

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122218\
 Data File : VX006764.D
 Acq On : 22 Dec 2018 11:43
 Operator : JC/MD
 Sample : VX1222WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1222WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/24/2018 11:47:35 AM

Quant Time: Dec 24 04:39:00 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	5.66	168	589589	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	882473	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	800107	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	409524	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	308052	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
35) Dibromofluoromethane	5.50	113	276387	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
50) Toluene-d8	8.71	98	1051708	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
62) 4-Bromofluorobenzene	11.13	95	377377	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	94689	17.555	ug/l	99
3) Chloromethane	1.33	50	100422	17.282	ug/l	99
4) Vinyl Chloride	1.41	62	111436	18.362	ug/l	99
5) Bromomethane	1.64	94	108185	17.870	ug/l	96
6) Chloroethane	1.73	64	72358	17.219	ug/l	98
7) Trichlorofluoromethane	1.93	101	178684	18.884	ug/l	98
8) Diethyl Ether	2.19	74	68478	18.221	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	108028	19.445	ug/l	98
10) Methyl Iodide	2.51	142	137580	17.300	ug/l	100
11) Tert butyl alcohol	3.06	59	133800	94.351	ug/l	98
12) 1,1-Dichloroethene	2.38	96	95473	18.124	ug/l	99
13) Acrolein	2.29	56	86704	90.631	ug/l	98
14) Allyl chloride	2.73	41	163082	18.392	ug/l	98
15) Acrylonitrile	3.15	53	303143	96.277	ug/l	100
16) Acetone	2.45	43	291516	99.855	ug/l	98
17) Carbon Disulfide	2.57	76	215059	15.427	ug/l	98
18) Methyl Acetate	2.78	43	175945	20.496	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	341409	19.527	ug/l	99
20) Methylene Chloride	2.86	84	112484	18.633	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	104380	17.883	ug/l	99
22) Diisopropyl ether	3.87	45	321344	19.810	ug/l	97
23) Vinyl Acetate	3.82	43	1307523	98.542	ug/l	99
24) 1,1-Dichloroethane	3.70	63	183939	18.995	ug/l	99
25) 2-Butanone	4.70	43	400302	97.481	ug/l	100
26) 2,2-Dichloropropane	4.59	77	128120	17.128	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	120876	18.770	ug/l	98
28) Bromochloromethane	5.02	49	84687	19.620	ug/l	97
29) Tetrahydrofuran	5.15	42	260820	96.434	ug/l	99
30) Chloroform	5.21	83	192402	19.187	ug/l	99
31) Cyclohexane	5.57	56	166510	18.927	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	156824	18.521	ug/l	98
36) 1,1-Dichloropropene	5.80	75	141521	19.363	ug/l	100
37) Ethyl Acetate	4.85	43	147715	19.418	ug/l	99
38) Carbon Tetrachloride	5.79	117	132569	18.664	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	185167	19.243	ug/l	99
40) Benzene	6.14	78	436106	19.630	ug/l	98
41) Methacrylonitrile	5.05	41	84607	20.948	ug/l	98
42) 1,2-Dichloroethane	6.20	62	148490	19.614	ug/l	98
43) Isopropyl Acetate	6.45	43	230131	19.882	ug/l	99
44) Trichloroethene	7.21	130	126124	18.756	ug/l	96
45) 1,2-Dichloropropane	7.51	63	106613	19.720	ug/l	99
46) Dibromomethane	7.66	93	76981	19.358	ug/l	99
47) Bromodichloromethane	7.90	83	122006	18.480	ug/l	93
48) Methyl methacrylate	7.77	41	120651	20.498	ug/l	97
49) 1,4-Dioxane	7.75	88	58683	368.487	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	756468	102.716	ug/l	100
52) Toluene	8.79	92	281283	19.598	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	124897	17.639	ug/l	95
54) cis-1,3-Dichloropropene	8.43	75	149413	19.231	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	118216	20.122	ug/l	98
56) Ethyl methacrylate	9.18	69	166669	20.072	ug/l	99
57) 1,3-Dichloropropane	9.37	76	185876	19.665	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	437826	99.194	ug/l	99
59) 2-Hexanone	9.49	43	588391	104.420	ug/l	99
60) Dibromochloromethane	9.58	129	102562	18.240	ug/l	99
61) 1,2-Dibromoethane	9.67	107	122978	19.692	ug/l	99
64) Tetrachloroethene	9.33	164	119491	18.860	ug/l	98
65) Chlorobenzene	10.14	112	331381	19.577	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	106467	20.160	ug/l	98
67) Ethyl Benzene	10.25	91	539656	19.510	ug/l	99
68) m/p-Xylenes	10.36	106	424150	38.861	ug/l	99
69) o-Xylene	10.70	106	208069	19.305	ug/l	98
70) Styrene	10.71	104	330214	19.366	ug/l	99
71) Bromoform	10.86	173	70484	17.936	ug/l #	98
73) Isopropylbenzene	11.02	105	561089	20.027	ug/l	98
74) N-amyl acetate	10.90	43	201484	20.092	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	174597	20.955	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	157120m	20.645	ug/l	
77) Bromobenzene	11.26	156	149637	19.756	ug/l	99
78) n-propylbenzene	11.36	91	620106	20.100	ug/l	99
79) 2-Chlorotoluene	11.42	91	368375	19.703	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	456051	19.763	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	34211	16.754	ug/l	87
82) 4-Chlorotoluene	11.51	91	423371	19.741	ug/l	100
83) tert-Butylbenzene	11.77	119	465081	20.137	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	474687	19.557	ug/l	99
85) sec-Butylbenzene	11.94	105	567154	20.029	ug/l	99
86) p-Isopropyltoluene	12.06	119	498955	20.045	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	266604	19.530	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	267849	19.140	ug/l	99
89) n-Butylbenzene	12.39	91	426212	20.120	ug/l	99
90) Hexachloroethane	12.60	117	62189	18.206	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	261374	19.140	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	30605	17.752	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	182017	19.323	ug/l	98
94) Hexachlorobutadiene	13.78	225	84817	19.104	ug/l	99
95) Naphthalene	13.83	128	560423	18.641	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	181841	18.697	ug/l	99

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

