

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071420\
 Data File : VX017370.D
 Acq On : 14 Jul 2020 11:49
 Operator : JC/SP
 Sample : L3216-09 2.5PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

Manual Integrations
 APPROVED

MMDadoda
 7/15/2020 11:43:14 AM

Quant Time: Jul 15 03:01:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 15 02:05:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	300485	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	467422	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	430677	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	221035	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	177138	46.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.94%	
35) Dibromofluoromethane	5.47	113	144947	46.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.06%	
50) Toluene-d8	8.70	98	505393	44.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.00%	
62) 4-Bromofluorobenzene	11.12	95	184006	40.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.58%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.18	85	5649	2.222 ug/l	96
3) Chloromethane	1.32	50	6261	2.187 ug/l	98
4) Vinyl Chloride	1.39	62	6462	2.282 ug/l	95
5) Bromomethane	1.63	94	5792	3.142 ug/l	83
6) Chloroethane	1.72	64	4684	2.620 ug/l	98
7) Trichlorofluoromethane	1.92	101	11870	2.483 ug/l	91
8) Diethyl Ether	2.17	74	3976	2.353 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	6745	2.477 ug/l	99
10) Methyl Iodide	2.50	142	5785	1.752 ug/l	99
11) Tert butyl alcohol	3.01	59	7698	12.115 ug/l	95
12) 1,1-Dichloroethene	2.36	96	6094	2.229 ug/l	84
13) Acrolein	2.28	56	3613	10.373 ug/l	85
14) Allyl chloride	2.71	41	11736	2.477 ug/l	97
15) Acrylonitrile	3.12	53	18947	12.301 ug/l	97
16) Acetone	2.42	43	16873	12.541 ug/l	97
17) Carbon Disulfide	2.55	76	19852	2.489 ug/l #	95
18) Methyl Acetate	2.75	43	8334	2.508 ug/l	98
19) Methyl tert-butyl Ether	3.17	73	21781	2.346 ug/l	93
20) Methylene Chloride	2.83	84	8028	2.446 ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	7682	2.455 ug/l #	79
22) Diisopropyl ether	3.82	45	22287	2.469 ug/l	98
23) Vinyl Acetate	3.79	43	89064	11.220 ug/l	97
24) 1,1-Dichloroethane	3.67	63	13108	2.471 ug/l	98
25) 2-Butanone	4.64	43	24578	11.501 ug/l	92
26) 2,2-Dichloropropane	4.56	77	12262	2.484 ug/l	91
27) cis-1,2-Dichloroethene	4.56	96	8278	2.413 ug/l	96
28) Bromochloromethane	4.98	49	5997	2.447 ug/l	99
29) Tetrahydrofuran	5.10	42	16834	12.169 ug/l	96
30) Chloroform	5.17	83	13876	2.431 ug/l	96
31) Cyclohexane	5.55	56	10092	2.324 ug/l	92
32) 1,1,1-Trichloroethane	5.46	97	13153	2.493 ug/l	98
36) 1,1-Dichloropropene	5.78	75	10290	2.393 ug/l	97
37) Ethyl Acetate	4.79	43	10310	2.319 ug/l #	79
38) Carbon Tetrachloride	5.76	117	11316	2.248 ug/l	98

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

39) Methylcyclohexane	7.43	83	10524	2.254	ug/l	98
40) Benzene	6.11	78	28565	2.312	ug/l #	90
41) Methacrylonitrile	5.00	41	5675	2.377	ug/l	98
42) 1,2-Dichloroethane	6.17	62	12300	2.562	ug/l	96
43) Isopropyl Acetate	6.42	43	16593	2.335	ug/l	98
44) Trichloroethene	7.19	130	9182	2.433	ug/l	88
45) 1,2-Dichloropropane	7.49	63	7669	2.426	ug/l	90
46) Dibromomethane	7.63	93	5580	2.447	ug/l	94
47) Bromodichloromethane	7.88	83	10747	2.254	ug/l	97
48) Methyl methacrylate	7.75	41	6910	2.027	ug/l	92
49) 1,4-Dioxane	7.72	88	3377	48.401	ug/l #	93
51) 4-Methyl-2-Pentanone	8.62	43	47221	10.900	ug/l	100
52) Toluene	8.76	92	19351	2.440	ug/l	90
53) t-1,3-Dichloropropene	9.02	75	12040	2.344	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	11937	2.179	ug/l	91
55) 1,1,2-Trichloroethane	9.20	97	8110	2.453	ug/l	95
56) Ethyl methacrylate	9.16	69	9458	2.015	ug/l	99
57) 1,3-Dichloropropane	9.35	76	13403	2.437	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.29	63	23371	9.805	ug/l	98
59) 2-Hexanone	9.48	43	33206	10.156	ug/l	96
60) Dibromochloromethane	9.56	129	8738	2.163	ug/l	97
61) 1,2-Dibromoethane	9.65	107	8102	2.253	ug/l	99
64) Tetrachloroethene	9.32	164	9868	2.647	ug/l	95
65) Chlorobenzene	10.12	112	21247	2.428	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.20	131	8201	2.354	ug/l	96
67) Ethyl Benzene	10.23	91	32071	2.201	ug/l	95
68) m/p-Xylenes	10.34	106	24300	4.383	ug/l	94
69) o-Xylene	10.68	106	11281	2.130	ug/l	98
70) Styrene	10.70	104	18471	2.031	ug/l	96
71) Bromoform	10.84	173	6694	2.277	ug/l #	98
73) Isopropylbenzene	11.00	105	29327	2.117	ug/l	100
74) N-amyl acetate	10.88	43	11156	2.012	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.25	83	10790	2.565	ug/l	97
76) 1,2,3-Trichloropropane	11.28	75	10919m	2.673	ug/l	
77) Bromobenzene	11.24	156	9891	2.506	ug/l	96
78) n-propylbenzene	11.34	91	35639	2.290	ug/l	98
79) 2-Chlorotoluene	11.40	91	24091	2.512	ug/l	97
80) 1,3,5-Trimethylbenzene	11.49	105	24977	2.124	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.06	75	3370	2.093	ug/l	92
82) 4-Chlorotoluene	11.49	91	24907	2.192	ug/l	97
83) tert-Butylbenzene	11.76	119	24334	2.140	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	23899	2.011	ug/l	98
85) sec-Butylbenzene	11.93	105	27658	2.078	ug/l	99
86) p-Isopropyltoluene	12.05	119	25552	2.029	ug/l	97
87) 1,3-Dichlorobenzene	12.01	146	16720	2.368	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	17542	2.459	ug/l	87
89) n-Butylbenzene	12.37	91	21385	1.991	ug/l	98
90) Hexachloroethane	12.58	117	5724	2.394	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	16160	2.436	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	12.99	75	2634	2.373	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	9479	2.058	ug/l	99
94) Hexachlorobutadiene	13.76	225	4844	2.579	ug/l	92
95) Naphthalene	13.82	128	25080	1.852	ug/l	98
96) 1,2,3-Trichlorobenzene	14.01	180	9198	2.068	ug/l	95

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

