

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040725\
 Data File : VX045633.D
 Acq On : 07 Apr 2025 16:55
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/08/2025
 Supervised By : Mahesh Dadoda 04/08/2025

Quant Time: Apr 08 01:37:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.543	168	88071	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	155430	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	139769	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63217	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	82976	51.519	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.040%			
35) Dibromofluoromethane	5.379	113	57173	51.845	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.680%			
50) Toluene-d8	8.647	98	195240	50.723	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.440%			
62) 4-Bromofluorobenzene	11.079	95	73277	52.264	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.520%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	73619	55.895	ug/l	98
3) Chloromethane	1.300	50	66428	49.093	ug/l	99
4) Vinyl Chloride	1.373	62	64279	51.909	ug/l	99
5) Bromomethane	1.593	94	27731	47.230	ug/l	98
6) Chloroethane	1.666	64	36732	55.910	ug/l	100
7) Trichlorofluoromethane	1.873	101	97072	52.569	ug/l	96
8) Diethyl Ether	2.136	74	31529	50.858	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.318	101	57438	53.083	ug/l	97
10) Methyl Iodide	2.440	142	69564	51.543	ug/l	98
11) Tert butyl alcohol	2.983	59	51497	237.916	ug/l	99
12) 1,1-Dichloroethene	2.306	96	53571	50.668	ug/l	97
13) Acrolein	2.233	56	91134	305.749	ug/l	98
14) Allyl chloride	2.654	41	103430	51.558	ug/l	99
15) Acrylonitrile	3.062	53	178622	261.428	ug/l	100
16) Acetone	2.385	43	167988	254.006	ug/l	99
17) Carbon Disulfide	2.501	76	124406	47.641	ug/l	99
18) Methyl Acetate	2.703	43	85607	56.221	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	190309	51.455	ug/l	100
20) Methylene Chloride	2.782	84	63300	51.125	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	54104	50.089	ug/l	99
22) Diisopropyl ether	3.763	45	206815	52.336	ug/l	99
23) Vinyl Acetate	3.721	43	911405	266.942	ug/l	99
24) 1,1-Dichloroethane	3.605	63	114469	51.220	ug/l	99
25) 2-Butanone	4.556	43	255334	263.751	ug/l	99
26) 2,2-Dichloropropane	4.464	77	79009	54.719	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	66457	50.500	ug/l	98
28) Bromochloromethane	4.891	49	55925	51.784	ug/l	100
29) Tetrahydrofuran	5.001	42	162409	258.760	ug/l	99
30) Chloroform	5.086	83	118644	51.594	ug/l	100
31) Cyclohexane	5.458	56	100595	50.916	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	99876	51.328	ug/l	98
36) 1,1-Dichloropropene	5.690	75	75928	50.994	ug/l	99
37) Ethyl Acetate	4.714	43	96350	51.348	ug/l	100
38) Carbon Tetrachloride	5.671	117	85743	53.283	ug/l	97
39) Methylcyclohexane	7.372	83	96270	52.745	ug/l	98
40) Benzene	6.031	78	233728	51.397	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	55762	56.323	ug/l	99
42) 1,2-Dichloroethane	6.086	62	99487	52.969	ug/l	99
43) Isopropyl Acetate	6.342	43	152133	53.494	ug/l	100
44) Trichloroethene	7.122	130	54142	50.092	ug/l	93
45) 1,2-Dichloropropane	7.427	63	57694	50.848	ug/l	98
46) Dibromomethane	7.580	93	45563	52.311	ug/l	99
47) Bromodichloromethane	7.817	83	91531	52.621	ug/l	98
48) Methyl methacrylate	7.689	41	79358	54.044	ug/l	99
49) 1,4-Dioxane	7.665	88	25139	946.252	ug/l	93
51) 4-Methyl-2-Pentanone	8.573	43	506795	268.813	ug/l	100
52) Toluene	8.714	92	140038	50.892	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	80594	48.265	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	89487	54.746	ug/l	95
55) 1,1,2-Trichloroethane	9.146	97	57953	52.852	ug/l	98
56) Ethyl methacrylate	9.116	69	93446	55.066	ug/l	99
57) 1,3-Dichloropropane	9.305	76	100442	52.604	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	236204	275.152	ug/l	99
59) 2-Hexanone	9.427	43	369067	264.352	ug/l	100
60) Dibromochloromethane	9.518	129	63892	53.448	ug/l	100
61) 1,2-Dibromoethane	9.604	107	58999	53.153	ug/l	99
64) Tetrachloroethene	9.268	164	46945	47.572	ug/l	97
65) Chlorobenzene	10.079	112	153515	51.401	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.158	131	52052	50.199	ug/l	99
67) Ethyl Benzene	10.189	91	282243	52.765	ug/l	98
68) m/p-Xylenes	10.299	106	204591	105.161	ug/l	99
69) o-Xylene	10.640	106	100417	52.395	ug/l	98
70) Styrene	10.652	104	168761	53.352	ug/l	99
71) Bromoform	10.799	173	39459	50.966	ug/l #	97
73) Isopropylbenzene	10.957	105	267346	52.796	ug/l	99
74) N-amyl acetate	10.841	43	125628	51.864	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	87512	49.196	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	75184m	48.757	ug/l	
77) Bromobenzene	11.195	156	58639	50.119	ug/l	99
78) n-propylbenzene	11.299	91	314719	53.959	ug/l	100
79) 2-Chlorotoluene	11.359	91	189545	50.834	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	224277	53.561	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	22209	48.881	ug/l	96
82) 4-Chlorotoluene	11.451	91	216018	51.960	ug/l	99
83) tert-Butylbenzene	11.713	119	217964	52.578	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	223195	53.107	ug/l	99
85) sec-Butylbenzene	11.890	105	274222	53.856	ug/l	99
86) p-Isopropyltoluene	12.006	119	223946	53.349	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	105674	49.618	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	106090	49.136	ug/l	99
89) n-Butylbenzene	12.329	91	195344	53.664	ug/l	100
90) Hexachloroethane	12.536	117	38550	53.436	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	106848	50.461	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	19902	53.498	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	61192	51.918	ug/l	98
94) Hexachlorobutadiene	13.725	225	25663	50.529	ug/l	98
95) Naphthalene	13.774	128	227325	51.829	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	62222	50.416	ug/l	99

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

