

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041519\
 Data File : VX008964.D
 Acq On : 15 Apr 2019 16:46
 Operator : JC/SP
 Sample : K2241-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Manual Integrations
 APPROVED

MMDadoda
 4/16/2019 10:53:28 AM

Quant Time: Apr 16 09:36:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 02:27:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	221370	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	364814	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	316961	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	139233	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	154512	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	
35) Dibromofluoromethane	5.49	113	110947	47.39	ug/l	0.00
Spiked Amount			Recovery	=	94.78%	
50) Toluene-d8	8.71	98	452573	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	
62) 4-Bromofluorobenzene	11.13	95	156365	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	1271	0.498	ug/l	91
3) Chloromethane	1.32	50	2027	0.648	ug/l	95
4) Vinyl Chloride	1.41	62	1652	0.542	ug/l	100
5) Bromomethane	1.64	94	2335	1.180	ug/l	99
6) Chloroethane	1.71	64	1219	0.680	ug/l	91
7) Trichlorofluoromethane	1.93	101	1812	0.509	ug/l	94
8) Diethyl Ether	2.19	74	1095	0.673	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	1246	0.548	ug/l	95
10) Methyl Iodide	2.51	142	3583	1.584	ug/l	98
11) Tert butyl alcohol	3.04	59	8779	12.677	ug/l #	91
12) 1,1-Dichloroethene	2.37	96	1298	0.547	ug/l	87
13) Acrolein	2.29	56	5974	9.984	ug/l	97
14) Allyl chloride	2.73	41	2904	0.561	ug/l #	84
15) Acrylonitrile	3.14	53	4716	2.683	ug/l	93
16) Acetone	2.45	43	5027	3.107	ug/l	94
17) Carbon Disulfide	2.57	76	4092	0.555	ug/l	99
18) Methyl Acetate	2.78	43	2718	0.673	ug/l	95
19) Methyl tert-butyl Ether	3.19	73	4401	0.520	ug/l #	85
20) Methylene Chloride	2.85	84	2272	0.821	ug/l #	89
21) trans-1,2-Dichloroethene	3.16	96	1388	0.548	ug/l	90
22) Diisopropyl ether	3.85	45	5539	0.550	ug/l #	83
23) Vinyl Acetate	3.82	43	21044	2.379	ug/l	97
24) 1,1-Dichloroethane	3.70	63	2882	0.570	ug/l #	92
25) 2-Butanone	4.68	43	6319	2.444	ug/l	98
26) 2,2-Dichloropropane	4.59	77	1995	0.527	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	1649	0.574	ug/l	81
28) Bromochloromethane	5.01	49	1548	0.661	ug/l #	87
29) Tetrahydrofuran	5.15	42	5065	2.926	ug/l #	88
30) Chloroform	5.22	83	2587	0.572	ug/l	100
31) Cyclohexane	5.58	56	2685	0.540	ug/l	94
32) 1,1,1-Trichloroethane	5.51	97	2091	0.558	ug/l #	23
36) 1,1-Dichloropropene	5.81	75	2161	0.573	ug/l #	94
37) Ethyl Acetate	4.85	43	2517	0.518	ug/l #	94
38) Carbon Tetrachloride	5.77	117	1764	0.551	ug/l #	73

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

39) Methylcyclohexane	7.46	83	2370	0.516	ug/l #	86
40) Benzene	6.15	78	5984	0.538	ug/l #	88
41) Methacrylonitrile	5.06	41	1741	0.625	ug/l #	74
42) 1,2-Dichloroethane	6.20	62	2591	0.657	ug/l	85
43) Isopropyl Acetate	6.45	43	4206	0.538	ug/l	99
44) Trichloroethene	7.21	130	1408	0.516	ug/l	88
45) 1,2-Dichloropropane	7.52	63	1760	0.570	ug/l	92
46) Dibromomethane	7.66	93	927	0.516	ug/l	97
47) Bromodichloromethane	7.90	83	1884	0.535	ug/l	89
48) Methyl methacrylate	7.77	41	2348	0.607	ug/l #	84
49) 1,4-Dioxane	7.75	88	807	11.153	ug/l #	73
51) 4-Methyl-2-Pentanone	8.64	43	12225	2.453	ug/l	99
52) Toluene	8.79	92	3381	0.507	ug/l	90
53) t-1,3-Dichloropropene	9.04	75	1720	0.424	ug/l	94
54) cis-1,3-Dichloropropene	8.44	75	1923	0.423	ug/l	92
55) 1,1,2-Trichloroethane	9.22	97	1315	0.497	ug/l	97
56) Ethyl methacrylate	9.18	69	2235	0.471	ug/l	95
57) 1,3-Dichloropropane	9.37	76	2514	0.534	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.31	63	5799	2.272	ug/l	99
59) 2-Hexanone	9.49	43	8588	2.235	ug/l	97
60) Dibromochloromethane	9.59	129	1109	0.438	ug/l	99
61) 1,2-Dibromoethane	9.67	107	1394	0.511	ug/l	93
64) Tetrachloroethene	9.34	164	1436	0.596	ug/l	93
65) Chlorobenzene	10.13	112	3459	0.517	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	1191	0.505	ug/l #	63
67) Ethyl Benzene	10.25	91	6167	0.504	ug/l	97
68) m/p-Xylenes	10.36	106	4496	1.012	ug/l	97
69) o-Xylene	10.70	106	2194	0.507	ug/l	98
70) Styrene	10.71	104	3452	0.461	ug/l	95
71) Bromoform	10.86	173	830	0.442	ug/l #	97
73) Isopropylbenzene	11.02	105	5516	0.523	ug/l	95
74) N-amyl acetate	10.90	43	3096	0.511	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	2169	0.562	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	2132m	0.627	ug/l	
77) Bromobenzene	11.26	156	1516	0.569	ug/l	96
78) n-propylbenzene	11.36	91	6243	0.515	ug/l	99
79) 2-Chlorotoluene	11.42	91	4310	0.590	ug/l	95
80) 1,3,5-Trimethylbenzene	11.51	105	4457	0.503	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.07	75	630m	0.476	ug/l	
82) 4-Chlorotoluene	11.51	91	4399	0.519	ug/l	99
83) tert-Butylbenzene	11.77	119	4449	0.523	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	4639	0.515	ug/l	99
85) sec-Butylbenzene	11.94	105	5079	0.501	ug/l	97
86) p-Isopropyltoluene	12.07	119	4660	0.500	ug/l	86
87) 1,3-Dichlorobenzene	12.02	146	2350	0.504	ug/l	94
88) 1,4-Dichlorobenzene	12.10	146	2623m	0.555	ug/l	
89) n-Butylbenzene	12.39	91	4047	0.466	ug/l	97
90) Hexachloroethane	12.60	117	740	0.481	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	2469	0.536	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.01	75	487	0.555	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	1618	0.487	ug/l	94
94) Hexachlorobutadiene	13.78	225	860	0.519	ug/l	97
95) Naphthalene	13.83	128	4802	0.451	ug/l	95
96) 1,2,3-Trichlorobenzene	14.02	180	1540	0.470	ug/l	97

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

