene	11.061	95	113417	49.970	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.940%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	27984	18.411	ug/l	98
3) Chloromethane	1.301	50	34049	17.044	ug/l	96
4) Vinyl Chloride	1.380	62	35580	18.195	ug/l	96
5) Bromomethane	1.618	94	24374	19.656	ug/l	94
6) Chloroethane	1.697	64	23239	17.781	ug/l	100
7) Trichlorofluoromethane	1.898	101	51984	17.904	ug/l	100
8) Diethyl Ether	2.136	74	19482	16.403	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.337	101	29414	17.325	ug/l	97
10) Methyl Iodide	2.453	142	36147	13.652	ug/l	99
11) Tert butyl alcohol	2.934	59	16117	61.937	ug/l	100
12) 1,1-Dichloroethene	2.325	96	29890	17.139	ug/l	95
13) Acrolein	2.233	56	18468	77.016	ug/l	98
14) Allyl chloride	2.666	41	56640	15.739	ug/l	99
15) Acrylonitrile	3.056	53	71259	73.931	ug/l	98
16) Acetone	2.374	43	65926	64.895	ug/l	100
17) Carbon Disulfide	2.514	76	90523	18.961	ug/l	100
18) Methyl Acetate	2.697	43	29318	12.968	ug/l	95
19) Methyl tert-butyl Ether	3.105	73	96530	15.163	ug/l	97
20) Methylene Chloride	2.788	84	36139	16.806	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	33005	17.579	ug/l	96
22) Diisopropyl ether	3.745	45	115655	16.583	ug/l #	81
23) Vinyl Acetate	3.709	43	441200	79.041	ug/l	98
24) 1,1-Dichloroethane	3.605	63	62724	16.921	ug/l	97
25) 2-Butanone	4.538	43	85263	67.285	ug/l	98
26) 2,2-Dichloropropane	4.465	77	51662	16.766	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	39128	17.017	ug/l	98
28) Bromochloromethane	4.879	49	36902	22.803	ug/l	98
29) Tetrahydrofuran	4.989	42	51633	67.732	ug/l	98
30) Chloroform	5.074	83	64509	17.221	ug/l	96
31) Cyclohexane	5.452	56	53099	17.199	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	55200	17.373	ug/l	99
36) 1,1-Dichloropropene	5.678	75	44108	17.465	ug/l	100
37) Ethyl Acetate	4.696	43	38084	14.084	ug/l	100
38) Carbon Tetrachloride	5.660	117	48147	17.546	ug/l	96
39) Methylcyclohexane	7.360	83	50644	17.666	ug/l	98
40) Benzene	6.019	78	134863	17.582	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	19594	14.036	ug/l	97
42) 1,2-Dichloroethane	6.068	62	49885	17.092	ug/l	99
43) Isopropyl Acetate	6.318	43	63055	14.218	ug/l	99
44) Trichloroethene	7.111	130	32675	17.619	ug/l	89
45) 1,2-Dichloropropane	7.415	63	34079	17.350	ug/l	99
46) Dibromomethane	7.562	93	24012	16.799	ug/l	98
47) Bromodichloromethane	7.806	83	50934	17.269	ug/l	96
48) Methyl methacrylate	7.677	41	31080	14.069	ug/l	98
49) 1,4-Dioxane	7.641	88	6703	300.243	ug/l	93
51) 4-Methyl-2-Pentanone	8.555	43	180448	73.385	ug/l	98
52) Toluene	8.702	92	83983	17.771	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	48813	16.225	ug/l	98
54) cis-1,3-Dichloropropene	8.348	75	55280	17.191	ug/l	97
55) 1,1,2-Trichloroethane	9.135	97	31312	17.183	ug/l	99
56) Ethyl methacrylate	9.098	69	42496	14.849	ug/l	97
57) 1,3-Dichloropropane	9.293	76	53946	17.233	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	103617	83.213	ug/l	99
59) 2-Hexanone	9.415	43	122487	69.358	ug/l	99
60) Dibromochloromethane	9.506	129	37337	17.782	ug/l	98
61) 1,2-Dibromoethane	9.592	107	32248	17.374	ug/l	99
64) Tetrachloroethene	9.256	164	28296	18.112	ug/l	98
65) Chlorobenzene	10.061	112	92563	17.001	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	31443	16.736	ug/l	97
67) Ethyl Benzene	10.177	91	155310	16.533	ug/l	99
68) m/p-Xylenes	10.287	106	116561	33.337	ug/l	98
69) o-Xylene	10.622	106	56233	16.627	ug/l	97
70) Styrene	10.640	104	96099	16.217	ug/l	100
71) Bromoform	10.781	173	22391	15.961	ug/l #	98
73) Isopropylbenzene	10.945	105	143680	15.326	ug/l	99
74) N-amyl acetate	10.823	43	54208	12.680	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	41319	14.568	ug/l	100
76) 1,2,3-Trichloropropane	11.220	75	35989m	14.415	ug/l	
77) Bromobenzene	11.183	156	35294	15.286	ug/l	98
78) n-propylbenzene	11.287	91	174949	15.787	ug/l	100
79) 2-Chlorotoluene	11.348	91	107307	15.809	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	120668	15.667	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	11897	12.152	ug/l	99
82) 4-Chlorotoluene	11.433	91	124722	15.558	ug/l	100
83) tert-Butylbenzene	11.695	119	120681	15.306	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	122626	15.704	ug/l	98
85) sec-Butylbenzene	11.872	105	146747	15.669	ug/l	99
86) p-Isopropyltoluene	11.994	119	122259	15.420	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	66051	15.401	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	67891	15.424	ug/l	98
89) n-Butylbenzene	12.317	91	112991	15.401	ug/l	98
90) Hexachloroethane	12.518	117	22273	16.000	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	62301	15.248	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.927	75	7109	12.380	ug/l	97
93) 1,2,4-Trichlorobenzene	13.567	180	37530	14.133	ug/l	100
94) Hexachlorobutadiene	13.707	225	14254	15.803	ug/l	98
95) Naphthalene	13.756	128	99283	12.279	ug/l	99
96) 1,2,3-Trichlorobenzene	13.939	180	35356	14.314	ug/l	96

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

