

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX031119\
 Data File : VX007989.D
 Acq On : 11 Mar 2019 23:49
 Operator : JC/SP
 Sample : K1841-03MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D2-20190308MSD

Manual Integrations
 APPROVED

MMDadoda
 3/12/2019 2:20:59 PM

Quant Time: Mar 12 09:26:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	233158	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	343110	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	299912	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	152516	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	127777	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	
35) Dibromofluoromethane	5.51	113	114977	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	
50) Toluene-d8	8.71	98	429235	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	
62) 4-Bromofluorobenzene	11.13	95	150079	53.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	92862	46.618	ug/l	100
3) Chloromethane	1.33	50	118849	46.297	ug/l	99
4) Vinyl Chloride	1.41	62	125091	49.042	ug/l	99
5) Bromomethane	1.64	94	64982	54.387	ug/l	100
6) Chloroethane	1.72	64	77760	45.890	ug/l	98
7) Trichlorofluoromethane	1.93	101	167228	50.356	ug/l	97
8) Diethyl Ether	2.19	74	73006	50.767	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	122780	59.661	ug/l	99
10) Methyl Iodide	2.51	142	158060	54.138	ug/l	98
11) Tert butyl alcohol	3.08	59	140168	254.829	ug/l	100
12) 1,1-Dichloroethene	2.37	96	112142	56.531	ug/l	97
13) Acrolein	2.30	56	85457	274.386	ug/l	100
14) Allyl chloride	2.73	41	196354	47.105	ug/l	99
15) Acrylonitrile	3.15	53	341356	245.867	ug/l	100
16) Acetone	2.45	43	282237	198.252	ug/l	98
17) Carbon Disulfide	2.57	76	300634	49.905	ug/l	100
18) Methyl Acetate	2.78	43	137110	45.334	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	351864	51.559	ug/l	99
20) Methylene Chloride	2.86	84	112442	49.628	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	108355	49.642	ug/l	97
22) Diisopropyl ether	3.87	45	373708	48.907	ug/l	98
23) Vinyl Acetate	3.82	43	1372395	204.812	ug/l	99
24) 1,1-Dichloroethane	3.70	63	206778	50.285	ug/l	99
25) 2-Butanone	4.70	43	461103	228.780	ug/l	98
26) 2,2-Dichloropropane	4.58	77	114622	42.074	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	133642	53.506	ug/l	96
28) Bromochloromethane	5.02	49	98923	51.601	ug/l	97
29) Tetrahydrofuran	5.15	42	312360	248.458	ug/l	99
30) Chloroform	5.21	83	205494	52.829	ug/l	98
31) Cyclohexane	5.58	56	183176	48.468	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	169225	52.434	ug/l	98
36) 1,1-Dichloropropene	5.80	75	152147	48.973	ug/l	99
37) Ethyl Acetate	4.85	43	150164	40.730	ug/l	99
38) Carbon Tetrachloride	5.78	117	152558	51.724	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	178200	47.336	ug/l	99
40) Benzene	6.14	78	464359	50.206	ug/l	99
41) Methacrylonitrile	5.06	41	98314	48.911	ug/l	99
42) 1,2-Dichloroethane	6.20	62	151324	50.029	ug/l	100
43) Isopropyl Acetate	6.46	43	248053	45.461	ug/l	99
44) Trichloroethene	7.23	130	8849586	3471.956	ug/l	98
45) 1,2-Dichloropropane	7.51	63	121132	49.586	ug/l	98
46) Dibromomethane	7.66	93	77356	50.037	ug/l	99
47) Bromodichloromethane	7.90	83	148692	50.730	ug/l	99
48) Methyl methacrylate	7.77	41	139579	48.655	ug/l	98
49) 1,4-Dioxane	7.75	88	58682	995.792	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	861066	245.388	ug/l	99
52) Toluene	8.79	92	286792	50.788	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	159587	52.165	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	174488	50.507	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	121267	53.050	ug/l	99
56) Ethyl methacrylate	9.18	69	177864	51.823	ug/l	97
57) 1,3-Dichloropropane	9.37	76	194166	50.589	ug/l	100
59) 2-Hexanone	9.49	43	646425	237.280	ug/l	99
60) Dibromochloromethane	9.58	129	123491	51.685	ug/l	99
61) 1,2-Dibromoethane	9.67	107	124182	51.168	ug/l	99
64) Tetrachloroethene	9.34	164	129892	52.263	ug/l	99
65) Chlorobenzene	10.14	112	313172	49.901	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	116811	51.933	ug/l	100
67) Ethyl Benzene	10.25	91	526903	51.003	ug/l	99
68) m/p-Xylenes	10.36	106	408387	102.558	ug/l	99
69) o-Xylene	10.69	106	196119	51.014	ug/l	99
70) Styrene	10.71	104	327953	52.131	ug/l	100
71) Bromoform	10.85	173	99072	51.290	ug/l #	100
73) Isopropylbenzene	11.02	105	525950	50.989	ug/l	100
74) N-amyl acetate	10.90	43	192462	40.871	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	171155	48.104	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	164200m	51.306	ug/l	
77) Bromobenzene	11.26	156	142707	50.462	ug/l	98
78) n-propylbenzene	11.36	91	583545	50.995	ug/l	100
79) 2-Chlorotoluene	11.42	91	346170	49.477	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	436045	51.362	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	48560	48.500	ug/l	99
82) 4-Chlorotoluene	11.51	91	398893	49.749	ug/l	99
83) tert-Butylbenzene	11.77	119	433162	50.653	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	446455	51.299	ug/l	99
85) sec-Butylbenzene	11.94	105	519659	51.596	ug/l	99
86) p-Isopropyltoluene	12.06	119	466841	51.756	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	250552	50.079	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	251949	49.174	ug/l	100
89) n-Butylbenzene	12.39	91	386714	50.605	ug/l	99
90) Hexachloroethane	12.60	117	75719	50.208	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	247501	49.797	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	36382	48.927	ug/l	96
93) 1,2,4-Trichlorobenzene	13.65	180	174897	50.091	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	90799	49.740	ug/l	99
95) Naphthalene	13.83	128	524449	52.130	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	176738	50.813	ug/l	100

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

