

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032819\
 Data File : VX008518.D
 Acq On : 28 Mar 2019 14:40
 Operator : JC/SP
 Sample : K1560-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

Manual Integrations
 APPROVED

MMDadoda
 3/29/2019 10:51:51 AM

Quant Time: Mar 29 02:20:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	439629	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	741964	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	647454	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	283317	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	328535	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
35) Dibromofluoromethane	5.50	113	239741	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
50) Toluene-d8	8.71	98	970166	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
62) 4-Bromofluorobenzene	11.13	95	340026	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	1999	0.386	ug/l	98
3) Chloromethane	1.32	50	3033	Below Cal		97
4) Vinyl Chloride	1.40	62	2905	0.401	ug/l	98
5) Bromomethane	1.64	94	2049	2.328	ug/l	94
6) Chloroethane	1.72	64	2330	0.544	ug/l	95
7) Trichlorofluoromethane	1.93	101	3183	0.388	ug/l	89
8) Diethyl Ether	2.19	74	1696	0.437	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	2.38	101	2051	0.414	ug/l	98
10) Methyl Iodide	2.51	142	1463	4.408	ug/l #	90
11) Tert butyl alcohol	3.05	59	3018	2.044	ug/l #	93
12) 1,1-Dichloroethene	2.37	96	2123	0.415	ug/l	96
13) Acrolein	2.29	56	2064	1.925	ug/l	96
14) Allyl chloride	2.73	41	4587	0.407	ug/l	95
15) Acrylonitrile	3.14	53	7690	1.986	ug/l	98
16) Acetone	2.45	43	7933	2.277	ug/l	97
18) Methyl Acetate	2.78	43	4043	0.483	ug/l	96
19) Methyl tert-butyl Ether	3.19	73	7486	0.406	ug/l	99
20) Methylene Chloride	2.86	84	3218	Below Cal		93
22) Diisopropyl ether	3.85	45	8442	0.380	ug/l	89
23) Vinyl Acetate	3.81	43	34172	1.765	ug/l	96
24) 1,1-Dichloroethane	3.70	63	4409	0.394	ug/l #	96
25) 2-Butanone	4.68	43	11342	2.031	ug/l	99
26) 2,2-Dichloropropane	4.58	77	2881	0.387	ug/l	91
27) cis-1,2-Dichloroethene	4.60	96	2449	0.392	ug/l	98
29) Tetrahydrofuran	5.14	42	6802	1.848	ug/l	95
30) Chloroform	5.21	83	3986	0.394	ug/l	98
31) Cyclohexane	5.59	56	4251	0.398	ug/l	90
32) 1,1,1-Trichloroethane	5.49	97	3222	0.399	ug/l #	48
36) 1,1-Dichloropropene	5.80	75	3553	0.449	ug/l #	86
37) Ethyl Acetate	4.84	43	3686	0.360	ug/l #	89
38) Carbon Tetrachloride	5.78	117	2848	0.431	ug/l	87
39) Methylcyclohexane	7.46	83	3707	0.392	ug/l	98
40) Benzene	6.15	78	9667	0.408	ug/l	96
41) Methacrylonitrile	5.04	41	2380	0.413	ug/l #	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) 1,2-Dichloroethane	6.20	62	3862	0.445	ug/l	100
43) Isopropyl Acetate	6.45	43	5774	0.352	ug/l #	92
44) Trichloroethene	7.21	130	2155	0.388	ug/l	90
45) 1,2-Dichloropropane	7.51	63	3026	0.450	ug/l	89
46) Dibromomethane	7.67	93	1597	0.406	ug/l	96
47) Bromodichloromethane	7.90	83	2816	0.374	ug/l #	92
48) Methyl methacrylate	7.77	41	3320	0.405	ug/l	93
49) 1,4-Dioxane	7.75	88	1407	8.627	ug/l	87
51) 4-Methyl-2-Pentanone	8.64	43	19010	1.785	ug/l	96
52) Toluene	8.79	92	5893	0.416	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	2642	0.321	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	3424	0.365	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	2217	0.385	ug/l	98
56) Ethyl methacrylate	9.18	69	3686	0.354	ug/l	91
57) 1,3-Dichloropropane	9.37	76	3915	0.379	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.31	63	8373	1.557	ug/l	99
59) 2-Hexanone	9.49	43	14817	1.796	ug/l	98
60) Dibromochloromethane	9.58	129	1770	0.323	ug/l	97
61) 1,2-Dibromoethane	9.67	107	2203	0.374	ug/l	96
64) Tetrachloroethene	9.34	164	1940	0.443	ug/l	96
65) Chlorobenzene	10.14	112	5735	0.407	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	1772	0.365	ug/l #	61
67) Ethyl Benzene	10.25	91	10496	0.395	ug/l	97
68) m/p-Xylenes	10.36	106	7442	0.770	ug/l	99
69) o-Xylene	10.70	106	3589	0.383	ug/l	100
70) Styrene	10.71	104	5896	0.364	ug/l	99
71) Bromoform	10.86	173	1213	0.316	ug/l #	97
73) Isopropylbenzene	11.02	105	9257	0.402	ug/l	99
74) N-amyl acetate	10.90	43	4955	0.371	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	3789	0.424	ug/l	97
76) 1,2,3-Trichloropropane	11.30	75	4017m	0.477	ug/l	
77) Bromobenzene	11.26	156	2434	0.435	ug/l	98
78) n-propylbenzene	11.36	91	10872	0.403	ug/l	99
79) 2-Chlorotoluene	11.42	91	6837	0.416	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	7809	0.401	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	796m	0.303	ug/l	
82) 4-Chlorotoluene	11.51	91	7759	0.410	ug/l	95
83) tert-Butylbenzene	11.77	119	7268	0.387	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	7541	0.383	ug/l	98
85) sec-Butylbenzene	11.94	105	8766	0.392	ug/l	99
86) p-Isopropyltoluene	12.06	119	7684	0.389	ug/l	85
87) 1,3-Dichlorobenzene	12.02	146	4166	0.417	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	4407m	0.437	ug/l	
89) n-Butylbenzene	12.38	91	6656	0.356	ug/l	98
90) Hexachloroethane	12.60	117	1174	0.357	ug/l	92
91) 1,2-Dichlorobenzene	12.39	146	3960	0.396	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.00	75	706	0.362	ug/l	95
93) 1,2,4-Trichlorobenzene	13.65	180	2505	0.372	ug/l	97
94) Hexachlorobutadiene	13.78	225	1350	0.422	ug/l	97
95) Naphthalene	13.83	128	8605	0.372	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.02	180	2824	0.417	ug/l	96

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

