

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040319\
 Data File : VX008617.D
 Acq On : 03 Apr 2019 16:57
 Operator : JC/SP
 Sample : K2241-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

Manual Integrations
 APPROVED

MMDadoda
 4/4/2019 4:04:39 PM

Quant Time: Apr 04 15:45:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 15:38:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	184083	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	309812	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	276790	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	122296	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	132047	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
35) Dibromofluoromethane	5.49	113	94093	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	
50) Toluene-d8	8.71	98	388893	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
62) 4-Bromofluorobenzene	11.13	95	136537	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	3764	1.776	ug/l 93
3) Chloromethane	1.32	50	6535	2.232	ug/l 99
4) Vinyl Chloride	1.40	62	5265	1.838	ug/l 95
5) Bromomethane	1.64	94	5449	3.567	ug/l 89
6) Chloroethane	1.70	64	3179	1.673	ug/l 99
7) Trichlorofluoromethane	1.91	101	5943	1.877	ug/l 96
8) Diethyl Ether	2.18	74	3026	2.015	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	2.37	101	3768	1.848	ug/l 97
10) Methyl Iodide	2.50	142	10123	6.024	ug/l 98
11) Tert butyl alcohol	3.07	59	29957	47.658	ug/l 100
12) 1,1-Dichloroethene	2.36	96	3743	1.759	ug/l 91
13) Acrolein	2.29	56	12684	40.695	ug/l 99
14) Allyl chloride	2.72	41	8949	1.837	ug/l 98
15) Acrylonitrile	3.15	53	15662	9.405	ug/l 98
16) Acetone	2.45	43	13742	8.886	ug/l 99
17) Carbon Disulfide	2.56	76	11666	1.707	ug/l 98
18) Methyl Acetate	2.78	43	7258	1.935	ug/l 100
19) Methyl tert-butyl Ether	3.20	73	14290	1.880	ug/l 99
20) Methylene Chloride	2.85	84	5602	2.164	ug/l 98
21) trans-1,2-Dichloroethene	3.16	96	4154	1.805	ug/l 86
22) Diisopropyl ether	3.86	45	17849	1.901	ug/l 96
23) Vinyl Acetate	3.81	43	70751	8.661	ug/l 96
24) 1,1-Dichloroethane	3.69	63	8889	1.912	ug/l 99
25) 2-Butanone	4.69	43	22090	9.038	ug/l 99
26) 2,2-Dichloropropane	4.57	77	5652	1.726	ug/l 95
27) cis-1,2-Dichloroethene	4.59	96	4993	1.887	ug/l 97
28) Bromochloromethane	5.01	49	4600	2.085	ug/l # 97
29) Tetrahydrofuran	5.13	42	15012	9.254	ug/l 97
30) Chloroform	5.20	83	7641	1.840	ug/l 93
31) Cyclohexane	5.58	56	8400	1.811	ug/l 96
32) 1,1,1-Trichloroethane	5.49	97	6047	1.802	ug/l 98
36) 1,1-Dichloropropene	5.79	75	5838	1.724	ug/l 92
37) Ethyl Acetate	4.84	43	8081	1.788	ug/l # 90
38) Carbon Tetrachloride	5.78	117	4888	1.744	ug/l 91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	7565	1.808	ug/l	98
40) Benzene	6.14	78	18830	1.866	ug/l	98
41) Methacrylonitrile	5.06	41	4728	1.820	ug/l #	90
42) 1,2-Dichloroethane	6.20	62	7396	2.045	ug/l	99
43) Isopropyl Acetate	6.45	43	12762	1.802	ug/l	99
44) Trichloroethene	7.21	130	4263	1.814	ug/l	91
45) 1,2-Dichloropropane	7.51	63	5306	1.843	ug/l	93
46) Dibromomethane	7.67	93	3089	1.850	ug/l	96
47) Bromodichloromethane	7.90	83	5169	1.641	ug/l #	97
48) Methyl methacrylate	7.77	41	6670	1.862	ug/l	95
49) 1,4-Dioxane	7.75	88	2712	40.417	ug/l	92
51) 4-Methyl-2-Pentanone	8.64	43	41658	9.139	ug/l	100
52) Toluene	8.78	92	11380	1.913	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	5591	1.585	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	6399	1.588	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	4572	1.915	ug/l	97
56) Ethyl methacrylate	9.18	69	7673	1.776	ug/l	96
57) 1,3-Dichloropropane	9.37	76	8138	1.898	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.31	63	20670	9.371	ug/l	99
59) 2-Hexanone	9.49	43	31440	8.875	ug/l	99
60) Dibromochloromethane	9.58	129	3632	1.614	ug/l	99
61) 1,2-Dibromoethane	9.67	107	4186	1.684	ug/l	90
64) Tetrachloroethene	9.34	164	3685	1.797	ug/l	96
65) Chlorobenzene	10.13	112	11443	1.865	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	3492	1.622	ug/l #	63
67) Ethyl Benzene	10.25	91	20568	1.798	ug/l	99
68) m/p-Xylenes	10.35	106	14768	3.590	ug/l	98
69) o-Xylene	10.69	106	7122	1.787	ug/l	100
70) Styrene	10.71	104	11620	1.691	ug/l	97
71) Bromoform	10.86	173	2423	1.474	ug/l #	95
73) Isopropylbenzene	11.02	105	18805	1.855	ug/l	99
74) N-amyl acetate	10.90	43	9918	1.663	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	7485	1.942	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	6941m	2.066	ug/l	
77) Bromobenzene	11.26	156	4783	1.963	ug/l	97
78) n-propylbenzene	11.36	91	20725	1.756	ug/l	100
79) 2-Chlorotoluene	11.42	91	12902	1.807	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	15598	1.833	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	1655m	1.358	ug/l	
82) 4-Chlorotoluene	11.51	91	15148	1.832	ug/l	99
83) tert-Butylbenzene	11.77	119	15026	1.836	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	15796	1.834	ug/l	99
85) sec-Butylbenzene	11.94	105	18008	1.852	ug/l	100
86) p-Isopropyltoluene	12.06	119	15190	1.741	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	8023	1.839	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	8143m	1.844	ug/l	
89) n-Butylbenzene	12.38	91	13415	1.639	ug/l	100
90) Hexachloroethane	12.59	117	2386	1.649	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	8052	1.859	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	1471	1.735	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	4939	1.640	ug/l	97
94) Hexachlorobutadiene	13.78	225	2658	1.841	ug/l	99
95) Naphthalene	13.83	128	17073	1.696	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	5081	1.689	ug/l	100

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

