

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062025\
 Data File : VX046784.D
 Acq On : 20 Jun 2025 15:49
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/23/2025
 Supervised By : Mahesh Dadoda 06/23/2025

Quant Time: Jun 21 00:08:16 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	109489	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	188382	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	172502	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	86497	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.958	65	84350	55.698	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 111.400%	
35) Dibromofluoromethane	5.385	113	70506	56.568	ug/l	-0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	= 113.140%	
50) Toluene-d8	8.646	98	242926	54.249	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 108.500%	
62) 4-Bromofluorobenzene	11.079	95	94952	56.883	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 113.760%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.178	85	57192	48.926	ug/l	98
3) Chloromethane	1.306	50	67752	53.699	ug/l	99
4) Vinyl Chloride	1.386	62	68360	50.808	ug/l	96
5) Bromomethane	1.623	94	46089	60.885	ug/l	95
6) Chloroethane	1.703	64	43798	53.709	ug/l	97
7) Trichlorofluoromethane	1.904	101	100490	49.189	ug/l	99
8) Diethyl Ether	2.141	74	41300	58.906	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.343	101	62418	49.803	ug/l	99
10) Methyl Iodide	2.465	142	85496	54.106	ug/l	99
11) Tert butyl alcohol	2.952	59	28059	206.426	ug/l	99
12) 1,1-Dichloroethene	2.337	96	63067	52.149	ug/l	99
13) Acrolein	2.245	56	65702	331.846	ug/l	99
14) Allyl chloride	2.678	41	119905	54.722	ug/l	98
15) Acrylonitrile	3.068	53	159995	261.766	ug/l	100
16) Acetone	2.385	43	114280	226.286	ug/l	97
17) Carbon Disulfide	2.526	76	173802	47.591	ug/l	97
18) Methyl Acetate	2.708	43	67797	52.856	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	207209	55.027	ug/l	99
20) Methylene Chloride	2.800	84	76929	54.775	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	68555	52.978	ug/l	97
22) Diisopropyl ether	3.763	45	250328	59.437	ug/l	97
23) Vinyl Acetate	3.727	43	957781	285.977	ug/l	100
24) 1,1-Dichloroethane	3.623	63	132373	55.357	ug/l	97
25) 2-Butanone	4.556	43	174739	244.645	ug/l	99
26) 2,2-Dichloropropane	4.483	77	92994	53.321	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	85198	56.041	ug/l	99
28) Bromochloromethane	4.903	49	64604	59.592	ug/l	99
29) Tetrahydrofuran	5.001	42	114926	249.111	ug/l	99
30) Chloroform	5.098	83	136144	56.930	ug/l	98
31) Cyclohexane	5.476	56	110553	48.751	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	109010	51.976	ug/l	99
36) 1,1-Dichloropropene	5.696	75	87388	48.570	ug/l	98
37) Ethyl Acetate	4.714	43	77418	46.616	ug/l	97
38) Carbon Tetrachloride	5.684	117	93758	48.017	ug/l	99
39) Methylcyclohexane	7.378	83	112164	47.374	ug/l	100
40) Benzene	6.043	78	285074	53.537	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.921	41	47402	53.538	ug/l	95
42) 1,2-Dichloroethane	6.086	62	101424	54.204	ug/l	98
43) Isopropyl Acetate	6.342	43	131047	50.426	ug/l	99
44) Trichloroethene	7.122	130	69253	51.034	ug/l	98
45) 1,2-Dichloropropane	7.427	63	72900	55.242	ug/l	98
46) Dibromomethane	7.580	93	52240	55.082	ug/l	99
47) Bromodichloromethane	7.817	83	108718	56.173	ug/l	97
48) Methyl methacrylate	7.689	41	69886	53.620	ug/l	99
49) 1,4-Dioxane	7.659	88	16286	862.936	ug/l	96
51) 4-Methyl-2-Pentanone	8.567	43	384720	248.210	ug/l	100
52) Toluene	8.713	92	176859	53.577	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	102656	57.166	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	117219	57.501	ug/l	99
55) 1,1,2-Trichloroethane	9.146	97	68407	55.609	ug/l	99
56) Ethyl methacrylate	9.116	69	100077	55.111	ug/l	99
57) 1,3-Dichloropropane	9.305	76	118164	55.779	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	273143	289.561	ug/l	100
59) 2-Hexanone	9.427	43	257222	240.045	ug/l	100
60) Dibromochloromethane	9.518	129	82150	56.667	ug/l	100
61) 1,2-Dibromoethane	9.610	107	68728	54.925	ug/l	100
64) Tetrachloroethene	9.274	164	57026	47.715	ug/l	97
65) Chlorobenzene	10.079	112	198933	52.242	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.158	131	68733	53.707	ug/l	99
67) Ethyl Benzene	10.189	91	338784	50.919	ug/l	100
68) m/p-Xylenes	10.299	106	253341	102.190	ug/l	98
69) o-Xylene	10.640	106	124232	53.471	ug/l	98
70) Styrene	10.652	104	219860	54.074	ug/l	99
71) Bromoform	10.798	173	51140	52.471	ug/l #	100
73) Isopropylbenzene	10.957	105	319269	50.117	ug/l	100
74) N-amyl acetate	10.841	43	121781	50.456	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	90021	50.608	ug/l	98
76) 1,2,3-Trichloropropane	11.237	75	72948m	46.047	ug/l	
77) Bromobenzene	11.195	156	81929	53.444	ug/l	99
78) n-propylbenzene	11.298	91	381477	50.416	ug/l	100
79) 2-Chlorotoluene	11.359	91	231207	51.178	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	267570	51.111	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	26664	47.574	ug/l	99
82) 4-Chlorotoluene	11.451	91	270647	51.332	ug/l	99
83) tert-Butylbenzene	11.713	119	270313	49.953	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	273576	52.014	ug/l	99
85) sec-Butylbenzene	11.890	105	338341	49.473	ug/l	99
86) p-Isopropyltoluene	12.006	119	286839	49.709	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	151114	50.556	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	153221	49.906	ug/l	99
89) n-Butylbenzene	12.329	91	271837	49.616	ug/l	100
90) Hexachloroethane	12.536	117	49379	48.868	ug/l	98
91) 1,2-Dichlorobenzene	12.329	146	147804	52.914	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	16394	46.683	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	102686	51.709	ug/l	99
94) Hexachlorobutadiene	13.725	225	39725	47.554	ug/l	99
95) Naphthalene	13.774	128	285338	50.434	ug/l	100
96) 1,2,3-Trichlorobenzene	13.956	180	100295	52.791	ug/l	98

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

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