

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102825\
 Data File : VX048394.D
 Acq On : 28 Oct 2025 13:15
 Operator : JC/MD
 Sample : VX1028MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1028MBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/29/2025
 Supervised By : Mahesh Dadoda 10/29/2025

Quant Time: Oct 29 01:19:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	162707	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	274194	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	243786	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	119588	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	123059	53.943	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.880%			
35) Dibromofluoromethane	5.379	113	82021	43.817	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 87.640%			
50) Toluene-d8	8.635	98	350639	53.441	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.880%			
62) 4-Bromofluorobenzene	11.067	95	128713	51.566	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.140%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	25440	15.209	ug/l	94
3) Chloromethane	1.301	50	14717	9.426	ug/l	96
4) Vinyl Chloride	1.380	62	35714	24.703	ug/l	99
5) Bromomethane	1.618	94	13453	13.711	ug/l	95
6) Chloroethane	1.697	64	22964	27.031	ug/l	98
7) Trichlorofluoromethane	1.898	101	57589	20.770	ug/l	99
8) Diethyl Ether	2.136	74	21206	27.181	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.337	101	33195	18.906	ug/l	99
10) Methyl Iodide	2.459	142	116944	52.981	ug/l	99
11) Tert butyl alcohol	2.934	59	15889	70.150	ug/l	98
12) 1,1-Dichloroethene	2.325	96	32867	19.241	ug/l	85
13) Acrolein	2.239	56	21635	93.656	ug/l	97
14) Allyl chloride	2.666	41	55493	19.567	ug/l	98
15) Acrylonitrile	3.056	53	76331	93.458	ug/l	97
16) Acetone	2.373	43	57782	73.833	ug/l	100
17) Carbon Disulfide	2.520	76	87082	16.175	ug/l	100
18) Methyl Acetate	2.703	43	33542	20.522	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	107840	18.505	ug/l	98
20) Methylene Chloride	2.794	84	36449	19.114	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	34405	18.336	ug/l	97
22) Diisopropyl ether	3.751	45	120921	21.377	ug/l	99
23) Vinyl Acetate	3.715	43	426410	94.369	ug/l	99
24) 1,1-Dichloroethane	3.605	63	66073	19.317	ug/l	99
25) 2-Butanone	4.544	43	83178	83.969	ug/l	99
26) 2,2-Dichloropropane	4.471	77	54580	17.679	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	41827	19.100	ug/l	98
28) Bromochloromethane	4.891	49	27020	19.052	ug/l	98
29) Tetrahydrofuran	4.995	42	54380	91.663	ug/l	98
30) Chloroform	5.086	83	68872	18.847	ug/l	94
31) Cyclohexane	5.458	56	56263	19.869	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	60255	17.891	ug/l	99
36) 1,1-Dichloropropene	5.684	75	46681	17.545	ug/l	100
37) Ethyl Acetate	4.702	43	40424	18.330	ug/l	99
38) Carbon Tetrachloride	5.666	117	54205	16.513	ug/l	98
39) Methylcyclohexane	7.367	83	56320	17.924	ug/l	97
40) Benzene	6.025	78	143663	18.598	ug/l	100

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41) Methacrylonitrile	4.910	41	20977	18.113	ug/l	96
42) 1,2-Dichloroethane	6.074	62	52007	18.245	ug/l	99
43) Isopropyl Acetate	6.324	43	67062	18.513	ug/l	97
44) Trichloroethene	7.110	130	36514	17.902	ug/l	98
45) 1,2-Dichloropropane	7.415	63	36351	19.793	ug/l	99
46) Dibromomethane	7.568	93	25303	17.684	ug/l	98
47) Bromodichloromethane	7.812	83	54358	17.595	ug/l	95
48) Methyl methacrylate	7.677	41	32555	17.810	ug/l	97
49) 1,4-Dioxane	7.647	88	7709	319.225	ug/l #	88
51) 4-Methyl-2-Pentanone	8.555	43	199212	95.382	ug/l	100
52) Toluene	8.702	92	90353	18.412	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	49509	16.630	ug/l	98
54) cis-1,3-Dichloropropene	8.354	75	54722	17.037	ug/l	96
55) 1,1,2-Trichloroethane	9.134	97	33264	18.227	ug/l	99
56) Ethyl methacrylate	9.104	69	48339	18.110	ug/l	98
57) 1,3-Dichloropropane	9.293	76	57388	18.410	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	121324	85.654	ug/l	98
59) 2-Hexanone	9.415	43	133225	91.479	ug/l	100
60) Dibromochloromethane	9.506	129	40722	16.602	ug/l	98
61) 1,2-Dibromoethane	9.592	107	34406	17.685	ug/l	96
64) Tetrachloroethene	9.256	164	33955	18.657	ug/l	99
65) Chlorobenzene	10.061	112	99501	18.144	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.147	131	34662	17.208	ug/l	99
67) Ethyl Benzene	10.177	91	166473	17.829	ug/l	98
68) m/p-Xylenes	10.287	106	129867	37.435	ug/l	96
69) o-Xylene	10.628	106	61252	18.288	ug/l	97
70) Styrene	10.640	104	105390	18.480	ug/l	100
71) Bromoform	10.781	173	25149	15.622	ug/l #	100
73) Isopropylbenzene	10.945	105	161687	18.511	ug/l	98
74) N-amyl acetate	10.823	43	58715	18.951	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	43108	18.072	ug/l	99
76) 1,2,3-Trichloropropane	11.226	75	36815m	18.984	ug/l	
77) Bromobenzene	11.183	156	38395	17.531	ug/l	99
78) n-propylbenzene	11.287	91	189227	18.711	ug/l	99
79) 2-Chlorotoluene	11.348	91	113569	18.522	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	133466	18.464	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	9138	11.464	ug/l #	91
82) 4-Chlorotoluene	11.439	91	134904	18.534	ug/l	98
83) tert-Butylbenzene	11.695	119	134742	18.142	ug/l	99
84) 1,2,4-Trimethylbenzene	11.738	105	132519	18.370	ug/l	98
85) sec-Butylbenzene	11.872	105	168162	18.820	ug/l	100
86) p-Isopropyltoluene	11.994	119	141405	18.309	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	72085	17.459	ug/l	98
88) 1,4-Dichlorobenzene	12.024	146	74300	17.371	ug/l	99
89) n-Butylbenzene	12.317	91	129447	18.414	ug/l	99
90) Hexachloroethane	12.518	117	23974	15.719	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	68384	17.641	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	8434	17.419	ug/l	88
93) 1,2,4-Trichlorobenzene	13.567	180	44695	17.049	ug/l	99
94) Hexachlorobutadiene	13.707	225	18764	19.142	ug/l	99
95) Naphthalene	13.756	128	118340	17.039	ug/l	99
96) 1,2,3-Trichlorobenzene	13.945	180	41905	17.420	ug/l	97

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

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