

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
 Data File : VX046458.D
 Acq On : 02 Jun 2025 21:03
 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 06/03/2025
 Supervised By : Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 01:38:02 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	86881	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	154530	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	134611	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65250	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	79610	49.150	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.300%		
35) Dibromofluoromethane	5.379	113	54401	48.888	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.780%		
50) Toluene-d8	8.647	98	180839	46.953	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.900%		
62) 4-Bromofluorobenzene	11.079	95	75128	50.852	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	101.700%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	54936	41.312	ug/l	99
3) Chloromethane	1.307	50	52690	40.859	ug/l	98
4) Vinyl Chloride	1.374	62	49493	41.238	ug/l	99
5) Bromomethane	1.593	94	22493	40.407	ug/l	97
6) Chloroethane	1.666	64	28999	45.261	ug/l	96
7) Trichlorofluoromethane	1.874	101	80136	45.179	ug/l	100
8) Diethyl Ether	2.136	74	27679	45.840	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	51088	46.542	ug/l	98
10) Methyl Iodide	2.447	142	60804	46.814	ug/l	99
11) Tert butyl alcohol	2.977	59	62005	272.714	ug/l	100
12) 1,1-Dichloroethene	2.307	96	46638	45.271	ug/l	98
13) Acrolein	2.233	56	57041	220.295	ug/l	97
14) Allyl chloride	2.660	41	94969	48.235	ug/l	97
15) Acrylonitrile	3.063	53	172119	264.746	ug/l	97
16) Acetone	2.386	43	168019	258.714	ug/l	99
17) Carbon Disulfide	2.502	76	78054	31.958	ug/l	100
18) Methyl Acetate	2.703	43	102286	67.872	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	192023	53.166	ug/l	98
20) Methylene Chloride	2.782	84	57238	45.991	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	46964	45.331	ug/l	97
22) Diisopropyl ether	3.758	45	200975	52.844	ug/l	98
23) Vinyl Acetate	3.721	43	833035	249.037	ug/l	100
24) 1,1-Dichloroethane	3.605	63	107380	50.692	ug/l	98
25) 2-Butanone	4.556	43	258626	274.303	ug/l	99
26) 2,2-Dichloropropane	4.465	77	68394	41.251	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	62380	50.016	ug/l	98
28) Bromochloromethane	4.891	49	49315	48.365	ug/l	99
29) Tetrahydrofuran	5.001	42	161530	273.404	ug/l	99
30) Chloroform	5.087	83	113143	51.244	ug/l	97
31) Cyclohexane	5.465	56	87541	45.351	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	94169	49.202	ug/l	100
36) 1,1-Dichloropropene	5.690	75	68978	46.135	ug/l	100
37) Ethyl Acetate	4.715	43	92588	50.123	ug/l	99
38) Carbon Tetrachloride	5.672	117	76745	45.684	ug/l	98
39) Methylcyclohexane	7.373	83	83705	43.486	ug/l	98
40) Benzene	6.032	78	212075	48.426	ug/l	100

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41) Methacrylonitrile	4.916	41	55379	57.310	ug/l	99
42) 1,2-Dichloroethane	6.080	62	93096	49.255	ug/l	100
43) Isopropyl Acetate	6.336	43	152230	54.019	ug/l	100
44) Trichloroethene	7.123	130	51197	48.572	ug/l	95
45) 1,2-Dichloropropane	7.428	63	57315	52.633	ug/l	99
46) Dibromomethane	7.580	93	42769	49.797	ug/l	99
47) Bromodichloromethane	7.818	83	85422	50.497	ug/l	100
48) Methyl methacrylate	7.690	41	79255	55.068	ug/l	98
49) 1,4-Dioxane	7.659	88	30796	1126.957	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	515387	275.521	ug/l	100
52) Toluene	8.714	92	132032	49.167	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	74355	49.452	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	83244	50.091	ug/l	100
55) 1,1,2-Trichloroethane	9.147	97	55747	52.649	ug/l	96
56) Ethyl methacrylate	9.116	69	94610	56.063	ug/l	98
57) 1,3-Dichloropropane	9.305	76	96849	50.930	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	231600	269.192	ug/l	100
59) 2-Hexanone	9.427	43	389332	281.324	ug/l	100
60) Dibromochloromethane	9.519	129	60928	52.395	ug/l	97
61) 1,2-Dibromoethane	9.604	107	56205	51.071	ug/l	97
64) Tetrachloroethene	9.269	164	45508	47.781	ug/l	95
65) Chlorobenzene	10.073	112	144794	49.144	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	50829	50.522	ug/l	98
67) Ethyl Benzene	10.189	91	266210	51.258	ug/l	100
68) m/p-Xylenes	10.299	106	188522	99.248	ug/l	97
69) o-Xylene	10.640	106	97019	52.391	ug/l	99
70) Styrene	10.653	104	162549	53.584	ug/l	99
71) Bromoform	10.799	173	37632	49.821	ug/l #	99
73) Isopropylbenzene	10.957	105	256908	50.573	ug/l	100
74) N-amyl acetate	10.842	43	135161	53.845	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	90150	50.641	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	78539m	50.006	ug/l	
77) Bromobenzene	11.195	156	58992	50.020	ug/l	100
78) n-propylbenzene	11.299	91	299383	50.686	ug/l	100
79) 2-Chlorotoluene	11.360	91	187210	49.139	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	215134	50.692	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	22448	46.532	ug/l	99
82) 4-Chlorotoluene	11.451	91	211736	50.116	ug/l	100
83) tert-Butylbenzene	11.713	119	217317	50.837	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	220780	51.371	ug/l	100
85) sec-Butylbenzene	11.890	105	275381	52.466	ug/l	99
86) p-Isopropyltoluene	12.006	119	229003	52.857	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	109215	50.741	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	108545	49.380	ug/l	98
89) n-Butylbenzene	12.329	91	204359	53.774	ug/l	100
90) Hexachloroethane	12.536	117	36027	47.200	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	110858	51.326	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20714	52.525	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	65854	53.084	ug/l	99
94) Hexachlorobutadiene	13.725	225	26906	49.660	ug/l	100
95) Naphthalene	13.774	128	251191	55.208	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	67594	52.806	ug/l	99

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

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