

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
 Data File : VX044893.D
 Acq On : 11 Feb 2025 10:09
 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 02/12/2025
 Supervised By : Mahesh Dadoda 02/12/2025

Quant Time: Feb 11 10:41:04 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	5.544	168	125474	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	221806	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	200705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	89456	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	89338	48.64	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.28%		
35) Dibromofluoromethane	5.373	113	71680	49.71	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.42%		
50) Toluene-d8	8.641	98	272926	50.05	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.10%		
62) 4-Bromofluorobenzene	11.079	95	94539	51.42	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	102.84%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	83442	48.64	ug/l	100
3) Chloromethane	1.300	50	96511	45.06	ug/l	95
4) Vinyl Chloride	1.374	62	94484	45.53	ug/l	97
5) Bromomethane	1.593	94	30080	48.44	ug/l	98
6) Chloroethane	1.666	64	41236	62.81	ug/l	97
7) Trichlorofluoromethane	1.874	101	125214	47.72	ug/l	99
8) Diethyl Ether	2.130	74	48238	50.69	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.319	101	76116	48.01	ug/l	99
10) Methyl Iodide	2.447	142	99655	48.50	ug/l	100
11) Tert butyl alcohol	2.989	59	81125	238.08	ug/l #	84
12) 1,1-Dichloroethene	2.312	96	74712	46.20	ug/l	97
13) Acrolein	2.233	56	87432	248.70	ug/l	98
14) Allyl chloride	2.654	41	138850	47.51	ug/l	97
15) Acrylonitrile	3.056	53	218594	240.27	ug/l	99
16) Acetone	2.380	43	173556	235.05	ug/l	98
17) Carbon Disulfide	2.501	76	204689	46.15	ug/l	99
18) Methyl Acetate	2.697	43	111028	47.65	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	251205	48.82	ug/l	98
20) Methylene Chloride	2.782	84	84927	46.96	ug/l	92
21) trans-1,2-Dichloroethene	3.081	96	74888	47.05	ug/l	96
22) Diisopropyl ether	3.751	45	275541	49.83	ug/l	95
23) Vinyl Acetate	3.715	43	1147936	254.64	ug/l	98
24) 1,1-Dichloroethane	3.599	63	147936	47.81	ug/l	99
25) 2-Butanone	4.550	43	292704	244.13	ug/l	95
26) 2,2-Dichloropropane	4.465	77	118943	48.48	ug/l	97
27) cis-1,2-Dichloroethene	4.477	96	91876	48.05	ug/l	99
28) Bromochloromethane	4.885	49	63054	42.41	ug/l	92
29) Tetrahydrofuran	4.995	42	192811	242.18	ug/l	93
30) Chloroform	5.086	83	143782	47.92	ug/l	99
31) Cyclohexane	5.458	56	135237	47.41	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	121149	47.60	ug/l	98
36) 1,1-Dichloropropene	5.684	75	99764	47.95	ug/l	98
37) Ethyl Acetate	4.708	43	113342	48.73	ug/l #	96
38) Carbon Tetrachloride	5.666	117	99680	48.89	ug/l	99
39) Methylcyclohexane	7.373	83	141217	52.50	ug/l	98
40) Benzene	6.025	78	321371	49.47	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	64313	51.92	ug/l	97
42) 1,2-Dichloroethane	6.074	62	106806	51.58	ug/l	100
43) Isopropyl Acetate	6.330	43	192468	51.50	ug/l	97
44) Trichloroethene	7.116	130	74009	49.84	ug/l	100
45) 1,2-Dichloropropane	7.421	63	82208	50.86	ug/l	100
46) Dibromomethane	7.574	93	56698	50.58	ug/l	99
47) Bromodichloromethane	7.811	83	114110	52.58	ug/l	98
48) Methyl methacrylate	7.683	41	91692	52.04	ug/l	99
49) 1,4-Dioxane	7.659	88	38686	1023.30	ug/l	99
51) 4-Methyl-2-Pentanone	8.567	43	588239	258.92	ug/l	97
52) Toluene	8.714	92	198031	51.18	ug/l	99
53) t-1,3-Dichloropropene	8.970	75	116558	53.07	ug/l	97
54) cis-1,3-Dichloropropene	8.360	75	129895	53.04	ug/l	100
55) 1,1,2-Trichloroethane	9.147	97	76273	51.28	ug/l	97
56) Ethyl methacrylate	9.110	69	126768	52.77	ug/l	97
57) 1,3-Dichloropropane	9.305	76	133222	51.19	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	361927	306.84	ug/l	95
59) 2-Hexanone	9.427	43	425326	259.83	ug/l	98
60) Dibromochloromethane	9.518	129	83627	52.57	ug/l	99
61) 1,2-Dibromoethane	9.604	107	77591	51.47	ug/l	99
64) Tetrachloroethene	9.269	164	60113	47.49	ug/l	99
65) Chlorobenzene	10.073	112	210623	48.86	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	68219	49.17	ug/l	99
67) Ethyl Benzene	10.189	91	377075	49.57	ug/l	98
68) m/p-Xylenes	10.299	106	280582	99.99	ug/l	98
69) o-Xylene	10.640	106	138735	49.27	ug/l	100
70) Styrene	10.652	104	230163	50.74	ug/l	98
71) Bromoform	10.799	173	53037	51.22	ug/l #	99
73) Isopropylbenzene	10.957	105	354838	49.26	ug/l	99
74) N-amyl acetate	10.841	43	166229	51.00	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.207	83	117303	47.39	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	96054m	43.62	ug/l	
77) Bromobenzene	11.195	156	79799	48.87	ug/l	97
78) n-propylbenzene	11.299	91	420391	50.57	ug/l	99
79) 2-Chlorotoluene	11.360	91	243433	47.64	ug/l	98
80) 1,3,5-Trimethylbenzene	11.445	105	288797	49.41	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	37854	49.10	ug/l	96
82) 4-Chlorotoluene	11.451	91	277142	49.03	ug/l	98
83) tert-Butylbenzene	11.713	119	294574	49.82	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	291318	50.50	ug/l	100
85) sec-Butylbenzene	11.884	105	368710	50.35	ug/l	99
86) p-Isopropyltoluene	12.006	119	301888	51.27	ug/l	99
87) 1,3-Dichlorobenzene	11.963	146	148060	49.30	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	146583	48.49	ug/l	98
89) n-Butylbenzene	12.329	91	278914	53.54	ug/l	99
90) Hexachloroethane	12.536	117	55271	50.13	ug/l	97
91) 1,2-Dichlorobenzene	12.329	146	144478	48.95	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	22187	49.11	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	90876	50.88	ug/l	99
94) Hexachlorobutadiene	13.719	225	35673	50.32	ug/l	99
95) Naphthalene	13.774	128	325482	50.42	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	89533	49.75	ug/l	98

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

