

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021925\
 Data File : VX044996.D
 Acq On : 19 Feb 2025 10:52
 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 02/20/2025
 Supervised By : Mahesh Dadoda 02/20/2025

Quant Time: Feb 20 02:33:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	101434	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	178680	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	161969	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	74591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	66511	44.794	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.580%		
35) Dibromofluoromethane	5.373	113	52771	45.425	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.840%		
50) Toluene-d8	8.641	98	194366	44.245	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	88.500%		
62) 4-Bromofluorobenzene	11.079	95	69627	47.015	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	94.040%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	71059	49.948	ug/l	98
3) Chloromethane	1.294	50	80436	46.454	ug/l	99
4) Vinyl Chloride	1.374	62	80728	48.126	ug/l	99
5) Bromomethane	1.593	94	25241	50.285	ug/l	95
6) Chloroethane	1.666	64	50696	97.753	ug/l	97
7) Trichlorofluoromethane	1.874	101	107715	50.777	ug/l	100
8) Diethyl Ether	2.130	74	41521	53.971	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.325	101	64558	50.369	ug/l	98
10) Methyl Iodide	2.447	142	75738	45.595	ug/l	98
11) Tert butyl alcohol	2.989	59	59901	217.460	ug/l	100
12) 1,1-Dichloroethene	2.313	96	63396	48.490	ug/l	98
13) Acrolein	2.233	56	58363	205.357	ug/l	98
14) Allyl chloride	2.654	41	117039	49.534	ug/l	98
15) Acrylonitrile	3.056	53	181518	246.808	ug/l	98
16) Acetone	2.373	43	148842	249.356	ug/l	95
17) Carbon Disulfide	2.508	76	161914	45.163	ug/l	99
18) Methyl Acetate	2.697	43	97477	51.750	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	209721	50.417	ug/l	99
20) Methylene Chloride	2.782	84	72196	49.380	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	62411	48.502	ug/l	91
22) Diisopropyl ether	3.751	45	235626	52.711	ug/l	92
23) Vinyl Acetate	3.715	43	939094	257.688	ug/l	100
24) 1,1-Dichloroethane	3.599	63	127172	50.844	ug/l	99
25) 2-Butanone	4.544	43	245338	253.117	ug/l	95
26) 2,2-Dichloropropane	4.465	77	98366	49.591	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	78568	50.832	ug/l	99
28) Bromochloromethane	4.885	49	60375	50.228	ug/l	99
29) Tetrahydrofuran	4.995	42	159904	248.446	ug/l	98
30) Chloroform	5.080	83	126006	51.947	ug/l	97
31) Cyclohexane	5.458	56	111835	48.500	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	106467	51.747	ug/l	99
36) 1,1-Dichloropropene	5.684	75	85534	51.033	ug/l	99
37) Ethyl Acetate	4.702	43	92405	49.567	ug/l	98
38) Carbon Tetrachloride	5.666	117	87410	53.220	ug/l	97
39) Methylcyclohexane	7.373	83	114681	52.925	ug/l	98
40) Benzene	6.025	78	275503	52.641	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	54906	55.024	ug/l	99
42) 1,2-Dichloroethane	6.074	62	93316	55.945	ug/l	98
43) Isopropyl Acetate	6.330	43	158018	52.490	ug/l	98
44) Trichloroethene	7.117	130	63126	52.769	ug/l	99
45) 1,2-Dichloropropane	7.421	63	69479	53.362	ug/l	96
46) Dibromomethane	7.574	93	48275	53.463	ug/l	98
47) Bromodichloromethane	7.812	83	98247	56.192	ug/l	100
48) Methyl methacrylate	7.690	41	77361	54.500	ug/l	97
49) 1,4-Dioxane	7.659	88	31299	1027.728	ug/l	97
51) 4-Methyl-2-Pentanone	8.568	43	504087	275.429	ug/l	98
52) Toluene	8.714	92	167630	53.781	ug/l	100
53) t-1,3-Dichloropropene	8.970	75	95165	53.787	ug/l	98
54) cis-1,3-Dichloropropene	8.360	75	107755	54.623	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	65082	54.318	ug/l	98
56) Ethyl methacrylate	9.110	69	104293	53.894	ug/l	96
57) 1,3-Dichloropropane	9.305	76	114312	54.527	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.232	63	267481	281.503	ug/l	100
59) 2-Hexanone	9.427	43	364965	276.768	ug/l	97
60) Dibromochloromethane	9.519	129	72124	56.285	ug/l	99
61) 1,2-Dibromoethane	9.604	107	65515	53.948	ug/l	98
64) Tetrachloroethene	9.269	164	52119	51.024	ug/l	96
65) Chlorobenzene	10.073	112	181459	52.161	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	59706	53.322	ug/l	99
67) Ethyl Benzene	10.189	91	322376	52.512	ug/l	97
68) m/p-Xylenes	10.299	106	239803	105.892	ug/l	99
69) o-Xylene	10.640	106	116936	51.460	ug/l	97
70) Styrene	10.652	104	199300	54.439	ug/l	99
71) Bromoform	10.799	173	45256	54.156	ug/l #	99
73) Isopropylbenzene	10.957	105	306799	51.082	ug/l	100
74) N-amyl acetate	10.841	43	139944	51.492	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.207	83	100244	48.572	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	81525m	49.296	ug/l	
77) Bromobenzene	11.195	156	69215	50.832	ug/l	99
78) n-propylbenzene	11.299	91	364521	52.583	ug/l	100
79) 2-Chlorotoluene	11.360	91	214710	50.395	ug/l	100
80) 1,3,5-Trimethylbenzene	11.445	105	253309	51.973	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	26991	41.983	ug/l	94
82) 4-Chlorotoluene	11.451	91	246062	52.203	ug/l	99
83) tert-Butylbenzene	11.713	119	257768	52.280	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	255195	53.050	ug/l	100
85) sec-Butylbenzene	11.884	105	324931	53.219	ug/l	100
86) p-Isopropyltoluene	12.006	119	262276	53.418	ug/l	99
87) 1,3-Dichlorobenzene	11.963	146	132572	52.944	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	130786	51.658	ug/l	98
89) n-Butylbenzene	12.329	91	244043	56.182	ug/l	99
90) Hexachloroethane	12.536	117	45480	49.470	ug/l	98
91) 1,2-Dichlorobenzene	12.329	146	127089	51.642	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	18560	49.274	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	81425	54.679	ug/l	100
94) Hexachlorobutadiene	13.719	225	32349	54.721	ug/l	98
95) Naphthalene	13.774	128	279838	51.985	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	81892	54.575	ug/l	98

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

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