

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021919\
 Data File : VX007616.D
 Acq On : 19 Feb 2019 16:30
 Operator : JC/SP
 Sample : K1528-05MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1MS

Manual Integrations
 APPROVED

MMDadoda
 2/20/2019 10:34:52 AM

Quant Time: Feb 20 07:29:41 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	524694	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	795545	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	736220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	391033	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	311691	55.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.94%	
35) Dibromofluoromethane	5.51	113	265274	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
50) Toluene-d8	8.72	98	958747	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
62) 4-Bromofluorobenzene	11.14	95	363180	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	266181	41.315	ug/l	99
3) Chloromethane	1.32	50	313266	53.007	ug/l	99
4) Vinyl Chloride	1.40	62	357765	61.707	ug/l	99
5) Bromomethane	1.64	94	21592	3.308	ug/l	97
6) Chloroethane	1.71	64	178533	47.602	ug/l	99
7) Trichlorofluoromethane	1.93	101	395670	43.625	ug/l	99
8) Diethyl Ether	2.19	74	176301	51.645	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.39	101	225499	41.798	ug/l	99
10) Methyl Iodide	2.51	142	22288	2.808	ug/l #	93
11) Tert butyl alcohol	3.08	59	262623	227.863	ug/l #	73
12) 1,1-Dichloroethene	2.38	96	226961	45.304	ug/l	98
13) Acrolein	2.26	56	581894	1076.661	ug/l #	1
14) Allyl chloride	2.73	41	250125	30.642	ug/l	96
15) Acrylonitrile	3.15	53	789678	276.966	ug/l	90
16) Acetone	2.45	43	664246	260.376	ug/l	98
17) Carbon Disulfide	2.57	76	447981	34.867	ug/l	100
18) Methyl Acetate	2.78	43	501300	75.117	ug/l #	87
19) Methyl tert-butyl Ether	3.20	73	720597	44.398	ug/l #	4
20) Methylene Chloride	2.86	84	233362	44.743	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	206990	38.786	ug/l	94
22) Diisopropyl ether	3.87	45	801080	53.352	ug/l	97
23) Vinyl Acetate	3.82	43	3462252	277.875	ug/l	98
24) 1,1-Dichloroethane	3.70	63	419530	48.654	ug/l	98
25) 2-Butanone	4.70	43	1050858	289.450	ug/l	97
26) 2,2-Dichloropropane	4.59	77	301506	45.915	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	280615	48.142	ug/l	96
28) Bromochloromethane	5.02	49	197897	49.907	ug/l	93
29) Tetrahydrofuran	5.15	42	651611	285.375	ug/l	99
30) Chloroform	5.22	83	488152	54.253	ug/l	98
31) Cyclohexane	5.58	56	3216616	415.348	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	384417	50.615	ug/l	98
36) 1,1-Dichloropropene	5.80	75	309200	43.318	ug/l	97
37) Ethyl Acetate	4.85	43	380655	52.755	ug/l	98
38) Carbon Tetrachloride	5.78	117	318915	46.053	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	1783428	206.507	ug/l	95
40) Benzene	6.15	78	967308	46.005	ug/l	98
41) Methacrylonitrile	5.06	41	234236	60.570	ug/l #	57
42) 1,2-Dichloroethane	6.20	62	371581	51.077	ug/l	92
43) Isopropyl Acetate	6.46	43	666634	59.856	ug/l	97
44) Trichloroethene	7.21	130	278703	44.011	ug/l	93
45) 1,2-Dichloropropane	7.52	63	263942	50.101	ug/l	98
46) Dibromomethane	7.66	93	185836	48.535	ug/l	94
47) Bromodichloromethane	7.90	83	337596	52.024	ug/l	98
48) Methyl methacrylate	7.77	41	320204	57.479	ug/l	100
49) 1,4-Dioxane	7.76	88	119637	944.700	ug/l #	94
51) 4-Methyl-2-Pentanone	8.66	43	2087156	284.673	ug/l	100
52) Toluene	8.79	92	23775561m	1752.597	ug/l	
53) t-1,3-Dichloropropene	9.04	75	230191	33.024	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	76857	10.027	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	287292	50.805	ug/l	97
56) Ethyl methacrylate	9.18	69	474202	60.546	ug/l	94
57) 1,3-Dichloropropane	9.37	76	467945	52.035	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1186002	287.298	ug/l	98
59) 2-Hexanone	9.49	43	1582917	277.445	ug/l	100
60) Dibromochloromethane	9.59	129	299401	55.982	ug/l	99
61) 1,2-Dibromoethane	9.67	107	305644	51.038	ug/l	98
64) Tetrachloroethene	9.34	164	286237	41.250	ug/l	100
65) Chlorobenzene	10.14	112	729497	45.407	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	274911	51.038	ug/l	99
67) Ethyl Benzene	10.25	91	21819185m	843.354	ug/l	
68) m/p-Xylenes	10.36	106	21749162m	2114.768	ug/l	
69) o-Xylene	10.71	106	9611418	971.226	ug/l	67
70) Styrene	10.71	104	1439577	89.697	ug/l #	1
71) Bromoform	10.86	173	233751	49.521	ug/l	100
73) Isopropylbenzene	11.02	105	4158531	156.496	ug/l	99
74) N-amyl acetate	10.90	43	592529	57.650	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	428996	52.973	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	397823	52.303	ug/l #	30
77) Bromobenzene	11.26	156	341992	45.678	ug/l	94
78) n-propylbenzene	11.36	91	9494504	325.838	ug/l	99
79) 2-Chlorotoluene	11.44	91	4612741m	260.890	ug/l	
80) 1,3,5-Trimethylbenzene	11.51	105	10247181	471.356	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.08	75	3028m	5.355	ug/l	
82) 4-Chlorotoluene	11.51	91	2082494	101.791	ug/l #	70
83) tert-Butylbenzene	11.77	119	1046246	48.609	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	16237807m	735.709	ug/l	
85) sec-Butylbenzene	11.94	105	1490412	57.213	ug/l	94
86) p-Isopropyltoluene	12.07	119	1263554	53.732	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	614338	45.721	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	613223	44.984	ug/l	98
89) n-Butylbenzene	12.38	91	2021206	99.915	ug/l #	60
90) Hexachloroethane	12.59	117	501852	142.595	ug/l #	37
91) 1,2-Dichlorobenzene	12.39	146	611783	45.751	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	128135	76.095	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	459237	50.925	ug/l	94
94) Hexachlorobutadiene	13.78	225	190642	43.536	ug/l	99
95) Naphthalene	13.83	128	13841437	524.865	ug/l #	86
96) 1,2,3-Trichlorobenzene	14.02	180	456905	50.334	ug/l	98

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

