

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021419\
 Data File : VX007533.D
 Acq On : 13 Feb 2019 20:57
 Operator : JC/SP
 Sample : K1460-05MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2-20190208MS

Manual Integrations
 APPROVED

MMDadoda
 2/14/2019 10:57:22 AM

Quant Time: Feb 14 03:58:07 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	5.66	168	455435	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	689441	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	621410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	308926	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	242562	50.18	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.36%		
35) Dibromofluoromethane	5.50	113	226846	50.57	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.14%		
50) Toluene-d8	8.71	98	802016	48.19	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.38%		
62) 4-Bromofluorobenzene	11.13	95	284157	46.76	ug/l	0.00
Spiked Amount 50.000			Recovery =	93.52%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	242591	43.370	ug/l	98
3) Chloromethane	1.33	50	210884	41.109	ug/l	99
4) Vinyl Chloride	1.41	62	237805	47.254	ug/l	99
5) Bromomethane	1.64	94	203224	40.750	ug/l	98
6) Chloroethane	1.72	64	161229	49.525	ug/l	96
7) Trichlorofluoromethane	1.93	101	371764	47.223	ug/l	98
8) Diethyl Ether	2.19	74	140970	47.575	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	208325	44.487	ug/l	98
10) Methyl Iodide	2.51	142	274746	39.883	ug/l	99
11) Tert butyl alcohol	3.07	59	311245	311.116	ug/l	97
12) 1,1-Dichloroethene	2.37	96	194685	44.771	ug/l	96
13) Acrolein	2.30	56	107489	229.128	ug/l #	78
14) Allyl chloride	2.73	41	339013	47.847	ug/l	99
15) Acrylonitrile	3.15	53	630370	254.713	ug/l	99
16) Acetone	2.45	43	563886	254.650	ug/l	100
17) Carbon Disulfide	2.57	76	484520	42.924	ug/l	98
18) Methyl Acetate	2.78	43	324005	56.085	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	735010	52.173	ug/l	99
20) Methylene Chloride	2.86	84	215988	47.735	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	207801	44.860	ug/l	99
22) Diisopropyl ether	3.87	45	659210	50.580	ug/l	97
23) Vinyl Acetate	3.82	43	2619614	242.219	ug/l	98
24) 1,1-Dichloroethane	3.70	63	368076	49.178	ug/l	99
25) 2-Butanone	4.70	43	840891	266.839	ug/l	98
26) 2,2-Dichloropropane	4.59	77	239765	42.065	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	244497	48.324	ug/l	97
28) Bromochloromethane	5.02	49	167100	48.549	ug/l	98
29) Tetrahydrofuran	5.15	42	540258	272.589	ug/l	99
30) Chloroform	5.21	83	397677	50.919	ug/l	98
31) Cyclohexane	5.57	56	364955	54.292	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	334273	50.706	ug/l	99
36) 1,1-Dichloropropene	5.80	75	272713	44.086	ug/l	99
37) Ethyl Acetate	4.85	43	293710	46.970	ug/l	99
38) Carbon Tetrachloride	5.78	117	291961	48.649	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	390004	52.109	ug/l	96
40) Benzene	6.14	78	1003843	55.090	ug/l	98
41) Methacrylonitrile	5.06	41	170570	50.895	ug/l	99
42) 1,2-Dichloroethane	6.20	62	290613	46.095	ug/l	96
43) Isopropyl Acetate	6.46	43	480655	49.799	ug/l	99
44) Trichloroethene	7.21	130	241520	44.008	ug/l	95
45) 1,2-Dichloropropane	7.52	63	216427	47.404	ug/l	99
46) Dibromomethane	7.66	93	154695	46.619	ug/l	99
47) Bromodichloromethane	7.90	83	280869	49.944	ug/l	98
48) Methyl methacrylate	7.77	41	253892	52.589	ug/l	97
49) 1,4-Dioxane	7.75	88	107420	978.523	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1636119	257.498	ug/l	99
52) Toluene	8.79	92	542113	46.111	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	296940	49.157	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	324490	48.847	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	231182	47.174	ug/l	98
56) Ethyl methacrylate	9.18	69	338775	49.912	ug/l	100
57) 1,3-Dichloropropane	9.37	76	372622	47.812	ug/l	98
59) 2-Hexanone	9.49	43	1248848	252.578	ug/l	100
60) Dibromochloromethane	9.59	129	243067	52.443	ug/l	97
61) 1,2-Dibromoethane	9.67	107	250299	48.229	ug/l	99
64) Tetrachloroethene	9.34	164	220751	37.690	ug/l	99
65) Chlorobenzene	10.14	112	631428	46.564	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	230724	50.749	ug/l	98
67) Ethyl Benzene	10.25	91	1020189	46.718	ug/l	99
68) m/p-Xylenes	10.36	106	803487	92.561	ug/l	100
69) o-Xylene	10.69	106	390218	46.716	ug/l	98
70) Stvrene	10.71	104	630276	46.527	ug/l	100
71) Bromoform	10.85	173	187008	47.148	ug/l	99
73) Isopropylbenzene	11.02	105	1045663	49.810	ug/l	99
74) N-amyl acetate	10.90	43	419820	51.702	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	349214	54.583	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	323766m	53.880	ug/l	
77) Bromobenzene	11.26	156	282583	47.774	ug/l	99
78) n-propylbenzene	11.36	91	1142668	49.637	ug/l	100
79) 2-Chlorotoluene	11.42	91	674409	48.282	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	834804	48.606	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	91025	47.090	ug/l	97
82) 4-Chlorotoluene	11.51	91	775749	47.996	ug/l	100
83) tert-Butylbenzene	11.77	119	864028	50.813	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	865062	49.612	ug/l	99
85) sec-Butylbenzene	11.94	105	1008176	48.987	ug/l	100
86) p-Isopropyltoluene	12.07	119	888482	47.824	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	484752	45.665	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	484963	45.030	ug/l	99
89) n-Butylbenzene	12.39	91	742934	46.487	ug/l	100
90) Hexachloroethane	12.60	117	148237	53.314	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	491194	46.496	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	71674	53.877	ug/l	96
93) 1,2,4-Trichlorobenzene	13.65	180	325028	45.622	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	146045	42.216	ug/l	100
95) Naphthalene	13.83	128	1078121	51.748	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	331506	46.226	ug/l	99

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

