

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
 Data File : VX046546.D
 Acq On : 07 Jun 2025 00:34
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 07 04:25:39 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

Manual Integrations APPROVED

Reviewed By : John Carlone 06/09/2025
 Supervised By : Mahesh Dadoda 06/09/2025

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	74224	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	135585	50.000	ug/l	-0.01
63) Chlorobenzene-d5	10.055	117	121168	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	59451	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	71583	54.208	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.420%			
35) Dibromofluoromethane	5.391	113	51708	51.859	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.720%			
50) Toluene-d8	8.647	98	161944	49.264	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.520%			
62) 4-Bromofluorobenzene	11.079	95	67504	49.632	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.260%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.179	85	47708	46.298	ug/l	98
3) Chloromethane	1.307	50	45497	48.507	ug/l	100
4) Vinyl Chloride	1.386	62	45348	48.501	ug/l	99
5) Bromomethane	1.618	94	29078	51.228	ug/l	95
6) Chloroethane	1.697	64	28793	47.463	ug/l	98
7) Trichlorofluoromethane	1.904	101	73399	47.446	ug/l	99
8) Diethyl Ether	2.148	74	30291	55.418	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.343	101	45873	47.066	ug/l	95
10) Methyl Iodide	2.465	142	59739	56.542	ug/l	99
11) Tert butyl alcohol	2.959	59	42625	290.899	ug/l	99
12) 1,1-Dichloroethene	2.331	96	43718	49.611	ug/l	90
13) Acrolein	2.246	56	35062	204.106	ug/l	100
14) Allyl chloride	2.678	41	88997	51.423	ug/l	94
15) Acrylonitrile	3.075	53	166269	300.115	ug/l	99
16) Acetone	2.386	43	142470	274.290	ug/l	95
17) Carbon Disulfide	2.526	76	88295	47.200	ug/l	99
18) Methyl Acetate	2.715	43	102003	64.849	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	191602	62.138	ug/l	97
20) Methylene Chloride	2.800	84	57197	53.990	ug/l	94
21) trans-1,2-Dichloroethene	3.105	96	45455	48.742	ug/l	98
22) Diisopropyl ether	3.770	45	204340	59.887	ug/l #	81
23) Vinyl Acetate	3.727	43	800854	304.008	ug/l	100
24) 1,1-Dichloroethane	3.623	63	104165	54.776	ug/l	98
25) 2-Butanone	4.562	43	216571	294.611	ug/l	98
26) 2,2-Dichloropropane	4.489	77	46689	33.072	ug/l	96
27) cis-1,2-Dichloroethene	4.495	96	61519	53.587	ug/l	92
28) Bromochloromethane	4.904	49	50021	55.149	ug/l	99
29) Tetrahydrofuran	5.013	42	136791	294.653	ug/l	98
30) Chloroform	5.099	83	111134	55.775	ug/l	97
31) Cyclohexane	5.477	56	75359	49.088	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	89142	52.301	ug/l	99
36) 1,1-Dichloropropene	5.702	75	64100	45.006	ug/l	99
37) Ethyl Acetate	4.721	43	85298	61.362	ug/l	100
38) Carbon Tetrachloride	5.684	117	76434	47.913	ug/l	99
39) Methylcyclohexane	7.385	83	73385	43.653	ug/l	97
40) Benzene	6.044	78	203384	50.725	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	49366	57.188	ug/l	95
42) 1,2-Dichloroethane	6.092	62	91106	54.618	ug/l	99
43) Isopropyl Acetate	6.342	43	140388	57.931	ug/l	100
44) Trichloroethene	7.123	130	47365	46.492	ug/l	99
45) 1,2-Dichloropropane	7.434	63	56265	54.366	ug/l	96
46) Dibromomethane	7.586	93	42582	54.692	ug/l	98
47) Bromodichloromethane	7.824	83	87772	54.828	ug/l	99
48) Methyl methacrylate	7.696	41	73278	58.770	ug/l	97
49) 1,4-Dioxane	7.665	88	18917	1134.531	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	448207	291.051	ug/l	100
52) Toluene	8.720	92	124809	50.667	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	76347	53.190	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	81805	51.260	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	55712	56.338	ug/l	98
56) Ethyl methacrylate	9.116	69	90464	59.447	ug/l	96
57) 1,3-Dichloropropane	9.305	76	94466	54.056	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.245	63	227836	274.869	ug/l	99
59) 2-Hexanone	9.427	43	319637	289.412	ug/l	99
60) Dibromochloromethane	9.519	129	64238	55.226	ug/l	99
61) 1,2-Dibromoethane	9.610	107	55823	54.172	ug/l	98
64) Tetrachloroethene	9.275	164	36682	45.273	ug/l	98
65) Chlorobenzene	10.080	112	141209	49.552	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	51052	53.015	ug/l	99
67) Ethyl Benzene	10.195	91	243925	49.031	ug/l	98
68) m/p-Xylenes	10.299	106	179113	99.251	ug/l	99
69) o-Xylene	10.640	106	89019	50.998	ug/l	100
70) Styrene	10.653	104	157755	52.796	ug/l	99
71) Bromoform	10.799	173	40393	55.012	ug/l #	97
73) Isopropylbenzene	10.964	105	236137	50.528	ug/l	100
74) N-amyl acetate	10.842	43	120552	58.575	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	84305	56.358	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	70626m	56.086	ug/l	
77) Bromobenzene	11.195	156	57128	52.665	ug/l	98
78) n-propylbenzene	11.305	91	279714	49.449	ug/l	100
79) 2-Chlorotoluene	11.360	91	171724	50.343	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	197184	50.633	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	21268	48.720	ug/l	97
82) 4-Chlorotoluene	11.451	91	200117	49.495	ug/l	98
83) tert-Butylbenzene	11.713	119	203346	51.293	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	200924	51.000	ug/l	100
85) sec-Butylbenzene	11.890	105	251573	49.386	ug/l	99
86) p-Isopropyltoluene	12.006	119	208358	49.065	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	104120	49.430	ug/l	100
88) 1,4-Dichlorobenzene	12.037	146	106425	48.759	ug/l	100
89) n-Butylbenzene	12.329	91	198154	47.515	ug/l	100
90) Hexachloroethane	12.536	117	36643	48.548	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	105678	51.974	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19121	57.081	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	69669	50.229	ug/l	99
94) Hexachlorobutadiene	13.725	225	28591	44.356	ug/l	96
95) Naphthalene	13.774	128	244906	55.679	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	69397	49.897	ug/l	100

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

