

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121118\
 Data File : VX006424.D
 Acq On : 11 Dec 2018 16:51
 Operator : JC/MD
 Sample : VX1211WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1211WBSD01

Manual Integrations
 APPROVED

MMDadoda
 12/12/2018 10:40:16 AM

Quant Time: Dec 12 05:49:41 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	627764	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	954848	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	862782	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	447680	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	336588	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	
35) Dibromofluoromethane	5.51	113	315471	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
50) Toluene-d8	8.71	98	1150613	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	
62) 4-Bromofluorobenzene	11.13	95	442923	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	123708	20.126	ug/l	99
3) Chloromethane	1.33	50	119055	18.848	ug/l	97
4) Vinyl Chloride	1.41	62	131285	19.312	ug/l	95
5) Bromomethane	1.64	94	97496	20.694	ug/l	99
6) Chloroethane	1.72	64	84633	20.304	ug/l	98
7) Trichlorofluoromethane	1.93	101	203971	19.546	ug/l	95
8) Diethyl Ether	2.19	74	81091	20.532	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	118982	20.052	ug/l	99
10) Methyl Iodide	2.51	142	123133	13.770	ug/l	99
11) Tert butyl alcohol	3.07	59	183044	104.443	ug/l	99
12) 1,1-Dichloroethene	2.38	96	112398	19.787	ug/l	91
13) Acrolein	2.29	56	95228	99.414	ug/l	99
14) Allyl chloride	2.73	41	199296	17.761	ug/l	98
15) Acrylonitrile	3.15	53	363642	99.432	ug/l	99
16) Acetone	2.45	43	307416	102.218	ug/l	96
17) Carbon Disulfide	2.57	76	274299	15.671	ug/l	100
18) Methyl Acetate	2.78	43	210853	20.965	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	411764	20.320	ug/l	97
20) Methylene Chloride	2.86	84	129481	20.230	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	118867	19.636	ug/l	96
22) Diisopropyl ether	3.87	45	363638	20.748	ug/l	94
23) Vinyl Acetate	3.82	43	1464565	97.972	ug/l	100
24) 1,1-Dichloroethane	3.70	63	209131	20.876	ug/l	99
25) 2-Butanone	4.70	43	452848	105.529	ug/l	99
26) 2,2-Dichloropropane	4.59	77	163237	17.656	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	143757	21.290	ug/l	95
28) Bromochloromethane	5.02	49	95228	21.763	ug/l	99
29) Tetrahydrofuran	5.15	42	300057	100.610	ug/l	98
30) Chloroform	5.21	83	216261	20.542	ug/l	96
31) Cyclohexane	5.57	56	174676	18.867	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	197196	19.687	ug/l	99
36) 1,1-Dichloropropene	5.79	75	154442	19.207	ug/l	99
37) Ethyl Acetate	4.85	43	171203	19.013	ug/l	98
38) Carbon Tetrachloride	5.79	117	170060	17.978	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	193141	18.505	ug/l	98
40) Benzene	6.14	78	483961	20.096	ug/l	98
41) Methacrylonitrile	5.06	41	95423	19.259	ug/l	97
42) 1,2-Dichloroethane	6.20	62	162879	20.665	ug/l	99
43) Isopropyl Acetate	6.46	43	277800	18.504	ug/l	99
44) Trichloroethene	7.21	130	141914	19.452	ug/l	98
45) 1,2-Dichloropropane	7.51	63	123512	20.179	ug/l	99
46) Dibromomethane	7.66	93	87539	19.803	ug/l	96
47) Bromodichloromethane	7.90	83	155268	18.138	ug/l	98
48) Methyl methacrylate	7.77	41	138469	18.958	ug/l	98
49) 1,4-Dioxane	7.75	88	74770	415.358	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	877572	100.410	ug/l	97
52) Toluene	8.79	92	317546	20.042	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	170193	17.000	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	186127	17.904	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	135677	21.078	ug/l	99
56) Ethyl methacrylate	9.18	69	199484	19.824	ug/l	97
57) 1,3-Dichloropropane	9.37	76	206930	20.330	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	473413	92.711	ug/l	100
59) 2-Hexanone	9.49	43	670089	100.353	ug/l	99
60) Dibromochloromethane	9.58	129	137091	17.272	ug/l	100
61) 1,2-Dibromoethane	9.67	107	143822	19.983	ug/l	100
64) Tetrachloroethene	9.34	164	130445	20.076	ug/l	99
65) Chlorobenzene	10.14	112	375390	20.496	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	133573	18.771	ug/l	98
67) Ethyl Benzene	10.25	91	617577	20.274	ug/l	98
68) m/p-Xylenes	10.36	106	492000	40.321	ug/l	100
69) o-Xylene	10.70	106	241846	20.066	ug/l	99
70) Styrene	10.71	104	391444	20.081	ug/l	99
71) Bromoform	10.86	173	102701	15.289	ug/l #	99
73) Isopropylbenzene	11.02	105	642961	20.797	ug/l	100
74) N-amyl acetate	10.90	43	248628	18.675	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	207945	21.024	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	191967m	22.216	ug/l	
77) Bromobenzene	11.26	156	175217	20.422	ug/l	100
78) n-propylbenzene	11.36	91	697709	20.302	ug/l	99
79) 2-Chlorotoluene	11.42	91	418188	20.473	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	540275	21.003	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	55933	15.190	ug/l	85
82) 4-Chlorotoluene	11.51	91	486168	20.472	ug/l	99
83) tert-Butylbenzene	11.77	119	564761	20.577	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	554504	20.876	ug/l	99
85) sec-Butylbenzene	11.94	105	642573	20.580	ug/l	99
86) p-Isopropyltoluene	12.06	119	576538	20.506	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	314601	20.607	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	312588	20.173	ug/l	99
89) n-Butylbenzene	12.39	91	470836	19.627	ug/l	100
90) Hexachloroethane	12.60	117	95089	16.594	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	315919	20.851	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	45271	17.855	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	221155	20.007	ug/l	100
94) Hexachlorobutadiene	13.78	225	98887	20.228	ug/l	99
95) Naphthalene	13.83	128	718596	20.899	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	220950	20.181	ug/l	97

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

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