

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121818\
 Data File : VX006631.D
 Acq On : 19 Dec 2018 06:58
 Operator : JC/MD
 Sample : J6408-10MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA.PZ135I-20181208MS

Manual Integrations
 APPROVED

MMDadoda
 12/19/2018 11:22:59 AM

Quant Time: Dec 19 07:46:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:23:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	485641	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	813180	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	760238	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	390586	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	266779	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
35) Dibromofluoromethane	5.50	113	244958	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	
50) Toluene-d8	8.71	98	878433	45.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.62%	
62) 4-Bromofluorobenzene	11.13	95	342973	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	204942	46.129	ug/l	99
3) Chloromethane	1.33	50	251445	52.533	ug/l	96
4) Vinyl Chloride	1.41	62	267161	53.443	ug/l	98
5) Bromomethane	1.64	94	257094	55.315	ug/l	99
6) Chloroethane	1.72	64	174294	50.354	ug/l	97
7) Trichlorofluoromethane	1.93	101	414974	53.244	ug/l	99
8) Diethyl Ether	2.19	74	169006	54.596	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.39	101	220036	48.083	ug/l	98
10) Methyl Iodide	2.51	142	393956	60.141	ug/l	99
11) Tert butyl alcohol	3.07	59	370045	316.794	ug/l	97
12) 1,1-Dichloroethene	2.37	96	231487	53.350	ug/l	93
13) Acrolein	2.29	56	179395	227.658	ug/l	99
14) Allyl chloride	2.73	41	357975	49.013	ug/l	98
15) Acrylonitrile	3.15	53	747235	288.115	ug/l	99
16) Acetone	2.45	43	648279	269.591	ug/l	97
17) Carbon Disulfide	2.57	76	542209	47.219	ug/l	99
18) Methyl Acetate	2.78	43	308090	43.572	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	815269	56.610	ug/l	97
20) Methylene Chloride	2.85	84	268172	53.932	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	248167	51.619	ug/l	91
22) Diisopropyl ether	3.87	45	748680	56.032	ug/l	97
23) Vinyl Acetate	3.82	43	2013006	184.183	ug/l	100
24) 1,1-Dichloroethane	3.70	63	428666	53.743	ug/l	99
25) 2-Butanone	4.70	43	929587	274.824	ug/l	99
26) 2,2-Dichloropropane	4.59	77	115898	18.810	ug/l	86
27) cis-1,2-Dichloroethene	4.60	96	288818	54.449	ug/l	93
28) Bromochloromethane	5.02	49	180494	53.823	ug/l	97
29) Tetrahydrofuran	5.15	42	639996	287.276	ug/l	98
30) Chloroform	5.21	83	463746	56.145	ug/l	97
31) Cyclohexane	5.57	56	365770	50.477	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	382007	54.772	ug/l	98
36) 1,1-Dichloropropene	5.80	75	331161	49.170	ug/l	99
37) Ethyl Acetate	4.86	43	261591	37.317	ug/l	99
38) Carbon Tetrachloride	5.78	117	322417	49.259	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	368628	41.574	ug/l	98
40) Benzene	6.14	78	1034906	50.552	ug/l	99
41) Methacrylonitrile	5.06	41	201382	51.122	ug/l	99
42) 1,2-Dichloroethane	6.20	62	351511	50.389	ug/l	99
43) Isopropyl Acetate	6.46	43	462226	43.337	ug/l	99
44) Trichloroethene	7.21	130	297822	48.065	ug/l	98
45) 1,2-Dichloropropane	7.51	63	258710	51.930	ug/l	98
46) Dibromomethane	7.66	93	186482	50.890	ug/l	94
47) Bromodichloromethane	7.90	83	313655	51.556	ug/l	100
48) Methyl methacrylate	7.77	41	294554	54.306	ug/l	99
49) 1,4-Dioxane	7.75	88	154479	1090.335	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1864180	274.694	ug/l	98
52) Toluene	8.79	92	680609	51.460	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	285122	43.698	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	330238	46.127	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	283761	52.416	ug/l	97
56) Ethyl methacrylate	9.18	69	413970	54.104	ug/l	98
57) 1,3-Dichloropropane	9.37	76	453690	52.089	ug/l	98
59) 2-Hexanone	9.49	43	1423598	274.170	ug/l	100
60) Dibromochloromethane	9.59	129	270129	47.816	ug/l	100
61) 1,2-Dibromoethane	9.67	107	307900	53.503	ug/l	99
64) Tetrachloroethene	9.34	164	274899	45.665	ug/l	98
65) Chlorobenzene	10.14	112	794838	49.419	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	265599	52.929	ug/l	99
67) Ethyl Benzene	10.25	91	1305270	49.665	ug/l	100
68) m/p-Xylenes	10.36	106	1037765	100.068	ug/l	100
69) o-Xylene	10.70	106	518349	50.616	ug/l	99
70) Stvrene	10.71	104	838620	51.762	ug/l	99
71) Bromoform	10.86	173	193830	43.463	ug/l #	99
73) Isopropylbenzene	11.02	105	1346335	50.385	ug/l	100
74) N-amyl acetate	10.90	43	352482	36.853	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	427370	53.779	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	382248m	55.838	ug/l	
77) Bromobenzene	11.26	156	369130	51.097	ug/l	96
78) n-propylbenzene	11.36	91	1466938	49.854	ug/l	100
79) 2-Chlorotoluene	11.42	91	891287	49.983	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1120516	50.912	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	70708	31.368	ug/l #	75
82) 4-Chlorotoluene	11.51	91	1027352	50.227	ug/l	99
83) tert-Butylbenzene	11.77	119	1151499	52.275	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	1144712	49.448	ug/l	99
85) sec-Butylbenzene	11.94	105	1345073	49.805	ug/l	99
86) p-Isopropyltoluene	12.07	119	1178935	49.660	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	650386	49.954	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	645283	48.290	ug/l	100
89) n-Butylbenzene	12.39	91	936399	46.347	ug/l	99
90) Hexachloroethane	12.60	117	171509	46.414	ug/l	91
91) 1,2-Dichlorobenzene	12.39	146	648061	49.759	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	83847	50.992	ug/l	95
93) 1,2,4-Trichlorobenzene	13.65	180	427750	47.613	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	178917	42.252	ug/l	99
95) Naphthalene	13.83	128	1470351	51.279	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	444950	47.969	ug/l	99

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

