

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071020\
 Data File : VN062491.D
 Acq On : 10 Jul 2020 14:18
 Operator : JC/MD
 Sample : L3216-08 5PPB L00
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 7/13/2020 11:19:34 AM

Quant Time: Jul 11 03:58:19 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	189435	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	326762	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	292180	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	117801	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	141153	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	
35) Dibromofluoromethane	7.55	113	100714	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
50) Toluene-d8	10.06	98	382448	47.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.92%	
62) 4-Bromofluorobenzene	12.38	95	132985	45.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.28%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	10555	5.470	ug/l 88
3) Chloromethane	2.03	50	16619	5.368	ug/l 98
4) Vinyl Chloride	2.16	62	13905	5.482	ug/l 95
5) Bromomethane	2.52	94	7504	5.508	ug/l 98
6) Chloroethane	2.66	64	8592	5.816	ug/l 98
7) Trichlorofluoromethane	2.98	101	18153	5.635	ug/l 99
8) Diethyl Ether	3.37	74	7988	5.545	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	10737	5.622	ug/l 97
10) Methyl Iodide	3.91	142	10738	4.258	ug/l 99
11) Tert butyl alcohol	4.74	59	13695	28.334	ug/l # 88
12) 1,1-Dichloroethene	3.70	96	10877	5.594	ug/l 95
13) Acrolein	3.57	56	8460	24.264	ug/l 97
14) Allyl chloride	4.28	41	23455	5.129	ug/l 98
15) Acrylonitrile	4.94	53	33446	26.384	ug/l 100
16) Acetone	3.78	43	30055	24.296	ug/l 100
17) Carbon Disulfide	4.01	76	33672	5.527	ug/l 100
18) Methyl Acetate	4.28	43	16953	5.491	ug/l 100
19) Methyl tert-butyl Ether	4.99	73	39692	5.384	ug/l 99
20) Methylene Chloride	4.50	84	14736	5.571	ug/l 86
21) trans-1,2-Dichloroethene	4.99	96	11830	5.616	ug/l 81
22) Diisopropyl ether	5.90	45	48157	5.330	ug/l # 85
23) Vinyl Acetate	5.85	43	192326	25.698	ug/l 99
24) 1,1-Dichloroethane	5.80	63	25337	5.427	ug/l 97
25) 2-Butanone	6.79	43	46156	25.548	ug/l 99
26) 2,2-Dichloropropane	6.78	77	18918	5.285	ug/l 100
27) cis-1,2-Dichloroethene	6.79	96	13458	5.516	ug/l 97
28) Bromochloromethane	7.15	49	11988	4.726	ug/l # 94
29) Tetrahydrofuran	7.17	42	31605	25.984	ug/l 99
30) Chloroform	7.33	83	23791	5.644	ug/l 96
31) Cyclohexane	7.62	56	25464	5.754	ug/l # 75
32) 1,1,1-Trichloroethane	7.53	97	19389	5.530	ug/l 98
36) 1,1-Dichloropropene	7.75	75	17200	5.225	ug/l 99
37) Ethyl Acetate	6.89	43	19853	5.157	ug/l # 93
38) Carbon Tetrachloride	7.73	117	16616	5.614	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	18847	5.362	ug/l	97
40) Benzene	8.00	78	54982	5.667	ug/l	99
41) Methacrylonitrile	7.13	41	8428	5.240	ug/l	93
42) 1,2-Dichloroethane	8.09	62	20213	5.690	ug/l	99
43) Isopropyl Acetate	8.13	43	31914	5.248	ug/l	95
44) Trichloroethene	8.80	130	11447	5.317	ug/l	95
45) 1,2-Dichloropropane	9.09	63	14535	5.160	ug/l	96
46) Dibromomethane	9.17	93	8793	5.532	ug/l	98
47) Bromodichloromethane	9.37	83	18304	5.386	ug/l	98
48) Methyl methacrylate	9.17	41	15283	5.123	ug/l	98
49) 1,4-Dioxane	9.17	88	4693	108.090	ug/l	94
51) 4-Methyl-2-Pentanone	9.95	43	93897	25.852	ug/l	100
52) Toluene	10.12	92	30946	5.522	ug/l	99
53) t-1,3-Dichloropropene	10.36	75	19355	5.084	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	21435	5.103	ug/l	98
55) 1,1,2-Trichloroethane	10.54	97	12389	5.621	ug/l	96
56) Ethyl methacrylate	10.40	69	18223	4.947	ug/l	98
57) 1,3-Dichloropropane	10.68	76	22529	5.532	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	28717	21.961	ug/l	98
59) 2-Hexanone	10.72	43	66119	25.075	ug/l	97
60) Dibromochloromethane	10.87	129	12933	5.411	ug/l	96
61) 1,2-Dibromoethane	10.98	107	12604	5.665	ug/l	95
64) Tetrachloroethene	10.60	164	9814	5.660	ug/l	95
65) Chlorobenzene	11.41	112	31960	5.628	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	11532	5.507	ug/l	97
67) Ethyl Benzene	11.48	91	55775	5.233	ug/l	99
68) m/p-Xylenes	11.59	106	39313	10.418	ug/l	99
69) o-Xylene	11.92	106	18971	5.164	ug/l	97
70) Styrene	11.94	104	31532	5.193	ug/l	97
71) Bromoform	12.10	173	8403	5.474	ug/l #	99
73) Isopropylbenzene	12.22	105	51689	5.670	ug/l	99
74) N-amyl acetate	12.05	43	22947	5.172	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.48	83	19416	6.335	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	17310m	5.989	ug/l	
77) Bromobenzene	12.50	156	12694	6.125	ug/l	92
78) n-propylbenzene	12.57	91	59559	5.593	ug/l	99
79) 2-Chlorotoluene	12.65	91	37489	5.801	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	41832	5.598	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.28	75	5505	5.098	ug/l	99
82) 4-Chlorotoluene	12.75	91	36249	5.525	ug/l	99
83) tert-Butylbenzene	12.97	119	36664	5.781	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	40502	5.453	ug/l	99
85) sec-Butylbenzene	13.15	105	46804	5.570	ug/l	99
86) p-Isopropyltoluene	13.26	119	38596	5.321	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	20590	5.759	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	20330	5.526	ug/l	93
89) n-Butylbenzene	13.59	91	31359	4.897	ug/l	99
90) Hexachloroethane	13.85	117	8253	5.785	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	19973	5.778	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.25	75	3040	5.435	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	6771	4.345	ug/l	97
94) Hexachlorobutadiene	14.99	225	5326	5.803	ug/l	99
95) Naphthalene	15.10	128	16941	3.855	ug/l	98
96) 1,2,3-Trichlorobenzene	15.28	180	6995	4.316	ug/l	98

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

