

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061025\
 Data File : VX046586.D
 Acq On : 10 Jun 2025 09:07
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 11 01:40:35 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

Manual Integrations APPROVED

Reviewed By :John
 Carlone

06/11/2025
 Supervised By :Mahesh
 Dadoda

06/11/2025

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	90758	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	150623	50.000	ug/l	-0.01
63) Chlorobenzene-d5	10.055	117	134767	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	66941	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.958	65	68670	42.529	ug/l	-0.01
Spiked Amount	50.000	Range	74 - 125	Recovery	=	85.060%
35) Dibromofluoromethane	5.385	113	54188	48.920	ug/l	-0.02
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.840%
50) Toluene-d8	8.647	98	173470	47.502	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.000%
62) 4-Bromofluorobenzene	11.079	95	70476	46.644	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.280%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.185	85	64016	50.806	ug/l	100
3) Chloromethane	1.307	50	56444	49.215	ug/l	99
4) Vinyl Chloride	1.386	62	58114	50.831	ug/l	98
5) Bromomethane	1.618	94	32498	46.823	ug/l	93
6) Chloroethane	1.703	64	32178	43.380	ug/l	97
7) Trichlorofluoromethane	1.904	101	90554	47.872	ug/l	96
8) Diethyl Ether	2.142	74	31717	47.456	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.343	101	60548	50.805	ug/l	94
10) Methyl Iodide	2.465	142	73653	57.012	ug/l	97
11) Tert butyl alcohol	2.959	59	31425	175.393	ug/l	100
12) 1,1-Dichloroethene	2.331	96	54724	50.787	ug/l	87
13) Acrolein	2.245	56	46336	218.171	ug/l	99
14) Allyl chloride	2.678	41	99768	47.145	ug/l	92
15) Acrylonitrile	3.068	53	154316	227.796	ug/l	99
16) Acetone	2.386	43	125573	198.999	ug/l	94
17) Carbon Disulfide	2.526	76	113942	49.803	ug/l	99
18) Methyl Acetate	2.709	43	88227	45.873	ug/l	96
19) Methyl tert-butyl Ether	3.123	73	190642	50.563	ug/l	98
20) Methylene Chloride	2.800	84	63269	48.842	ug/l	92
21) trans-1,2-Dichloroethene	3.105	96	56466	49.518	ug/l	94
22) Diisopropyl ether	3.763	45	218014	52.255	ug/l #	73
23) Vinyl Acetate	3.727	43	792157	245.925	ug/l	98
24) 1,1-Dichloroethane	3.623	63	116355	50.040	ug/l	99
25) 2-Butanone	4.556	43	191877	213.467	ug/l	99
26) 2,2-Dichloropropane	4.483	77	96821	56.089	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	73894	52.640	ug/l	96
28) Bromochloromethane	4.904	49	54238	48.905	ug/l	99
29) Tetrahydrofuran	5.007	42	122206	215.281	ug/l	99
30) Chloroform	5.099	83	130421	53.531	ug/l	96
31) Cyclohexane	5.477	56	95665	50.962	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	111065	53.292	ug/l	98
36) 1,1-Dichloropropene	5.696	75	80709	51.010	ug/l	98
37) Ethyl Acetate	4.721	43	78957	51.130	ug/l	99
38) Carbon Tetrachloride	5.684	117	95156	53.694	ug/l	95
39) Methylcyclohexane	7.379	83	94883	50.806	ug/l	99
40) Benzene	6.037	78	243205	54.601	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	49327	51.438	ug/l	95
42) 1,2-Dichloroethane	6.086	62	98959	53.402	ug/l	99
43) Isopropyl Acetate	6.342	43	131206	48.737	ug/l	99
44) Trichloroethene	7.129	130	59456	52.534	ug/l	99
45) 1,2-Dichloropropane	7.427	63	63071	54.858	ug/l	99
46) Dibromomethane	7.580	93	45581	52.699	ug/l	96
47) Bromodichloromethane	7.824	83	101554	57.103	ug/l	97
48) Methyl methacrylate	7.690	41	68324	49.326	ug/l	95
49) 1,4-Dioxane	7.653	88	17651	952.914	ug/l	98
51) 4-Methyl-2-Pentanone	8.568	43	409850	239.572	ug/l	99
52) Toluene	8.714	92	149428	54.605	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	91050	57.101	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	100606	56.746	ug/l	92
55) 1,1,2-Trichloroethane	9.147	97	60612	55.174	ug/l	97
56) Ethyl methacrylate	9.116	69	90648	53.621	ug/l	94
57) 1,3-Dichloropropane	9.305	76	104709	53.935	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	226143	245.588	ug/l	99
59) 2-Hexanone	9.427	43	281334	229.299	ug/l	98
60) Dibromochloromethane	9.519	129	73121	56.586	ug/l	99
61) 1,2-Dibromoethane	9.604	107	59442	51.925	ug/l	96
64) Tetrachloroethene	9.275	164	45245	50.206	ug/l	96
65) Chlorobenzene	10.079	112	166316	52.473	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	60360	56.356	ug/l	100
67) Ethyl Benzene	10.189	91	293712	53.081	ug/l	99
68) m/p-Xylenes	10.299	106	216146	107.686	ug/l	99
69) o-Xylene	10.640	106	104495	53.823	ug/l	100
70) Styrene	10.652	104	186521	56.124	ug/l	97
71) Bromoform	10.799	173	45425	55.623	ug/l #	97
73) Isopropylbenzene	10.957	105	284717	54.106	ug/l	100
74) N-amyl acetate	10.841	43	114046	49.214	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	85869	50.980	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	73742m	52.008	ug/l	
77) Bromobenzene	11.195	156	67715	55.440	ug/l	94
78) n-propylbenzene	11.299	91	339470	53.299	ug/l	99
79) 2-Chlorotoluene	11.360	91	202364	52.688	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	236032	53.827	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	25693	52.271	ug/l	90
82) 4-Chlorotoluene	11.451	91	239181	52.538	ug/l	98
83) tert-Butylbenzene	11.713	119	242094	54.234	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	234197	52.794	ug/l	98
85) sec-Butylbenzene	11.890	105	304462	53.081	ug/l	100
86) p-Isopropyltoluene	12.006	119	252631	52.834	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	124600	52.534	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	123785	50.367	ug/l	99
89) n-Butylbenzene	12.329	91	245852	52.356	ug/l	99
90) Hexachloroethane	12.536	117	45495	53.532	ug/l	96
91) 1,2-Dichlorobenzene	12.329	146	121670	53.144	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	17650	46.795	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	81781	52.365	ug/l	98
94) Hexachlorobutadiene	13.725	225	35940	49.518	ug/l	96
95) Naphthalene	13.774	128	251036	50.687	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	80018	51.096	ug/l	100

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

