

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071825\
 Data File : VX047038.D
 Acq On : 18 Jul 2025 10:20
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 19 04:18:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone

07/21/2025
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	359107	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	596829	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	517658	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	246681	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.958	65	247187	52.104	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.200%	
35) Dibromofluoromethane	5.391	113	197225	48.682	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.360%	
50) Toluene-d8	8.647	98	698836	48.891	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 97.780%	
62) 4-Bromofluorobenzene	11.079	95	268006	49.334	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 98.660%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.179	85	180110	52.444	ug/l	99
3) Chloromethane	1.307	50	181912	48.481	ug/l	97
4) Vinyl Chloride	1.386	62	201461	49.304	ug/l	99
5) Bromomethane	1.618	94	124780	47.527	ug/l	98
6) Chloroethane	1.703	64	131068	48.577	ug/l	98
7) Trichlorofluoromethane	1.904	101	339348	53.710	ug/l	97
8) Diethyl Ether	2.142	74	125225	55.695	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.343	101	216362	53.742	ug/l	98
10) Methyl Iodide	2.465	142	212256	48.393	ug/l	97
11) Tert butyl alcohol	2.953	59	118927	382.223	ug/l	100
12) 1,1-Dichloroethene	2.331	96	198653	51.015	ug/l	99
13) Acrolein	2.245	56	86657	252.018	ug/l	98
14) Allyl chloride	2.678	41	383442	55.308	ug/l	99
15) Acrylonitrile	3.069	53	541071	300.773	ug/l	100
16) Acetone	2.386	43	456956	310.088	ug/l	96
17) Carbon Disulfide	2.526	76	415942	40.730	ug/l	100
18) Methyl Acetate	2.709	43	326030	83.939	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	684514	62.249	ug/l	99
20) Methylene Chloride	2.800	84	223275	51.238	ug/l	99
21) trans-1,2-Dichloroethene	3.099	96	203827	51.154	ug/l	99
22) Diisopropyl ether	3.764	45	776474	57.972	ug/l	97
23) Vinyl Acetate	3.727	43	2906252	289.628	ug/l	99
24) 1,1-Dichloroethane	3.617	63	411882	53.920	ug/l	100
25) 2-Butanone	4.556	43	641929	326.499	ug/l	99
26) 2,2-Dichloropropane	4.483	77	338110	59.474	ug/l	97
27) cis-1,2-Dichloroethene	4.495	96	257744	52.980	ug/l	97
28) Bromochloromethane	4.904	49	186260	49.407	ug/l	96
29) Tetrahydrofuran	5.001	42	409749	326.933	ug/l	98
30) Chloroform	5.099	83	419304	53.730	ug/l	98
31) Cyclohexane	5.477	56	333317	49.152	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	359990	55.214	ug/l	99
36) 1,1-Dichloropropene	5.696	75	279320	51.101	ug/l	99
37) Ethyl Acetate	4.715	43	271325	58.280	ug/l	99
38) Carbon Tetrachloride	5.684	117	309823	53.613	ug/l	99
39) Methylcyclohexane	7.379	83	343483	50.235	ug/l	99
40) Benzene	6.037	78	845590	51.145	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	155817	62.741	ug/l	97
42) 1,2-Dichloroethane	6.086	62	303600	54.078	ug/l	99
43) Isopropyl Acetate	6.336	43	456044	63.954	ug/l	99
44) Trichloroethene	7.123	130	219800	51.072	ug/l	99
45) 1,2-Dichloropropane	7.428	63	221449	53.015	ug/l	99
46) Dibromomethane	7.580	93	154324	53.323	ug/l	98
47) Bromodichloromethane	7.818	83	334287	54.094	ug/l	99
48) Methyl methacrylate	7.690	41	240400	65.290	ug/l	97
49) 1,4-Dioxane	7.653	88	57468	1347.013	ug/l	99
51) 4-Methyl-2-Pentanone	8.568	43	1361584	323.536	ug/l	100
52) Toluene	8.714	92	533990	52.122	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	328718	59.603	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	356481	56.628	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	207285	54.320	ug/l	99
56) Ethyl methacrylate	9.110	69	328405	62.178	ug/l	97
57) 1,3-Dichloropropane	9.305	76	356376	54.236	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	825602	277.426	ug/l	100
59) 2-Hexanone	9.427	43	941297	337.206	ug/l	99
60) Dibromochloromethane	9.519	129	243894	53.406	ug/l	100
61) 1,2-Dibromoethane	9.604	107	209351	54.626	ug/l	99
64) Tetrachloroethene	9.269	164	174590	50.656	ug/l	96
65) Chlorobenzene	10.079	112	598059	53.436	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	209879	55.784	ug/l	98
67) Ethyl Benzene	10.189	91	1055615	55.076	ug/l	99
68) m/p-Xylenes	10.299	106	781683	108.232	ug/l	98
69) o-Xylene	10.640	106	381009	54.613	ug/l	100
70) Styrene	10.653	104	660573	55.343	ug/l	98
71) Bromoform	10.799	173	159070	56.862	ug/l	98
73) Isopropylbenzene	10.957	105	1018068	58.709	ug/l	99
74) N-amyl acetate	10.842	43	407853	69.214	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	290315	60.884	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	240350m	63.058	ug/l	
77) Bromobenzene	11.195	156	243145	56.292	ug/l	96
78) n-propylbenzene	11.299	91	1208086	57.776	ug/l	100
79) 2-Chlorotoluene	11.360	91	711268	57.609	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	826940	58.688	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.012	75	94917	66.825	ug/l	100
82) 4-Chlorotoluene	11.451	91	838693	58.865	ug/l	99
83) tert-Butylbenzene	11.713	119	850948	58.473	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	837919	58.834	ug/l	96
85) sec-Butylbenzene	11.890	105	1063839	57.979	ug/l	100
86) p-Isopropyltoluene	12.006	119	895123	58.255	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	456306	56.486	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	455918	54.229	ug/l	99
89) n-Butylbenzene	12.329	91	839391	58.139	ug/l	99
90) Hexachloroethane	12.536	117	159340	58.497	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	431644	55.139	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	57256	68.653	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	302844	56.945	ug/l	100
94) Hexachlorobutadiene	13.719	225	105778	52.741	ug/l	98
95) Naphthalene	13.774	128	903744	64.490	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	286344	56.984	ug/l	98

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

Manual Integrations

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