

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
 Data File : VX047951.D
 Acq On : 01 Oct 2025 18:59
 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 10/03/2025
 Supervised By : Mahesh Dadoda 10/03/2025

Quant Time: Oct 03 01:29:49 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	5.538	168	124660	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	226992	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	208710	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	104001	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	101072	50.937	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.880%			
35) Dibromofluoromethane	5.373	113	78410	51.506	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.020%			
50) Toluene-d8	8.635	98	266707	50.632	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.260%			
62) 4-Bromofluorobenzene	11.061	95	103069	51.557	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.120%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	67209	52.065	ug/l	99
3) Chloromethane	1.301	50	80963	47.722	ug/l	99
4) Vinyl Chloride	1.380	62	85210	51.308	ug/l	99
5) Bromomethane	1.612	94	56958	54.086	ug/l	99
6) Chloroethane	1.697	64	55454	49.959	ug/l	100
7) Trichlorofluoromethane	1.898	101	128341	52.047	ug/l	96
8) Diethyl Ether	2.136	74	53246	52.786	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	73923	51.269	ug/l	99
10) Methyl Iodide	2.459	142	106016	47.145	ug/l	99
11) Tert butyl alcohol	2.947	59	54886	248.358	ug/l	99
12) 1,1-Dichloroethene	2.325	96	75949	51.279	ug/l	95
13) Acrolein	2.240	56	47165	231.598	ug/l	98
14) Allyl chloride	2.666	41	147774	48.351	ug/l	98
15) Acrylonitrile	3.063	53	237904	290.630	ug/l	99
16) Acetone	2.374	43	189112	219.192	ug/l	99
17) Carbon Disulfide	2.520	76	191428	47.212	ug/l	99
18) Methyl Acetate	2.703	43	117298	61.090	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	292311	54.065	ug/l	99
20) Methylene Chloride	2.788	84	96882	53.050	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	81281	50.973	ug/l	98
22) Diisopropyl ether	3.758	45	319485	53.938	ug/l	97
23) Vinyl Acetate	3.715	43	1303516	274.971	ug/l	99
24) 1,1-Dichloroethane	3.611	63	167944	53.346	ug/l	98
25) 2-Butanone	4.544	43	286746	266.444	ug/l	97
26) 2,2-Dichloropropane	4.471	77	108024	41.278	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	102913	52.700	ug/l	97
28) Bromochloromethane	4.885	49	75845	55.184	ug/l	98
29) Tetrahydrofuran	4.995	42	182504	281.897	ug/l	100
30) Chloroform	5.080	83	173609	54.571	ug/l	100
31) Cyclohexane	5.465	56	125293	47.784	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	143628	53.226	ug/l	99
36) 1,1-Dichloropropene	5.684	75	106778	48.001	ug/l	98
37) Ethyl Acetate	4.702	43	124608	52.317	ug/l	99
38) Carbon Tetrachloride	5.666	117	121207	50.149	ug/l	98
39) Methylcyclohexane	7.367	83	117508	46.536	ug/l	100
40) Benzene	6.025	78	350517	51.880	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	70523	57.354	ug/l	99
42) 1,2-Dichloroethane	6.074	62	134642	52.376	ug/l	99
43) Isopropyl Acetate	6.324	43	209765	53.699	ug/l	100
44) Trichloroethene	7.111	130	83472	51.102	ug/l	100
45) 1,2-Dichloropropane	7.415	63	92922	53.711	ug/l	97
46) Dibromomethane	7.568	93	67714	53.786	ug/l	97
47) Bromodichloromethane	7.806	83	142081	54.690	ug/l	97
48) Methyl methacrylate	7.678	41	105840	54.395	ug/l	98
49) 1,4-Dioxane	7.647	88	24256	1233.522	ug/l	97
51) 4-Methyl-2-Pentanone	8.555	43	628101	290.007	ug/l	100
52) Toluene	8.702	92	217465	52.243	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	137793	51.999	ug/l	100
54) cis-1,3-Dichloropropene	8.354	75	145487	51.366	ug/l	97
55) 1,1,2-Trichloroethane	9.135	97	90452	56.354	ug/l	99
56) Ethyl methacrylate	9.104	69	140278	55.650	ug/l	98
57) 1,3-Dichloropropane	9.293	76	154812	56.148	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	349890	287.656	ug/l	100
59) 2-Hexanone	9.415	43	436044	280.325	ug/l	99
60) Dibromochloromethane	9.507	129	104459	56.483	ug/l	100
61) 1,2-Dibromoethane	9.592	107	92545	56.608	ug/l	100
64) Tetrachloroethene	9.263	164	68132	50.076	ug/l	95
65) Chlorobenzene	10.061	112	242961	51.241	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	87283	53.346	ug/l	98
67) Ethyl Benzene	10.177	91	413758	50.575	ug/l	99
68) m/p-Xylenes	10.287	106	312179	102.520	ug/l	98
69) o-Xylene	10.628	106	152586	51.807	ug/l	99
70) Styrene	10.640	104	270885	52.490	ug/l	99
71) Bromoform	10.781	173	67667	55.387	ug/l #	96
73) Isopropylbenzene	10.945	105	387978	49.069	ug/l	100
74) N-amyl acetate	10.829	43	186045	51.599	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	128423	53.684	ug/l	97
76) 1,2,3-Trichloropropane	11.220	75	100244m	47.606	ug/l	
77) Bromobenzene	11.183	156	97437	50.034	ug/l	99
78) n-propylbenzene	11.287	91	457669	48.965	ug/l	99
79) 2-Chlorotoluene	11.348	91	282868	49.411	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	318890	49.089	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	38178	46.236	ug/l	99
82) 4-Chlorotoluene	11.439	91	334477	49.470	ug/l	100
83) tert-Butylbenzene	11.695	119	321817	48.394	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	326533	49.580	ug/l	100
85) sec-Butylbenzene	11.872	105	388696	49.209	ug/l	100
86) p-Isopropyltoluene	11.994	119	320945	47.994	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	179605	49.654	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	182671	49.206	ug/l	100
89) n-Butylbenzene	12.317	91	295960	47.831	ug/l	99
90) Hexachloroethane	12.518	117	59726	50.871	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	174092	50.519	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.927	75	25868	53.410	ug/l	99
93) 1,2,4-Trichlorobenzene	13.567	180	108351	48.379	ug/l	99
94) Hexachlorobutadiene	13.701	225	35255	46.344	ug/l	98
95) Naphthalene	13.756	128	351451	51.534	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	105429	50.606	ug/l	97

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

