

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102325\
 Data File : VX048322.D
 Acq On : 23 Oct 2025 14:04
 Operator : JC/MD
 Sample : VX1023MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1023MBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/24/2025
 Supervised By : Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 05:44:32 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	5.537	168	148510	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	256401	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	228907	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	112100	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	107749	51.747	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.500%			
35) Dibromofluoromethane	5.379	113	68605	39.193	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 78.380%			
50) Toluene-d8	8.634	98	294704	48.033	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.060%			
62) 4-Bromofluorobenzene	11.061	95	111633	47.827	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.660%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	26604	17.426	ug/l	99
3) Chloromethane	1.300	50	12513	8.781	ug/l	99
4) Vinyl Chloride	1.380	62	34711	26.304	ug/l	98
5) Bromomethane	1.617	94	12837	14.334	ug/l	100
6) Chloroethane	1.697	64	21304	27.474	ug/l	96
7) Trichlorofluoromethane	1.898	101	57147	22.581	ug/l	96
8) Diethyl Ether	2.136	74	20391	28.635	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.337	101	32808	20.472	ug/l	100
10) Methyl Iodide	2.459	142	110882	55.037	ug/l	100
11) Tert butyl alcohol	2.940	59	16758	81.059	ug/l	99
12) 1,1-Dichloroethene	2.325	96	31531	20.223	ug/l	98
13) Acrolein	2.233	56	24806	117.648	ug/l	98
14) Allyl chloride	2.666	41	54088	20.895	ug/l	95
15) Acrylonitrile	3.056	53	72502	97.256	ug/l	98
16) Acetone	2.373	43	50013	70.015	ug/l	97
17) Carbon Disulfide	2.520	76	86461	17.595	ug/l	98
18) Methyl Acetate	2.703	43	31148	20.880	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	107093	20.134	ug/l	100
20) Methylene Chloride	2.788	84	34176	19.635	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	33778	19.723	ug/l	97
22) Diisopropyl ether	3.751	45	119166	23.081	ug/l	97
23) Vinyl Acetate	3.715	43	422354	102.407	ug/l	99
24) 1,1-Dichloroethane	3.605	63	65393	20.946	ug/l	99
25) 2-Butanone	4.538	43	78779	87.131	ug/l	100
26) 2,2-Dichloropropane	4.471	77	56945	20.209	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	41247	20.636	ug/l	98
28) Bromochloromethane	4.891	49	28549	22.055	ug/l	99
29) Tetrahydrofuran	4.983	42	53111	98.082	ug/l	97
30) Chloroform	5.086	83	69020	20.693	ug/l	95
31) Cyclohexane	5.458	56	55648	21.530	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	61903	20.138	ug/l	98
36) 1,1-Dichloropropene	5.678	75	47055	18.913	ug/l	98
37) Ethyl Acetate	4.696	43	40533	19.655	ug/l #	96
38) Carbon Tetrachloride	5.665	117	51874	16.900	ug/l	93
39) Methylcyclohexane	7.366	83	53718	18.282	ug/l	99
40) Benzene	6.025	78	137891	19.090	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.903	41	21081	19.466	ug/l	96
42) 1,2-Dichloroethane	6.074	62	53095	19.920	ug/l	99
43) Isopropyl Acetate	6.324	43	69818	20.611	ug/l	99
44) Trichloroethene	7.110	130	36149	18.953	ug/l	99
45) 1,2-Dichloropropane	7.415	63	34453	20.061	ug/l	100
46) Dibromomethane	7.568	93	25235	18.861	ug/l	99
47) Bromodichloromethane	7.805	83	52696	18.241	ug/l	97
48) Methyl methacrylate	7.677	41	33827	19.790	ug/l	97
49) 1,4-Dioxane	7.641	88	7608	336.905	ug/l	93
51) 4-Methyl-2-Pentanone	8.555	43	195806	100.257	ug/l	100
52) Toluene	8.702	92	88187	19.218	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	50139	18.010	ug/l	98
54) cis-1,3-Dichloropropene	8.354	75	53613	17.850	ug/l	97
55) 1,1,2-Trichloroethane	9.134	97	31685	18.567	ug/l	99
56) Ethyl methacrylate	9.104	69	46994	18.827	ug/l	96
57) 1,3-Dichloropropane	9.293	76	57650	19.777	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	116734	88.084	ug/l	100
59) 2-Hexanone	9.415	43	130253	95.645	ug/l	99
60) Dibromochloromethane	9.506	129	38918	16.968	ug/l	99
61) 1,2-Dibromoethane	9.592	107	33220	18.260	ug/l	98
64) Tetrachloroethene	9.256	164	33701	19.722	ug/l	98
65) Chlorobenzene	10.061	112	97399	18.915	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.146	131	32977	17.436	ug/l	98
67) Ethyl Benzene	10.177	91	169050	19.282	ug/l	100
68) m/p-Xylenes	10.287	106	127301	39.081	ug/l	100
69) o-Xylene	10.622	106	60595	19.268	ug/l	99
70) Styrene	10.640	104	104970	19.603	ug/l	99
71) Bromoform	10.780	173	23388	15.472	ug/l #	99
73) Isopropylbenzene	10.945	105	160038	19.546	ug/l	99
74) N-amyl acetate	10.823	43	62019	21.354	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	40861	18.274	ug/l	98
76) 1,2,3-Trichloropropane	11.219	75	36759m	20.221	ug/l	
77) Bromobenzene	11.183	156	39069	19.030	ug/l	99
78) n-propylbenzene	11.286	91	192019	20.255	ug/l	100
79) 2-Chlorotoluene	11.347	91	112688	19.606	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	131829	19.456	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	8584	11.488	ug/l #	71
82) 4-Chlorotoluene	11.439	91	135097	19.800	ug/l	99
83) tert-Butylbenzene	11.695	119	130839	18.794	ug/l	99
84) 1,2,4-Trimethylbenzene	11.731	105	132868	19.649	ug/l	100
85) sec-Butylbenzene	11.872	105	160291	19.137	ug/l	100
86) p-Isopropyltoluene	11.994	119	136680	18.879	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	73026	18.868	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	74147	18.493	ug/l	98
89) n-Butylbenzene	12.317	91	124593	18.908	ug/l	99
90) Hexachloroethane	12.518	117	21276	14.882	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	68315	18.800	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.926	75	8314	18.318	ug/l	91
93) 1,2,4-Trichlorobenzene	13.567	180	44794	18.228	ug/l	100
94) Hexachlorobutadiene	13.707	225	16005	17.424	ug/l	99
95) Naphthalene	13.756	128	124458	19.116	ug/l	100
96) 1,2,3-Trichlorobenzene	13.944	180	40820	18.102	ug/l	98

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

