

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081420\
 Data File : VN062944.D
 Acq On : 14 Aug 2020 19:43
 Operator : JC/MD
 Sample : VN0814WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBS02

Manual Integrations
 APPROVED

MMDadoda
 8/17/2020 11:43:44 AM

Quant Time: Aug 17 09:51:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	235061	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	380661	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	361709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	163698	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	175943	45.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.52%	
35) Dibromofluoromethane	7.55	113	130161	49.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.98%	
50) Toluene-d8	10.06	98	491191	48.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.64%	
62) 4-Bromofluorobenzene	12.38	95	176077	45.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.66%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	58752	17.455	ug/l	99
3) Chloromethane	2.03	50	72670	22.878	ug/l	100
4) Vinyl Chloride	2.16	62	65730	22.063	ug/l	99
5) Bromomethane	2.51	94	34742	17.616	ug/l	92
6) Chloroethane	2.66	64	38916	19.856	ug/l	97
7) Trichlorofluoromethane	2.97	101	86794	16.338	ug/l	98
8) Diethyl Ether	3.37	74	29097	19.133	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.71	101	42543	19.317	ug/l	96
10) Methyl Iodide	3.91	142	44783	17.393	ug/l	92
11) Tert butyl alcohol	4.74	59	54817	86.042	ug/l	100
12) 1,1-Dichloroethene	3.69	96	37830	18.153	ug/l	96
13) Acrolein	3.57	56	33688	87.333	ug/l	95
14) Allyl chloride	4.27	41	79981	19.434	ug/l	91
15) Acrylonitrile	4.93	53	151800	102.728	ug/l	99
16) Acetone	3.78	43	126720	90.219	ug/l	98
17) Carbon Disulfide	4.00	76	104507	17.790	ug/l	99
18) Methyl Acetate	4.28	43	74330	21.736	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	157912	17.339	ug/l	97
20) Methylene Chloride	4.50	84	52946	20.144	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	42647	18.130	ug/l	98
22) Diisopropyl ether	5.90	45	193106	22.042	ug/l	94
23) Vinyl Acetate	5.85	43	630298	94.587	ug/l	99
24) 1,1-Dichloroethane	5.80	63	98791	19.242	ug/l	100
25) 2-Butanone	6.79	43	201564	101.323	ug/l	96
26) 2,2-Dichloropropane	6.78	77	75432	15.939	ug/l	99
27) cis-1,2-Dichloroethene	6.79	96	52417	18.576	ug/l	96
28) Bromochloromethane	7.15	49	54118	21.841	ug/l	91
29) Tetrahydrofuran	7.17	42	138978	107.535	ug/l	93
30) Chloroform	7.33	83	99077	18.159	ug/l	99
31) Cyclohexane	7.61	56	88900	18.863	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	80817	16.567	ug/l	97
36) 1,1-Dichloropropene	7.75	75	63397	17.104	ug/l	97
37) Ethyl Acetate	6.89	43	76191	19.678	ug/l #	83
38) Carbon Tetrachloride	7.73	117	67863	15.481	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	74054	16.602	ug/l	92
40) Benzene	8.00	78	205357	18.567	ug/l	99
41) Methacrylonitrile	7.14	41	38212m	21.871	ug/l	
42) 1,2-Dichloroethane	8.08	62	77503	16.464	ug/l	99
43) Isopropyl Acetate	8.13	43	121884	18.873	ug/l	99
44) Trichloroethene	8.80	130	47313	17.558	ug/l	96
45) 1,2-Dichloropropane	9.08	63	61368	20.500	ug/l	96
46) Dibromomethane	9.17	93	37130	18.930	ug/l	98
47) Bromodichloromethane	9.37	83	79307	18.003	ug/l	97
48) Methyl methacrylate	9.17	41	58108	18.293	ug/l	97
49) 1,4-Dioxane	9.17	88	21918	372.382	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	427853	102.394	ug/l	98
52) Toluene	10.13	92	123714	18.116	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	80923	16.700	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	87935	18.075	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	56249	19.286	ug/l	98
56) Ethyl methacrylate	10.40	69	79097	18.017	ug/l	93
57) 1,3-Dichloropropane	10.68	76	94658	19.101	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	90123	72.627	ug/l	95
59) 2-Hexanone	10.72	43	311107	99.813	ug/l	95
60) Dibromochloromethane	10.87	129	57907	17.398	ug/l	99
61) 1,2-Dibromoethane	10.98	107	54368	18.891	ug/l	100
64) Tetrachloroethene	10.60	164	41307	17.700	ug/l	93
65) Chlorobenzene	11.41	112	135085	17.866	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	53211	17.525	ug/l	97
67) Ethyl Benzene	11.49	91	232484	17.182	ug/l	97
68) m/p-Xylenes	11.60	106	174815	35.592	ug/l	94
69) o-Xylene	11.92	106	80901	17.576	ug/l	97
70) Styrene	11.94	104	145124	17.937	ug/l	96
71) Bromoform	12.10	173	42301	17.027	ug/l #	99
73) Isopropylbenzene	12.22	105	227705	18.473	ug/l	99
74) N-amyl acetate	12.05	43	101626	20.345	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	88456	20.385	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	77110m	17.466	ug/l	
77) Bromobenzene	12.50	156	58684	19.161	ug/l	96
78) n-propylbenzene	12.57	91	269015	18.592	ug/l	100
79) 2-Chlorotoluene	12.65	91	168442	18.564	ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	196430	18.369	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	26222	18.132	ug/l	98
82) 4-Chlorotoluene	12.75	91	170771	18.263	ug/l	98
83) tert-Butylbenzene	12.97	119	161781	17.879	ug/l	97
84) 1,2,4-Trimethylbenzene	13.02	105	186928	18.272	ug/l	97
85) sec-Butylbenzene	13.15	105	218247	18.367	ug/l	99
86) p-Isopropyltoluene	13.26	119	185348	17.573	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	100841	18.430	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	99132	18.064	ug/l	99
89) n-Butylbenzene	13.59	91	147945	16.585	ug/l	98
90) Hexachloroethane	13.85	117	40374	17.758	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	99344	19.367	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	16055	17.234	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	40443	17.027	ug/l	95
94) Hexachlorobutadiene	14.98	225	29035	16.961	ug/l	97
95) Naphthalene	15.11	128	98018	15.767	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	39851	16.613	ug/l	98

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

