

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072325\
 Data File : VX047103.D
 Acq On : 23 Jul 2025 19:21
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/24/2025
 Supervised By : Mahesh Dadoda 07/24/2025

Quant Time: Jul 24 05:57:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	287587	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	493232	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	445621	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	217277	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	166450	46.463	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.920%		
35) Dibromofluoromethane	5.391	113	141881	46.589	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.180%		
50) Toluene-d8	8.647	98	445947	45.217	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	90.440%#		
62) 4-Bromofluorobenzene	11.079	95	201239	47.349	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.700%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.179	85	172064	45.044	ug/l	96
3) Chloromethane	1.313	50	148256	39.236	ug/l	98
4) Vinyl Chloride	1.392	62	179730	44.249	ug/l	96
5) Bromomethane	1.624	94	86234	39.084	ug/l	98
6) Chloroethane	1.703	64	107069	40.135	ug/l	95
7) Trichlorofluoromethane	1.904	101	266034	43.924	ug/l	100
8) Diethyl Ether	2.148	74	92252	43.199	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.349	101	154812	42.426	ug/l	98
10) Methyl Iodide	2.471	142	297374	79.962	ug/l	98
11) Tert butyl alcohol	2.965	59	100234	238.889	ug/l #	94
12) 1,1-Dichloroethene	2.337	96	157023	43.447	ug/l	98
13) Acrolein	2.246	56	204621	265.273	ug/l	100
14) Allyl chloride	2.678	41	468755	71.751	ug/l #	78
15) Acrylonitrile	3.081	53	370979	217.130	ug/l	100
16) Acetone	2.392	43	289332	201.607	ug/l	98
17) Carbon Disulfide	2.526	76	447325	42.783	ug/l	98
18) Methyl Acetate	2.715	43	172268	45.169	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	486496	44.230	ug/l	100
20) Methylene Chloride	2.806	84	167754	42.489	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	160800	43.478	ug/l	98
22) Diisopropyl ether	3.770	45	573628	45.669	ug/l	99
23) Vinyl Acetate	3.733	43	2359254	234.185	ug/l	100
24) 1,1-Dichloroethane	3.623	63	309312	44.285	ug/l	99
25) 2-Butanone	4.562	43	448487	214.621	ug/l	99
26) 2,2-Dichloropropane	4.489	77	225896	41.781	ug/l	98
27) cis-1,2-Dichloroethene	4.501	96	190924	43.595	ug/l	99
28) Bromochloromethane	4.910	49	144747	45.046	ug/l	99
29) Tetrahydrofuran	5.019	42	287356	213.127	ug/l	99
30) Chloroform	5.105	83	312908	44.011	ug/l	98
31) Cyclohexane	5.483	56	286215	42.737	ug/l	98
32) 1,1,1-Trichloroethane	5.397	97	280797	45.470	ug/l	99
36) 1,1-Dichloropropene	5.702	75	222571	42.875	ug/l	99
37) Ethyl Acetate	4.727	43	203758	42.597	ug/l	99
38) Carbon Tetrachloride	5.690	117	248821	44.909	ug/l	98
39) Methylcyclohexane	7.385	83	276164	42.609	ug/l	99
40) Benzene	6.050	78	664591	44.238	ug/l	99

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41) Methacrylonitrile	4.934	41	108066	43.208	ug/l	95
42) 1,2-Dichloroethane	6.092	62	236480	44.686	ug/l	98
43) Isopropyl Acetate	6.342	43	345302	46.305	ug/l	99
44) Trichloroethene	7.129	130	167685	43.527	ug/l	99
45) 1,2-Dichloropropane	7.434	63	169177	44.962	ug/l	97
46) Dibromomethane	7.586	93	119350	45.233	ug/l	99
47) Bromodichloromethane	7.824	83	258028	45.943	ug/l	98
48) Methyl methacrylate	7.696	41	179710	44.237	ug/l	99
49) 1,4-Dioxane	7.684	88	38366	830.352	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	991610	223.717	ug/l	99
52) Toluene	8.720	92	417455	45.192	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	243173	45.852	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	263899	45.464	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	153422	44.287	ug/l	99
56) Ethyl methacrylate	9.116	69	245458	47.861	ug/l	99
57) 1,3-Dichloropropane	9.305	76	268675	44.625	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.245	63	127398	44.640	ug/l	99
59) 2-Hexanone	9.427	43	677491	231.350	ug/l	100
60) Dibromochloromethane	9.519	129	192797	47.452	ug/l	99
61) 1,2-Dibromoethane	9.610	107	159113	43.925	ug/l	100
64) Tetrachloroethene	9.275	164	135506	42.182	ug/l	96
65) Chlorobenzene	10.080	112	456900	43.767	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	158001	44.954	ug/l	99
67) Ethyl Benzene	10.195	91	809994	44.376	ug/l	99
68) m/p-Xylenes	10.299	106	602274	88.173	ug/l	100
69) o-Xylene	10.640	106	288269	44.362	ug/l	99
70) Styrene	10.653	104	497794	44.675	ug/l	99
71) Bromoform	10.799	173	123767	46.357	ug/l	100
73) Isopropylbenzene	10.957	105	766654	44.724	ug/l	100
74) N-amyl acetate	10.842	43	316182	45.715	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	214222	43.750	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	176085m	43.784	ug/l	
77) Bromobenzene	11.195	156	180015	43.783	ug/l	99
78) n-propylbenzene	11.305	91	923482	45.083	ug/l	100
79) 2-Chlorotoluene	11.360	91	540049	44.104	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	630294	44.507	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	45159	28.930	ug/l	98
82) 4-Chlorotoluene	11.451	91	634842	44.418	ug/l	100
83) tert-Butylbenzene	11.713	119	635327	44.697	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	635813	45.012	ug/l	99
85) sec-Butylbenzene	11.890	105	788910	44.421	ug/l	100
86) p-Isopropyltoluene	12.006	119	657464	44.641	ug/l	99
87) 1,3-Dichlorobenzene	11.963	146	341658	43.734	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	339977	42.954	ug/l	98
89) n-Butylbenzene	12.329	91	614554	44.495	ug/l	100
90) Hexachloroethane	12.536	117	122818	46.615	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	325077	43.538	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	43941	46.751	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	217953	44.181	ug/l	99
94) Hexachlorobutadiene	13.725	225	73694	43.925	ug/l	98
95) Naphthalene	13.774	128	668308	46.212	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	206227	43.393	ug/l	98

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

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