

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121818\
 Data File : VX006592.D
 Acq On : 18 Dec 2018 12:31
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 12/19/2018 11:22:05 AM

Quant Time: Dec 19 00:55:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 00:31:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	616939	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	930505	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	874541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	453290	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	637167	95.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	191.66%	
35) Dibromofluoromethane	5.50	113	591379	100.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.00%	
50) Toluene-d8	8.71	98	2223710	100.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.48%	
62) 4-Bromofluorobenzene	11.13	95	818206	100.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	526866	93.351	ug/l	97
3) Chloromethane	1.32	50	567662	93.358	ug/l	99
4) Vinyl Chloride	1.41	62	605765	95.389	ug/l	100
5) Bromomethane	1.64	94	589553	85.382	ug/l	98
6) Chloroethane	1.71	64	492517	112.008	ug/l	97
7) Trichlorofluoromethane	1.92	101	947927	95.741	ug/l	99
8) Diethyl Ether	2.19	74	360512	91.674	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	543619	93.512	ug/l	98
10) Methyl Iodide	2.51	142	888277	106.744	ug/l	99
11) Tert butyl alcohol	3.09	59	712175	479.935	ug/l	99
12) 1,1-Dichloroethene	2.37	96	523084	94.896	ug/l	98
13) Acrolein	2.30	56	503343	502.816	ug/l	98
14) Allyl chloride	2.73	41	924203	99.609	ug/l	100
15) Acrylonitrile	3.15	53	1642001	498.374	ug/l	100
16) Acetone	2.45	43	1403261	459.362	ug/l	100
17) Carbon Disulfide	2.57	76	1436655	98.487	ug/l	99
18) Methyl Acetate	2.78	43	865592	96.363	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	1800403	98.410	ug/l	99
20) Methylene Chloride	2.85	84	586025	92.772	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	565874	92.652	ug/l	97
22) Diisopropyl ether	3.87	45	1668875	98.319	ug/l	94
23) Vinyl Acetate	3.82	43	6901338	497.062	ug/l	99
24) 1,1-Dichloroethane	3.70	63	942305	92.996	ug/l	99
25) 2-Butanone	4.70	43	2030473	472.537	ug/l	99
26) 2,2-Dichloropropane	4.58	77	775525	99.081	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	650162	96.485	ug/l	100
28) Bromochloromethane	5.02	49	440744	94.606	ug/l	100
29) Tetrahydrofuran	5.15	42	1364431	482.111	ug/l	100
30) Chloroform	5.21	83	1019448	97.155	ug/l	99
31) Cyclohexane	5.57	56	860244	93.450	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	899595	101.533	ug/l	100
36) 1,1-Dichloropropene	5.80	75	758335	98.399	ug/l	100
37) Ethyl Acetate	4.86	43	794363	99.032	ug/l	99
38) Carbon Tetrachloride	5.78	117	790938	105.603	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	979002	96.490	ug/l	99
40) Benzene	6.14	78	2301258	98.236	ug/l	99
41) Methacrylonitrile	5.06	41	439553	97.514	ug/l	99
42) 1,2-Dichloroethane	6.20	62	761203	95.359	ug/l	99
43) Isopropyl Acetate	6.46	43	1294648	106.077	ug/l	99
44) Trichloroethene	7.21	130	686858	96.873	ug/l	97
45) 1,2-Dichloropropane	7.51	63	570967	100.158	ug/l	99
46) Dibromomethane	7.66	93	409777	97.725	ug/l	97
47) Bromodichloromethane	7.90	83	746461	107.226	ug/l	98
48) Methyl methacrylate	7.77	41	655020	105.538	ug/l	100
49) 1,4-Dioxane	7.76	88	329384	1875.700	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	3985686	513.254	ug/l	99
52) Toluene	8.79	92	1514994	100.104	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	872089	116.805	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	928699	113.362	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	620784	100.213	ug/l	99
56) Ethyl methacrylate	9.18	69	929398	106.152	ug/l	99
57) 1,3-Dichloropropane	9.37	76	991948	99.528	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	2402754	516.271	ug/l	100
59) 2-Hexanone	9.50	43	3064266	515.736	ug/l	100
60) Dibromochloromethane	9.59	129	678881	118.979	ug/l	98
61) 1,2-Dibromoethane	9.67	107	688319	104.526	ug/l	100
64) Tetrachloroethene	9.34	164	642921	92.840	ug/l	97
65) Chlorobenzene	10.14	112	1797353	97.145	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	634931	109.993	ug/l	99
67) Ethyl Benzene	10.25	91	2958315	97.851	ug/l	99
68) m/p-Xylenes	10.36	106	2366835	198.396	ug/l	99
69) o-Xylene	10.70	106	1160986	98.552	ug/l	99
70) Styrene	10.71	104	1884039	101.089	ug/l	100
71) Bromoform	10.86	173	520664	118.476	ug/l #	99
73) Isopropylbenzene	11.02	105	3050808	98.380	ug/l	100
74) N-amyl acetate	10.90	43	1182905	106.569	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	935786	101.467	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	858776m	106.948	ug/l	
77) Bromobenzene	11.26	156	820490	97.866	ug/l	98
78) n-propylbenzene	11.36	91	3433536	100.546	ug/l	100
79) 2-Chlorotoluene	11.42	91	1976527	95.510	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	2520899	98.695	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	284714	121.061	ug/l	95
82) 4-Chlorotoluene	11.51	91	2323933	97.899	ug/l	100
83) tert-Butylbenzene	11.77	119	2595611	101.535	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	2592529	96.498	ug/l	99
85) sec-Butylbenzene	11.94	105	3110162	99.231	ug/l	100
86) p-Isopropyltoluene	12.07	119	2795553	101.467	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	1513159	100.145	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	1509885	97.362	ug/l	99
89) n-Butylbenzene	12.39	91	2452564	104.598	ug/l	99
90) Hexachloroethane	12.60	117	442082	117.791	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	1474812	97.573	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	207204	108.582	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	1085409	104.104	ug/l	99
94) Hexachlorobutadiene	13.78	225	498913	101.522	ug/l	99
95) Naphthalene	13.83	128	3353687	100.781	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	1081997	100.511	ug/l	99

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

