

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
 Data File : VX044976.D
 Acq On : 18 Feb 2025 10:45
 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 02/19/2025
 Supervised By : Mahesh Dadoda 02/19/2025

Quant Time: Feb 18 11:13:59 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	118005	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	207185	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	183597	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	88801	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	88505	51.24	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.48%			
35) Dibromofluoromethane	5.373	113	71537	53.11	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.22%			
50) Toluene-d8	8.641	98	264709	51.97	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.94%			
62) 4-Bromofluorobenzene	11.079	95	94655	55.12	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.24%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	79532	48.05	ug/l	98
3) Chloromethane	1.294	50	89366	44.36	ug/l	98
4) Vinyl Chloride	1.374	62	86399	44.27	ug/l	98
5) Bromomethane	1.599	94	43230	74.03	ug/l	98
6) Chloroethane	1.679	64	52022	77.62	ug/l	98
7) Trichlorofluoromethane	1.886	101	118458	48.00	ug/l	99
8) Diethyl Ether	2.130	74	44086	49.26	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	70768	47.46	ug/l	98
10) Methyl Iodide	2.447	142	91917	47.56	ug/l	98
11) Tert butyl alcohol	2.947	59	72730	226.96	ug/l	100
12) 1,1-Dichloroethene	2.313	96	68545	45.07	ug/l	96
13) Acrolein	2.233	56	89524	270.77	ug/l	99
14) Allyl chloride	2.660	41	131785	47.94	ug/l	99
15) Acrylonitrile	3.056	53	208149	243.27	ug/l	99
16) Acetone	2.373	43	165312	238.06	ug/l	96
17) Carbon Disulfide	2.508	76	187991	45.07	ug/l	99
18) Methyl Acetate	2.697	43	110883	50.60	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	232450	48.03	ug/l	99
20) Methylene Chloride	2.782	84	78990	46.44	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	69252	46.26	ug/l	94
22) Diisopropyl ether	3.751	45	257144	49.45	ug/l	94
23) Vinyl Acetate	3.715	43	1065465	251.31	ug/l	100
24) 1,1-Dichloroethane	3.599	63	137149	47.13	ug/l	100
25) 2-Butanone	4.538	43	271668	240.92	ug/l	94
26) 2,2-Dichloropropane	4.465	77	109467	47.44	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	85380	47.48	ug/l	98
28) Bromochloromethane	4.885	49	69881	49.97	ug/l	100
29) Tetrahydrofuran	4.995	42	177361	236.87	ug/l	99
30) Chloroform	5.086	83	136159	48.25	ug/l	96
31) Cyclohexane	5.464	56	121894	45.44	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	114614	47.88	ug/l	99
36) 1,1-Dichloropropene	5.684	75	92923	47.81	ug/l	99
37) Ethyl Acetate	4.696	43	108339	50.12	ug/l	98
38) Carbon Tetrachloride	5.666	117	95463	50.13	ug/l	98
39) Methylcyclohexane	7.373	83	126871	50.50	ug/l	98
40) Benzene	6.025	78	293013	48.28	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	60945	52.67	ug/l	99
42) 1,2-Dichloroethane	6.080	62	101150	52.30	ug/l	98
43) Isopropyl Acetate	6.330	43	178579	51.16	ug/l	99
44) Trichloroethene	7.117	130	69360	50.00	ug/l	98
45) 1,2-Dichloropropane	7.421	63	75767	50.18	ug/l	100
46) Dibromomethane	7.574	93	53216	50.83	ug/l	98
47) Bromodichloromethane	7.812	83	106534	52.55	ug/l	99
48) Methyl methacrylate	7.684	41	85130	51.72	ug/l	98
49) 1,4-Dioxane	7.653	88	35704	1011.07	ug/l	99
51) 4-Methyl-2-Pentanone	8.568	43	555541	261.78	ug/l	99
52) Toluene	8.714	92	178656	49.43	ug/l	100
53) t-1,3-Dichloropropene	8.970	75	109793	53.52	ug/l	96
54) cis-1,3-Dichloropropene	8.360	75	119963	52.44	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	70262	50.57	ug/l	98
56) Ethyl methacrylate	9.110	69	115147	51.32	ug/l	97
57) 1,3-Dichloropropane	9.305	76	121286	49.89	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.232	63	301429	273.58	ug/l	99
59) 2-Hexanone	9.427	43	409204	267.62	ug/l	97
60) Dibromochloromethane	9.512	129	79957	53.81	ug/l	99
61) 1,2-Dibromoethane	9.604	107	71400	50.71	ug/l	98
64) Tetrachloroethene	9.269	164	56478	48.78	ug/l	97
65) Chlorobenzene	10.073	112	196568	49.85	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	63488	50.02	ug/l	99
67) Ethyl Benzene	10.189	91	344608	49.52	ug/l	100
68) m/p-Xylenes	10.299	106	254807	99.26	ug/l	99
69) o-Xylene	10.640	106	124437	48.31	ug/l	99
70) Styrene	10.653	104	214624	51.72	ug/l	99
71) Bromoform	10.793	173	51973	54.87	ug/l #	99
73) Isopropylbenzene	10.957	105	324136	45.33	ug/l	99
74) N-amyl acetate	10.842	43	156526	48.38	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	111814	45.51	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	101933m	51.77	ug/l	
77) Bromobenzene	11.195	156	75531	46.59	ug/l	99
78) n-propylbenzene	11.299	91	392244	47.53	ug/l	100
79) 2-Chlorotoluene	11.360	91	226171	44.59	ug/l	98
80) 1,3,5-Trimethylbenzene	11.445	105	270445	46.61	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.012	75	35570	46.47	ug/l	98
82) 4-Chlorotoluene	11.451	91	268193	47.79	ug/l	100
83) tert-Butylbenzene	11.713	119	274415	46.75	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	273687	47.79	ug/l	100
85) sec-Butylbenzene	11.890	105	350459	48.22	ug/l	100
86) p-Isopropyltoluene	12.006	119	289729	49.57	ug/l	99
87) 1,3-Dichlorobenzene	11.963	146	145157	48.69	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	147103	48.81	ug/l	99
89) n-Butylbenzene	12.329	91	283636	54.85	ug/l	100
90) Hexachloroethane	12.536	117	52382	47.86	ug/l	100
91) 1,2-Dichlorobenzene	12.329	146	142515	48.64	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21445	47.82	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	93307	52.63	ug/l	100
94) Hexachlorobutadiene	13.719	225	37861	53.80	ug/l	99
95) Naphthalene	13.774	128	310246	48.41	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	90229	50.51	ug/l	100

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

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