

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
 Data File : VX046253.D
 Acq On : 16 May 2025 19:12
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 16 23:10:59 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

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/19/2025
 Supervised By : Mahesh Dadoda 05/19/2025

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	82596	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	146723	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	130193	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	61283	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	80563	52.319	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.640%			
35) Dibromofluoromethane	5.385	113	56817	53.775	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.560%			
50) Toluene-d8	8.647	98	191233	52.294	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.580%			
62) 4-Bromofluorobenzene	11.079	95	76882	54.809	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.620%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	67814	53.642	ug/l	98
3) Chloromethane	1.307	50	63121	51.488	ug/l	96
4) Vinyl Chloride	1.374	62	60761	53.253	ug/l	100
5) Bromomethane	1.593	94	24995	47.231	ug/l	99
6) Chloroethane	1.666	64	34927	57.342	ug/l	99
7) Trichlorofluoromethane	1.874	101	90355	53.583	ug/l	98
8) Diethyl Ether	2.136	74	30041	52.333	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	55307	53.000	ug/l	99
10) Methyl Iodide	2.441	142	70193	56.847	ug/l	100
11) Tert butyl alcohol	2.983	59	57219	264.720	ug/l	100
12) 1,1-Dichloroethene	2.306	96	51583	52.669	ug/l	99
13) Acrolein	2.239	56	71586	290.811	ug/l	97
14) Allyl chloride	2.654	41	102891	54.970	ug/l	96
15) Acrylonitrile	3.062	53	174881	282.950	ug/l	98
16) Acetone	2.386	43	165511	268.073	ug/l	99
17) Carbon Disulfide	2.502	76	112573	48.483	ug/l	100
18) Methyl Acetate	2.709	43	90325	63.045	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	189386	55.156	ug/l	100
20) Methylene Chloride	2.782	84	59801	50.544	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	53040	53.852	ug/l	98
22) Diisopropyl ether	3.763	45	202388	55.976	ug/l	92
23) Vinyl Acetate	3.721	43	888044	279.254	ug/l	99
24) 1,1-Dichloroethane	3.605	63	111313	55.275	ug/l	98
25) 2-Butanone	4.556	43	255376	284.908	ug/l	100
26) 2,2-Dichloropropane	4.471	77	68739	43.610	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	63957	53.941	ug/l	98
28) Bromochloromethane	4.891	49	51049	52.663	ug/l	99
29) Tetrahydrofuran	5.007	42	161067	286.763	ug/l	99
30) Chloroform	5.093	83	115471	55.012	ug/l	99
31) Cyclohexane	5.464	56	98746	53.809	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	98423	54.092	ug/l	99
36) 1,1-Dichloropropene	5.684	75	74762	52.664	ug/l	99
37) Ethyl Acetate	4.715	43	96594	55.074	ug/l	99
38) Carbon Tetrachloride	5.672	117	82707	51.853	ug/l	92
39) Methylcyclohexane	7.379	83	93170	50.979	ug/l	96
40) Benzene	6.031	78	223416	53.730	ug/l	100

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41) Methacrylonitrile	4.922	41	55436	60.421	ug/l	99
42) 1,2-Dichloroethane	6.080	62	95675	53.312	ug/l	100
43) Isopropyl Acetate	6.342	43	151373	56.573	ug/l	99
44) Trichloroethene	7.123	130	52437	52.396	ug/l	97
45) 1,2-Dichloropropane	7.427	63	57490	55.603	ug/l	100
46) Dibromomethane	7.580	93	43675	53.557	ug/l	99
47) Bromodichloromethane	7.818	83	89037	55.435	ug/l	99
48) Methyl methacrylate	7.690	41	79848	58.433	ug/l	99
49) 1,4-Dioxane	7.659	88	28388	1094.114	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	513350	289.034	ug/l	99
52) Toluene	8.714	92	138100	54.163	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	76570	53.635	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	84943	53.834	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	55307	55.012	ug/l	98
56) Ethyl methacrylate	9.116	69	94587	59.031	ug/l	98
57) 1,3-Dichloropropane	9.305	76	98152	54.362	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	222416	272.273	ug/l	100
59) 2-Hexanone	9.427	43	378406	287.978	ug/l	100
60) Dibromochloromethane	9.519	129	62471	56.581	ug/l	98
61) 1,2-Dibromoethane	9.610	107	57330	54.865	ug/l	96
64) Tetrachloroethene	9.269	164	47404	51.461	ug/l	96
65) Chlorobenzene	10.079	112	149379	52.421	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	51623	53.053	ug/l	99
67) Ethyl Benzene	10.189	91	273012	54.351	ug/l	99
68) m/p-Xylenes	10.299	106	200455	109.111	ug/l	99
69) o-Xylene	10.640	106	98676	55.094	ug/l	97
70) Styrene	10.652	104	166810	56.855	ug/l	99
71) Bromoform	10.799	173	39077	53.490	ug/l #	96
73) Isopropylbenzene	10.957	105	266995	55.961	ug/l	100
74) N-amyl acetate	10.841	43	134276	56.955	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	88347	52.841	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	76705m	51.999	ug/l	
77) Bromobenzene	11.195	156	59734	53.928	ug/l	99
78) n-propylbenzene	11.305	91	310139	55.906	ug/l	100
79) 2-Chlorotoluene	11.360	91	191700	53.575	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	224429	56.306	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	22264	49.138	ug/l	99
82) 4-Chlorotoluene	11.451	91	219564	55.333	ug/l	100
83) tert-Butylbenzene	11.713	119	219681	54.716	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	223822	55.450	ug/l	99
85) sec-Butylbenzene	11.890	105	275721	55.931	ug/l	99
86) p-Isopropyltoluene	12.006	119	229299	56.352	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	108802	53.822	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	107398	52.021	ug/l	98
89) n-Butylbenzene	12.329	91	198079	55.496	ug/l	99
90) Hexachloroethane	12.536	117	38052	53.080	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	108170	53.323	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20363	54.977	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	62883	53.971	ug/l	98
94) Hexachlorobutadiene	13.725	225	26438	51.955	ug/l	97
95) Naphthalene	13.774	128	236113	55.253	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	63729	53.009	ug/l	98

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

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