

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101025\
 Data File : VX048124.D
 Acq On : 10 Oct 2025 19:40
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/13/2025
 Supervised By : Mahesh Dadoda 10/13/2025

Quant Time: Oct 10 23:54:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	115924	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	213821	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	202631	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	108959	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	99304	53.817	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.640%			
35) Dibromofluoromethane	5.373	113	73813	51.473	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.940%			
50) Toluene-d8	8.635	98	247909	49.962	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.920%			
62) 4-Bromofluorobenzene	11.061	95	102307	54.328	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.660%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.173	85	71543	59.599	ug/l	99
3) Chloromethane	1.301	50	86176	54.622	ug/l	99
4) Vinyl Chloride	1.380	62	92443	59.858	ug/l	98
5) Bromomethane	1.612	94	59066	60.314	ug/l	95
6) Chloroethane	1.691	64	58887	57.050	ug/l	96
7) Trichlorofluoromethane	1.898	101	133569	58.249	ug/l	99
8) Diethyl Ether	2.136	74	51311	54.701	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	75360	56.204	ug/l	100
10) Methyl Iodide	2.459	142	108727	51.994	ug/l	98
11) Tert butyl alcohol	2.947	59	46469	226.118	ug/l	98
12) 1,1-Dichloroethene	2.325	96	78691	57.134	ug/l	95
13) Acrolein	2.240	56	48494	256.068	ug/l	99
14) Allyl chloride	2.666	41	146978	51.715	ug/l	99
15) Acrylonitrile	3.056	53	207552	272.659	ug/l	99
16) Acetone	2.374	43	162518	202.563	ug/l	98
17) Carbon Disulfide	2.514	76	227932	60.452	ug/l	100
18) Methyl Acetate	2.703	43	83613	46.828	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	272093	54.118	ug/l	98
20) Methylene Chloride	2.788	84	95705	56.354	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	85855	57.899	ug/l	98
22) Diisopropyl ether	3.751	45	308357	55.983	ug/l #	80
23) Vinyl Acetate	3.715	43	1250296	283.620	ug/l	100
24) 1,1-Dichloroethane	3.605	63	165382	56.491	ug/l	97
25) 2-Butanone	4.544	43	245843	245.652	ug/l	97
26) 2,2-Dichloropropane	4.471	77	120065	49.337	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	103270	56.868	ug/l	97
28) Bromochloromethane	4.885	49	75279	58.900	ug/l	99
29) Tetrahydrofuran	4.989	42	154067	255.907	ug/l	99
30) Chloroform	5.087	83	170257	57.550	ug/l	94
31) Cyclohexane	5.465	56	136213	55.864	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	142215	56.674	ug/l	99
36) 1,1-Dichloropropene	5.684	75	112448	53.664	ug/l	100
37) Ethyl Acetate	4.702	43	111112	49.524	ug/l	100
38) Carbon Tetrachloride	5.672	117	120916	53.110	ug/l	95
39) Methylcyclohexane	7.367	83	126913	53.357	ug/l	97
40) Benzene	6.025	78	353456	55.537	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	58889	50.842	ug/l	99
42) 1,2-Dichloroethane	6.074	62	131974	54.500	ug/l	100
43) Isopropyl Acetate	6.324	43	182608	49.627	ug/l	99
44) Trichloroethene	7.111	130	83781	54.451	ug/l	98
45) 1,2-Dichloropropane	7.415	63	90070	55.269	ug/l	99
46) Dibromomethane	7.568	93	66354	55.952	ug/l	99
47) Bromodichloromethane	7.806	83	134946	55.144	ug/l	99
48) Methyl methacrylate	7.678	41	93383	50.949	ug/l	99
49) 1,4-Dioxane	7.647	88	20865	1126.435	ug/l	96
51) 4-Methyl-2-Pentanone	8.562	43	527706	258.661	ug/l	100
52) Toluene	8.702	92	220041	56.118	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	133380	53.434	ug/l	100
54) cis-1,3-Dichloropropene	8.354	75	147096	55.133	ug/l	99
55) 1,1,2-Trichloroethane	9.135	97	82800	54.764	ug/l	96
56) Ethyl methacrylate	9.104	69	128555	54.141	ug/l	98
57) 1,3-Dichloropropane	9.293	76	146320	56.337	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	300624	263.994	ug/l	100
59) 2-Hexanone	9.415	43	359879	245.611	ug/l	99
60) Dibromochloromethane	9.507	129	99916	57.354	ug/l	100
61) 1,2-Dibromoethane	9.592	107	88086	57.200	ug/l	100
64) Tetrachloroethene	9.263	164	70394	53.291	ug/l	97
65) Chlorobenzene	10.061	112	242656	52.712	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.147	131	83378	52.488	ug/l	99
67) Ethyl Benzene	10.177	91	413625	52.075	ug/l	99
68) m/p-Xylenes	10.287	106	316828	107.168	ug/l	98
69) o-Xylene	10.622	106	149891	52.418	ug/l	99
70) Styrene	10.640	104	264817	52.853	ug/l	98
71) Bromoform	10.781	173	60646	51.130	ug/l #	99
73) Isopropylbenzene	10.945	105	377029	45.514	ug/l	98
74) N-amyl acetate	10.829	43	162680	43.065	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	113538	45.302	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	102201m	46.327	ug/l	
77) Bromobenzene	11.183	156	96645	47.370	ug/l	97
78) n-propylbenzene	11.287	91	455204	46.485	ug/l	99
79) 2-Chlorotoluene	11.348	91	276346	46.076	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	316254	46.468	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	33955	39.251	ug/l	100
82) 4-Chlorotoluene	11.439	91	328330	46.351	ug/l	99
83) tert-Butylbenzene	11.695	119	315475	45.281	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	324439	47.020	ug/l	99
85) sec-Butylbenzene	11.872	105	379460	45.854	ug/l	100
86) p-Isopropyltoluene	11.994	119	319363	45.585	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	174074	45.935	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	175818	45.205	ug/l	100
89) n-Butylbenzene	12.317	91	293175	45.225	ug/l	99
90) Hexachloroethane	12.518	117	57744	46.945	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	167273	46.332	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.921	75	21745	42.854	ug/l	100
93) 1,2,4-Trichlorobenzene	13.567	180	102039	43.488	ug/l	98
94) Hexachlorobutadiene	13.707	225	34201	42.912	ug/l	99
95) Naphthalene	13.756	128	310337	43.435	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	95358	43.689	ug/l	99

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

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