

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
 Data File : VX046228.D
 Acq On : 16 May 2025 09:22
 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 05/19/2025
 Supervised By : Mahesh Dadoda 05/19/2025

Quant Time: May 16 22:58:34 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	94540	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	157316	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	136812	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65634	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	84658	48.032	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.060%		
35) Dibromofluoromethane	5.373	113	59828	52.812	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	105.620%		
50) Toluene-d8	8.641	98	200757	51.202	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.400%		
62) 4-Bromofluorobenzene	11.079	95	76464	50.840	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	101.680%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	72708	50.247	ug/l	99
3) Chloromethane	1.307	50	67192	47.884	ug/l	100
4) Vinyl Chloride	1.374	62	61036	46.736	ug/l	98
5) Bromomethane	1.593	94	27434	45.291	ug/l	95
6) Chloroethane	1.666	64	34167	49.007	ug/l	98
7) Trichlorofluoromethane	1.874	101	97121	50.319	ug/l	98
8) Diethyl Ether	2.130	74	30948	47.102	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	59749	50.023	ug/l	98
10) Methyl Iodide	2.447	142	63487	44.920	ug/l	98
11) Tert butyl alcohol	2.971	59	57816	233.689	ug/l	99
12) 1,1-Dichloroethene	2.307	96	53013	47.290	ug/l	97
13) Acrolein	2.233	56	83413	296.047	ug/l	98
14) Allyl chloride	2.654	41	106749	49.825	ug/l	98
15) Acrylonitrile	3.063	53	175642	248.278	ug/l	97
16) Acetone	2.380	43	180437	255.326	ug/l	99
17) Carbon Disulfide	2.502	76	117391	44.170	ug/l	99
18) Methyl Acetate	2.703	43	89072	54.316	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	190917	48.577	ug/l	99
20) Methylene Chloride	2.782	84	61607	45.492	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	53981	47.883	ug/l	99
22) Diisopropyl ether	3.758	45	206352	49.862	ug/l	92
23) Vinyl Acetate	3.715	43	901560	247.687	ug/l	100
24) 1,1-Dichloroethane	3.599	63	111905	48.548	ug/l	99
25) 2-Butanone	4.550	43	257659	251.138	ug/l	99
26) 2,2-Dichloropropane	4.465	77	89785	49.765	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	64624	47.618	ug/l	98
28) Bromochloromethane	4.885	49	56389	50.823	ug/l	97
29) Tetrahydrofuran	4.995	42	154815	240.809	ug/l	99
30) Chloroform	5.080	83	118538	49.338	ug/l	97
31) Cyclohexane	5.452	56	97796	46.559	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	101438	48.706	ug/l	100
36) 1,1-Dichloropropene	5.684	75	74185	48.739	ug/l	100
37) Ethyl Acetate	4.709	43	89562	47.626	ug/l	100
38) Carbon Tetrachloride	5.666	117	87289	51.040	ug/l	99
39) Methylcyclohexane	7.373	83	95724	48.850	ug/l	98
40) Benzene	6.025	78	222999	50.018	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	53940	54.832	ug/l	99
42) 1,2-Dichloroethane	6.074	62	96614	50.211	ug/l	99
43) Isopropyl Acetate	6.330	43	146639	51.114	ug/l	100
44) Trichloroethene	7.117	130	53597	49.949	ug/l	97
45) 1,2-Dichloropropane	7.422	63	58734	52.981	ug/l	100
46) Dibromomethane	7.574	93	44285	50.649	ug/l	98
47) Bromodichloromethane	7.812	83	91074	52.885	ug/l	100
48) Methyl methacrylate	7.690	41	77288	52.751	ug/l	99
49) 1,4-Dioxane	7.659	88	27536	989.815	ug/l	97
51) 4-Methyl-2-Pentanone	8.568	43	494732	259.795	ug/l	99
52) Toluene	8.714	92	135948	49.729	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	81342	53.141	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	89779	53.067	ug/l	95
55) 1,1,2-Trichloroethane	9.147	97	55594	51.574	ug/l	98
56) Ethyl methacrylate	9.110	69	89568	52.135	ug/l	99
57) 1,3-Dichloropropane	9.305	76	96981	50.096	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	225847	257.856	ug/l	99
59) 2-Hexanone	9.427	43	368232	261.365	ug/l	100
60) Dibromochloromethane	9.519	129	63223	53.406	ug/l	99
61) 1,2-Dibromoethane	9.604	107	57219	51.072	ug/l	98
64) Tetrachloroethene	9.269	164	50960	52.644	ug/l	96
65) Chlorobenzene	10.073	112	147965	49.413	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	52401	51.247	ug/l	99
67) Ethyl Benzene	10.189	91	268462	50.860	ug/l	99
68) m/p-Xylenes	10.299	106	196020	101.535	ug/l	98
69) o-Xylene	10.640	106	95561	50.773	ug/l	96
70) Styrene	10.653	104	163876	53.153	ug/l	100
71) Bromoform	10.799	173	40561	52.835	ug/l #	96
73) Isopropylbenzene	10.957	105	260802	51.040	ug/l	99
74) N-amyl acetate	10.842	43	127992	50.690	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	85085	47.516	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	77417m	49.003	ug/l	
77) Bromobenzene	11.195	156	58378	49.210	ug/l	99
78) n-propylbenzene	11.299	91	304551	51.259	ug/l	100
79) 2-Chlorotoluene	11.360	91	186494	48.665	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	219647	51.453	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	24485	50.458	ug/l	99
82) 4-Chlorotoluene	11.451	91	217774	51.243	ug/l	99
83) tert-Butylbenzene	11.713	119	215261	50.061	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	222505	51.470	ug/l	99
85) sec-Butylbenzene	11.890	105	273582	51.818	ug/l	100
86) p-Isopropyltoluene	12.006	119	228062	52.332	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	109022	50.355	ug/l	100
88) 1,4-Dichlorobenzene	12.037	146	109800	49.659	ug/l	99
89) n-Butylbenzene	12.329	91	203342	53.194	ug/l	100
90) Hexachloroethane	12.536	117	39615	51.597	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	109405	50.357	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19788	49.883	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	63089	50.558	ug/l	98
94) Hexachlorobutadiene	13.719	225	27652	50.738	ug/l	98
95) Naphthalene	13.774	128	221283	48.350	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	63364	49.212	ug/l	100

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

