

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
 Data File : VX046335.D
 Acq On : 23 May 2025 11:23
 Operator : JC/MD
 Sample : VX0523MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0523MBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/26/2025
 Supervised By :Mahesh Dadoda 05/26/2025

Quant Time: May 23 22:58:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	83340	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	146324	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	129426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63342	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	80793	52.000	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.000%			
35) Dibromofluoromethane	5.379	113	55217	52.404	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.800%			
50) Toluene-d8	8.641	98	183386	50.285	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.560%			
62) 4-Bromofluorobenzene	11.079	95	72498	51.824	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.640%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	24012	18.824	ug/l	96
3) Chloromethane	1.301	50	22141	17.899	ug/l	97
4) Vinyl Chloride	1.374	62	20303	17.636	ug/l	100
5) Bromomethane	1.593	94	9533	17.853	ug/l	97
6) Chloroethane	1.673	64	11803	19.205	ug/l #	88
7) Trichlorofluoromethane	1.874	101	33076	19.440	ug/l	100
8) Diethyl Ether	2.136	74	11188	19.316	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	20510	19.479	ug/l	96
10) Methyl Iodide	2.447	142	22217	17.832	ug/l	99
11) Tert butyl alcohol	2.971	59	24119	110.589	ug/l	100
12) 1,1-Dichloroethene	2.313	96	18073	18.289	ug/l	96
13) Acrolein	2.233	56	22344	89.960	ug/l	96
14) Allyl chloride	2.660	41	37635	19.927	ug/l	97
15) Acrylonitrile	3.063	53	67193	107.745	ug/l	97
16) Acetone	2.380	43	65887	105.763	ug/l	100
17) Carbon Disulfide	2.502	76	35408	15.113	ug/l	98
18) Methyl Acetate	2.703	43	37022	25.610	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	72260	20.857	ug/l	99
20) Methylene Chloride	2.782	84	22554	18.892	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	18791	18.908	ug/l	94
22) Diisopropyl ether	3.758	45	77884	21.349	ug/l	97
23) Vinyl Acetate	3.715	43	329587	102.717	ug/l	100
24) 1,1-Dichloroethane	3.605	63	41400	20.374	ug/l	99
25) 2-Butanone	4.556	43	98390	108.788	ug/l	99
26) 2,2-Dichloropropane	4.471	77	30656	19.275	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	24119	20.160	ug/l	100
28) Bromochloromethane	4.891	49	22388	22.890	ug/l	96
29) Tetrahydrofuran	5.001	42	61453	108.434	ug/l	99
30) Chloroform	5.087	83	44553	21.036	ug/l	97
31) Cyclohexane	5.465	56	34494	18.629	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	37180	20.251	ug/l	99
36) 1,1-Dichloropropene	5.684	75	26465	18.693	ug/l	99
37) Ethyl Acetate	4.709	43	35825	20.482	ug/l	100
38) Carbon Tetrachloride	5.672	117	31065	19.529	ug/l	98
39) Methylcyclohexane	7.373	83	33998	18.653	ug/l	96
40) Benzene	6.032	78	82957	20.005	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	20663	22.583	ug/l	98
42) 1,2-Dichloroethane	6.080	62	37863	21.156	ug/l	98
43) Isopropyl Acetate	6.336	43	57284	21.467	ug/l	100
44) Trichloroethene	7.117	130	19078	19.115	ug/l	88
45) 1,2-Dichloropropane	7.428	63	22417	21.740	ug/l	96
46) Dibromomethane	7.574	93	17071	20.991	ug/l	99
47) Bromodichloromethane	7.818	83	33730	21.058	ug/l	98
48) Methyl methacrylate	7.690	41	29827	21.887	ug/l	99
49) 1,4-Dioxane	7.659	88	11796	455.874	ug/l	96
51) 4-Methyl-2-Pentanone	8.568	43	200509	113.201	ug/l	98
52) Toluene	8.714	92	51247	20.154	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	28285	19.867	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	31971	20.317	ug/l	90
55) 1,1,2-Trichloroethane	9.147	97	22231	22.173	ug/l	99
56) Ethyl methacrylate	9.116	69	34778	21.764	ug/l	98
57) 1,3-Dichloropropane	9.305	76	38469	21.364	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	89677	110.078	ug/l	100
59) 2-Hexanone	9.427	43	149052	113.742	ug/l	100
60) Dibromochloromethane	9.519	129	24084	21.873	ug/l	97
61) 1,2-Dibromoethane	9.604	107	21934	21.048	ug/l	97
64) Tetrachloroethene	9.269	164	17973	19.627	ug/l	96
65) Chlorobenzene	10.073	112	56685	20.010	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.159	131	20064	20.742	ug/l	98
67) Ethyl Benzene	10.189	91	101034	20.233	ug/l	100
68) m/p-Xylenes	10.299	106	73066	40.007	ug/l	96
69) o-Xylene	10.640	106	36611	20.562	ug/l	98
70) Styrene	10.653	104	61465	21.074	ug/l	99
71) Bromoform	10.799	173	14969	20.611	ug/l #	100
73) Isopropylbenzene	10.957	105	98814	20.038	ug/l	99
74) N-amyl acetate	10.842	43	49793	20.434	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	34877	20.182	ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	31782m	20.845	ug/l	
77) Bromobenzene	11.195	156	22622	19.759	ug/l	100
78) n-propylbenzene	11.299	91	111773	19.493	ug/l	99
79) 2-Chlorotoluene	11.360	91	72288	19.546	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	84521	20.516	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	8670	18.513	ug/l	97
82) 4-Chlorotoluene	11.451	91	82736	20.173	ug/l	99
83) tert-Butylbenzene	11.713	119	83458	20.111	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	84911	20.352	ug/l	99
85) sec-Butylbenzene	11.890	105	103088	20.232	ug/l	100
86) p-Isopropyltoluene	12.006	119	84901	20.187	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	41699	19.957	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	42891	20.100	ug/l	98
89) n-Butylbenzene	12.329	91	71274	19.320	ug/l	99
90) Hexachloroethane	12.536	117	14029	18.934	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	43546	20.768	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7983	20.852	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	23430	19.456	ug/l	99
94) Hexachlorobutadiene	13.725	225	10588	20.131	ug/l	98
95) Naphthalene	13.774	128	84951	19.233	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	24921	20.055	ug/l	96

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QLast Update : Tue May 06 07:12:22 2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations

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The chromatogram displays a series of peaks representing different chemical compounds. The y-axis is labeled 'Abundance' and ranges from 0 to 500,000. The x-axis is labeled 'Time-->' and ranges from 0 to 16.00 minutes. The following table lists the compounds identified in the chromatogram, along with their approximate retention times and relative abundances.

Compound	Approx. Retention Time (min)	Approx. Relative Abundance
Dichlorodifluoromethane, T	1.5	40,000
Chloroethylene, C	1.8	30,000
Bromomethane, T	2.0	40,000
Trichlorofluoromethane, T	2.2	120,000
Diethyl ether, T	2.5	100,000
Acetone, T	2.8	100,000
1,1,2-Dichloroethane, C	3.0	180,000
Methyl acetate, T	3.2	100,000
Methyl acetate, T	3.5	100,000
Tert butyl alcohol, T	3.8	100,000
Methyl acetate, T	4.0	100,000
1,1-Dichloroethane, P	4.2	180,000
Diisopropyl ether, T	4.5	180,000
2-Butanol, T	4.8	140,000
Ethyl acetate, T	5.0	140,000
Bromochloromethane, T	5.2	140,000
Chloroform, C	5.5	140,000
Cyclohexane, T	5.8	140,000
1,1,1-Trichloroethane, T	6.0	140,000
1,2-Dichloroethane, T	6.2	140,000
1,2-Dichloroethane, T	6.5	140,000
Isopropyl acetate, T	6.8	140,000
1,4-Difluorobenzene, I	7.0	140,000
Trichloroethene, TM	7.5	140,000
1,2-Dichloroethane, T	7.8	140,000
1,4-Dioxane, T	8.0	140,000
Methyl acetate, T	8.2	140,000
Bromodichloromethane, T	8.5	140,000
cis-1,3-Dichloropropene, T	8.8	140,000
2-Chloroethyl Vinyl ether, T	9.0	140,000
1,3-Dichloropropene, T	9.2	140,000
Ethyl acetate, T	9.5	140,000
1,3-Dichloropropane, T	9.8	140,000
1,2-Dichloroethane, T	10.0	140,000
1,1,1,2-Tetrachloroethane, T	10.2	140,000
1,1,1,2-Tetrachloroethane, T	10.5	140,000
1,1,1,2-Tetrachloroethane, T	10.8	140,000
1,1,1,2-Tetrachloroethane, T	11.0	140,000
1,1,1,2-Tetrachloroethane, T	11.2	140,000
1,1,1,2-Tetrachloroethane, T	11.5	140,000
1,1,1,2-Tetrachloroethane, T	11.8	140,000
1,1,1,2-Tetrachloroethane, T	12.0	140,000
1,1,1,2-Tetrachloroethane, T	12.2	140,000
1,1,1,2-Tetrachloroethane, T	12.5	140,000
1,1,1,2-Tetrachloroethane, T	12.8	140,000
1,1,1,2-Tetrachloroethane, T	13.0	140,000
1,1,1,2-Tetrachloroethane, T	13.2	140,000
1,1,1,2-Tetrachloroethane, T	13.5	140,000
1,1,1,2-Tetrachloroethane, T	13.8	140,000
1,1,1,2-Tetrachloroethane, T	14.0	140,000
1,1,1,2-Tetrachloroethane, T	14.2	140,000
1,1,1,2-Tetrachloroethane, T	14.5	140,000
1,1,1,2-Tetrachloroethane, T	14.8	140,000
1,1,1,2-Tetrachloroethane, T	15.0	140,000
1,1,1,2-Tetrachloroethane, T	15.2	140,000
1,1,1,2-Tetrachloroethane, T	15.5	140,000
1,1,1,2-Tetrachloroethane, T	15.8	140,000
1,1,1,2-Tetrachloroethane, T	16.0	140,000