

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
 Data File : VX046520.D
 Acq On : 06 Jun 2025 10:40
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/06/2025
 Supervised By : Mahesh Dadoda 06/09/2025

Quant Time: Jun 06 16:41:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:38:39 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.568	168	90114	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	156192	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	136564	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	68831	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	78706	49.092	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.180%		
35) Dibromofluoromethane	5.403	113	57416	49.986	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.980%		
50) Toluene-d8	8.653	98	185557	49.000	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.000%		
62) 4-Bromofluorobenzene	11.079	95	76988	49.137	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	98.280%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.185	85	58145	46.477	ug/l	95
3) Chloromethane	1.307	50	51612	45.324	ug/l	96
4) Vinyl Chloride	1.386	62	53673	47.282	ug/l	100
5) Bromomethane	1.624	94	35883	52.070	ug/l	96
6) Chloroethane	1.703	64	33654	45.694	ug/l	96
7) Trichlorofluoromethane	1.904	101	92019	48.994	ug/l	95
8) Diethyl Ether	2.154	74	32101	48.374	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.349	101	57448	48.549	ug/l	98
10) Methyl Iodide	2.471	142	64524	50.302	ug/l	100
11) Tert butyl alcohol	2.971	59	44039	247.552	ug/l	100
12) 1,1-Dichloroethene	2.337	96	51110	47.772	ug/l	99
13) Acrolein	2.251	56	50652	237.168	ug/l	98
14) Allyl chloride	2.684	41	101836	48.466	ug/l	96
15) Acrylonitrile	3.081	53	170615	253.656	ug/l	99
16) Acetone	2.392	43	153142	243.373	ug/l	100
17) Carbon Disulfide	2.532	76	109794	48.339	ug/l	100
18) Methyl Acetate	2.721	43	101867	53.343	ug/l	100
19) Methyl tert-butyl Ether	3.135	73	190602	50.914	ug/l	99
20) Methylene Chloride	2.806	84	59622	46.355	ug/l	94
21) trans-1,2-Dichloroethene	3.111	96	52474	46.346	ug/l	95
22) Diisopropyl ether	3.782	45	211118	50.963	ug/l #	80
23) Vinyl Acetate	3.739	43	823688	257.541	ug/l	100
24) 1,1-Dichloroethane	3.629	63	113435	49.132	ug/l	97
25) 2-Butanone	4.574	43	226668	253.975	ug/l	98
26) 2,2-Dichloropropane	4.495	77	87040	50.783	ug/l	100
27) cis-1,2-Dichloroethene	4.507	96	66760	47.898	ug/l	99
28) Bromochloromethane	4.916	49	53158	48.273	ug/l	100
29) Tetrahydrofuran	5.019	42	142276	252.427	ug/l	99
30) Chloroform	5.111	83	118738	49.084	ug/l	99
31) Cyclohexane	5.489	56	89669	48.110	ug/l	99
32) 1,1,1-Trichloroethane	5.397	97	102837	49.696	ug/l	98
36) 1,1-Dichloropropene	5.714	75	75745	46.165	ug/l	99
37) Ethyl Acetate	4.733	43	86522	54.042	ug/l	98
38) Carbon Tetrachloride	5.696	117	88063	47.920	ug/l	99
39) Methylcyclohexane	7.391	83	89357	46.141	ug/l	97
40) Benzene	6.056	78	222898	48.257	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	50437	50.720	ug/l	96
42) 1,2-Dichloroethane	6.098	62	95292	49.590	ug/l	99
43) Isopropyl Acetate	6.354	43	144198	51.653	ug/l	99
44) Trichloroethene	7.135	130	54791	46.686	ug/l	98
45) 1,2-Dichloropropane	7.440	63	59497	49.904	ug/l	99
46) Dibromomethane	7.586	93	43598	48.609	ug/l	98
47) Bromodichloromethane	7.830	83	94149	51.052	ug/l	98
48) Methyl methacrylate	7.702	41	75100	52.285	ug/l	97
49) 1,4-Dioxane	7.671	88	19805	1031.079	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	462924	260.948	ug/l	100
52) Toluene	8.720	92	138129	48.677	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	84697	51.223	ug/l	100
54) cis-1,3-Dichloropropene	8.372	75	92087	50.089	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	57143	50.162	ug/l	97
56) Ethyl methacrylate	9.116	69	91058	51.943	ug/l	97
57) 1,3-Dichloropropane	9.311	76	99273	49.312	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	246532	258.184	ug/l	100
59) 2-Hexanone	9.433	43	333019	261.746	ug/l	99
60) Dibromochloromethane	9.525	129	67410	50.307	ug/l	99
61) 1,2-Dibromoethane	9.610	107	57774	48.669	ug/l	98
64) Tetrachloroethene	9.275	164	42288	46.308	ug/l	96
65) Chlorobenzene	10.079	112	153710	47.857	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	54990	50.666	ug/l	99
67) Ethyl Benzene	10.195	91	275626	49.157	ug/l	100
68) m/p-Xylenes	10.299	106	201325	98.982	ug/l	99
69) o-Xylene	10.640	106	97769	49.696	ug/l	97
70) Styrene	10.658	104	171642	50.968	ug/l	99
71) Bromoform	10.799	173	42521	51.382	ug/l #	98
73) Isopropylbenzene	10.963	105	269074	49.729	ug/l	99
74) N-amyl acetate	10.841	43	124077	52.072	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	86539	49.967	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	72182m	48.702	ug/l	
77) Bromobenzene	11.195	156	60653	48.295	ug/l	100
78) n-propylbenzene	11.305	91	323032	49.325	ug/l	100
79) 2-Chlorotoluene	11.366	91	191732	48.549	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	223189	49.500	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	25456	50.367	ug/l	98
82) 4-Chlorotoluene	11.451	91	226629	48.414	ug/l	99
83) tert-Butylbenzene	11.713	119	226214	49.285	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	224100	49.131	ug/l	100
85) sec-Butylbenzene	11.890	105	287196	48.696	ug/l	99
86) p-Isopropyltoluene	12.006	119	239809	48.775	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	115889	47.520	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	115263	45.612	ug/l	99
89) n-Butylbenzene	12.329	91	230830	47.808	ug/l	99
90) Hexachloroethane	12.536	117	41969	48.027	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	112815	47.923	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19603	50.545	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	74109	46.149	ug/l	99
94) Hexachlorobutadiene	13.725	225	34506	46.237	ug/l	98
95) Naphthalene	13.774	128	256456	50.359	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	75172	46.684	ug/l	99

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

