

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102720\
 Data File : VX019139.D
 Acq On : 27 Oct 2020 16:26
 Operator : JC/MD
 Sample : L4214-09 .5PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Manual Integrations
 APPROVED

MMDadoda
 10/28/2020 12:32:51 PM

Quant Time: Oct 28 03:27:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 28 03:10:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	283368	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	472630	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	423548	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	198552	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	178010	48.71	ug/l	0.00
Spiked Amount			Recovery	=	97.42%	
35) Dibromofluoromethane	5.46	113	140287	47.25	ug/l	0.00
Spiked Amount			Recovery	=	94.50%	
50) Toluene-d8	8.70	98	534639	47.77	ug/l	0.00
Spiked Amount			Recovery	=	95.54%	
62) 4-Bromofluorobenzene	11.12	95	195106	46.04	ug/l	0.00
Spiked Amount			Recovery	=	92.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	1126	0.477	ug/l	90
3) Chloromethane	1.31	50	1511	0.573	ug/l	95
4) Vinyl Chloride	1.39	62	1503	0.491	ug/l	97
5) Bromomethane	1.64	94	1802	0.862	ug/l	93
6) Chloroethane	1.72	64	1040	0.532	ug/l	88
7) Trichlorofluoromethane	1.92	101	2298	0.478	ug/l	89
8) Diethyl Ether	2.17	74	1035	0.561	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	1408	0.528	ug/l	95
10) Methyl Iodide	2.50	142	1172	0.433	ug/l	96
11) Tert butyl alcohol	3.02	59	2297	3.182	ug/l #	92
12) 1,1-Dichloroethene	2.36	96	1408	0.513	ug/l	82
13) Acrolein	2.28	56	1566	4.454	ug/l #	79
14) Allyl chloride	2.70	41	2300	0.553	ug/l	95
15) Acrylonitrile	3.12	53	3622	2.388	ug/l	94
16) Acetone	2.43	43	3292	2.611	ug/l	91
17) Carbon Disulfide	2.55	76	5423	0.650	ug/l #	93
18) Methyl Acetate	2.75	43	1856	0.605	ug/l #	87
19) Methyl tert-butyl Ether	3.17	73	4028	0.423	ug/l	93
20) Methylene Chloride	2.83	84	1895	0.599	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	1646	0.521	ug/l	99
22) Diisopropyl ether	3.82	45	3848	0.464	ug/l #	91
23) Vinyl Acetate	3.79	43	16327	2.208	ug/l	96
24) 1,1-Dichloroethane	3.67	63	2353	0.454	ug/l	94
25) 2-Butanone	4.64	43	5248	2.641	ug/l #	86
26) 2,2-Dichloropropane	4.55	77	2156	0.443	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	1570	0.444	ug/l	91
28) Bromochloromethane	4.98	49	1157	0.492	ug/l #	87
29) Tetrahydrofuran	5.10	42	3239	2.587	ug/l	93
30) Chloroform	5.18	83	2503	0.454	ug/l	99
31) Cyclohexane	5.54	56	2108	0.456	ug/l #	83
32) 1,1,1-Trichloroethane	5.45	97	2138	0.428	ug/l #	48
36) 1,1-Dichloropropene	5.78	75	2256	0.517	ug/l	97
37) Ethyl Acetate	4.80	43	1922	0.474	ug/l #	72
38) Carbon Tetrachloride	5.74	117	2153	0.484	ug/l #	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	2401	0.460	ug/l	96
40) Benzene	6.11	78	5763	0.466	ug/l	95
41) Methacrylonitrile	5.01	41	950	0.435	ug/l #	90
42) 1,2-Dichloroethane	6.17	62	2425	0.532	ug/l	93
43) Isopropyl Acetate	6.42	43	3367	0.496	ug/l	97
44) Trichloroethene	7.19	130	1750	0.494	ug/l	92
45) 1,2-Dichloropropane	7.49	63	1386	0.457	ug/l	96
46) Dibromomethane	7.63	93	1056	0.471	ug/l	90
47) Bromodichloromethane	7.87	83	1856	0.420	ug/l	99
48) Methyl methacrylate	7.74	41	1713	0.525	ug/l #	86
49) 1,4-Dioxane	7.74	88	636	8.757	ug/l #	33
51) 4-Methyl-2-Pentanone	8.62	43	8380	2.149	ug/l	99
52) Toluene	8.76	92	3513	0.441	ug/l	97
53) t-1,3-Dichloropropene	9.02	75	2171	0.430	ug/l	94
54) cis-1,3-Dichloropropene	8.42	75	2088	0.394	ug/l #	86
55) 1,1,2-Trichloroethane	9.20	97	1431	0.454	ug/l #	92
56) Ethyl methacrylate	9.16	69	1848	0.389	ug/l #	81
57) 1,3-Dichloropropane	9.35	76	2391	0.450	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	5008	1.883	ug/l	99
59) 2-Hexanone	9.48	43	6556	2.208	ug/l	93
60) Dibromochloromethane	9.56	129	1293	0.378	ug/l	92
61) 1,2-Dibromoethane	9.65	107	1471	0.437	ug/l	98
64) Tetrachloroethene	9.32	164	1757	0.544	ug/l #	87
65) Chlorobenzene	10.12	112	4235	0.489	ug/l #	83
66) 1,1,1,2-Tetrachloroethane	10.21	131	1196	0.384	ug/l #	63
67) Ethyl Benzene	10.24	91	6733	0.436	ug/l	99
68) m/p-Xylenes	10.34	106	4876	0.842	ug/l	90
69) o-Xylene	10.68	106	2259	0.411	ug/l	98
70) Styrene	10.70	104	3807	0.406	ug/l	92
71) Bromoform	10.84	173	883	0.357	ug/l #	87
73) Isopropylbenzene	11.00	105	6433	0.458	ug/l	97
74) N-amyl acetate	10.88	43	2214	0.431	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.25	83	1849	0.421	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	1964m	0.479	ug/l	
77) Bromobenzene	11.24	156	1815	0.520	ug/l	93
78) n-propylbenzene	11.34	91	7381	0.460	ug/l	96
79) 2-Chlorotoluene	11.40	91	4481	0.474	ug/l	96
80) 1,3,5-Trimethylbenzene	11.49	105	5063	0.426	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.05	75	528m	0.339	ug/l	
82) 4-Chlorotoluene	11.49	91	5575	0.483	ug/l	100
83) tert-Butylbenzene	11.75	119	4987	0.439	ug/l	97
84) 1,2,4-Trimethylbenzene	11.79	105	5247	0.438	ug/l	99
85) sec-Butylbenzene	11.93	105	5818	0.427	ug/l	98
86) p-Isopropyltoluene	12.05	119	5402	0.429	ug/l	86
87) 1,3-Dichlorobenzene	12.01	146	3423	0.527	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	3752m	0.555	ug/l	
89) n-Butylbenzene	12.37	91	5490	0.464	ug/l	100
90) Hexachloroethane	12.58	117	726	0.339	ug/l	100
91) 1,2-Dichlorobenzene	12.37	146	2970	0.476	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.98	75	508	0.472	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	2233	0.477	ug/l	94
94) Hexachlorobutadiene	13.77	225	957	0.464	ug/l	97
95) Naphthalene	13.82	128	6127	0.415	ug/l	98
96) 1,2,3-Trichlorobenzene	14.00	180	1963	0.432	ug/l	92

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

