

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060325\
 Data File : VX046486.D
 Acq On : 03 Jun 2025 20:25
 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 06/04/2025
 Supervised By : Mahesh Dadoda 06/04/2025

Quant Time: Jun 04 01:35:41 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	5.544	168	80122	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	143610	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127089	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	61048	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	72135	48.292	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.580%		
35) Dibromofluoromethane	5.379	113	51124	49.436	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.880%		
50) Toluene-d8	8.647	98	168819	47.165	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.340%		
62) 4-Bromofluorobenzene	11.079	95	70871	51.619	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	103.240%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	49352	40.244	ug/l	97
3) Chloromethane	1.307	50	47624	40.046	ug/l	97
4) Vinyl Chloride	1.374	62	46111	41.662	ug/l	99
5) Bromomethane	1.593	94	18265	35.580	ug/l	97
6) Chloroethane	1.666	64	27222	46.072	ug/l	97
7) Trichlorofluoromethane	1.874	101	72155	44.111	ug/l	99
8) Diethyl Ether	2.130	74	26541	47.664	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	46349	45.787	ug/l	97
10) Methyl Iodide	2.447	142	59982	50.077	ug/l	99
11) Tert butyl alcohol	2.977	59	69693	332.386	ug/l	99
12) 1,1-Dichloroethene	2.307	96	42762	45.010	ug/l	99
13) Acrolein	2.239	56	58249	243.938	ug/l	95
14) Allyl chloride	2.660	41	90860	50.041	ug/l	95
15) Acrylonitrile	3.062	53	166739	278.106	ug/l	98
16) Acetone	2.386	43	163107	272.337	ug/l	100
17) Carbon Disulfide	2.502	76	75405	33.478	ug/l	99
18) Methyl Acetate	2.703	43	101107	72.749	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	186100	55.872	ug/l	99
20) Methylene Chloride	2.782	84	52669	45.890	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	43658	45.695	ug/l	97
22) Diisopropyl ether	3.764	45	191730	54.666	ug/l	93
23) Vinyl Acetate	3.721	43	820777	266.071	ug/l	100
24) 1,1-Dichloroethane	3.605	63	100414	51.402	ug/l	100
25) 2-Butanone	4.556	43	254552	292.758	ug/l	100
26) 2,2-Dichloropropane	4.471	77	62527	40.894	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	57943	50.378	ug/l	98
28) Bromochloromethane	4.891	49	47479	50.493	ug/l	99
29) Tetrahydrofuran	5.007	42	156899	287.968	ug/l	99
30) Chloroform	5.087	83	106714	52.410	ug/l	97
31) Cyclohexane	5.464	56	80308	45.113	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	91763	51.989	ug/l	98
36) 1,1-Dichloropropene	5.690	75	62759	45.167	ug/l	96
37) Ethyl Acetate	4.715	43	91596	53.356	ug/l	100
38) Carbon Tetrachloride	5.672	117	74005	47.403	ug/l	97
39) Methylcyclohexane	7.379	83	79510	44.448	ug/l	99
40) Benzene	6.031	78	201308	49.463	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	54177	60.329	ug/l	98
42) 1,2-Dichloroethane	6.080	62	88249	50.240	ug/l	100
43) Isopropyl Acetate	6.342	43	155151	59.242	ug/l	99
44) Trichloroethene	7.123	130	47910	48.910	ug/l	92
45) 1,2-Dichloropropane	7.428	63	54922	54.270	ug/l	97
46) Dibromomethane	7.580	93	40591	50.854	ug/l	99
47) Bromodichloromethane	7.818	83	82121	52.237	ug/l	99
48) Methyl methacrylate	7.690	41	78532	58.715	ug/l	99
49) 1,4-Dioxane	7.665	88	30030	1182.487	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	511610	294.298	ug/l	100
52) Toluene	8.714	92	126020	50.497	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	75146	53.778	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	82115	53.169	ug/l	95
55) 1,1,2-Trichloroethane	9.147	97	53770	54.643	ug/l	98
56) Ethyl methacrylate	9.116	69	95030	60.593	ug/l	99
57) 1,3-Dichloropropane	9.305	76	92225	52.186	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	223496	279.526	ug/l	99
59) 2-Hexanone	9.427	43	391242	304.201	ug/l	100
60) Dibromochloromethane	9.519	129	58826	54.434	ug/l	100
61) 1,2-Dibromoethane	9.610	107	54971	53.748	ug/l	97
64) Tetrachloroethene	9.269	164	41027	45.626	ug/l	97
65) Chlorobenzene	10.080	112	138505	49.792	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	50287	52.942	ug/l	98
67) Ethyl Benzene	10.189	91	250449	51.077	ug/l	100
68) m/p-Xylenes	10.299	106	181843	101.398	ug/l	98
69) o-Xylene	10.640	106	93498	53.478	ug/l	99
70) Styrene	10.653	104	155343	54.240	ug/l	99
71) Bromoform	10.799	173	38761	54.353	ug/l #	98
73) Isopropylbenzene	10.957	105	247204	52.013	ug/l	99
74) N-amyl acetate	10.842	43	138341	58.905	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	89844	53.943	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	77432m	52.694	ug/l	
77) Bromobenzene	11.195	156	55881	50.644	ug/l	99
78) n-propylbenzene	11.299	91	286276	51.803	ug/l	100
79) 2-Chlorotoluene	11.360	91	176598	49.544	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	206301	51.957	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	22427	49.689	ug/l	99
82) 4-Chlorotoluene	11.451	91	202465	51.220	ug/l	99
83) tert-Butylbenzene	11.713	119	207546	51.893	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	211228	52.532	ug/l	100
85) sec-Butylbenzene	11.890	105	258780	52.697	ug/l	100
86) p-Isopropyltoluene	12.006	119	213478	52.665	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	104712	51.998	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	103759	50.452	ug/l	100
89) n-Butylbenzene	12.329	91	188888	53.124	ug/l	99
90) Hexachloroethane	12.536	117	36963	51.760	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	108286	53.586	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	22293	60.419	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	64675	55.722	ug/l	100
94) Hexachlorobutadiene	13.719	225	26115	51.518	ug/l	97
95) Naphthalene	13.774	128	254087	59.688	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	66653	55.655	ug/l	99

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

