

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060325\
 Data File : VX046460.D
 Acq On : 03 Jun 2025 10:10
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/04/2025
 Supervised By : Mahesh Dadoda 06/04/2025

Quant Time: Jun 04 01:21:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	97221	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	166757	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	142113	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69603	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	83472	46.053	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.100%		
35) Dibromofluoromethane	5.379	113	58765	48.937	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.880%		
50) Toluene-d8	8.641	98	191895	46.171	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.340%		
62) 4-Bromofluorobenzene	11.079	95	76697	48.108	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.220%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	71992	48.381	ug/l	96
3) Chloromethane	1.301	50	71578	49.603	ug/l	100
4) Vinyl Chloride	1.374	62	65400	48.697	ug/l	100
5) Bromomethane	1.593	94	28400	45.593	ug/l	98
6) Chloroethane	1.666	64	36039	50.267	ug/l	99
7) Trichlorofluoromethane	1.874	101	99535	50.148	ug/l	100
8) Diethyl Ether	2.130	74	33963	50.265	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	62523	50.901	ug/l	99
10) Methyl Iodide	2.447	142	74693	51.391	ug/l	99
11) Tert butyl alcohol	2.971	59	60143	236.391	ug/l	100
12) 1,1-Dichloroethene	2.313	96	57843	50.176	ug/l	96
13) Acrolein	2.233	56	48798	168.416	ug/l	98
14) Allyl chloride	2.654	41	116985	53.097	ug/l	98
15) Acrylonitrile	3.056	53	186943	256.965	ug/l	99
16) Acetone	2.380	43	215550	296.602	ug/l	99
17) Carbon Disulfide	2.502	76	123668	45.249	ug/l	99
18) Methyl Acetate	2.703	43	106195	62.971	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	212708	52.629	ug/l	100
20) Methylene Chloride	2.782	84	67564	48.515	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	58500	50.461	ug/l	99
22) Diisopropyl ether	3.758	45	227076	53.357	ug/l	94
23) Vinyl Acetate	3.715	43	941542	251.538	ug/l	99
24) 1,1-Dichloroethane	3.599	63	123119	51.940	ug/l	99
25) 2-Butanone	4.550	43	278637	264.096	ug/l	99
26) 2,2-Dichloropropane	4.465	77	96338	51.925	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	72243	51.764	ug/l	99
28) Bromochloromethane	4.885	49	54439	47.712	ug/l	99
29) Tetrahydrofuran	4.995	42	166146	251.308	ug/l	100
30) Chloroform	5.080	83	126054	51.020	ug/l	95
31) Cyclohexane	5.458	56	106868	49.475	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	109132	50.955	ug/l	99
36) 1,1-Dichloropropene	5.678	75	81293	50.385	ug/l	98
37) Ethyl Acetate	4.709	43	98903	49.615	ug/l	100
38) Carbon Tetrachloride	5.666	117	91791	50.634	ug/l	99
39) Methylcyclohexane	7.373	83	106672	51.355	ug/l	98
40) Benzene	6.025	78	244281	51.690	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	58928	56.511	ug/l	99
42) 1,2-Dichloroethane	6.080	62	105576	51.762	ug/l	100
43) Isopropyl Acetate	6.330	43	160957	52.928	ug/l	100
44) Trichloroethene	7.117	130	58531	51.459	ug/l	94
45) 1,2-Dichloropropane	7.422	63	63306	53.872	ug/l	98
46) Dibromomethane	7.574	93	47187	50.912	ug/l	99
47) Bromodichloromethane	7.812	83	97879	53.619	ug/l	97
48) Methyl methacrylate	7.690	41	83841	53.984	ug/l	99
49) 1,4-Dioxane	7.653	88	27329	926.756	ug/l	98
51) 4-Methyl-2-Pentanone	8.568	43	526838	260.992	ug/l	99
52) Toluene	8.714	92	149333	51.533	ug/l	98
53) t-1,3-Dichloropropene	8.970	75	87793	54.108	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	97218	54.211	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	59472	52.048	ug/l	98
56) Ethyl methacrylate	9.110	69	99973	54.897	ug/l	98
57) 1,3-Dichloropropane	9.305	76	106135	51.721	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	241312	259.915	ug/l	99
59) 2-Hexanone	9.427	43	398970	267.150	ug/l	100
60) Dibromochloromethane	9.519	129	67274	53.611	ug/l	100
61) 1,2-Dibromoethane	9.604	107	61399	51.700	ug/l	98
64) Tetrachloroethene	9.269	164	53715	53.421	ug/l	97
65) Chlorobenzene	10.073	112	160933	51.739	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	57122	53.780	ug/l	99
67) Ethyl Benzene	10.189	91	297648	54.286	ug/l	100
68) m/p-Xylenes	10.299	106	214306	106.866	ug/l	99
69) o-Xylene	10.640	106	106129	54.285	ug/l	97
70) Styrene	10.653	104	178562	55.756	ug/l	99
71) Bromoform	10.799	173	42440	53.221	ug/l #	97
73) Isopropylbenzene	10.957	105	284040	52.417	ug/l	99
74) N-amyl acetate	10.842	43	141380	52.800	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	92189	48.548	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	83887m	50.070	ug/l	
77) Bromobenzene	11.195	156	63843	50.748	ug/l	99
78) n-propylbenzene	11.299	91	332789	52.818	ug/l	100
79) 2-Chlorotoluene	11.360	91	201843	49.667	ug/l	99
80) 1,3,5-Trimethylbenzene	11.445	105	238098	52.595	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.012	75	26522	51.539	ug/l	99
82) 4-Chlorotoluene	11.451	91	234790	52.097	ug/l	100
83) tert-Butylbenzene	11.713	119	235173	51.573	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	240382	52.434	ug/l	100
85) sec-Butylbenzene	11.884	105	298046	53.233	ug/l	100
86) p-Isopropyltoluene	12.006	119	249289	53.941	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	118632	51.669	ug/l	100
88) 1,4-Dichlorobenzene	12.037	146	118528	50.549	ug/l	99
89) n-Butylbenzene	12.329	91	227595	56.143	ug/l	99
90) Hexachloroethane	12.536	117	42405	52.082	ug/l	100
91) 1,2-Dichlorobenzene	12.329	146	116846	50.715	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21419	50.916	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	70545	53.309	ug/l	100
94) Hexachlorobutadiene	13.719	225	31033	53.695	ug/l	99
95) Naphthalene	13.774	128	248647	51.231	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	71443	52.322	ug/l	100

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

