

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
 Data File : VX046728.D
 Acq On : 18 Jun 2025 09:33
 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 06/19/2025
 Supervised By : Mahesh Dadoda 06/21/2025

Quant Time: Jun 19 01:18:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	153144	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	247293	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	216990	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	104970	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	103522	48.871	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.740%		
35) Dibromofluoromethane	5.391	113	83969	51.320	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.640%		
50) Toluene-d8	8.647	98	297216	50.561	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.120%		
62) 4-Bromofluorobenzene	11.079	95	109436	49.942	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	99.880%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.179	85	87825	53.715	ug/l	99
3) Chloromethane	1.307	50	89297	50.600	ug/l	98
4) Vinyl Chloride	1.386	62	96582	51.321	ug/l	96
5) Bromomethane	1.617	94	57643	54.442	ug/l	96
6) Chloroethane	1.703	64	57854	50.722	ug/l	97
7) Trichlorofluoromethane	1.904	101	144094	50.427	ug/l	99
8) Diethyl Ether	2.142	74	49001	49.967	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.343	101	89694	51.165	ug/l	98
10) Methyl Iodide	2.465	142	99988	45.950	ug/l	99
11) Tert butyl alcohol	2.953	59	37552	197.513	ug/l	99
12) 1,1-Dichloroethene	2.331	96	85474	50.530	ug/l	97
13) Acrolein	2.245	56	67813	244.874	ug/l	99
14) Allyl chloride	2.678	41	148825	48.559	ug/l	100
15) Acrylonitrile	3.068	53	197165	230.626	ug/l	100
16) Acetone	2.386	43	172637	244.395	ug/l	100
17) Carbon Disulfide	2.526	76	236030	46.207	ug/l	100
18) Methyl Acetate	2.709	43	80342	44.781	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	247062	46.907	ug/l	97
20) Methylene Chloride	2.800	84	92732	47.205	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	87048	48.093	ug/l	99
22) Diisopropyl ether	3.763	45	289920	49.215	ug/l	95
23) Vinyl Acetate	3.727	43	1142249	243.835	ug/l	100
24) 1,1-Dichloroethane	3.617	63	161335	48.236	ug/l	99
25) 2-Butanone	4.556	43	217618	217.827	ug/l	100
26) 2,2-Dichloropropane	4.483	77	122642	50.275	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	101031	47.512	ug/l	99
28) Bromochloromethane	4.903	49	81116	53.494	ug/l	99
29) Tetrahydrofuran	5.007	42	141562	219.377	ug/l	100
30) Chloroform	5.099	83	161817	48.377	ug/l	96
31) Cyclohexane	5.477	56	148538	46.830	ug/l	97
32) 1,1,1-Trichloroethane	5.391	97	138647	47.262	ug/l	100
36) 1,1-Dichloropropene	5.696	75	114107	48.312	ug/l	100
37) Ethyl Acetate	4.714	43	96161	44.108	ug/l	100
38) Carbon Tetrachloride	5.684	117	121848	47.537	ug/l	95
39) Methylcyclohexane	7.379	83	150437	48.402	ug/l	99
40) Benzene	6.043	78	338410	48.414	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	57085	49.115	ug/l	97
42) 1,2-Dichloroethane	6.086	62	116628	47.481	ug/l	99
43) Isopropyl Acetate	6.342	43	157598	46.196	ug/l	99
44) Trichloroethene	7.129	130	85692	48.105	ug/l	96
45) 1,2-Dichloropropane	7.433	63	83732	48.335	ug/l	96
46) Dibromomethane	7.580	93	59103	47.472	ug/l	100
47) Bromodichloromethane	7.824	83	123442	48.587	ug/l	100
48) Methyl methacrylate	7.696	41	80965	47.322	ug/l	99
49) 1,4-Dioxane	7.653	88	20224	817.840	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	462115	227.118	ug/l	100
52) Toluene	8.714	92	208762	48.176	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	116724	49.516	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	132187	49.396	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	76422	47.325	ug/l	99
56) Ethyl methacrylate	9.116	69	112902	47.362	ug/l	99
57) 1,3-Dichloropropane	9.305	76	128820	46.323	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	319370	257.912	ug/l	100
59) 2-Hexanone	9.427	43	316244	224.819	ug/l	100
60) Dibromochloromethane	9.518	129	90703	47.662	ug/l	100
61) 1,2-Dibromoethane	9.610	107	78054	47.518	ug/l	99
64) Tetrachloroethene	9.275	164	70305	46.765	ug/l	99
65) Chlorobenzene	10.079	112	225160	47.007	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	76955	47.803	ug/l	99
67) Ethyl Benzene	10.189	91	401054	47.920	ug/l	100
68) m/p-Xylenes	10.299	106	299077	95.905	ug/l	99
69) o-Xylene	10.640	106	142872	48.886	ug/l	99
70) Styrene	10.652	104	247158	48.325	ug/l	99
71) Bromoform	10.799	173	58162	47.441	ug/l #	99
73) Isopropylbenzene	10.957	105	382718	49.504	ug/l	99
74) N-amyl acetate	10.841	43	141644	48.357	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	101190	46.876	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	94587m	49.199	ug/l	
77) Bromobenzene	11.195	156	90654	48.728	ug/l	98
78) n-propylbenzene	11.305	91	454356	49.480	ug/l	100
79) 2-Chlorotoluene	11.360	91	264018	48.156	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	313670	49.373	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	31219	45.899	ug/l	96
82) 4-Chlorotoluene	11.451	91	310790	48.572	ug/l	100
83) tert-Butylbenzene	11.713	119	321103	48.896	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	313812	49.164	ug/l	100
85) sec-Butylbenzene	11.890	105	409901	49.388	ug/l	100
86) p-Isopropyltoluene	12.006	119	340046	48.559	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	169284	46.668	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	170550	45.774	ug/l	99
89) n-Butylbenzene	12.329	91	326557	49.115	ug/l	100
90) Hexachloroethane	12.536	117	58749	47.909	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	162062	47.808	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	18854	44.240	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	112879	46.839	ug/l	98
94) Hexachlorobutadiene	13.725	225	50342	49.658	ug/l	97
95) Naphthalene	13.774	128	321689	46.852	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	110625	47.981	ug/l	99

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

