

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122118\
 Data File : VX006715.D
 Acq On : 21 Dec 2018 11:29
 Operator : JC/MD
 Sample : VX1221WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1221WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/22/2018 11:20:57 AM

Quant Time: Dec 22 04:21:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	595557	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	903537	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	816505	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	422150	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	307364	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	
35) Dibromofluoromethane	5.51	113	279355	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
50) Toluene-d8	8.71	98	1055886	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
62) 4-Bromofluorobenzene	11.13	95	385486	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	99757	18.310	ug/l	99
3) Chloromethane	1.33	50	104480	17.800	ug/l	95
4) Vinyl Chloride	1.41	62	116474	18.999	ug/l	98
5) Bromomethane	1.64	94	110408	18.075	ug/l	97
6) Chloroethane	1.72	64	77940	18.361	ug/l	93
7) Trichlorofluoromethane	1.93	101	187545	19.622	ug/l	93
8) Diethyl Ether	2.19	74	69372	18.274	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	112478	20.043	ug/l	99
10) Methyl Iodide	2.51	142	106299	13.233	ug/l	100
11) Tert butyl alcohol	3.07	59	153740	107.325	ug/l	98
12) 1,1-Dichloroethene	2.38	96	100738	18.932	ug/l	97
13) Acrolein	2.29	56	107704	111.454	ug/l	96
14) Allyl chloride	2.73	41	170927	19.084	ug/l	99
15) Acrylonitrile	3.15	53	324291	101.961	ug/l	99
16) Acetone	2.45	43	301349	102.189	ug/l	98
17) Carbon Disulfide	2.57	76	224500	15.943	ug/l	99
18) Methyl Acetate	2.78	43	183079	21.113	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	354031	20.046	ug/l	98
20) Methylene Chloride	2.86	84	114589	18.792	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	106579	18.077	ug/l	96
22) Diisopropyl ether	3.87	45	327363	19.979	ug/l	92
23) Vinyl Acetate	3.82	43	1295358	96.646	ug/l	100
24) 1,1-Dichloroethane	3.70	63	179783	18.380	ug/l	99
25) 2-Butanone	4.70	43	420339	101.334	ug/l	100
26) 2,2-Dichloropropane	4.59	77	126967	16.804	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	125796	19.339	ug/l	98
28) Bromochloromethane	5.02	49	86047	19.747	ug/l	99
29) Tetrahydrofuran	5.15	42	281012	102.858	ug/l	98
30) Chloroform	5.21	83	194060	19.158	ug/l	98
31) Cyclohexane	5.57	56	169076	19.027	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	159728	18.675	ug/l	98
36) 1,1-Dichloropropene	5.80	75	143568	19.185	ug/l	98
37) Ethyl Acetate	4.85	43	156182	20.052	ug/l	100
38) Carbon Tetrachloride	5.78	117	133869	18.407	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	191245	19.412	ug/l	99
40) Benzene	6.14	78	443690	19.505	ug/l	99
41) Methacrylonitrile	5.06	41	86052	20.809	ug/l	97
42) 1,2-Dichloroethane	6.20	62	148832	19.201	ug/l	99
43) Isopropyl Acetate	6.46	43	235801	19.897	ug/l	100
44) Trichloroethene	7.21	130	130117	18.899	ug/l	96
45) 1,2-Dichloropropane	7.52	63	112287	20.285	ug/l	97
46) Dibromomethane	7.66	93	77504	19.035	ug/l	99
47) Bromodichloromethane	7.90	83	124776	18.458	ug/l	99
48) Methyl methacrylate	7.77	41	126301	20.957	ug/l	99
49) 1,4-Dioxane	7.75	88	66034	406.989	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	803194	106.518	ug/l	100
52) Toluene	8.79	92	292680	19.916	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	129551	17.870	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	151451	19.039	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	118911	19.769	ug/l	98
56) Ethyl methacrylate	9.18	69	173265	20.380	ug/l	99
57) 1,3-Dichloropropane	9.37	76	190875	19.723	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	451754	99.964	ug/l	100
59) 2-Hexanone	9.49	43	620223	107.503	ug/l	99
60) Dibromochloromethane	9.59	129	104237	18.123	ug/l	99
61) 1,2-Dibromoethane	9.67	107	127370	19.919	ug/l	99
64) Tetrachloroethene	9.34	164	129776	20.072	ug/l	96
65) Chlorobenzene	10.14	112	335758	19.437	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	106692	19.797	ug/l	100
67) Ethyl Benzene	10.25	91	565829	20.046	ug/l	99
68) m/p-Xylenes	10.36	106	440280	39.529	ug/l	100
69) o-Xylene	10.70	106	213700	19.430	ug/l	94
70) Styrene	10.71	104	343987	19.769	ug/l	98
71) Bromoform	10.86	173	73020	18.141	ug/l #	100
73) Isopropylbenzene	11.02	105	581407	20.132	ug/l	100
74) N-amyl acetate	10.90	43	217301	21.021	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	178733	20.810	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	164963m	21.027	ug/l	
77) Bromobenzene	11.26	156	154664	19.809	ug/l	98
78) n-propylbenzene	11.36	91	647617	20.363	ug/l	100
79) 2-Chlorotoluene	11.42	91	378147	19.621	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	475602	19.994	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	35349	16.784	ug/l #	85
82) 4-Chlorotoluene	11.51	91	441970	19.992	ug/l	99
83) tert-Butylbenzene	11.77	119	476094	19.998	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	494605	19.768	ug/l	99
85) sec-Butylbenzene	11.94	105	586389	20.089	ug/l	99
86) p-Isopropyltoluene	12.06	119	527421	20.555	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	281019	19.970	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	284284	19.707	ug/l	99
89) n-Butylbenzene	12.39	91	440908	20.191	ug/l	98
90) Hexachloroethane	12.60	117	66146	18.680	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	277311	19.700	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	33736	18.983	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	192921	19.868	ug/l	99
94) Hexachlorobutadiene	13.79	225	89253	19.501	ug/l	99
95) Naphthalene	13.83	128	602664	19.447	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	193202	19.271	ug/l	99

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

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