

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021919\
 Data File : VX007617.D
 Acq On : 19 Feb 2019 16:57
 Operator : JC/SP
 Sample : K1528-06MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1MSD

Manual Integrations
 APPROVED

MMDadoda
 2/20/2019 10:34:59 AM

Quant Time: Feb 20 07:38:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	596154	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	888936	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	822041	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	434877	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	338765	53.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.08%	
35) Dibromofluoromethane	5.51	113	284166	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
50) Toluene-d8	8.72	98	1085460	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
62) 4-Bromofluorobenzene	11.13	95	404703	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	307128	41.953	ug/l	99
3) Chloromethane	1.32	50	336175	50.065	ug/l	100
4) Vinyl Chloride	1.40	62	395722	60.072	ug/l	99
5) Bromomethane	1.64	94	19728	2.563	ug/l	98
6) Chloroethane	1.71	64	188122	44.146	ug/l	98
7) Trichlorofluoromethane	1.93	101	448253	43.498	ug/l	98
8) Diethyl Ether	2.19	74	183412	47.288	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.39	101	268602	43.819	ug/l	98
10) Methyl Iodide	2.51	142	19020	2.109	ug/l #	93
11) Tert butyl alcohol	3.07	59	288807	220.544	ug/l #	73
12) 1,1-Dichloroethene	2.37	96	254295	44.675	ug/l	97
13) Acrolein	2.26	56	751246	1223.389	ug/l #	1
14) Allyl chloride	2.73	41	326702	35.226	ug/l	95
15) Acrylonitrile	3.15	53	871810	269.120	ug/l	88
16) Acetone	2.45	43	756326	260.933	ug/l	98
17) Carbon Disulfide	2.57	76	590005	40.079	ug/l	99
18) Methyl Acetate	2.78	43	674201	88.806	ug/l #	85
19) Methyl tert-butyl Ether	3.20	73	772238	41.877	ug/l #	1
20) Methylene Chloride	2.85	84	275168	46.449	ug/l	91
21) trans-1,2-Dichloroethene	3.17	96	233389	38.491	ug/l	95
22) Diisopropyl ether	3.87	45	882698	51.741	ug/l	96
23) Vinyl Acetate	3.82	43	3766775	266.078	ug/l	98
24) 1,1-Dichloroethane	3.70	63	399169	40.744	ug/l	99
25) 2-Butanone	4.70	43	1153952	279.747	ug/l	96
26) 2,2-Dichloropropane	4.59	77	342202	45.865	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	311444	47.026	ug/l	96
28) Bromochloromethane	5.02	49	217320	48.236	ug/l	93
29) Tetrahydrofuran	5.15	42	711556	274.273	ug/l	98
30) Chloroform	5.22	83	533897	52.224	ug/l	94
31) Cyclohexane	5.58	56	3914312	444.853	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	438018	50.759	ug/l	99
36) 1,1-Dichloropropene	5.80	75	356106	44.648	ug/l	96
37) Ethyl Acetate	4.85	43	416092	51.608	ug/l	98
38) Carbon Tetrachloride	5.79	117	367327	47.471	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.46	83	2175623	225.453	ug/l	94
40) Benzene	6.14	78	1061566	45.183	ug/l	99
41) Methacrylonitrile	5.06	41	259649	60.088	ug/l #	57
42) 1,2-Dichloroethane	6.20	62	398754	49.053	ug/l	90
43) Isopropyl Acetate	6.46	43	738586	59.349	ug/l	96
44) Trichloroethene	7.21	130	318148	44.961	ug/l	96
45) 1,2-Dichloropropane	7.51	63	291063	49.445	ug/l	99
46) Dibromomethane	7.66	93	198996	46.511	ug/l	93
47) Bromodichloromethane	7.90	83	368128	50.770	ug/l	99
48) Methyl methacrylate	7.77	41	346894	55.728	ug/l	96
49) 1,4-Dioxane	7.75	88	126363	893.359	ug/l #	91
51) 4-Methyl-2-Pentanone	8.66	43	2230502	272.263	ug/l	100
52) Toluene	8.79	92	24433642m	1611.884	ug/l	
53) t-1,3-Dichloropropene	9.04	75	237093	30.441	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	73467	8.577	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	302784	47.919	ug/l	98
56) Ethyl methacrylate	9.18	69	511467	58.444	ug/l	93
57) 1,3-Dichloropropane	9.37	76	502228	49.980	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	1233039	267.312	ug/l	99
59) 2-Hexanone	9.49	43	1705006	267.448	ug/l	100
60) Dibromochloromethane	9.59	129	327970	54.881	ug/l	98
61) 1,2-Dibromoethane	9.67	107	328849	49.144	ug/l	98
64) Tetrachloroethene	9.34	164	323285	41.725	ug/l	99
65) Chlorobenzene	10.14	112	811328	45.228	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	301222	50.085	ug/l	100
67) Ethyl Benzene	10.25	91	22677962m	785.036	ug/l	
68) m/p-Xylenes	10.36	106	22245572m	1937.215	ug/l	
69) o-Xylene	10.71	106	10423120	943.289	ug/l	63
70) Styrene	10.71	104	1570628	87.646	ug/l #	1
71) Bromoform	10.86	173	250328	47.661	ug/l	99
73) Isopropylbenzene	11.02	105	4689083	158.671	ug/l	99
74) N-amyl acetate	10.90	43	633674	55.437	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	452388	50.230	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	412743	48.794	ug/l #	30
77) Bromobenzene	11.26	156	379498	45.577	ug/l	96
78) n-propylbenzene	11.36	91	10499712	324.006	ug/l	98
79) 2-Chlorotoluene	11.44	91	5133625m	261.078	ug/l	
80) 1,3,5-Trimethylbenzene	11.51	105	11037746	456.533	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.07	75	3257m	5.318	ug/l	
82) 4-Chlorotoluene	11.51	91	2321303	102.025	ug/l #	70
83) tert-Butylbenzene	11.77	119	1180586	49.321	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	16844657m	686.259	ug/l	
85) sec-Butylbenzene	11.94	105	1713052	59.129	ug/l	94
86) p-Isopropyltoluene	12.07	119	1429185	54.648	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	683952	45.770	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	683200	45.064	ug/l	98
89) n-Butylbenzene	12.39	91	2301478	102.300	ug/l #	60
90) Hexachloroethane	12.59	117	563087	143.864	ug/l #	38
91) 1,2-Dichlorobenzene	12.39	146	671338	45.143	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	136760	73.029	ug/l	72

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	504868	50.340	ug/l	96
94) Hexachlorobutadiene	13.79	225	213926	43.928	ug/l	99
95) Naphthalene	13.83	128	14305382	487.767	ug/l #	85
96) 1,2,3-Trichlorobenzene	14.02	180	492804	48.815	ug/l	97

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

