

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121218\
 Data File : VX006463.D
 Acq On : 13 Dec 2018 00:12
 Operator : JC/MD
 Sample : VX1212WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS02

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 11:05:36 AM

Quant Time: Dec 13 07:18:50 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	536098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	843043	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	767709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	402512	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	296381	54.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.32%	
35) Dibromofluoromethane	5.51	113	275642	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
50) Toluene-d8	8.71	98	987131	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
62) 4-Bromofluorobenzene	11.13	95	382381	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	109326	20.827	ug/l	97
3) Chloromethane	1.33	50	116931	21.677	ug/l	98
4) Vinyl Chloride	1.41	62	132102	22.754	ug/l	99
5) Bromomethane	1.64	94	119010	29.579	ug/l	99
6) Chloroethane	1.72	64	80840	22.710	ug/l	96
7) Trichlorofluoromethane	1.93	101	196125	22.008	ug/l	97
8) Diethyl Ether	2.19	74	77629	23.017	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.39	101	112241	22.150	ug/l	98
10) Methyl Iodide	2.51	142	171419	22.447	ug/l	97
11) Tert butyl alcohol	3.07	59	158746	106.067	ug/l	99
12) 1,1-Dichloroethene	2.37	96	107547	22.170	ug/l	93
13) Acrolein	2.29	56	91905	112.351	ug/l	99
14) Allyl chloride	2.73	41	182450	19.040	ug/l	98
15) Acrylonitrile	3.15	53	334902	107.232	ug/l	99
16) Acetone	2.45	43	270962	105.502	ug/l	96
17) Carbon Disulfide	2.57	76	277562	18.569	ug/l	99
18) Methyl Acetate	2.78	43	180469	21.012	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	373499	21.583	ug/l	99
20) Methylene Chloride	2.86	84	121784	22.280	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	114541	22.157	ug/l	90
22) Diisopropyl ether	3.87	45	332564	22.219	ug/l	97
23) Vinyl Acetate	3.82	43	1355609	106.189	ug/l	100
24) 1,1-Dichloroethane	3.70	63	194929	22.785	ug/l	99
25) 2-Butanone	4.70	43	402822	109.923	ug/l	100
26) 2,2-Dichloropropane	4.59	77	129346	16.383	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	131285	22.768	ug/l	97
28) Bromochloromethane	5.02	49	76805	20.554	ug/l	100
29) Tetrahydrofuran	5.15	42	272732	107.084	ug/l	96
30) Chloroform	5.21	83	204064	22.698	ug/l	94
31) Cyclohexane	5.57	56	173297	21.919	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	180223	21.069	ug/l	99
36) 1,1-Dichloropropene	5.80	75	150969	21.265	ug/l	99
37) Ethyl Acetate	4.85	43	158979	19.997	ug/l	97
38) Carbon Tetrachloride	5.79	117	154021	18.442	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	192882	20.931	ug/l	96
40) Benzene	6.15	78	465454	21.890	ug/l	99
41) Methacrylonitrile	5.06	41	85856	19.626	ug/l	97
42) 1,2-Dichloroethane	6.20	62	154938	22.264	ug/l	99
43) Isopropyl Acetate	6.46	43	249751	18.841	ug/l	99
44) Trichloroethene	7.21	130	135123	20.977	ug/l	94
45) 1,2-Dichloropropane	7.51	63	113026	20.915	ug/l	96
46) Dibromomethane	7.66	93	81794	20.957	ug/l	95
47) Bromodichloromethane	7.90	83	142296	18.827	ug/l	100
48) Methyl methacrylate	7.77	41	127988	19.847	ug/l	97
49) 1,4-Dioxane	7.75	88	68872	433.334	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	801093	103.815	ug/l	97
52) Toluene	8.79	92	306846	21.935	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	151989	17.195	ug/l	97
54) cis-1,3-Dichloropropene	8.44	75	169202	18.435	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	125404	22.066	ug/l	97
56) Ethyl methacrylate	9.18	69	182986	20.596	ug/l	97
57) 1,3-Dichloropropane	9.37	76	196984	21.920	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	419414	93.029	ug/l	99
59) 2-Hexanone	9.49	43	610495	103.553	ug/l	98
60) Dibromochloromethane	9.59	129	120903	17.253	ug/l	98
61) 1,2-Dibromoethane	9.67	107	135146	21.268	ug/l	99
64) Tetrachloroethene	9.34	164	123610	21.380	ug/l	95
65) Chlorobenzene	10.14	112	354210	21.735	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	119134	18.815	ug/l	98
67) Ethyl Benzene	10.25	91	577605	21.310	ug/l	98
68) m/p-Xylenes	10.36	106	470496	43.334	ug/l	98
69) o-Xylene	10.70	106	232380	21.668	ug/l	100
70) Styrene	10.71	104	369020	21.275	ug/l	99
71) Bromoform	10.86	173	90852	15.200	ug/l	97
73) Isopropylbenzene	11.02	105	607482	21.854	ug/l	100
74) N-amyl acetate	10.90	43	230702	19.273	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	189933	21.358	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	173298m	22.306	ug/l	
77) Bromobenzene	11.26	156	162793	21.103	ug/l	97
78) n-propylbenzene	11.36	91	658223	21.302	ug/l	100
79) 2-Chlorotoluene	11.42	91	402640	21.924	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	496056	21.448	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	45547	13.758	ug/l #	84
82) 4-Chlorotoluene	11.51	91	454225	21.273	ug/l	99
83) tert-Butylbenzene	11.77	119	514872	20.865	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	512265	21.450	ug/l	99
85) sec-Butylbenzene	11.94	105	601850	21.439	ug/l	100
86) p-Isopropyltoluene	12.06	119	535626	21.189	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	292578	21.315	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	294321	21.126	ug/l	99
89) n-Butylbenzene	12.39	91	437785	20.297	ug/l	98
90) Hexachloroethane	12.60	117	83361	16.180	ug/l	92
91) 1,2-Dichlorobenzene	12.39	146	294872	21.645	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	39386	17.278	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	198978	20.021	ug/l	98
94) Hexachlorobutadiene	13.78	225	87106	19.818	ug/l	100
95) Naphthalene	13.83	128	651273	21.066	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	201535	20.473	ug/l	99

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

