

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050620\
 Data File : VX016079.D
 Acq On : 06 May 2020 13:27
 Operator : JC/SP
 Sample : L2182-09 .75PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

Manual Integrations
 APPROVED

MMDadoda
 5/8/2020 11:54:57 AM

Quant Time: May 07 07:56:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 07 07:43:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	298559	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	476652	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	430513	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	206981	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	183410	46.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.36%	
35) Dibromofluoromethane	5.47	113	137963	45.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.38%	
50) Toluene-d8	8.70	98	545736	46.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.80%	
62) 4-Bromofluorobenzene	11.12	95	196252	44.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.68%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.18	85	2065	0.653	ug/l	89
3) Chloromethane	1.32	50	2826	0.770	ug/l	99
4) Vinyl Chloride	1.39	62	2770	0.707	ug/l	95
5) Bromomethane	1.64	94	2041	1.034	ug/l	94
6) Chloroethane	1.71	64	1727	0.725	ug/l	99
7) Trichlorofluoromethane	1.92	101	3713	0.722	ug/l	100
8) Diethyl Ether	2.17	74	1929	0.891	ug/l	72
9) 1,1,2-Trichlorotrifluoroet	2.37	101	2321	0.783	ug/l	99
10) Methyl Iodide	2.50	142	2260	0.567	ug/l	93
11) Tert butyl alcohol	3.01	59	3550	3.573	ug/l #	87
12) 1,1-Dichloroethene	2.35	96	2385	0.768	ug/l	98
13) Acrolein	2.28	56	1923	3.093	ug/l	98
14) Allyl chloride	2.71	41	3889	0.683	ug/l	98
15) Acrylonitrile	3.12	53	7271	3.528	ug/l	99
16) Acetone	2.42	43	6928	3.952	ug/l	94
17) Carbon Disulfide	2.55	76	8342	0.790	ug/l	96
18) Methyl Acetate	2.75	43	3334	0.774	ug/l	97
19) Methyl tert-butyl Ether	3.17	73	7616	0.712	ug/l	98
20) Methylene Chloride	2.84	84	2766	0.765	ug/l #	96
21) trans-1,2-Dichloroethene	3.15	96	2880	0.833	ug/l	95
22) Diisopropyl ether	3.83	45	7943	0.740	ug/l	95
23) Vinyl Acetate	3.79	43	28744	3.043	ug/l	100
24) 1,1-Dichloroethane	3.68	63	4307	0.717	ug/l #	94
25) 2-Butanone	4.64	43	10098	3.575	ug/l	100
26) 2,2-Dichloropropane	4.55	77	4000	0.729	ug/l	95
27) cis-1,2-Dichloroethene	4.57	96	3115	0.824	ug/l	87
28) Bromochloromethane	4.98	49	1913	0.699	ug/l #	94
29) Tetrahydrofuran	5.10	42	7013	3.747	ug/l	95
30) Chloroform	5.18	83	4458	0.746	ug/l #	81
31) Cyclohexane	5.56	56	3989	0.731	ug/l	97
32) 1,1,1-Trichloroethane	5.46	97	3950	0.727	ug/l #	46
36) 1,1-Dichloropropene	5.78	75	3703	0.789	ug/l #	78
37) Ethyl Acetate	4.81	43	3407	0.627	ug/l #	87
38) Carbon Tetrachloride	5.75	117	3359	0.704	ug/l #	88

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

39) Methylcyclohexane	7.45	83	4011	0.710	ug/l #	93
40) Benzene	6.12	78	9986	0.727	ug/l	91
41) Methacrylonitrile	5.01	41	2308	0.786	ug/l	93
42) 1,2-Dichloroethane	6.17	62	4212	0.852	ug/l	90
43) Isopropyl Acetate	6.41	43	6475	0.746	ug/l	99
44) Trichloroethene	7.19	130	3515	0.721	ug/l	92
45) 1,2-Dichloropropane	7.49	63	2518	0.725	ug/l	98
46) Dibromomethane	7.64	93	1722	0.729	ug/l	96
47) Bromodichloromethane	7.88	83	3248	0.676	ug/l #	96
48) Methyl methacrylate	7.74	41	2932	0.713	ug/l	88
49) 1,4-Dioxane	7.73	88	1171	11.876	ug/l #	57
51) 4-Methyl-2-Pentanone	8.62	43	17183	3.236	ug/l	99
52) Toluene	8.77	92	6072	0.710	ug/l	96
53) t-1,3-Dichloropropene	9.02	75	3772	0.658	ug/l #	88
54) cis-1,3-Dichloropropene	8.41	75	4144	0.692	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	2406	0.715	ug/l	92
56) Ethyl methacrylate	9.16	69	3448	0.627	ug/l	96
57) 1,3-Dichloropropane	9.35	76	4116	0.701	ug/l #	86
58) 2-Chloroethyl Vinyl ether	8.29	63	9303	3.180	ug/l	98
59) 2-Hexanone	9.48	43	12026	2.884	ug/l	92
60) Dibromochloromethane	9.57	129	2281	0.615	ug/l	98
61) 1,2-Dibromoethane	9.66	107	2463	0.675	ug/l	99
64) Tetrachloroethene	9.32	164	4104	0.777	ug/l	91
65) Chlorobenzene	10.12	112	6369	0.707	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	2388	0.717	ug/l #	62
67) Ethyl Benzene	10.24	91	11219	0.698	ug/l	95
68) m/p-Xylenes	10.34	106	8255	1.370	ug/l	99
69) o-Xylene	10.68	106	3682	0.636	ug/l	90
70) Styrene	10.69	104	6375	0.649	ug/l	96
71) Bromoform	10.84	173	1632	0.601	ug/l #	93
73) Isopropylbenzene	11.01	105	10202	0.678	ug/l	99
74) N-amyl acetate	10.88	43	4535	0.646	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.26	83	1677	0.632	ug/l	98
76) 1,2,3-Trichloropropane	11.28	75	3473m	0.739	ug/l	
77) Bromobenzene	11.24	156	2948	0.759	ug/l	95
78) n-propylbenzene	11.34	91	12337	0.704	ug/l	97
79) 2-Chlorotoluene	11.41	91	7377	0.714	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	8536	0.672	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.06	75	1380m	0.700	ug/l	
82) 4-Chlorotoluene	11.50	91	8953	0.733	ug/l	97
83) tert-Butylbenzene	11.76	119	7531	0.687	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	8612	0.670	ug/l	100
85) sec-Butylbenzene	11.93	105	9539	0.645	ug/l	96
86) p-Isopropyltoluene	12.05	119	8969	0.653	ug/l	92
87) 1,3-Dichlorobenzene	12.01	146	4811	0.690	ug/l	94
88) 1,4-Dichlorobenzene	12.08	146	5542m	0.783	ug/l	
89) n-Butylbenzene	12.37	91	8392	0.669	ug/l	97
90) Hexachloroethane	12.58	117	1409	0.597	ug/l	95
91) 1,2-Dichlorobenzene	12.38	146	4870	0.725	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	858	0.693	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	3696	0.743	ug/l	97
94) Hexachlorobutadiene	13.77	225	1566	0.681	ug/l	99
95) Naphthalene	13.82	128	10900	0.677	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	3650	0.751	ug/l	93

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

