

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010725\
 Data File : VX044599.D
 Acq On : 07 Jan 2025 11:14
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/08/2025
 Supervised By : Mahesh Dadoda 01/08/2025

Quant Time: Jan 08 02:30:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X010725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 08 02:18:40 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	173796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	298796	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	260263	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	121154	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	142022	50.681	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.360%
35) Dibromofluoromethane	5.379	113	100169	48.890	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.780%
50) Toluene-d8	8.647	98	345428	49.357	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.720%
62) 4-Bromofluorobenzene	11.079	95	123925	50.167	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	100.340%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.166	85	135433	53.857	ug/l 100
3) Chloromethane	1.294	50	127949	51.059	ug/l 100
4) Vinyl Chloride	1.374	62	123312	52.455	ug/l 100
5) Bromomethane	1.599	94	64161	52.690	ug/l 100
6) Chloroethane	1.666	64	56267	45.086	ug/l 100
7) Trichlorofluoromethane	1.874	101	188382	53.818	ug/l 100
8) Diethyl Ether	2.130	74	60770	49.134	ug/l 100
9) 1,1,2-Trichlorotrifluo...	2.319	101	102129	50.888	ug/l 100
10) Methyl Iodide	2.447	142	141008	50.386	ug/l 100
11) Tert butyl alcohol	3.008	59	87895	254.724	ug/l 100
12) 1,1-Dichloroethene	2.313	96	97703	50.252	ug/l 100
13) Acrolein	2.233	56	115577	253.331	ug/l 100
14) Allyl chloride	2.660	41	175824	54.375	ug/l 100
15) Acrylonitrile	3.062	53	265554	267.216	ug/l 100
16) Acetone	2.380	43	238611	270.163	ug/l 100
17) Carbon Disulfide	2.508	76	212108	52.759	ug/l 100
18) Methyl Acetate	2.703	43	134854	51.731	ug/l 100
19) Methyl tert-butyl Ether	3.111	73	356440	53.495	ug/l 100
20) Methylene Chloride	2.782	84	114236	50.698	ug/l 100
21) trans-1,2-Dichloroethene	3.087	96	100853	50.541	ug/l 100
22) Diisopropyl ether	3.757	45	361827	54.433	ug/l 100
23) Vinyl Acetate	3.715	43	1546132	287.640	ug/l 100
24) 1,1-Dichloroethane	3.605	63	205366	53.022	ug/l 100
25) 2-Butanone	4.556	43	355382	278.769	ug/l 100
26) 2,2-Dichloropropane	4.471	77	175192	52.316	ug/l 100
27) cis-1,2-Dichloroethene	4.483	96	127058	52.219	ug/l 100
28) Bromochloromethane	4.891	49	95194	52.799	ug/l 100
29) Tetrahydrofuran	5.001	42	230689	264.250	ug/l 100
30) Chloroform	5.086	83	217765	52.153	ug/l 100
31) Cyclohexane	5.458	56	165559	52.061	ug/l 100
32) 1,1,1-Trichloroethane	5.379	97	188854	53.743	ug/l 100
36) 1,1-Dichloropropene	5.690	75	139122	52.511	ug/l 100
37) Ethyl Acetate	4.709	43	146801	54.207	ug/l 100
38) Carbon Tetrachloride	5.672	117	154084	52.418	ug/l 100
39) Methylcyclohexane	7.373	83	173252	51.250	ug/l 100
40) Benzene	6.031	78	432755	51.878	ug/l 100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	81440	55.981	ug/l	100
42) 1,2-Dichloroethane	6.080	62	178915	54.843	ug/l	100
43) Isopropyl Acetate	6.336	43	244614	54.708	ug/l	100
44) Trichloroethene	7.117	130	104250	48.889	ug/l	100
45) 1,2-Dichloropropane	7.428	63	108161	53.181	ug/l	100
46) Dibromomethane	7.574	93	82588	52.214	ug/l	100
47) Bromodichloromethane	7.818	83	156703	54.442	ug/l	100
48) Methyl methacrylate	7.690	41	122740	57.554	ug/l	100
49) 1,4-Dioxane	7.665	88	34918	1114.222	ug/l	100
51) 4-Methyl-2-Pentanone	8.574	43	733011	280.449	ug/l	100
52) Toluene	8.714	92	262398	52.133	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	155029	56.347	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	170387	55.104	ug/l	100
55) 1,1,2-Trichloroethane	9.147	97	103084	52.243	ug/l	100
56) Ethyl methacrylate	9.116	69	162744	56.713	ug/l	100
57) 1,3-Dichloropropane	9.305	76	178595	53.900	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	392900	276.185	ug/l	100
59) 2-Hexanone	9.433	43	535861	289.895	ug/l	100
60) Dibromochloromethane	9.519	129	109924	55.871	ug/l	100
61) 1,2-Dibromoethane	9.604	107	104426	52.401	ug/l	100
64) Tetrachloroethene	9.269	164	90002	48.910	ug/l	100
65) Chlorobenzene	10.079	112	283093	51.250	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	96419	52.556	ug/l	100
67) Ethyl Benzene	10.189	91	501840	52.906	ug/l	100
68) m/p-Xylenes	10.299	106	372279	106.805	ug/l	100
69) o-Xylene	10.640	106	181228	51.512	ug/l	100
70) Styrene	10.653	104	309043	54.919	ug/l	100
71) Bromoform	10.799	173	64456	50.124	ug/l #	100
73) Isopropylbenzene	10.957	105	470691	52.439	ug/l	100
74) N-amyl acetate	10.842	43	207077	56.857	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	152021	52.544	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	126349m	52.024	ug/l	
77) Bromobenzene	11.195	156	112135	51.427	ug/l	100
78) n-propylbenzene	11.299	91	545301	53.936	ug/l	100
79) 2-Chlorotoluene	11.360	91	337686	51.544	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	400300	53.787	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	43281	54.247	ug/l	100
82) 4-Chlorotoluene	11.451	91	387640	52.596	ug/l	100
83) tert-Butylbenzene	11.713	119	390758	52.730	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	401606	53.720	ug/l	100
85) sec-Butylbenzene	11.890	105	475025	52.634	ug/l	100
86) p-Isopropyltoluene	12.006	119	408205	53.905	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	204488	51.842	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	204130	49.670	ug/l	100
89) n-Butylbenzene	12.329	91	354854	55.495	ug/l	100
90) Hexachloroethane	12.536	117	62782	51.608	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	205860	51.646	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	30135	54.942	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	120511	51.442	ug/l	100
94) Hexachlorobutadiene	13.725	225	49357	50.597	ug/l	100
95) Naphthalene	13.774	128	412247	54.539	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	123494	51.567	ug/l	100

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

