

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052925\
 Data File : VX046390.D
 Acq On : 29 May 2025 11:27
 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 05/30/2025
 Supervised By : Mahesh Dadoda 05/30/2025

Quant Time: May 30 01:22:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	82744	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	141651	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	125856	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	61906	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	75652	49.041	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.080%		
35) Dibromofluoromethane	5.373	113	52576	51.543	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.080%		
50) Toluene-d8	8.641	98	178695	50.615	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.220%		
62) 4-Bromofluorobenzene	11.079	95	69990	51.682	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	103.360%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	60162	47.504	ug/l	97
3) Chloromethane	1.301	50	55068	44.839	ug/l	98
4) Vinyl Chloride	1.374	62	51408	44.976	ug/l	98
5) Bromomethane	1.593	94	23743	44.785	ug/l	96
6) Chloroethane	1.666	64	30130	49.378	ug/l	99
7) Trichlorofluoromethane	1.874	101	82951	49.104	ug/l	97
8) Diethyl Ether	2.130	74	28287	49.190	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.319	101	53224	50.912	ug/l	99
10) Methyl Iodide	2.441	142	56987	46.069	ug/l	99
11) Tert butyl alcohol	2.971	59	54556	251.949	ug/l	99
12) 1,1-Dichloroethene	2.306	96	46271	47.161	ug/l	97
13) Acrolein	2.233	56	70540	286.050	ug/l	100
14) Allyl chloride	2.654	41	96190	51.298	ug/l	98
15) Acrylonitrile	3.062	53	163097	263.412	ug/l	99
16) Acetone	2.380	43	159385	257.689	ug/l	99
17) Carbon Disulfide	2.502	76	92429	39.736	ug/l	100
18) Methyl Acetate	2.703	43	90338	62.941	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	181027	52.627	ug/l	99
20) Methylene Chloride	2.782	84	56580	47.736	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	46368	46.994	ug/l	92
22) Diisopropyl ether	3.757	45	193320	53.372	ug/l	92
23) Vinyl Acetate	3.715	43	828347	260.016	ug/l	99
24) 1,1-Dichloroethane	3.599	63	103715	51.410	ug/l	98
25) 2-Butanone	4.550	43	233873	260.452	ug/l	99
26) 2,2-Dichloropropane	4.465	77	83564	52.920	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	59601	50.177	ug/l	98
28) Bromochloromethane	4.885	49	50577	52.083	ug/l	95
29) Tetrahydrofuran	4.995	42	145685	258.913	ug/l	98
30) Chloroform	5.080	83	108691	51.689	ug/l	97
31) Cyclohexane	5.458	56	84504	45.966	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	94331	51.751	ug/l	98
36) 1,1-Dichloropropene	5.678	75	68334	49.860	ug/l	100
37) Ethyl Acetate	4.702	43	86347	50.994	ug/l	99
38) Carbon Tetrachloride	5.666	117	78573	51.025	ug/l	96
39) Methylcyclohexane	7.373	83	84991	48.169	ug/l	93
40) Benzene	6.025	78	203838	50.777	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	51049	57.632	ug/l	99
42) 1,2-Dichloroethane	6.080	62	89234	51.504	ug/l	100
43) Isopropyl Acetate	6.330	43	141238	54.676	ug/l	99
44) Trichloroethene	7.117	130	48527	50.225	ug/l	95
45) 1,2-Dichloropropane	7.421	63	54599	54.697	ug/l	99
46) Dibromomethane	7.574	93	40123	50.963	ug/l	97
47) Bromodichloromethane	7.818	83	83876	54.092	ug/l	98
48) Methyl methacrylate	7.684	41	74307	56.325	ug/l	98
49) 1,4-Dioxane	7.653	88	25081	1001.270	ug/l	98
51) 4-Methyl-2-Pentanone	8.567	43	474614	276.793	ug/l	99
52) Toluene	8.714	92	127156	51.657	ug/l	100
53) t-1,3-Dichloropropene	8.970	75	76246	55.320	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	82715	54.299	ug/l	96
55) 1,1,2-Trichloroethane	9.147	97	52308	53.892	ug/l	97
56) Ethyl methacrylate	9.110	69	86542	55.944	ug/l	98
57) 1,3-Dichloropropane	9.305	76	91988	52.772	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	225859	286.388	ug/l	99
59) 2-Hexanone	9.427	43	349687	275.651	ug/l	100
60) Dibromochloromethane	9.519	129	59858	56.155	ug/l	99
61) 1,2-Dibromoethane	9.604	107	53619	53.151	ug/l	98
64) Tetrachloroethene	9.269	164	44107	49.531	ug/l	96
65) Chlorobenzene	10.073	112	139273	50.559	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	50107	53.269	ug/l	99
67) Ethyl Benzene	10.189	91	251819	51.860	ug/l	99
68) m/p-Xylenes	10.299	106	186581	105.059	ug/l	100
69) o-Xylene	10.640	106	91369	52.772	ug/l	99
70) Styrene	10.652	104	156341	55.123	ug/l	100
71) Bromoform	10.799	173	38584	54.635	ug/l #	96
73) Isopropylbenzene	10.957	105	246293	51.103	ug/l	100
74) N-amyl acetate	10.841	43	125616	52.745	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	84735	50.170	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	76049m	51.036	ug/l	
77) Bromobenzene	11.195	156	55608	49.698	ug/l	99
78) n-propylbenzene	11.299	91	295238	52.684	ug/l	99
79) 2-Chlorotoluene	11.360	91	178838	49.477	ug/l	100
80) 1,3,5-Trimethylbenzene	11.445	105	210435	52.264	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.012	75	24099	52.653	ug/l	99
82) 4-Chlorotoluene	11.451	91	207427	51.748	ug/l	100
83) tert-Butylbenzene	11.713	119	211550	52.161	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	214346	52.568	ug/l	100
85) sec-Butylbenzene	11.884	105	267276	53.672	ug/l	99
86) p-Isopropyltoluene	12.006	119	221581	53.907	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	106341	52.075	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	106880	51.249	ug/l	99
89) n-Butylbenzene	12.329	91	202809	56.249	ug/l	100
90) Hexachloroethane	12.536	117	37665	52.012	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	106601	52.021	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19591	52.360	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	63122	53.630	ug/l	99
94) Hexachlorobutadiene	13.719	225	27956	54.385	ug/l	98
95) Naphthalene	13.774	128	222575	51.561	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	65337	53.800	ug/l	99

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

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