

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071020\
 Data File : VN062490.D
 Acq On : 10 Jul 2020 13:54
 Operator : JC/MD
 Sample : L3216-08 1PPB L00
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

Manual Integrations
 APPROVED

MMDadoda
 7/13/2020 11:19:13 AM

Quant Time: Jul 11 03:56:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 11 03:18:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	195888	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	338949	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	303633	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	116536	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	148949	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
35) Dibromofluoromethane	7.55	113	104955	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
50) Toluene-d8	10.06	98	403050	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
62) 4-Bromofluorobenzene	12.38	95	134418	44.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.94%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	1909	0.957	ug/l	87
3) Chloromethane	2.04	50	3426	1.070	ug/l	99
4) Vinyl Chloride	2.16	62	2975	1.134	ug/l	94
5) Bromomethane	2.54	94	1539	1.092	ug/l #	73
6) Chloroethane	2.67	64	1749	1.145	ug/l	94
7) Trichlorofluoromethane	2.98	101	3795	1.139	ug/l	98
8) Diethyl Ether	3.38	74	1345	0.903	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	1960	0.993	ug/l #	75
10) Methyl Iodide	3.91	142	1887	0.724	ug/l #	80
11) Tert butyl alcohol	4.73	59	2854	5.710	ug/l #	74
12) 1,1-Dichloroethene	3.69	96	2262	1.125	ug/l #	70
13) Acrolein	3.58	56	1408	3.905	ug/l	98
14) Allyl chloride	4.27	41	4585m	0.970	ug/l	
15) Acrylonitrile	4.95	53	5892	4.495	ug/l	98
16) Acetone	3.79	43	6545	5.117	ug/l	97
17) Carbon Disulfide	4.01	76	7494	1.189	ug/l	98
18) Methyl Acetate	4.28	43	3803	1.191	ug/l	94
19) Methyl tert-butyl Ether	4.99	73	7520	0.987	ug/l	93
20) Methylene Chloride	4.51	84	3650	1.335	ug/l #	88
21) trans-1,2-Dichloroethene	4.98	96	2220	1.019	ug/l #	60
22) Diisopropyl ether	5.91	45	8812	0.943	ug/l #	75
23) Vinyl Acetate	5.85	43	33568	4.337	ug/l	99
24) 1,1-Dichloroethane	5.80	63	4778	0.990	ug/l #	85
25) 2-Butanone	6.80	43	8492	4.546	ug/l	94
26) 2,2-Dichloropropane	6.78	77	4283	1.157	ug/l #	72
27) cis-1,2-Dichloroethene	6.79	96	2629	1.042	ug/l	97
28) Bromochloromethane	7.15	49	2319	0.884	ug/l #	64
29) Tetrahydrofuran	7.17	42	6117	4.863	ug/l	94
30) Chloroform	7.33	83	4797	1.101	ug/l	88
31) Cyclohexane	7.62	56	8703	1.902	ug/l #	20
32) 1,1,1-Trichloroethane	7.53	97	3637	1.003	ug/l #	55
36) 1,1-Dichloropropene	7.75	75	3399	0.995	ug/l #	79
37) Ethyl Acetate	6.88	43	4308m	1.079	ug/l	
38) Carbon Tetrachloride	7.74	117	3248m	1.058	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	3518	0.965	ug/l	95
40) Benzene	8.00	78	10809	1.074	ug/l	98
41) Methacrylonitrile	7.15	41	2146m	1.286	ug/l	
42) 1,2-Dichloroethane	8.09	62	4107	1.114	ug/l	80
43) Isopropyl Acetate	8.12	43	6243	0.990	ug/l #	88
44) Trichloroethene	8.80	130	2260	1.012	ug/l	92
45) 1,2-Dichloropropane	9.08	63	2996	1.025	ug/l	91
46) Dibromomethane	9.18	93	1733	1.051	ug/l	94
47) Bromodichloromethane	9.37	83	3544	1.005	ug/l #	92
48) Methyl methacrylate	9.17	41	2725	0.881	ug/l	99
49) 1,4-Dioxane	9.17	88	753	16.720	ug/l #	74
51) 4-Methyl-2-Pentanone	9.95	43	17006	4.514	ug/l	98
52) Toluene	10.13	92	6028	1.037	ug/l	98
53) t-1,3-Dichloropropene	10.36	75	3457	0.875	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	3880	0.890	ug/l #	86
55) 1,1,2-Trichloroethane	10.54	97	2205	0.964	ug/l	99
56) Ethyl methacrylate	10.40	69	3279	0.858	ug/l	91
57) 1,3-Dichloropropane	10.68	76	3914	0.927	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.67	63	4044	2.981	ug/l	94
59) 2-Hexanone	10.73	43	12092	4.421	ug/l	91
60) Dibromochloromethane	10.88	129	2288	0.923	ug/l	99
61) 1,2-Dibromoethane	10.98	107	2273	0.985	ug/l	98
64) Tetrachloroethene	10.61	164	1636	0.908	ug/l	92
65) Chlorobenzene	11.41	112	5908	1.001	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.48	131	2207	1.014	ug/l #	65
67) Ethyl Benzene	11.48	91	10613	0.958	ug/l	98
68) m/p-Xylenes	11.60	106	7384	1.883	ug/l	99
69) o-Xylene	11.92	106	3126	0.819	ug/l	75
70) Styrene	11.94	104	5481	0.869	ug/l	94
71) Bromoform	12.09	173	1611	1.010	ug/l #	78
73) Isopropylbenzene	12.22	105	8954	0.993	ug/l	99
74) N-amyl acetate	12.05	43	4113	0.937	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.48	83	3572	1.178	ug/l #	93
76) 1,2,3-Trichloropropane	12.53	75	3338m	1.167	ug/l	
77) Bromobenzene	12.50	156	2487	1.213	ug/l	93
78) n-propylbenzene	12.57	91	10983	1.043	ug/l	97
79) 2-Chlorotoluene	12.65	91	7376	1.154	ug/l	92
80) 1,3,5-Trimethylbenzene	12.71	105	7089	0.959	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.28	75	1039m	0.973	ug/l	
82) 4-Chlorotoluene	12.75	91	6723	1.036	ug/l	99
83) tert-Butylbenzene	12.97	119	6151	0.980	ug/l	95
84) 1,2,4-Trimethylbenzene	13.02	105	6607	0.899	ug/l	95
85) sec-Butylbenzene	13.15	105	7999	0.962	ug/l	98
86) p-Isopropyltoluene	13.26	119	5777	0.805	ug/l	94
87) 1,3-Dichlorobenzene	13.26	146	3762	1.064	ug/l	93
88) 1,4-Dichlorobenzene	13.34	146	3955m	1.087	ug/l	
89) n-Butylbenzene	13.59	91	5332	0.842	ug/l	98
90) Hexachloroethane	13.85	117	1440	1.020	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	3721	1.088	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.25	75	547	0.989	ug/l #	61

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	1080	0.701	ug/l	92
94) Hexachlorobutadiene	14.98	225	977	1.076	ug/l	90
95) Naphthalene	15.11	128	3634	0.836	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.29	180	1334	0.832	ug/l	88

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

