

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071619\
 Data File : VX010910.D
 Acq On : 16 Jul 2019 16:42
 Operator : JC/SP
 Sample : K3591-08 1PPB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 10:45:43 AM

Quant Time: Jul 17 06:41:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 05:51:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	214706	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	324898	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	288122	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	136999	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	110822	48.52	ug/l	0.00
Spiked Amount			Recovery	=	97.04%	
35) Dibromofluoromethane	5.50	113	96935	47.01	ug/l	0.00
Spiked Amount			Recovery	=	94.02%	
50) Toluene-d8	8.71	98	372646	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	
62) 4-Bromofluorobenzene	11.13	95	127733	44.93	ug/l	0.00
Spiked Amount			Recovery	=	89.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	1302	0.650	ug/l	85
3) Chloromethane	1.32	50	1960	0.993	ug/l #	82
4) Vinyl Chloride	1.41	62	1802	0.895	ug/l	90
5) Bromomethane	1.64	94	2095	1.846	ug/l	100
6) Chloroethane	1.73	64	1877	1.467	ug/l #	78
7) Trichlorofluoromethane	1.93	101	2987	0.876	ug/l	86
8) Diethyl Ether	2.19	74	1038m	0.884	ug/l	
9) 1,1,2-Trichlorotrifluoroet	2.39	101	1897	0.975	ug/l	96
10) Methyl Iodide	2.51	142	1764	0.691	ug/l	97
11) Tert butyl alcohol	3.03	59	6238	11.727	ug/l #	73
12) 1,1-Dichloroethene	2.37	96	1800	0.941	ug/l	94
13) Acrolein	2.29	56	1733	5.639	ug/l	88
14) Allyl chloride	2.73	41	2787	1.003	ug/l #	86
15) Acrylonitrile	3.14	53	5642	5.249	ug/l	100
16) Acetone	2.45	43	5163	5.005	ug/l	92
17) Carbon Disulfide	2.57	76	4818	0.982	ug/l	99
18) Methyl Acetate	2.78	43	3141	1.337	ug/l #	87
19) Methyl tert-butyl Ether	3.19	73	5687	0.924	ug/l	91
20) Methylene Chloride	2.87	84	2682	1.227	ug/l #	80
21) trans-1,2-Dichloroethene	3.17	96	1927	0.950	ug/l #	89
22) Diisopropyl ether	3.85	45	6088	1.039	ug/l	95
23) Vinyl Acetate	3.82	43	20162	4.062	ug/l	98
24) 1,1-Dichloroethane	3.70	63	3489	1.025	ug/l #	84
25) 2-Butanone	4.68	43	6955	4.696	ug/l	95
26) 2,2-Dichloropropane	4.59	77	2666	0.954	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	2425	1.033	ug/l	86
28) Bromochloromethane	5.03	49	2191	1.366	ug/l #	84
29) Tetrahydrofuran	5.15	42	4968	5.296	ug/l	97
30) Chloroform	5.21	83	4110	1.118	ug/l	94
31) Cyclohexane	5.58	56	3021	0.974	ug/l	87
32) 1,1,1-Trichloroethane	5.50	97	3015	0.948	ug/l #	45
36) 1,1-Dichloropropene	5.81	75	2721	1.020	ug/l	99
37) Ethyl Acetate	4.84	43	2437	0.892	ug/l #	93
38) Carbon Tetrachloride	5.79	117	2703	0.972	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	3208	0.927	ug/l	89
40) Benzene	6.14	78	7656	0.937	ug/l	99
41) Methacrylonitrile	5.05	41	1595m	1.028	ug/l	
42) 1,2-Dichloroethane	6.20	62	3003	1.057	ug/l	99
43) Isopropyl Acetate	6.44	43	4442	0.989	ug/l #	67
44) Trichloroethene	7.22	130	2447	1.011	ug/l	89
45) 1,2-Dichloropropane	7.51	63	2088	1.004	ug/l	95
46) Dibromomethane	7.66	93	1690	1.137	ug/l	87
47) Bromodichloromethane	7.90	83	2219	0.838	ug/l #	98
48) Methyl methacrylate	7.77	41	1794	0.820	ug/l	88
49) 1,4-Dioxane	7.75	88	1296	21.166	ug/l #	86
51) 4-Methyl-2-Pentanone	8.64	43	12886	4.424	ug/l	99
52) Toluene	8.79	92	5205	0.969	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	2097	0.737	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	2752	0.869	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	2010	0.909	ug/l	89
56) Ethyl methacrylate	9.18	69	2789	0.862	ug/l #	82
57) 1,3-Dichloropropane	9.37	76	3236	0.923	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.31	63	6866	4.447	ug/l	96
59) 2-Hexanone	9.49	43	9934	4.397	ug/l	96
60) Dibromochloromethane	9.58	129	1681	0.751	ug/l	92
61) 1,2-Dibromoethane	9.67	107	2116	0.902	ug/l	97
64) Tetrachloroethene	9.34	164	2385	1.052	ug/l	94
65) Chlorobenzene	10.13	112	5517	0.932	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	1813	0.872	ug/l #	62
67) Ethyl Benzene	10.25	91	9193	0.913	ug/l	97
68) m/p-Xylenes	10.36	106	7454	1.929	ug/l	87
69) o-Xylene	10.69	106	3517	0.933	ug/l	94
70) Styrene	10.71	104	5240	0.834	ug/l	98
71) Bromoform	10.85	173	1153	0.695	ug/l #	88
73) Isopropylbenzene	11.02	105	8583	0.927	ug/l	94
74) N-amyl acetate	10.90	43	2899	0.820	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.27	83	2929	0.967	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	2792m	1.129	ug/l	
77) Bromobenzene	11.26	156	2690	1.053	ug/l	98
78) n-propylbenzene	11.36	91	9517	0.930	ug/l	99
79) 2-Chlorotoluene	11.42	91	6333	1.031	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	7243	0.936	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	556m	0.619	ug/l	
82) 4-Chlorotoluene	11.51	91	7070	0.989	ug/l	100
83) tert-Butylbenzene	11.77	119	6950	0.915	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	6641	0.852	ug/l	94
85) sec-Butylbenzene	11.94	105	8104	0.910	ug/l	99
86) p-Isopropyltoluene	12.06	119	6990	0.849	ug/l	89
87) 1,3-Dichlorobenzene	12.02	146	4302	0.971	ug/l	96
88) 1,4-Dichlorobenzene	12.10	146	5029m	1.107	ug/l	
89) n-Butylbenzene	12.38	91	5615	0.797	ug/l	95
90) Hexachloroethane	12.60	117	975	0.751	ug/l	92
91) 1,2-Dichlorobenzene	12.39	146	4419	1.006	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.00	75	607	0.959	ug/l	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	2776	0.933	ug/l	95
94) Hexachlorobutadiene	13.78	225	1349	0.915	ug/l	97
95) Naphthalene	13.83	128	7198	0.819	ug/l	98
96) 1,2,3-Trichlorobenzene	14.02	180	2852	0.963	ug/l	92

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

