

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX063025\
 Data File : VX046837.D
 Acq On : 30 Jun 2025 13:27
 Operator : JC/MD
 Sample : VX0630MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0630MBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/01/2025
 Supervised By : Mahesh Dadoda 07/01/2025

Quant Time: Jul 01 05:29:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	137702	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	226180	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	207163	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	106394	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	93264	48.966	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.940%		
35) Dibromofluoromethane	5.391	113	78072	52.170	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.340%		
50) Toluene-d8	8.646	98	277511	51.616	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.240%		
62) 4-Bromofluorobenzene	11.079	95	108209	53.992	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	107.980%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.184	85	26007	17.690	ug/l	98
3) Chloromethane	1.306	50	27332	17.224	ug/l	94
4) Vinyl Chloride	1.386	62	29124	17.211	ug/l	94
5) Bromomethane	1.629	94	21493	22.576	ug/l	100
6) Chloroethane	1.703	64	19137	18.659	ug/l	96
7) Trichlorofluoromethane	1.904	101	46369	18.047	ug/l	98
8) Diethyl Ether	2.148	74	17027	19.310	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.349	101	29167	18.504	ug/l	100
10) Methyl Iodide	2.465	142	29782	18.119	ug/l	98
11) Tert butyl alcohol	2.952	59	13371	78.214	ug/l	100
12) 1,1-Dichloroethene	2.337	96	27776	18.262	ug/l	97
13) Acrolein	2.245	56	20339	81.680	ug/l	99
14) Allyl chloride	2.678	41	50572	18.351	ug/l	98
15) Acrylonitrile	3.068	53	71252	92.690	ug/l	99
16) Acetone	2.385	43	53988	84.999	ug/l	99
17) Carbon Disulfide	2.526	76	70344	15.315	ug/l	98
18) Methyl Acetate	2.709	43	31815	19.722	ug/l	96
19) Methyl tert-butyl Ether	3.123	73	88150	18.613	ug/l	99
20) Methylene Chloride	2.800	84	33279	18.841	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	29582	18.177	ug/l	95
22) Diisopropyl ether	3.763	45	106176	20.045	ug/l	88
23) Vinyl Acetate	3.727	43	400395	95.057	ug/l	99
24) 1,1-Dichloroethane	3.623	63	56639	18.833	ug/l	98
25) 2-Butanone	4.562	43	80047	89.109	ug/l	97
26) 2,2-Dichloropropane	4.489	77	39523	18.019	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	36598	19.141	ug/l	99
28) Bromochloromethane	4.909	49	29668	21.759	ug/l	99
29) Tetrahydrofuran	5.013	42	52330	90.189	ug/l	99
30) Chloroform	5.104	83	58638	19.496	ug/l	95
31) Cyclohexane	5.482	56	52545	18.424	ug/l	96
32) 1,1,1-Trichloroethane	5.391	97	47478	17.999	ug/l	99
36) 1,1-Dichloropropene	5.702	75	39349	18.215	ug/l	98
37) Ethyl Acetate	4.720	43	33606	16.854	ug/l	97
38) Carbon Tetrachloride	5.684	117	40994	17.486	ug/l	98
39) Methylcyclohexane	7.385	83	50779	17.863	ug/l	99
40) Benzene	6.043	78	123977	19.392	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	20950	19.708	ug/l	93
42) 1,2-Dichloroethane	6.092	62	43347	19.295	ug/l	98
43) Isopropyl Acetate	6.342	43	57243	18.346	ug/l	99
44) Trichloroethene	7.128	130	30899	18.965	ug/l	99
45) 1,2-Dichloropropane	7.433	63	31454	19.852	ug/l	100
46) Dibromomethane	7.586	93	21783	19.130	ug/l	96
47) Bromodichloromethane	7.823	83	44658	19.218	ug/l	99
48) Methyl methacrylate	7.695	41	30121	19.248	ug/l	98
49) 1,4-Dioxane	7.659	88	7795	360.961	ug/l	96
51) 4-Methyl-2-Pentanone	8.573	43	175669	94.396	ug/l	99
52) Toluene	8.720	92	78252	19.744	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	41279	19.146	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	48329	19.746	ug/l	97
55) 1,1,2-Trichloroethane	9.152	97	30258	20.486	ug/l	97
56) Ethyl methacrylate	9.116	69	42701	19.585	ug/l	99
57) 1,3-Dichloropropane	9.305	76	51173	20.119	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	109495	96.678	ug/l	99
59) 2-Hexanone	9.427	43	118830	92.362	ug/l	100
60) Dibromochloromethane	9.518	129	34187	19.641	ug/l	100
61) 1,2-Dibromoethane	9.610	107	30610	20.374	ug/l	98
64) Tetrachloroethene	9.274	164	26927	18.761	ug/l	97
65) Chlorobenzene	10.079	112	88423	19.336	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.158	131	29283	19.053	ug/l	98
67) Ethyl Benzene	10.195	91	150052	18.779	ug/l	100
68) m/p-Xylenes	10.299	106	113990	38.287	ug/l	99
69) o-Xylene	10.640	106	55138	19.761	ug/l	98
70) Styrene	10.652	104	96717	19.807	ug/l	99
71) Bromoform	10.799	173	21050	17.984	ug/l #	98
73) Isopropylbenzene	10.963	105	145152	18.524	ug/l	99
74) N-amyl acetate	10.841	43	52349	17.633	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	41330	18.890	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	32532m	16.695	ug/l	
77) Bromobenzene	11.195	156	37338	19.801	ug/l	96
78) n-propylbenzene	11.298	91	173305	18.621	ug/l	100
79) 2-Chlorotoluene	11.359	91	102970	18.530	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	121630	18.889	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	11099	16.100	ug/l	95
82) 4-Chlorotoluene	11.451	91	121269	18.699	ug/l	99
83) tert-Butylbenzene	11.713	119	122296	18.373	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	123518	19.092	ug/l	100
85) sec-Butylbenzene	11.890	105	154708	18.391	ug/l	100
86) p-Isopropyltoluene	12.006	119	131214	18.487	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	69347	18.862	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	70444	18.654	ug/l	98
89) n-Butylbenzene	12.329	91	119678	17.759	ug/l	100
90) Hexachloroethane	12.536	117	20638	16.605	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	66370	19.317	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	6937	16.060	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	44645	18.277	ug/l	98
94) Hexachlorobutadiene	13.725	225	17880	17.401	ug/l	96
95) Naphthalene	13.774	128	126149	18.127	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	43395	18.570	ug/l	98

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

