

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121018\
 Data File : VX006384.D
 Acq On : 10 Dec 2018 21:32
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 10:54:30 AM

Quant Time: Dec 11 04:53:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	574592	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	896284	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	819413	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	425435	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	303894	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
35) Dibromofluoromethane	5.51	113	291169	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
50) Toluene-d8	8.71	98	1039291	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	
62) 4-Bromofluorobenzene	11.13	95	402361	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	288910	51.352	ug/l	99
3) Chloromethane	1.33	50	269912	46.685	ug/l	98
4) Vinyl Chloride	1.41	62	301725	48.490	ug/l	98
5) Bromomethane	1.64	94	248420	57.607	ug/l	96
6) Chloroethane	1.72	64	189107	49.567	ug/l	99
7) Trichlorofluoromethane	1.93	101	477058	49.946	ug/l	100
8) Diethyl Ether	2.19	74	181603	50.237	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.39	101	275189	50.668	ug/l	99
10) Methyl Iodide	2.51	142	418636	51.147	ug/l	99
11) Tert butyl alcohol	3.07	59	384175	239.492	ug/l	100
12) 1,1-Dichloroethene	2.37	96	257974	49.617	ug/l	96
13) Acrolein	2.30	56	204763	233.546	ug/l	99
14) Allyl chloride	2.73	41	460853	44.871	ug/l	99
15) Acrylonitrile	3.15	53	831303	248.341	ug/l	99
16) Acetone	2.45	43	683385	248.258	ug/l	96
17) Carbon Disulfide	2.57	76	668843	41.747	ug/l	100
18) Methyl Acetate	2.78	43	478662	51.997	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	933479	50.328	ug/l	98
20) Methylene Chloride	2.86	84	291838	49.815	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	271922	49.077	ug/l	91
22) Diisopropyl ether	3.87	45	841582	52.460	ug/l	99
23) Vinyl Acetate	3.82	43	3433677	250.950	ug/l	99
24) 1,1-Dichloroethane	3.70	63	479445	52.288	ug/l	100
25) 2-Butanone	4.70	43	1015537	258.556	ug/l	97
26) 2,2-Dichloropropane	4.59	77	375949	44.426	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	327242	52.949	ug/l	97
28) Bromochloromethane	5.02	49	214292	53.505	ug/l	99
29) Tetrahydrofuran	5.15	42	686786	251.591	ug/l	97
30) Chloroform	5.22	83	514962	53.442	ug/l	98
31) Cyclohexane	5.57	56	408714	48.232	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	466206	50.850	ug/l	100
36) 1,1-Dichloropropene	5.80	75	357637	47.384	ug/l	100
37) Ethyl Acetate	4.86	43	394695	46.696	ug/l	98
38) Carbon Tetrachloride	5.79	117	418908	47.179	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	457706	46.718	ug/l	96
40) Benzene	6.15	78	1128080	49.902	ug/l	99
41) Methacrylonitrile	5.06	41	219167	47.123	ug/l	98
42) 1,2-Dichloroethane	6.20	62	375267	50.722	ug/l	99
43) Isopropyl Acetate	6.46	43	649003	46.053	ug/l	99
44) Trichloroethene	7.21	130	335545	48.997	ug/l	97
45) 1,2-Dichloropropane	7.52	63	280190	48.768	ug/l	99
46) Dibromomethane	7.66	93	206282	49.714	ug/l	96
47) Bromodichloromethane	7.90	83	389452	48.467	ug/l	99
48) Methyl methacrylate	7.77	41	326297	47.594	ug/l	98
49) 1,4-Dioxane	7.75	88	166573	985.800	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	2006408	244.568	ug/l	99
52) Toluene	8.79	92	741287	49.843	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	426320	45.366	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	454542	46.581	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	315799	52.267	ug/l	99
56) Ethyl methacrylate	9.18	69	471833	49.953	ug/l	96
57) 1,3-Dichloropropane	9.37	76	488736	51.154	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1143427	238.555	ug/l	99
59) 2-Hexanone	9.49	43	1497823	238.972	ug/l	99
60) Dibromochloromethane	9.59	129	358053	48.059	ug/l	100
61) 1,2-Dibromoethane	9.67	107	341007	50.476	ug/l	99
64) Tetrachloroethene	9.34	164	297803	48.259	ug/l	99
65) Chlorobenzene	10.14	112	880195	50.602	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	331709	49.082	ug/l	99
67) Ethyl Benzene	10.25	91	1436916	49.668	ug/l	99
68) m/p-Xylenes	10.36	106	1147304	99.003	ug/l	99
69) o-Xylene	10.70	106	570392	49.830	ug/l	99
70) Styrene	10.71	104	934723	50.488	ug/l	99
71) Bromoform	10.86	173	286913	44.973	ug/l #	99
73) Isopropylbenzene	11.02	105	1501917	51.120	ug/l	100
74) N-amyl acetate	10.90	43	584205	46.176	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	471418	50.155	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	441790m	53.801	ug/l	
77) Bromobenzene	11.26	156	409261	50.195	ug/l	99
78) n-propylbenzene	11.36	91	1658812	50.792	ug/l	99
79) 2-Chlorotoluene	11.42	91	991670	51.088	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1237047	50.605	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	147468	42.144	ug/l	92
82) 4-Chlorotoluene	11.51	91	1127415	49.955	ug/l	100
83) tert-Butylbenzene	11.77	119	1317589	50.517	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1278207	50.639	ug/l	100
85) sec-Butylbenzene	11.94	105	1525478	51.412	ug/l	100
86) p-Isopropyltoluene	12.07	119	1367883	51.196	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	731788	50.440	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	726762	49.355	ug/l	99
89) n-Butylbenzene	12.39	91	1134827	49.779	ug/l	100
90) Hexachloroethane	12.60	117	256777	47.154	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	722314	50.165	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	108372	44.978	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	521998	49.692	ug/l	100
94) Hexachlorobutadiene	13.78	225	236644	50.939	ug/l	99
95) Naphthalene	13.83	128	1662666	50.883	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	518464	49.830	ug/l	99

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

