

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072325\
 Data File : VX047081.D
 Acq On : 23 Jul 2025 11:41
 Operator : JC/MD
 Sample : VX0723MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0723MBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/24/2025
 Supervised By : Mahesh Dadoda 07/24/2025

Quant Time: Jul 24 05:45:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	294327	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	508004	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	465640	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	233272	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	174273	47.533	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.060%		
35) Dibromofluoromethane	5.391	113	146181	46.605	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.220%		
50) Toluene-d8	8.647	98	442989	43.611	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	87.220%#		
62) 4-Bromofluorobenzene	11.079	95	202162	46.183	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.360%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	70577	18.053	ug/l	98
3) Chloromethane	1.307	50	69781	18.045	ug/l	99
4) Vinyl Chloride	1.386	62	73160	17.599	ug/l	98
5) Bromomethane	1.624	94	51435	22.778	ug/l	95
6) Chloroethane	1.703	64	45141	16.534	ug/l	97
7) Trichlorofluoromethane	1.904	101	108573	17.516	ug/l	100
8) Diethyl Ether	2.148	74	41003	18.761	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.343	101	63283	16.945	ug/l	99
10) Methyl Iodide	2.465	142	60715	15.952	ug/l	98
11) Tert butyl alcohol	2.953	59	35430	75.485	ug/l	99
12) 1,1-Dichloroethene	2.337	96	63605	17.196	ug/l	96
13) Acrolein	2.245	56	96810	122.631	ug/l	100
14) Allyl chloride	2.678	41	116967	17.494	ug/l	98
15) Acrylonitrile	3.068	53	163263	93.368	ug/l	99
16) Acetone	2.386	43	125831	85.671	ug/l	97
17) Carbon Disulfide	2.526	76	182400	17.046	ug/l	99
18) Methyl Acetate	2.715	43	71928	18.428	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	206307	18.327	ug/l	98
20) Methylene Chloride	2.800	84	72805	18.018	ug/l	97
21) trans-1,2-Dichloroethene	3.105	96	66810	17.651	ug/l	96
22) Diisopropyl ether	3.769	45	244390	19.012	ug/l	89
23) Vinyl Acetate	3.727	43	966483	93.738	ug/l	100
24) 1,1-Dichloroethane	3.623	63	128133	17.925	ug/l	99
25) 2-Butanone	4.556	43	191483	89.535	ug/l	100
26) 2,2-Dichloropropane	4.483	77	92640	16.742	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	79787	17.801	ug/l	99
28) Bromochloromethane	4.910	49	65497	19.916	ug/l	98
29) Tetrahydrofuran	5.007	42	125017	90.600	ug/l	100
30) Chloroform	5.099	83	130988	18.002	ug/l	99
31) Cyclohexane	5.483	56	113652	16.582	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	110560	17.493	ug/l	99
36) 1,1-Dichloropropene	5.702	75	91475	17.109	ug/l	98
37) Ethyl Acetate	4.721	43	81767	16.597	ug/l	98
38) Carbon Tetrachloride	5.684	117	96476	16.906	ug/l	94
39) Methylcyclohexane	7.385	83	110482	16.550	ug/l	97
40) Benzene	6.043	78	276933	17.898	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	47944	18.612	ug/l	98
42) 1,2-Dichloroethane	6.092	62	101678	18.655	ug/l	99
43) Isopropyl Acetate	6.342	43	139020	18.100	ug/l	99
44) Trichloroethene	7.129	130	65800	16.584	ug/l	100
45) 1,2-Dichloropropane	7.433	63	68865	17.770	ug/l	94
46) Dibromomethane	7.586	93	50631	18.631	ug/l	99
47) Bromodichloromethane	7.824	83	103592	17.909	ug/l	99
48) Methyl methacrylate	7.696	41	72663	17.367	ug/l	98
49) 1,4-Dioxane	7.659	88	16910	355.340	ug/l #	93
51) 4-Methyl-2-Pentanone	8.574	43	422709	92.594	ug/l	99
52) Toluene	8.720	92	170435	17.914	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	97000	17.758	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	109509	18.317	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	66050	18.512	ug/l	97
56) Ethyl methacrylate	9.116	69	96956	18.355	ug/l	99
57) 1,3-Dichloropropane	9.305	76	113249	18.263	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	272772	92.800	ug/l	99
59) 2-Hexanone	9.427	43	286672	95.046	ug/l	99
60) Dibromochloromethane	9.518	129	77276	18.467	ug/l	100
61) 1,2-Dibromoethane	9.610	107	67620	18.125	ug/l	100
64) Tetrachloroethene	9.275	164	56800	16.921	ug/l	95
65) Chlorobenzene	10.079	112	187732	17.210	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	63753	17.359	ug/l	98
67) Ethyl Benzene	10.195	91	325594	17.071	ug/l	100
68) m/p-Xylenes	10.299	106	245018	34.328	ug/l	97
69) o-Xylene	10.640	106	118088	17.391	ug/l	100
70) Styrene	10.652	104	207809	17.848	ug/l	99
71) Bromoform	10.799	173	48432	17.360	ug/l #	100
73) Isopropylbenzene	10.957	105	313411	17.030	ug/l	99
74) N-amyl acetate	10.841	43	128159	17.259	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	93244	17.737	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	75313m	17.443	ug/l	
77) Bromobenzene	11.195	156	75574	17.121	ug/l	99
78) n-propylbenzene	11.305	91	375062	17.054	ug/l	100
79) 2-Chlorotoluene	11.360	91	223093	16.970	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	262140	17.241	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	26244	15.660	ug/l	91
82) 4-Chlorotoluene	11.451	91	270068	17.600	ug/l	99
83) tert-Butylbenzene	11.713	119	261569	17.140	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	268194	17.685	ug/l	99
85) sec-Butylbenzene	11.890	105	326372	17.117	ug/l	99
86) p-Isopropyltoluene	12.006	119	276404	17.481	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	142941	17.043	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	147267	17.331	ug/l	98
89) n-Butylbenzene	12.329	91	253282	17.081	ug/l	99
90) Hexachloroethane	12.536	117	47727	16.872	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	137719	17.180	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	17228	17.073	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	91963	17.364	ug/l	99
94) Hexachlorobutadiene	13.725	225	33832	18.783	ug/l	95
95) Naphthalene	13.774	128	273619	17.623	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	88546	17.354	ug/l	99

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

