

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061225\
 Data File : VX046657.D
 Acq On : 12 Jun 2025 10:11
 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 06/13/2025
 Supervised By : Mahesh Dadoda 06/13/2025

Quant Time: Jun 13 01:40:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	82603	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.769	114	125406	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	118101	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60636	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	58736	39.968	ug/l	-0.01
Spiked Amount 50.000	Range 74 - 125		Recovery =	79.940%		
35) Dibromofluoromethane	5.391	113	54484	59.078	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	118.160%		
50) Toluene-d8	8.647	98	171603	56.439	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	112.880%		
62) 4-Bromofluorobenzene	11.079	95	70345	55.919	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	111.840%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	47986	41.844	ug/l	98
3) Chloromethane	1.307	50	40603	38.898	ug/l	98
4) Vinyl Chloride	1.386	62	41173	39.569	ug/l	97
5) Bromomethane	1.617	94	23131	36.617	ug/l	99
6) Chloroethane	1.697	64	23838	35.309	ug/l	94
7) Trichlorofluoromethane	1.904	101	74178	43.086	ug/l	98
8) Diethyl Ether	2.142	74	26788	44.038	ug/l	85
9) 1,1,2-Trichlorotrifluo...	2.343	101	52208	48.132	ug/l	92
10) Methyl Iodide	2.465	142	49604	42.187	ug/l	98
11) Tert butyl alcohol	2.965	59	31227	191.495	ug/l	98
12) 1,1-Dichloroethene	2.337	96	47795	48.736	ug/l	84
13) Acrolein	2.245	56	62360	308.244	ug/l	100
14) Allyl chloride	2.678	41	85070	44.168	ug/l	93
15) Acrylonitrile	3.068	53	138381	224.440	ug/l	99
16) Acetone	2.386	43	123430	214.546	ug/l	92
17) Carbon Disulfide	2.526	76	92448	44.419	ug/l	98
18) Methyl Acetate	2.715	43	80898	46.215	ug/l	96
19) Methyl tert-butyl Ether	3.123	73	167393	48.780	ug/l	98
20) Methylene Chloride	2.800	84	55016	46.663	ug/l	93
21) trans-1,2-Dichloroethene	3.105	96	47376	45.648	ug/l	93
22) Diisopropyl ether	3.770	45	179769	47.342	ug/l #	81
23) Vinyl Acetate	3.733	43	676467	230.742	ug/l	97
24) 1,1-Dichloroethane	3.623	63	97719	46.174	ug/l	98
25) 2-Butanone	4.562	43	162555	198.700	ug/l	96
26) 2,2-Dichloropropane	4.489	77	77371	49.247	ug/l	95
27) cis-1,2-Dichloroethene	4.501	96	63074	49.368	ug/l	89
28) Bromochloromethane	4.903	49	43653	43.246	ug/l	89
29) Tetrahydrofuran	5.007	42	104633	202.521	ug/l	96
30) Chloroform	5.105	83	104851	47.284	ug/l	98
31) Cyclohexane	5.483	56	74094	43.368	ug/l	97
32) 1,1,1-Trichloroethane	5.391	97	88809	46.820	ug/l	97
36) 1,1-Dichloropropene	5.696	75	63502	48.205	ug/l	96
37) Ethyl Acetate	4.721	43	64655	50.287	ug/l	99
38) Carbon Tetrachloride	5.684	117	76036	51.532	ug/l	99
39) Methylcyclohexane	7.385	83	74314	47.793	ug/l	95
40) Benzene	6.043	78	187904	50.668	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	38623	48.375	ug/l	91
42) 1,2-Dichloroethane	6.092	62	70921	45.968	ug/l	95
43) Isopropyl Acetate	6.342	43	103479	46.166	ug/l	96
44) Trichloroethene	7.129	130	49377	52.401	ug/l	99
45) 1,2-Dichloropropane	7.434	63	49574	51.789	ug/l	98
46) Dibromomethane	7.580	93	31955	44.374	ug/l	89
47) Bromodichloromethane	7.824	83	69476	46.922	ug/l	99
48) Methyl methacrylate	7.696	41	46050	39.931	ug/l	92
49) 1,4-Dioxane	7.659	88	12858	833.741	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	335937	235.853	ug/l	96
52) Toluene	8.720	92	126444	55.498	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	74282	55.952	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	77787	52.698	ug/l #	87
55) 1,1,2-Trichloroethane	9.153	97	53066	58.018	ug/l	97
56) Ethyl methacrylate	9.116	69	78215	55.570	ug/l	90
57) 1,3-Dichloropropane	9.305	76	86547	53.544	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	182816	238.457	ug/l	94
59) 2-Hexanone	9.427	43	240805	235.732	ug/l	95
60) Dibromochloromethane	9.518	129	62722	58.299	ug/l	100
61) 1,2-Dibromoethane	9.610	107	52060	54.621	ug/l	97
64) Tetrachloroethene	9.275	164	40422	51.184	ug/l	97
65) Chlorobenzene	10.079	112	144347	51.968	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	52019	55.422	ug/l	98
67) Ethyl Benzene	10.195	91	246134	50.760	ug/l	97
68) m/p-Xylenes	10.299	106	184992	105.170	ug/l	95
69) o-Xylene	10.640	106	90327	53.091	ug/l	96
70) Styrene	10.652	104	160199	55.006	ug/l	96
71) Bromoform	10.799	173	40874	57.113	ug/l #	98
73) Isopropylbenzene	10.957	105	246450	51.704	ug/l	99
74) N-amyl acetate	10.841	43	96513	45.978	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.207	83	74710	48.967	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	61557m	47.929	ug/l	
77) Bromobenzene	11.195	156	59447	53.732	ug/l	90
78) n-propylbenzene	11.299	91	286022	49.576	ug/l	97
79) 2-Chlorotoluene	11.360	91	169410	48.694	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	200783	50.550	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	22982	51.617	ug/l	86
82) 4-Chlorotoluene	11.451	91	200979	48.737	ug/l	95
83) tert-Butylbenzene	11.713	119	212278	52.499	ug/l	93
84) 1,2,4-Trimethylbenzene	11.750	105	202682	50.441	ug/l	96
85) sec-Butylbenzene	11.890	105	266244	51.245	ug/l	99
86) p-Isopropyltoluene	12.006	119	222767	51.432	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	111567	51.930	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	111874	50.254	ug/l	99
89) n-Butylbenzene	12.329	91	208960	49.127	ug/l	98
90) Hexachloroethane	12.536	117	39050	50.726	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	108933	52.528	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	15368	44.981	ug/l	84
93) 1,2,4-Trichlorobenzene	13.585	180	74128	52.400	ug/l	99
94) Hexachlorobutadiene	13.725	225	31934	48.574	ug/l	97
95) Naphthalene	13.774	128	232051	51.726	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	73372	51.724	ug/l	99

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

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