

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042324\
 Data File : VX041225.D
 Acq On : 23 Apr 2024 19:08
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/24/2024
 Supervised By : Mahesh Dadoda 04/24/2024

Quant Time: Apr 24 01:52:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042224W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:30:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	231448	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	326911	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	256201	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	159302	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	113542	51.535	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	103.060%		
35) Dibromofluoromethane	5.385	113	98953	49.761	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.520%		
50) Toluene-d8	8.647	98	326275	48.631	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.260%		
62) 4-Bromofluorobenzene	11.079	95	115469	46.629	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.260%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	87591	47.848	ug/l	98
3) Chloromethane	1.295	50	85134	42.955	ug/l	97
4) Vinyl Chloride	1.374	62	100817	50.867	ug/l	99
5) Bromomethane	1.599	94	64520	57.816	ug/l	97
6) Chloroethane	1.679	64	60587	80.464	ug/l	97
7) Trichlorofluoromethane	1.880	101	157095	51.154	ug/l	99
8) Diethyl Ether	2.130	74	59287	52.459	ug/l	85
9) 1,1,2-Trichlorotrifluo...	2.325	101	84398	46.709	ug/l	# 86
10) Methyl Iodide	2.453	142	64998	29.830	ug/l	92
11) Tert butyl alcohol	2.959	59	141719m	359.050	ug/l	
12) 1,1-Dichloroethene	2.319	96	82193	48.729	ug/l	86
13) Acrolein	2.233	56	116958	264.147	ug/l	99
14) Allyl chloride	2.660	41	151585	55.321	ug/l	96
15) Acrylonitrile	3.063	53	319904	317.178	ug/l	99
16) Acetone	2.380	43	218128	271.993	ug/l	97
17) Carbon Disulfide	2.508	76	180287	51.166	ug/l	99
18) Methyl Acetate	2.703	43	132198	55.725	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	356566	59.133	ug/l	98
20) Methylene Chloride	2.788	84	106301	54.274	ug/l	92
21) trans-1,2-Dichloroethene	3.087	96	104119	55.858	ug/l	88
22) Diisopropyl ether	3.758	45	349531	58.999	ug/l	96
23) Vinyl Acetate	3.721	43	1626220	320.863	ug/l	# 95
24) 1,1-Dichloroethane	3.611	63	193903	58.551	ug/l	97
25) 2-Butanone	4.550	43	443241	323.630	ug/l	95
26) 2,2-Dichloropropane	4.471	77	156306	55.845	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	131621	56.970	ug/l	89
28) Bromochloromethane	4.898	49	75054	59.720	ug/l	# 73
29) Tetrahydrofuran	5.001	42	300912	322.506	ug/l	95
30) Chloroform	5.093	83	209454	58.925	ug/l	98
31) Cyclohexane	5.465	56	150448	50.738	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	183949	57.728	ug/l	97
36) 1,1-Dichloropropene	5.690	75	133347	52.408	ug/l	96
37) Ethyl Acetate	4.715	43	175777	62.967	ug/l	99
38) Carbon Tetrachloride	5.678	117	160283	56.400	ug/l	96
39) Methylcyclohexane	7.379	83	168820	50.023	ug/l	91
40) Benzene	6.038	78	429078	54.603	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	98387	67.699	ug/l	96
42) 1,2-Dichloroethane	6.086	62	158413	58.141	ug/l	95
43) Isopropyl Acetate	6.336	43	273497	60.819	ug/l	97
44) Trichloroethene	7.123	130	120968	52.949	ug/l	87
45) 1,2-Dichloropropane	7.428	63	103271	54.811	ug/l	99
46) Dibromomethane	7.580	93	81506	58.014	ug/l #	76
47) Bromodichloromethane	7.818	83	161334	62.299	ug/l	96
48) Methyl methacrylate	7.690	41	134040	63.019	ug/l	92
49) 1,4-Dioxane	7.659	88	60368	1318.635	ug/l #	88
51) 4-Methyl-2-Pentanone	8.574	43	886641	314.997	ug/l	97
52) Toluene	8.714	92	277216	55.986	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	155399	61.177	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	170575	59.070	ug/l	93
55) 1,1,2-Trichloroethane	9.147	97	114511	59.269	ug/l	99
56) Ethyl methacrylate	9.116	69	183551	62.143	ug/l	95
57) 1,3-Dichloropropane	9.305	76	185521	58.006	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	411851	286.493	ug/l	91
59) 2-Hexanone	9.427	43	685852	317.750	ug/l	95
60) Dibromochloromethane	9.519	129	138695	62.186	ug/l	99
61) 1,2-Dibromoethane	9.610	107	122317	59.007	ug/l	99
64) Tetrachloroethene	9.269	164	114524	58.285	ug/l	91
65) Chlorobenzene	10.080	112	277464	52.623	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	103350	57.225	ug/l	97
67) Ethyl Benzene	10.189	91	453713	53.920	ug/l	99
68) m/p-Xylenes	10.299	106	362716	106.781	ug/l	93
69) o-Xylene	10.640	106	181380	54.902	ug/l	93
70) Styrene	10.653	104	307672	57.244	ug/l	96
71) Bromoform	10.799	173	95131	61.610	ug/l #	99
73) Isopropylbenzene	10.964	105	455490	45.955	ug/l	97
74) N-amyl acetate	10.842	43	208575	53.543	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.214	83	158070	50.569	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	133926m	52.179	ug/l	
77) Bromobenzene	11.195	156	140414	48.681	ug/l	77
78) n-propylbenzene	11.305	91	528552	49.386	ug/l	95
79) 2-Chlorotoluene	11.366	91	330958	48.867	ug/l	92
80) 1,3,5-Trimethylbenzene	11.451	105	425490	51.600	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	44161	48.543	ug/l	95
82) 4-Chlorotoluene	11.451	91	391906	51.063	ug/l	93
83) tert-Butylbenzene	11.713	119	453737	51.384	ug/l	91
84) 1,2,4-Trimethylbenzene	11.750	105	432456	52.839	ug/l	93
85) sec-Butylbenzene	11.890	105	546733	53.616	ug/l	95
86) p-Isopropyltoluene	12.006	119	486713	54.163	ug/l	94
87) 1,3-Dichlorobenzene	11.969	146	266892	51.511	ug/l	95
88) 1,4-Dichlorobenzene	12.043	146	269114	50.622	ug/l	95
89) n-Butylbenzene	12.329	91	383273	56.174	ug/l	97
90) Hexachloroethane	12.536	117	81738	55.142	ug/l #	58
91) 1,2-Dichlorobenzene	12.335	146	268847	51.805	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.939	75	39851	60.760	ug/l #	54
93) 1,2,4-Trichlorobenzene	13.585	180	191035	53.093	ug/l	96
94) Hexachlorobutadiene	13.725	225	95238	51.807	ug/l	99
95) Naphthalene	13.774	128	577697	55.880	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	196230	51.776	ug/l	96

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

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