

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
 Data File : VX046565.D
 Acq On : 07 Jun 2025 08:06
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/09/2025
 Supervised By : Semsettin Yesilyurt 06/09/2025

Quant Time: Jun 07 08:26:35 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	5.568	168	82737	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	152075	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	138145	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69898	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	74567	50.658	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.320%			
35) Dibromofluoromethane	5.403	113	56299	50.341	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.680%			
50) Toluene-d8	8.653	98	180956	49.078	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.160%			
62) 4-Bromofluorobenzene	11.079	95	77819	51.012	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.020%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	59100	51.452	ug/l	98
3) Chloromethane	1.306	50	57394	54.895	ug/l	99
4) Vinyl Chloride	1.386	62	58321	55.958	ug/l	99
5) Bromomethane	1.623	94	33982	53.708	ug/l	97
6) Chloroethane	1.703	64	35550	52.572	ug/l	100
7) Trichlorofluoromethane	1.904	101	93197	54.046	ug/l	99
8) Diethyl Ether	2.148	74	32417	53.205	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.349	101	55106	50.722	ug/l	97
10) Methyl Iodide	2.471	142	72113	61.231	ug/l	99
11) Tert butyl alcohol	2.965	59	38178	233.741	ug/l	99
12) 1,1-Dichloroethene	2.337	96	53331	54.293	ug/l	98
13) Acrolein	2.251	56	43478	223.682	ug/l	99
14) Allyl chloride	2.684	41	98558	51.088	ug/l	94
15) Acrylonitrile	3.074	53	160596	260.049	ug/l	99
16) Acetone	2.392	43	139574	241.622	ug/l	98
17) Carbon Disulfide	2.532	76	128149	61.396	ug/l	100
18) Methyl Acetate	2.715	43	110203	62.854	ug/l	99
19) Methyl tert-butyl Ether	3.129	73	196267	57.102	ug/l	97
20) Methylene Chloride	2.806	84	61387	51.983	ug/l	96
21) trans-1,2-Dichloroethene	3.111	96	55765	53.644	ug/l	99
22) Diisopropyl ether	3.776	45	214803	56.476	ug/l #	78
23) Vinyl Acetate	3.739	43	803753	273.715	ug/l	100
24) 1,1-Dichloroethane	3.629	63	116488	54.953	ug/l	98
25) 2-Butanone	4.568	43	204498	249.564	ug/l	99
26) 2,2-Dichloropropane	4.495	77	38889	24.713	ug/l	92
27) cis-1,2-Dichloroethene	4.501	96	67843	53.015	ug/l	93
28) Bromochloromethane	4.916	49	52263	51.692	ug/l	98
29) Tetrahydrofuran	5.013	42	132208	255.479	ug/l	99
30) Chloroform	5.111	83	119280	53.704	ug/l	96
31) Cyclohexane	5.489	56	96995	56.680	ug/l	97
32) 1,1,1-Trichloroethane	5.397	97	104532	55.020	ug/l	97
36) 1,1-Dichloropropene	5.708	75	78246	48.981	ug/l	99
37) Ethyl Acetate	4.727	43	80338	51.527	ug/l	98
38) Carbon Tetrachloride	5.696	117	89692	50.127	ug/l	99
39) Methylcyclohexane	7.385	83	92914	49.276	ug/l	96
40) Benzene	6.050	78	234272	52.093	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.940	41	50412	52.067	ug/l	96
42) 1,2-Dichloroethane	6.098	62	95581	51.087	ug/l	98
43) Isopropyl Acetate	6.348	43	139451	51.305	ug/l	100
44) Trichloroethene	7.135	130	57024	49.904	ug/l	97
45) 1,2-Dichloropropane	7.433	63	60279	51.929	ug/l	97
46) Dibromomethane	7.586	93	44175	50.586	ug/l	97
47) Bromodichloromethane	7.824	83	93799	52.239	ug/l	99
48) Methyl methacrylate	7.696	41	72955	52.167	ug/l	96
49) 1,4-Dioxane	7.659	88	16767	896.548	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	427685	247.610	ug/l	99
52) Toluene	8.720	92	143660	51.996	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	77662	48.240	ug/l	99
54) cis-1,3-Dichloropropene	8.372	75	85536	47.786	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	56014	50.502	ug/l	96
56) Ethyl methacrylate	9.116	69	93070	54.528	ug/l	97
57) 1,3-Dichloropropane	9.311	76	101099	51.579	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	228237	245.495	ug/l	99
59) 2-Hexanone	9.433	43	305360	246.505	ug/l	98
60) Dibromochloromethane	9.525	129	66983	51.341	ug/l	99
61) 1,2-Dibromoethane	9.610	107	58456	50.576	ug/l	97
64) Tetrachloroethene	9.275	164	45433	49.182	ug/l	97
65) Chlorobenzene	10.079	112	159285	49.026	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	54878	49.985	ug/l	97
67) Ethyl Benzene	10.195	91	285004	50.248	ug/l	98
68) m/p-Xylenes	10.299	106	208696	101.431	ug/l	100
69) o-Xylene	10.640	106	101642	51.073	ug/l	99
70) Styrene	10.652	104	175957	51.651	ug/l	99
71) Bromoform	10.799	173	41857	50.000	ug/l #	99
73) Isopropylbenzene	10.963	105	272421	49.579	ug/l	100
74) N-amyl acetate	10.841	43	119880	49.543	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	83277	47.350	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	68821m	46.484	ug/l	
77) Bromobenzene	11.195	156	62259	48.817	ug/l	99
78) n-propylbenzene	11.305	91	319146	47.988	ug/l	99
79) 2-Chlorotoluene	11.366	91	193617	48.278	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	225847	49.325	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	19731	38.443	ug/l	95
82) 4-Chlorotoluene	11.451	91	225276	47.390	ug/l	98
83) tert-Butylbenzene	11.713	119	226743	48.646	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	226502	48.899	ug/l	100
85) sec-Butylbenzene	11.890	105	286001	47.753	ug/l	100
86) p-Isopropyltoluene	12.006	119	235997	47.267	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	117137	47.298	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	116897	45.552	ug/l	99
89) n-Butylbenzene	12.329	91	219412	44.749	ug/l	99
90) Hexachloroethane	12.536	117	41846	47.155	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	115371	48.261	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	18449	46.844	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	73888	45.309	ug/l	100
94) Hexachlorobutadiene	13.725	225	31295	41.294	ug/l	98
95) Naphthalene	13.774	128	257478	49.788	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	75248	46.018	ug/l	99

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

