

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040319\
 Data File : VX008616.D
 Acq On : 03 Apr 2019 16:34
 Operator : JC/SP
 Sample : K2241-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 4/4/2019 4:04:32 PM

Quant Time: Apr 04 15:45:56 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	197944	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	331277	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	298057	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	135182	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	154404	53.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.96%	
35) Dibromofluoromethane	5.49	113	110408	52.13	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	104.26%	
50) Toluene-d8	8.71	98	458170	54.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.66%	
62) 4-Bromofluorobenzene	11.13	95	166646	55.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.44%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.20	85	1277	0.560	ug/l	94
3) Chloromethane	1.32	50	2476	0.787	ug/l	94
4) Vinyl Chloride	1.40	62	1998	0.649	ug/l	93
5) Bromomethane	1.64	94	2492	1.517	ug/l	98
6) Chloroethane	1.71	64	1432	0.701	ug/l	99
7) Trichlorofluoromethane	1.92	101	2086	0.613	ug/l	98
8) Diethyl Ether	2.18	74	980	0.607	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	1274	0.581	ug/l	95
10) Methyl Iodide	2.50	142	2638	1.460	ug/l	95
11) Tert butyl alcohol	3.05	59	8633	12.772	ug/l	97
12) 1,1-Dichloroethene	2.37	96	1363	0.596	ug/l	98
13) Acrolein	2.29	56	3201	9.551	ug/l	96
14) Allyl chloride	2.73	41	3270	0.624	ug/l	92
15) Acrylonitrile	3.15	53	5679	3.172	ug/l	98
16) Acetone	2.44	43	5488	3.300	ug/l	100
17) Carbon Disulfide	2.56	76	4944	0.673	ug/l #	94
18) Methyl Acetate	2.78	43	3155	0.782	ug/l	95
19) Methyl tert-butyl Ether	3.19	73	4905	0.600	ug/l	98
20) Methylene Chloride	2.85	84	2315	0.832	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	1506	0.608	ug/l	95
22) Diisopropyl ether	3.85	45	6423	0.636	ug/l #	85
23) Vinyl Acetate	3.81	43	22200	2.527	ug/l	99
24) 1,1-Dichloroethane	3.70	63	3101	0.620	ug/l #	88
25) 2-Butanone	4.68	43	7680	2.922	ug/l	97
26) 2,2-Dichloropropane	4.57	77	2071	0.588	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	1676	0.589	ug/l	92
28) Bromochloromethane	5.02	49	1473	0.621	ug/l #	88
29) Tetrahydrofuran	5.13	42	5557	3.186	ug/l	97
30) Chloroform	5.20	83	2741	0.614	ug/l	97
31) Cyclohexane	5.57	56	3069	0.615	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	2077	0.576	ug/l #	44
36) 1,1-Dichloropropene	5.80	75	2370	0.654	ug/l	94
37) Ethyl Acetate	4.84	43	2280	0.472	ug/l #	88
38) Carbon Tetrachloride	5.79	117	1907	0.636	ug/l #	80

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

39) Methylcyclohexane	7.46	83	2617	0.585	ug/l #	85
40) Benzene	6.13	78	6213	0.576	ug/l	96
41) Methacrylonitrile	5.05	41	1801	0.648	ug/l #	86
42) 1,2-Dichloroethane	6.20	62	2754	0.712	ug/l	99
43) Isopropyl Acetate	6.45	43	4744	0.627	ug/l	98
44) Trichloroethene	7.21	130	1573	0.626	ug/l	98
45) 1,2-Dichloropropane	7.51	63	1873	0.608	ug/l	99
46) Dibromomethane	7.66	93	1053	0.590	ug/l	88
47) Bromodichloromethane	7.90	83	1918	0.570	ug/l	89
48) Methyl methacrylate	7.77	41	2365	0.617	ug/l	92
49) 1,4-Dioxane	7.75	88	903	12.585	ug/l #	79
51) 4-Methyl-2-Pentanone	8.64	43	13102	2.688	ug/l	97
52) Toluene	8.78	92	3975	0.625	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	1897	0.503	ug/l #	87
54) cis-1,3-Dichloropropene	8.43	75	2180	0.506	ug/l #	92
55) 1,1,2-Trichloroethane	9.21	97	1492	0.584	ug/l	93
56) Ethyl methacrylate	9.18	69	2524	0.546	ug/l #	78
57) 1,3-Dichloropropane	9.37	76	2901	0.633	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.31	63	5542	2.350	ug/l	96
59) 2-Hexanone	9.49	43	10395	2.744	ug/l	94
60) Dibromochloromethane	9.58	129	1233	0.513	ug/l	92
61) 1,2-Dibromoethane	9.67	107	1496	0.563	ug/l	96
64) Tetrachloroethene	9.34	164	1336	0.605	ug/l	90
65) Chlorobenzene	10.13	112	4047	0.613	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	1182	0.510	ug/l #	64
67) Ethyl Benzene	10.25	91	7350	0.597	ug/l	100
68) m/p-Xylenes	10.36	106	5099	1.151	ug/l	98
69) o-Xylene	10.69	106	2499	0.582	ug/l	98
70) Styrene	10.71	104	4122	0.557	ug/l	98
71) Bromoform	10.86	173	867	0.490	ug/l #	99
73) Isopropylbenzene	11.02	105	6409	0.572	ug/l	96
74) N-amyl acetate	10.90	43	3561	0.540	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	2541	0.596	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	2551m	0.687	ug/l	
77) Bromobenzene	11.26	156	1580	0.587	ug/l	92
78) n-propylbenzene	11.36	91	7611	0.583	ug/l	100
79) 2-Chlorotoluene	11.42	91	4928	0.624	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	5322	0.566	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	707m	0.525	ug/l	
82) 4-Chlorotoluene	11.51	91	5537	0.606	ug/l	98
83) tert-Butylbenzene	11.77	119	5064	0.560	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	5220	0.548	ug/l	98
85) sec-Butylbenzene	11.94	105	6004	0.559	ug/l	97
86) p-Isopropyltoluene	12.06	119	5265	0.546	ug/l	89
87) 1,3-Dichlorobenzene	12.02	146	2977	0.617	ug/l	96
88) 1,4-Dichlorobenzene	12.10	146	2948m	0.604	ug/l	
89) n-Butylbenzene	12.38	91	4821	0.533	ug/l	100
90) Hexachloroethane	12.60	117	825	0.516	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	2783	0.581	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.00	75	488	0.521	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	1903	0.572	ug/l	98
94) Hexachlorobutadiene	13.78	225	1095	0.686	ug/l	92
95) Naphthalene	13.83	128	5420	0.487	ug/l	98
96) 1,2,3-Trichlorobenzene	14.02	180	1899	0.571	ug/l	95

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

