

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071619\
 Data File : VX010908.D
 Acq On : 16 Jul 2019 15:55
 Operator : JC/SP
 Sample : K3591-07 0.5PPB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 10:45:33 AM

Quant Time: Jul 17 06:36:12 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	220791	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	336123	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	299440	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	143239	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	114685	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	
35) Dibromofluoromethane	5.50	113	99497	46.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.28%	
50) Toluene-d8	8.71	98	383092	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	
62) 4-Bromofluorobenzene	11.13	95	130181	44.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.52%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.20	85	791	0.384	ug/l	92
3) Chloromethane	1.33	50	1092	0.538	ug/l #	79
4) Vinyl Chloride	1.41	62	1143	0.552	ug/l	96
5) Bromomethane	1.65	94	1430	1.225	ug/l	82
6) Chloroethane	1.73	64	777	0.590	ug/l #	77
7) Trichlorofluoromethane	1.93	101	1646	0.470	ug/l	90
8) Diethyl Ether	2.20	74	685	0.567	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	1178	0.589	ug/l #	93
10) Methyl Iodide	2.51	142	1052	0.400	ug/l #	84
11) Tert butyl alcohol	3.02	59	3868	7.071	ug/l #	86
12) 1,1-Dichloroethene	2.37	96	1074	0.546	ug/l	94
13) Acrolein	2.30	56	1124	3.556	ug/l #	68
14) Allyl chloride	2.72	41	1681	0.588	ug/l #	85
15) Acrylonitrile	3.15	53	3009	2.722	ug/l	97
16) Acetone	2.44	43	2569	2.422	ug/l	93
17) Carbon Disulfide	2.57	76	3365	0.667	ug/l #	81
18) Methyl Acetate	2.78	43	1699	0.703	ug/l	94
19) Methyl tert-butyl Ether	3.20	73	2899	0.458	ug/l	97
20) Methylene Chloride	2.86	84	1483	0.660	ug/l #	83
21) trans-1,2-Dichloroethene	3.16	96	1221	0.585	ug/l	92
22) Diisopropyl ether	3.85	45	3006	0.499	ug/l #	59
23) Vinyl Acetate	3.82	43	10616	2.080	ug/l	96
24) 1,1-Dichloroethane	3.70	63	1929	0.551	ug/l #	73
25) 2-Butanone	4.68	43	3895	2.558	ug/l	93
26) 2,2-Dichloropropane	4.57	77	1384	0.482	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	1398	0.579	ug/l	90
28) Bromochloromethane	5.02	49	908m	0.551	ug/l	
29) Tetrahydrofuran	5.13	42	1374	1.424	ug/l #	58
30) Chloroform	5.21	83	2430	0.643	ug/l #	79
31) Cyclohexane	5.58	56	1784m	0.559	ug/l	
32) 1,1,1-Trichloroethane	5.49	97	1447	0.442	ug/l #	38
36) 1,1-Dichloropropene	5.81	75	1639	0.594	ug/l #	92
37) Ethyl Acetate	4.84	43	568	0.201	ug/l #	45
38) Carbon Tetrachloride	5.79	117	1402	0.487	ug/l #	79

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

39) Methylcyclohexane	7.47	83	1908	0.533	ug/l #	90
40) Benzene	6.14	78	4145	0.490	ug/l	98
41) Methacrylonitrile	5.06	41	856	0.533	ug/l #	85
42) 1,2-Dichloroethane	6.20	62	1801	0.612	ug/l	94
43) Isopropyl Acetate	6.45	43	2140	0.460	ug/l #	83
44) Trichloroethene	7.21	130	1276	0.510	ug/l	81
45) 1,2-Dichloropropane	7.52	63	1087	0.505	ug/l #	52
46) Dibromomethane	7.66	93	810	0.527	ug/l	90
47) Bromodichloromethane	7.90	83	1376	0.503	ug/l #	72
48) Methyl methacrylate	7.77	41	930	0.411	ug/l #	85
49) 1,4-Dioxane	7.75	88	734	11.587	ug/l #	86
51) 4-Methyl-2-Pentanone	8.64	43	6466	2.146	ug/l	98
52) Toluene	8.78	92	2571	0.463	ug/l	89
53) t-1,3-Dichloropropene	9.05	75	1268	0.431	ug/l #	82
54) cis-1,3-Dichloropropene	8.44	75	1385	0.423	ug/l #	81
55) 1,1,2-Trichloroethane	9.21	97	1048	0.458	ug/l #	82
56) Ethyl methacrylate	9.18	69	1291	0.386	ug/l #	82
57) 1,3-Dichloropropane	9.37	76	1582	0.436	ug/l #	86
58) 2-Chloroethyl Vinyl ether	8.32	63	3202	2.005	ug/l	96
59) 2-Hexanone	9.49	43	5134	2.197	ug/l	97
60) Dibromochloromethane	9.59	129	985	0.425	ug/l	96
61) 1,2-Dibromoethane	9.66	107	1148	0.473	ug/l	99
64) Tetrachloroethene	9.34	164	1462	0.621	ug/l	95
65) Chlorobenzene	10.13	112	2930	0.476	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	835	0.386	ug/l #	64
67) Ethyl Benzene	10.25	91	5143	0.491	ug/l	97
68) m/p-Xylenes	10.35	106	3566	0.888	ug/l	97
69) o-Xylene	10.69	106	1868	0.477	ug/l	89
70) Styrene	10.71	104	2820	0.432	ug/l	92
71) Bromoform	10.85	173	699	0.405	ug/l #	83
73) Isopropylbenzene	11.02	105	4489	0.464	ug/l	100
74) N-amyl acetate	10.90	43	1736	0.469	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	11.27	83	1399m	0.442	ug/l	
76) 1,2,3-Trichloropropane	11.29	75	1384m	0.535	ug/l	
77) Bromobenzene	11.26	156	1447	0.542	ug/l	99
78) n-propylbenzene	11.36	91	5279	0.494	ug/l	100
79) 2-Chlorotoluene	11.42	91	3480	0.542	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	3822	0.473	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	310m	0.330	ug/l	
82) 4-Chlorotoluene	11.51	91	3595	0.481	ug/l	94
83) tert-Butylbenzene	11.77	119	3475	0.437	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	3570	0.438	ug/l	94
85) sec-Butylbenzene	11.94	105	4175	0.449	ug/l	95
86) p-Isopropyltoluene	12.06	119	3948	0.459	ug/l #	85
87) 1,3-Dichlorobenzene	12.02	146	2418	0.522	ug/l	92
88) 1,4-Dichlorobenzene	12.10	146	2771m	0.583	ug/l	
89) n-Butylbenzene	12.38	91	3317	0.451	ug/l	96
90) Hexachloroethane	12.59	117	467	0.344	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	2094	0.456	ug/l	87
92) 1,2-Dibromo-3-Chloropropan	13.00	75	430	0.649	ug/l	56

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	1617	0.520	ug/l	97
94) Hexachlorobutadiene	13.79	225	804	0.521	ug/l	97
95) Naphthalene	13.83	128	3739	0.407	ug/l	98
96) 1,2,3-Trichlorobenzene	14.02	180	1488	0.481	ug/l	97

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

