

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052623\
 Data File : VX035889.D
 Acq On : 26 May 2023 17:27
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/30/2023
 Supervised By : Mahesh Dadoda 05/30/2023

Quant Time: May 29 07:23:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X052623W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 29 07:19:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.549	168	198287	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	351859	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	321638	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	154601	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	169759	48.176	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.360%		
35) Dibromofluoromethane	5.385	113	117662	48.682	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.360%		
50) Toluene-d8	8.646	98	431490	48.645	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.300%		
62) 4-Bromofluorobenzene	11.079	95	174150	49.832	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.660%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	127252	48.257	ug/l	100
3) Chloromethane	1.294	50	129279	47.548	ug/l	100
4) Vinyl Chloride	1.373	62	124770	47.773	ug/l	100
5) Bromomethane	1.617	94	75176	48.031	ug/l	100
6) Chloroethane	1.690	64	72633	49.772	ug/l	100
7) Trichlorofluoromethane	1.885	101	185637	47.365	ug/l	100
8) Diethyl Ether	2.129	74	71333	49.561	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.330	101	110335	47.496	ug/l	100
10) Methyl Iodide	2.452	142	121467	51.544	ug/l	100
11) Tert butyl alcohol	3.007	59	151100m	246.366	ug/l	
12) 1,1-Dichloroethene	2.318	96	104660	48.067	ug/l	100
13) Acrolein	2.239	56	133125	218.775	ug/l	100
14) Allyl chloride	2.666	41	211803	49.238	ug/l	100
15) Acrylonitrile	3.068	53	337809	240.673	ug/l	100
16) Acetone	2.391	43	331682	233.157	ug/l	100
17) Carbon Disulfide	2.513	76	245102	48.599	ug/l	100
18) Methyl Acetate	2.702	43	267174	48.641	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	408757	48.690	ug/l	100
20) Methylene Chloride	2.788	84	125002	48.146	ug/l	100
21) trans-1,2-Dichloroethene	3.086	96	114667	47.772	ug/l	100
22) Diisopropyl ether	3.757	45	426127	49.333	ug/l	100
23) Vinyl Acetate	3.720	43	1533497	254.854	ug/l	100
24) 1,1-Dichloroethane	3.611	63	232381	48.749	ug/l	100
25) 2-Butanone	4.562	43	506652	246.220	ug/l	100
26) 2,2-Dichloropropane	4.470	77	180120	49.000	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	136157	48.765	ug/l	100
28) Bromochloromethane	4.897	49	120009	51.953	ug/l	100
29) Tetrahydrofuran	5.013	42	325750	244.689	ug/l	100
30) Chloroform	5.092	83	239802	49.036	ug/l	100
31) Cyclohexane	5.470	56	199887	47.760	ug/l	100
32) 1,1,1-Trichloroethane	5.385	97	211070	49.950	ug/l	100
36) 1,1-Dichloropropene	5.690	75	174057	47.427	ug/l	100
37) Ethyl Acetate	4.708	43	193679	48.751	ug/l	100
38) Carbon Tetrachloride	5.677	117	169707	49.062	ug/l	100
39) Methylcyclohexane	7.378	83	200501	47.880	ug/l	100
40) Benzene	6.037	78	493409	48.000	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	111078	49.116	ug/l	100
42) 1,2-Dichloroethane	6.086	62	209445	48.239	ug/l	100
43) Isopropyl Acetate	6.336	43	317144	49.816	ug/l	100
44) Trichloroethene	7.122	130	124422	48.591	ug/l	100
45) 1,2-Dichloropropane	7.427	63	129403	47.737	ug/l	100
46) Dibromomethane	7.580	93	90573	48.661	ug/l	100
47) Bromodichloromethane	7.823	83	174820	50.390	ug/l	100
48) Methyl methacrylate	7.689	41	160802	49.205	ug/l	100
49) 1,4-Dioxane	7.714	88	68690	984.944	ug/l	100
51) 4-Methyl-2-Pentanone	8.573	43	983888	248.265	ug/l	100
52) Toluene	8.720	92	315514	48.872	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	191081	53.335	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	206004	52.679	ug/l	100
55) 1,1,2-Trichloroethane	9.152	97	126318	49.355	ug/l	100
56) Ethyl methacrylate	9.116	69	202019	50.131	ug/l	100
57) 1,3-Dichloropropane	9.311	76	223091	48.054	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	516301	242.153	ug/l	100
59) 2-Hexanone	9.433	43	748841	249.995	ug/l	100
60) Dibromochloromethane	9.524	129	123987	52.945	ug/l	100
61) 1,2-Dibromoethane	9.610	107	132850	49.292	ug/l	100
64) Tetrachloroethene	9.274	164	100820	46.308	ug/l	100
65) Chlorobenzene	10.079	112	329489	48.121	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.164	131	117520	50.024	ug/l	100
67) Ethyl Benzene	10.195	91	612405	48.204	ug/l	100
68) m/p-Xylenes	10.299	106	455113	96.825	ug/l	100
69) o-Xylene	10.640	106	225951	48.388	ug/l	100
70) Styrene	10.658	104	377165	49.168	ug/l	100
71) Bromoform	10.799	173	78422	51.631	ug/l #	100
73) Isopropylbenzene	10.963	105	605668	48.303	ug/l	100
74) N-amyl acetate	10.841	43	270922	49.678	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	195569	47.718	ug/l	100
76) 1,2,3-Trichloropropane	11.237	75	188337m	48.815	ug/l	
77) Bromobenzene	11.195	156	135641	47.959	ug/l	100
78) n-propylbenzene	11.305	91	711993	48.719	ug/l	100
79) 2-Chlorotoluene	11.365	91	433226	46.761	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	512532	47.976	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	53068	46.013	ug/l	100
82) 4-Chlorotoluene	11.457	91	503274	47.736	ug/l	100
83) tert-Butylbenzene	11.713	119	493745	48.145	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	516502	48.278	ug/l	100
85) sec-Butylbenzene	11.890	105	625881	48.835	ug/l	100
86) p-Isopropyltoluene	12.012	119	522672	48.773	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	257207	47.646	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	261815	47.048	ug/l	100
89) n-Butylbenzene	12.335	91	467249	49.605	ug/l	100
90) Hexachloroethane	12.536	117	78627	50.716	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	254987	47.823	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.944	75	44339	51.698	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	152923	48.778	ug/l	100
94) Hexachlorobutadiene	13.725	225	59495	47.329	ug/l	100
95) Naphthalene	13.774	128	541056	49.674	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	151815	48.593	ug/l	100

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

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