

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX112918\
 Data File : VX006215.D
 Acq On : 29 Nov 2018 16:45
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX112918

Manual Integrations
 APPROVED

MMDadoda
 11/30/2018 10:13:25 AM

Quant Time: Nov 30 04:03:05 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	816315	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1191022	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1099750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	582090	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	397448	47.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.38%	
35) Dibromofluoromethane	5.51	113	382706	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
50) Toluene-d8	8.71	98	1379578	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
62) 4-Bromofluorobenzene	11.14	95	535354	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	420520	52.612	ug/l	99
3) Chloromethane	1.33	50	429085	52.240	ug/l	98
4) Vinyl Chloride	1.41	62	452595	51.198	ug/l	98
5) Bromomethane	1.64	94	308396	50.338	ug/l	98
6) Chloroethane	1.72	64	277674	51.230	ug/l	100
7) Trichlorofluoromethane	1.93	101	680253	50.130	ug/l	100
8) Diethyl Ether	2.19	74	248187	48.326	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	380424	49.303	ug/l	99
10) Methyl Iodide	2.51	142	552680	47.529	ug/l	100
11) Tert butyl alcohol	3.07	59	551842	242.146	ug/l	99
12) 1,1-Dichloroethene	2.37	96	359936	48.729	ug/l	99
13) Acrolein	2.29	56	303270	243.474	ug/l	99
14) Allyl chloride	2.73	41	719722	49.325	ug/l	100
15) Acrylonitrile	3.15	53	1154425	242.749	ug/l	100
16) Acetone	2.45	43	955519	244.332	ug/l	100
17) Carbon Disulfide	2.57	76	1146511	50.372	ug/l	100
18) Methyl Acetate	2.78	43	635812	48.616	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	1289602	48.940	ug/l	100
20) Methylene Chloride	2.86	84	393733	47.306	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	385428	48.964	ug/l	98
22) Diisopropyl ether	3.87	45	1109200	48.668	ug/l	99
23) Vinyl Acetate	3.82	43	4793893	246.614	ug/l	99
24) 1,1-Dichloroethane	3.70	63	620528	47.635	ug/l	98
25) 2-Butanone	4.70	43	1359146	243.571	ug/l	99
26) 2,2-Dichloropropane	4.59	77	570169	47.426	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	427088	48.642	ug/l	99
28) Bromochloromethane	5.02	49	290183	50.999	ug/l	100
29) Tetrahydrofuran	5.15	42	930265	239.874	ug/l	100
30) Chloroform	5.21	83	655111	47.855	ug/l	97
31) Cyclohexane	5.57	56	578893	48.086	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	626059	48.066	ug/l	99
36) 1,1-Dichloropropene	5.80	75	491892	49.044	ug/l	100
37) Ethyl Acetate	4.85	43	542211	48.274	ug/l	99
38) Carbon Tetrachloride	5.79	117	583409	49.445	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	642991	49.389	ug/l	98
40) Benzene	6.15	78	1487050	49.503	ug/l	98
41) Methacrylonitrile	5.06	41	294770	47.695	ug/l	100
42) 1,2-Dichloroethane	6.20	62	487234	49.559	ug/l	100
43) Isopropyl Acetate	6.46	43	906458	48.404	ug/l	100
44) Trichloroethene	7.21	130	446992	49.118	ug/l	97
45) 1,2-Dichloropropane	7.52	63	369998	48.463	ug/l	100
46) Dibromomethane	7.66	93	272962	49.505	ug/l	100
47) Bromodichloromethane	7.90	83	529317	49.572	ug/l	98
48) Methyl methacrylate	7.77	41	446172	48.974	ug/l	100
49) 1,4-Dioxane	7.75	88	216958	966.241	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	2712016	248.770	ug/l	100
52) Toluene	8.79	92	966734	48.916	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	621840	49.796	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	636899	49.117	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	401877	50.054	ug/l	99
56) Ethyl methacrylate	9.18	69	622752	49.615	ug/l	100
57) 1,3-Dichloropropane	9.37	76	631478	49.738	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	1542365	242.154	ug/l	100
59) 2-Hexanone	9.49	43	2072624	248.847	ug/l	99
60) Dibromochloromethane	9.59	129	490140	49.508	ug/l	100
61) 1,2-Dibromoethane	9.67	107	437824	48.769	ug/l	100
64) Tetrachloroethene	9.34	164	396005	47.814	ug/l	99
65) Chlorobenzene	10.14	112	1145595	49.072	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	440687	48.585	ug/l	99
67) Ethyl Benzene	10.25	91	1894336	48.788	ug/l	99
68) m/p-Xylenes	10.36	106	1518367	97.623	ug/l	100
69) o-Xylene	10.70	106	745178	48.505	ug/l	99
70) Styrene	10.71	104	1230381	49.517	ug/l	99
71) Bromoform	10.86	173	430539	50.283	ug/l	99
73) Isopropylbenzene	11.02	105	1965635	48.898	ug/l	100
74) N-amyl acetate	10.90	43	834595	48.214	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	618892	48.124	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	580304m	51.650	ug/l	
77) Bromobenzene	11.26	156	547897	49.113	ug/l	99
78) n-propylbenzene	11.36	91	2213483	49.536	ug/l	100
79) 2-Chlorotoluene	11.42	91	1303589	49.083	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1627267	48.653	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	230831	48.214	ug/l	98
82) 4-Chlorotoluene	11.51	91	1516170	49.101	ug/l	100
83) tert-Butylbenzene	11.77	119	1737120	48.678	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	1670712	48.376	ug/l	99
85) sec-Butylbenzene	11.94	105	2003693	49.355	ug/l	100
86) p-Isopropyltoluene	12.07	119	1790820	48.987	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	984674	49.605	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	972662	48.277	ug/l	99
89) n-Butylbenzene	12.39	91	1546647	49.585	ug/l	99
90) Hexachloroethane	12.60	117	365887	49.108	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	945599	47.999	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	148559	45.064	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	712082	49.544	ug/l	99
94) Hexachlorobutadiene	13.79	225	320584	50.436	ug/l	100
95) Naphthalene	13.83	128	2168734	48.508	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	706213	49.608	ug/l	99

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

