

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060520\
 Data File : VN061660.D
 Acq On : 5 Jun 2020 11:35
 Operator : JC/MD
 Sample : VN0605WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0605WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/8/2020 11:49:06 AM

Quant Time: Jun 06 03:35:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	355685	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	574320	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	536908	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	269304	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	211692	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
35) Dibromofluoromethane	7.54	113	168947	57.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.98%	
50) Toluene-d8	10.06	98	727242	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	
62) 4-Bromofluorobenzene	12.37	95	255424	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	77997	19.705	ug/l	99
3) Chloromethane	2.03	50	82220	18.953	ug/l	98
4) Vinyl Chloride	2.16	62	111952	18.831	ug/l	100
5) Bromomethane	2.53	94	70409	20.640	ug/l	100
6) Chloroethane	2.67	64	73071	19.096	ug/l	99
7) Trichlorofluoromethane	2.98	101	151941	19.820	ug/l	95
8) Diethyl Ether	3.37	74	43704	18.644	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	69315	20.375	ug/l	99
10) Methyl Iodide	3.91	142	93466	19.792	ug/l	100
11) Tert butyl alcohol	4.73	59	57933	102.778	ug/l	100
12) 1,1-Dichloroethene	3.69	96	66899	18.407	ug/l	98
13) Acrolein	3.56	56	16381	79.408	ug/l	97
14) Allyl chloride	4.27	41	86007	18.101	ug/l	97
15) Acrylonitrile	4.93	53	139284	88.529	ug/l	99
16) Acetone	3.77	43	122736	101.404	ug/l	99
17) Carbon Disulfide	4.01	76	151650	18.965	ug/l	100
18) Methyl Acetate	4.27	43	68579	17.876	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	229921	18.562	ug/l	99
20) Methylene Chloride	4.50	84	76109	18.669	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	75415	18.399	ug/l	92
22) Diisopropyl ether	5.90	45	196504	18.764	ug/l	95
23) Vinyl Acetate	5.84	43	723678	86.701	ug/l	99
24) 1,1-Dichloroethane	5.80	63	127353	19.177	ug/l	98
25) 2-Butanone	6.78	43	176043	87.653	ug/l	98
26) 2,2-Dichloropropane	6.77	77	119399	19.644	ug/l	98
27) cis-1,2-Dichloroethene	6.77	96	89946	19.380	ug/l	99
28) Bromochloromethane	7.15	49	52322	20.154	ug/l	100
29) Tetrahydrofuran	7.17	42	112475	84.927	ug/l	96
30) Chloroform	7.33	83	141791	19.299	ug/l	98
31) Cyclohexane	7.61	56	107069	17.927	ug/l	# 95
32) 1,1,1-Trichloroethane	7.53	97	128109	19.137	ug/l	100
36) 1,1-Dichloropropene	7.75	75	100142	19.697	ug/l	99
37) Ethyl Acetate	6.88	43	74989	18.312	ug/l	98
38) Carbon Tetrachloride	7.73	117	99640	20.318	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	117260	18.712	ug/l	96
40) Benzene	8.00	78	313007	19.953	ug/l	100
41) Methacrylonitrile	7.12	41	32139	17.130	ug/l	93
42) 1,2-Dichloroethane	8.08	62	101940	19.410	ug/l	100
43) Isopropyl Acetate	8.12	43	132297	17.957	ug/l	93
44) Trichloroethene	8.80	130	97238	20.170	ug/l	93
45) 1,2-Dichloropropane	9.08	63	74912	20.111	ug/l	100
46) Dibromomethane	9.17	93	55864	19.554	ug/l	99
47) Bromodichloromethane	9.37	83	112540	19.883	ug/l	99
48) Methyl methacrylate	9.17	41	56403	17.016	ug/l	98
49) 1,4-Dioxane	9.17	88	25551	497.582	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	378447	91.155	ug/l	99
52) Toluene	10.12	92	208283	20.343	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	117432	19.259	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	129709	19.784	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	81833	20.061	ug/l	98
56) Ethyl methacrylate	10.40	69	108193	18.987	ug/l	97
57) 1,3-Dichloropropane	10.68	76	130153	19.949	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	228167	93.698	ug/l	99
59) 2-Hexanone	10.72	43	265648	89.095	ug/l	98
60) Dibromochloromethane	10.87	129	92964	20.046	ug/l	99
61) 1,2-Dibromoethane	10.98	107	84862	19.947	ug/l	99
64) Tetrachloroethene	10.60	164	103956	20.569	ug/l	98
65) Chlorobenzene	11.41	112	228534	20.477	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	86374	20.785	ug/l	99
67) Ethyl Benzene	11.48	91	388166	20.123	ug/l	99
68) m/p-Xylenes	11.59	106	307328	40.182	ug/l	100
69) o-Xylene	11.92	106	147181	20.261	ug/l	100
70) Styrene	11.94	104	242776	20.181	ug/l	99
71) Bromoform	12.10	173	60869	19.009	ug/l #	100
73) Isopropylbenzene	12.22	105	389481	19.815	ug/l	100
74) N-amyl acetate	12.05	43	106520	17.208	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	104096	18.899	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	95696m	19.542	ug/l	
77) Bromobenzene	12.50	156	99784	19.888	ug/l	99
78) n-propylbenzene	12.57	91	429875	19.590	ug/l	99
79) 2-Chlorotoluene	12.65	91	253926	19.407	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	325087	19.788	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	32412	16.926	ug/l	97
82) 4-Chlorotoluene	12.75	91	263350	19.132	ug/l	98
83) tert-Butylbenzene	12.97	119	276703	19.063	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	324019	19.853	ug/l	99
85) sec-Butylbenzene	13.15	105	353440	18.896	ug/l	99
86) p-Isopropyltoluene	13.26	119	327695	19.024	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	178941	20.141	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	177288	19.588	ug/l	98
89) n-Butylbenzene	13.59	91	263051	18.233	ug/l	99
90) Hexachloroethane	13.85	117	42247	22.178	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	173460	20.430	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	18445	16.420	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	93738	18.877	ug/l	99
94) Hexachlorobutadiene	14.99	225	41504	19.598	ug/l	97
95) Naphthalene	15.10	128	266702	17.646	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	92543	18.955	ug/l	98

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

