

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
 Data File : VX044948.D
 Acq On : 14 Feb 2025 10:04
 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 02/18/2025
 Supervised By : Mahesh Dadoda 02/19/2025

Quant Time: Feb 14 22:10:16 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	5.537	168	111649	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	194847	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	171164	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	79140	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	81025	49.577	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.160%		
35) Dibromofluoromethane	5.373	113	65208	51.473	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.940%		
50) Toluene-d8	8.640	98	239910	50.081	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.160%		
62) 4-Bromofluorobenzene	11.079	95	85808	53.134	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	106.260%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	83333	53.216	ug/l	100
3) Chloromethane	1.300	50	95413	50.063	ug/l	98
4) Vinyl Chloride	1.373	62	89675	48.568	ug/l	100
5) Bromomethane	1.593	94	31780	57.519	ug/l	98
6) Chloroethane	1.666	64	48225	75.147	ug/l	99
7) Trichlorofluoromethane	1.873	101	122436	52.436	ug/l	99
8) Diethyl Ether	2.129	74	44034	52.000	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.318	101	73285	51.947	ug/l	99
10) Methyl Iodide	2.446	142	96895	52.995	ug/l	98
11) Tert butyl alcohol	2.971	59	74583	245.988	ug/l	99
12) 1,1-Dichloroethene	2.312	96	71069	49.386	ug/l	98
13) Acrolein	2.233	56	85239	272.483	ug/l	99
14) Allyl chloride	2.654	41	130324	50.110	ug/l	98
15) Acrylonitrile	3.056	53	210836	260.443	ug/l	98
16) Acetone	2.379	43	173217	263.641	ug/l	97
17) Carbon Disulfide	2.501	76	182069	46.138	ug/l	100
18) Methyl Acetate	2.696	43	109619	52.872	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	230346	50.309	ug/l	99
20) Methylene Chloride	2.782	84	79188	49.206	ug/l	98
21) trans-1,2-Dichloroethene	3.080	96	70029	49.443	ug/l	92
22) Diisopropyl ether	3.751	45	255981	52.025	ug/l	93
23) Vinyl Acetate	3.715	43	1041556	259.654	ug/l	99
24) 1,1-Dichloroethane	3.599	63	139363	50.620	ug/l	99
25) 2-Butanone	4.550	43	282901	265.167	ug/l	97
26) 2,2-Dichloropropane	4.458	77	108637	49.758	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	85121	50.033	ug/l	99
28) Bromochloromethane	4.885	49	66328	50.132	ug/l	100
29) Tetrahydrofuran	4.989	42	183098	258.456	ug/l	99
30) Chloroform	5.080	83	135270	50.664	ug/l	97
31) Cyclohexane	5.458	56	123125	48.511	ug/l	98
32) 1,1,1-Trichloroethane	5.367	97	114641	50.622	ug/l	99
36) 1,1-Dichloropropene	5.684	75	92569	50.648	ug/l	100
37) Ethyl Acetate	4.702	43	107447	52.854	ug/l	98
38) Carbon Tetrachloride	5.665	117	96084	53.647	ug/l	97
39) Methylcyclohexane	7.372	83	126678	53.611	ug/l	98
40) Benzene	6.025	78	295171	51.720	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.909	41	62502	57.439	ug/l	99
42) 1,2-Dichloroethane	6.080	62	99367	54.630	ug/l	99
43) Isopropyl Acetate	6.330	43	178056	54.238	ug/l	99
44) Trichloroethene	7.116	130	68729	52.686	ug/l	99
45) 1,2-Dichloropropane	7.421	63	73954	52.086	ug/l	98
46) Dibromomethane	7.574	93	52099	52.910	ug/l	99
47) Bromodichloromethane	7.817	83	104667	54.897	ug/l	94
48) Methyl methacrylate	7.683	41	84452	54.559	ug/l	98
49) 1,4-Dioxane	7.659	88	35851	1079.521	ug/l	98
51) 4-Methyl-2-Pentanone	8.567	43	573871	287.542	ug/l	99
52) Toluene	8.714	92	177622	52.259	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	102427	53.088	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	115454	53.670	ug/l	97
55) 1,1,2-Trichloroethane	9.146	97	69992	53.569	ug/l	99
56) Ethyl methacrylate	9.110	69	113350	53.714	ug/l	96
57) 1,3-Dichloropropane	9.305	76	122833	53.730	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	281369	271.549	ug/l	100
59) 2-Hexanone	9.427	43	419224	291.536	ug/l	97
60) Dibromochloromethane	9.518	129	76923	55.049	ug/l	100
61) 1,2-Dibromoethane	9.604	107	70254	53.050	ug/l	99
64) Tetrachloroethene	9.268	164	56785	52.606	ug/l	96
65) Chlorobenzene	10.073	112	191305	52.037	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.158	131	63533	53.691	ug/l	99
67) Ethyl Benzene	10.189	91	341272	52.604	ug/l	98
68) m/p-Xylenes	10.299	106	253071	105.747	ug/l	99
69) o-Xylene	10.640	106	125488	52.257	ug/l	100
70) Styrene	10.652	104	212892	55.028	ug/l	99
71) Bromoform	10.799	173	50298	56.956	ug/l #	98
73) Isopropylbenzene	10.957	105	323452	50.759	ug/l	100
74) N-amyl acetate	10.841	43	151995	52.711	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	108280	49.450	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	89855m	51.210	ug/l	
77) Bromobenzene	11.195	156	74813	51.785	ug/l	97
78) n-propylbenzene	11.299	91	383227	52.104	ug/l	100
79) 2-Chlorotoluene	11.359	91	227346	50.293	ug/l	99
80) 1,3,5-Trimethylbenzene	11.445	105	269593	52.135	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	34484	50.555	ug/l	95
82) 4-Chlorotoluene	11.451	91	260241	52.037	ug/l	100
83) tert-Butylbenzene	11.713	119	271023	51.808	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	273444	53.576	ug/l	98
85) sec-Butylbenzene	11.890	105	345172	53.285	ug/l	99
86) p-Isopropyltoluene	12.006	119	281168	53.974	ug/l	99
87) 1,3-Dichlorobenzene	11.963	146	138952	52.302	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	137282	51.107	ug/l	98
89) n-Butylbenzene	12.329	91	259957	56.406	ug/l	100
90) Hexachloroethane	12.536	117	50444	51.715	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	134948	51.683	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	21467	53.715	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	83444	52.814	ug/l	100
94) Hexachlorobutadiene	13.725	225	33686	53.707	ug/l	100
95) Naphthalene	13.774	128	298494	52.263	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	84247	52.918	ug/l	99

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

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