

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
 Data File : VX048248.D
 Acq On : 20 Oct 2025 18:43
 Operator : JC/MD
 Sample : VX1020MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1020MBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/21/2025
 Supervised By : Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 21 06:15:20 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	127307	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	206948	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	185916	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	94983	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	92624	51.892	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.780%			
35) Dibromofluoromethane	5.373	113	75583	53.498	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.000%			
50) Toluene-d8	8.635	98	264704	53.453	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.900%			
62) 4-Bromofluorobenzene	11.061	95	98193	52.122	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.240%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	25156	19.222	ug/l	98
3) Chloromethane	1.301	50	24149	19.769	ug/l	98
4) Vinyl Chloride	1.380	62	23243	20.547	ug/l	97
5) Bromomethane	1.618	94	16263	21.184	ug/l	91
6) Chloroethane	1.697	64	14217	21.388	ug/l	89
7) Trichlorofluoromethane	1.898	101	43898	20.234	ug/l	98
8) Diethyl Ether	2.136	74	12765	20.911	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.337	101	27468	19.994	ug/l	96
10) Methyl Iodide	2.459	142	32106	18.590	ug/l	100
11) Tert butyl alcohol	2.941	59	16982	95.824	ug/l	99
12) 1,1-Dichloroethene	2.325	96	27765	20.774	ug/l	86
13) Acrolein	2.239	56	17327	95.864	ug/l	97
14) Allyl chloride	2.666	41	44023	19.839	ug/l	97
15) Acrylonitrile	3.062	53	62921	98.461	ug/l	100
16) Acetone	2.374	43	52247	85.324	ug/l	98
17) Carbon Disulfide	2.520	76	80203	19.040	ug/l	98
18) Methyl Acetate	2.703	43	24428	19.102	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	88446	19.398	ug/l	99
20) Methylene Chloride	2.788	84	30751	20.610	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	29816	20.309	ug/l	98
22) Diisopropyl ether	3.751	45	92707	20.946	ug/l	88
23) Vinyl Acetate	3.715	43	355332	100.506	ug/l	97
24) 1,1-Dichloroethane	3.605	63	53681	20.059	ug/l	98
25) 2-Butanone	4.544	43	73164	94.398	ug/l	99
26) 2,2-Dichloropropane	4.471	77	44812	18.551	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	34789	20.304	ug/l	97
28) Bromochloromethane	4.885	49	20215	18.217	ug/l	85
29) Tetrahydrofuran	4.989	42	47039	101.337	ug/l	96
30) Chloroform	5.086	83	58220	20.362	ug/l	96
31) Cyclohexane	5.458	56	44877	20.255	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	51919	19.703	ug/l	99
36) 1,1-Dichloropropene	5.684	75	39382	19.612	ug/l	99
37) Ethyl Acetate	4.702	43	29348	17.632	ug/l	95
38) Carbon Tetrachloride	5.666	117	48230	19.468	ug/l	98
39) Methylcyclohexane	7.367	83	46883	19.769	ug/l	93
40) Benzene	6.025	78	118974	20.407	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	16801	19.221	ug/l	96
42) 1,2-Dichloroethane	6.074	62	43869	20.391	ug/l	98
43) Isopropyl Acetate	6.330	43	54080	19.780	ug/l	96
44) Trichloroethene	7.117	130	31014	20.146	ug/l	95
45) 1,2-Dichloropropane	7.415	63	28868	20.826	ug/l	97
46) Dibromomethane	7.568	93	21707	20.101	ug/l	95
47) Bromodichloromethane	7.805	83	46842	20.089	ug/l	99
48) Methyl methacrylate	7.677	41	26501	19.209	ug/l	93
49) 1,4-Dioxane	7.647	88	7187	394.314	ug/l	90
51) 4-Methyl-2-Pentanone	8.555	43	159023	100.880	ug/l	96
52) Toluene	8.702	92	76649	20.695	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	44929	19.995	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	48910	20.175	ug/l	95
55) 1,1,2-Trichloroethane	9.135	97	28421	20.634	ug/l	97
56) Ethyl methacrylate	9.104	69	39958	19.834	ug/l	95
57) 1,3-Dichloropropane	9.293	76	47922	20.369	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	90460	84.637	ug/l	96
59) 2-Hexanone	9.415	43	110213	100.269	ug/l	97
60) Dibromochloromethane	9.506	129	37774	20.404	ug/l	98
61) 1,2-Dibromoethane	9.598	107	29974	20.413	ug/l	98
64) Tetrachloroethene	9.256	164	27388	19.733	ug/l	94
65) Chlorobenzene	10.061	112	86692	20.729	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.147	131	30126	19.612	ug/l	99
67) Ethyl Benzene	10.177	91	145182	20.389	ug/l	99
68) m/p-Xylenes	10.287	106	109436	41.365	ug/l	100
69) o-Xylene	10.622	106	51723	20.250	ug/l	100
70) Styrene	10.640	104	91320	20.997	ug/l	99
71) Bromoform	10.781	173	24622	20.055	ug/l #	100
73) Isopropylbenzene	10.945	105	139434	20.098	ug/l	99
74) N-amyl acetate	10.823	43	47112	19.145	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.195	83	38399	20.268	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	33959m	22.047	ug/l	
77) Bromobenzene	11.183	156	34989	20.114	ug/l	92
78) n-propylbenzene	11.287	91	160201	19.944	ug/l	97
79) 2-Chlorotoluene	11.348	91	98710	20.269	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	115769	20.165	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	11183	17.664	ug/l	97
82) 4-Chlorotoluene	11.439	91	116299	20.117	ug/l	98
83) tert-Butylbenzene	11.695	119	117204	19.869	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	115888	20.226	ug/l	99
85) sec-Butylbenzene	11.872	105	141697	19.966	ug/l	100
86) p-Isopropyltoluene	11.994	119	121684	19.837	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	65628	20.013	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	66041	19.440	ug/l	99
89) n-Butylbenzene	12.317	91	107287	19.215	ug/l	100
90) Hexachloroethane	12.518	117	23279	19.217	ug/l	94
91) 1,2-Dichlorobenzene	12.317	146	60965	19.801	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.920	75	7084	18.421	ug/l	95
93) 1,2,4-Trichlorobenzene	13.567	180	37503	18.012	ug/l	98
94) Hexachlorobutadiene	13.707	225	15146	19.453	ug/l	98
95) Naphthalene	13.756	128	104083	18.868	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	35962	18.822	ug/l	99

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

