

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090225\
 Data File : VX047571.D
 Acq On : 02 Sep 2025 09:56
 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 09/03/2025
 Supervised By : Mahesh Dadoda 09/03/2025

Quant Time: Sep 03 02:11:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 29 02:31:18 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	228123	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	392262	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	357459	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	173343	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	171323	48.905	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.820%		
35) Dibromofluoromethane	5.391	113	135525	50.339	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.680%		
50) Toluene-d8	8.647	98	458978	48.637	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.280%		
62) 4-Bromofluorobenzene	11.079	95	173827	49.032	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.060%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	113409	45.396	ug/l	99
3) Chloromethane	1.313	50	119381	43.753	ug/l	98
4) Vinyl Chloride	1.392	62	143857	44.852	ug/l	98
5) Bromomethane	1.624	94	71004	51.182	ug/l	97
6) Chloroethane	1.703	64	88213	43.288	ug/l	97
7) Trichlorofluoromethane	1.904	101	209321	45.884	ug/l	95
8) Diethyl Ether	2.142	74	86546	47.814	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.343	101	128559	47.319	ug/l	99
10) Methyl Iodide	2.465	142	213777	47.534	ug/l	97
11) Tert butyl alcohol	2.959	59	71926	223.378	ug/l	99
12) 1,1-Dichloroethene	2.337	96	129071	44.802	ug/l	93
13) Acrolein	2.246	56	175090	271.259	ug/l	99
14) Allyl chloride	2.678	41	242730	45.992	ug/l	99
15) Acrylonitrile	3.075	53	334186	231.936	ug/l	99
16) Acetone	2.386	43	342021	246.519	ug/l	100
17) Carbon Disulfide	2.526	76	380054	44.366	ug/l	99
18) Methyl Acetate	2.709	43	157334	45.997	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	447818	47.623	ug/l	99
20) Methylene Chloride	2.800	84	156137	44.225	ug/l	97
21) trans-1,2-Dichloroethene	3.105	96	142008	46.321	ug/l	99
22) Diisopropyl ether	3.770	45	510225	48.002	ug/l	95
23) Vinyl Acetate	3.727	43	2065499	238.642	ug/l	100
24) 1,1-Dichloroethane	3.617	63	269795	45.680	ug/l	98
25) 2-Butanone	4.556	43	413856	226.663	ug/l	98
26) 2,2-Dichloropropane	4.483	77	202950	47.540	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	171619	45.946	ug/l	99
28) Bromochloromethane	4.904	49	132156	51.850	ug/l #	99
29) Tetrahydrofuran	5.007	42	246949	217.946	ug/l	99
30) Chloroform	5.093	83	278137	46.247	ug/l	97
31) Cyclohexane	5.477	56	216740	44.001	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	223155	45.542	ug/l	99
36) 1,1-Dichloropropene	5.696	75	179167	46.762	ug/l	99
37) Ethyl Acetate	4.715	43	179097	47.425	ug/l	99
38) Carbon Tetrachloride	5.684	117	194160	45.671	ug/l	98
39) Methylcyclohexane	7.379	83	200105	45.286	ug/l	97
40) Benzene	6.038	78	575279	47.030	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	95553	53.426	ug/l	98
42) 1,2-Dichloroethane	6.086	62	208658	47.385	ug/l	99
43) Isopropyl Acetate	6.342	43	289233	47.665	ug/l	100
44) Trichloroethene	7.129	130	140569	46.381	ug/l	95
45) 1,2-Dichloropropane	7.428	63	146344	47.498	ug/l	99
46) Dibromomethane	7.580	93	106344	46.886	ug/l	99
47) Bromodichloromethane	7.818	83	222049	47.870	ug/l	100
48) Methyl methacrylate	7.690	41	149316	47.835	ug/l	100
49) 1,4-Dioxane	7.665	88	28872	935.020	ug/l	96
51) 4-Methyl-2-Pentanone	8.568	43	820694	228.905	ug/l	99
52) Toluene	8.714	92	348145	46.703	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	210597	50.395	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	232400	50.190	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	137080	47.138	ug/l	97
56) Ethyl methacrylate	9.116	69	206944	48.071	ug/l	99
57) 1,3-Dichloropropane	9.305	76	236940	47.060	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	503415	249.250	ug/l	100
59) 2-Hexanone	9.427	43	560537	228.859	ug/l	99
60) Dibromochloromethane	9.519	129	166756	48.000	ug/l	99
61) 1,2-Dibromoethane	9.604	107	140083	47.334	ug/l	99
64) Tetrachloroethene	9.269	164	110453	46.122	ug/l	97
65) Chlorobenzene	10.079	112	391063	46.734	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	137392	48.419	ug/l	99
67) Ethyl Benzene	10.189	91	660225	46.953	ug/l	99
68) m/p-Xylenes	10.299	106	495557	94.884	ug/l	100
69) o-Xylene	10.640	106	241820	48.064	ug/l	100
70) Styrene	10.653	104	430321	49.293	ug/l	100
71) Bromoform	10.799	173	107764	49.875	ug/l #	99
73) Isopropylbenzene	10.957	105	609354	47.773	ug/l	100
74) N-amyl acetate	10.842	43	252216	47.883	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	185778	46.075	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	151093m	48.838	ug/l	
77) Bromobenzene	11.195	156	158709	48.639	ug/l	98
78) n-propylbenzene	11.299	91	719801	47.398	ug/l	100
79) 2-Chlorotoluene	11.360	91	445811	47.336	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	502421	48.174	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	35175	44.961	ug/l	97
82) 4-Chlorotoluene	11.451	91	521374	47.181	ug/l	100
83) tert-Butylbenzene	11.713	119	499885	47.548	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	511468	48.112	ug/l	99
85) sec-Butylbenzene	11.890	105	582401	46.039	ug/l	100
86) p-Isopropyltoluene	12.006	119	495015	46.682	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	288174	47.369	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	293552	46.735	ug/l	100
89) n-Butylbenzene	12.329	91	447338	45.707	ug/l	100
90) Hexachloroethane	12.536	117	91395	46.888	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	275450	46.206	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	32962	44.319	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	169598	46.672	ug/l	99
94) Hexachlorobutadiene	13.725	225	52313	41.419	ug/l	98
95) Naphthalene	13.774	128	487359	45.881	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	155108	45.442	ug/l	99

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

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