

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012120\
 Data File : VN059804.D
 Acq On : 21 Jan 2020 12:05
 Operator : JC/MD
 Sample : VN0121WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/22/2020 11:14:50 AM

Quant Time: Jan 22 03:11:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	206591	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	315240	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	283320	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	133576	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	114535	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
35) Dibromofluoromethane	7.56	113	97848	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	
50) Toluene-d8	10.08	98	374450	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
62) 4-Bromofluorobenzene	12.40	95	130399	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	47348	19.116	ug/l	99
3) Chloromethane	2.04	50	43997	18.602	ug/l	97
4) Vinyl Chloride	2.17	62	55091	20.357	ug/l	98
5) Bromomethane	2.54	94	34176	20.694	ug/l	98
6) Chloroethane	2.69	64	25358	19.806	ug/l	99
7) Trichlorofluoromethane	3.00	101	65647	20.199	ug/l	97
8) Diethyl Ether	3.38	74	23209	20.349	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	3.74	101	37263	20.601	ug/l	92
10) Methyl Iodide	3.93	142	55280	18.907	ug/l	95
11) Tert butyl alcohol	4.73	59	35773	92.622	ug/l	98
12) 1,1-Dichloroethene	3.72	96	37101	19.629	ug/l	86
13) Acrolein	3.58	56	17122	62.626	ug/l	98
14) Allyl chloride	4.29	41	53585	21.033	ug/l #	92
15) Acrylonitrile	4.94	53	84347	95.739	ug/l	99
16) Acetone	3.78	43	77437	92.660	ug/l	95
17) Carbon Disulfide	4.03	76	99083	18.402	ug/l	99
18) Methyl Acetate	4.29	43	51287	19.138	ug/l	92
19) Methyl tert-butyl Ether	5.00	73	121415	19.702	ug/l	98
20) Methylene Chloride	4.52	84	42619	19.750	ug/l	88
21) trans-1,2-Dichloroethene	5.01	96	38637	19.231	ug/l	86
22) Diisopropyl ether	5.91	45	111774	19.360	ug/l #	92
23) Vinyl Acetate	5.86	43	428650	95.895	ug/l #	93
24) 1,1-Dichloroethane	5.82	63	69592	19.727	ug/l	98
25) 2-Butanone	6.80	43	111197	85.588	ug/l	91
26) 2,2-Dichloropropane	6.79	77	65850	19.417	ug/l	95
27) cis-1,2-Dichloroethene	6.80	96	46210	19.997	ug/l	86
28) Bromochloromethane	7.17	49	26899	19.078	ug/l #	69
29) Tetrahydrofuran	7.18	42	72264	89.897	ug/l #	87
30) Chloroform	7.35	83	73095	19.998	ug/l	99
31) Cyclohexane	7.63	56	62076	18.287	ug/l #	86
32) 1,1,1-Trichloroethane	7.54	97	66963	19.814	ug/l	95
36) 1,1-Dichloropropene	7.77	75	54533	19.865	ug/l	97
37) Ethyl Acetate	6.90	43	46956	18.237	ug/l	96
38) Carbon Tetrachloride	7.75	117	60055	20.111	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	66479	19.640	ug/l	90
40) Benzene	8.02	78	161108	19.678	ug/l	99
41) Methacrylonitrile	7.14	41	17870m	14.091	ug/l	
42) 1,2-Dichloroethane	8.10	62	56844	20.478	ug/l	97
43) Isopropyl Acetate	8.14	43	80545	18.187	ug/l #	94
44) Trichloroethene	8.82	130	47372	21.195	ug/l	95
45) 1,2-Dichloropropane	9.10	63	41344	20.407	ug/l	97
46) Dibromomethane	9.19	93	28915	20.233	ug/l	91
47) Bromodichloromethane	9.38	83	59086	20.517	ug/l	97
48) Methyl methacrylate	9.18	41	35802	18.073	ug/l	89
49) 1,4-Dioxane	9.18	88	15220	419.697	ug/l	87
51) 4-Methyl-2-Pentanone	9.97	43	234259	91.503	ug/l	94
52) Toluene	10.14	92	103503	20.014	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	63922	19.878	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	68728	20.313	ug/l	92
55) 1,1,2-Trichloroethane	10.55	97	40827	19.933	ug/l	97
56) Ethyl methacrylate	10.42	69	58386	18.656	ug/l	92
57) 1,3-Dichloropropane	10.70	76	66420	20.426	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	95556	101.369	ug/l #	90
59) 2-Hexanone	10.74	43	169122	89.670	ug/l	94
60) Dibromochloromethane	10.89	129	47613	20.414	ug/l	99
61) 1,2-Dibromoethane	10.99	107	43120	20.086	ug/l	98
64) Tetrachloroethene	10.62	164	48810	21.138	ug/l	95
65) Chlorobenzene	11.43	112	113796	20.435	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	45513	21.152	ug/l	97
67) Ethyl Benzene	11.50	91	202998	20.081	ug/l	98
68) m/p-Xylenes	11.62	106	153649	40.237	ug/l	93
69) o-Xylene	11.94	106	75025	20.068	ug/l	94
70) Styrene	11.96	104	119924	19.170	ug/l	97
71) Bromoform	12.12	173	35087	20.357	ug/l #	98
73) Isopropylbenzene	12.24	105	200811	20.498	ug/l	100
74) N-amyl acetate	12.07	43	67955	17.877	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	55200	19.437	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	50505m	22.467	ug/l	
77) Bromobenzene	12.52	156	51156	20.621	ug/l	80
78) n-propylbenzene	12.59	91	222503	20.236	ug/l	97
79) 2-Chlorotoluene	12.67	91	132129	20.200	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	167814	20.369	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	19370	18.504	ug/l	97
82) 4-Chlorotoluene	12.77	91	132394	20.179	ug/l	95
83) tert-Butylbenzene	12.99	119	148113	20.786	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	166377	20.413	ug/l	98
85) sec-Butylbenzene	13.17	105	189879	20.282	ug/l	99
86) p-Isopropyltoluene	13.28	119	174392	20.132	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	87326	20.264	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	87827	20.430	ug/l	98
89) n-Butylbenzene	13.61	91	145614	19.715	ug/l	98
90) Hexachloroethane	13.87	117	31924	19.697	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	88175	20.697	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11946	18.272	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	50642	19.783	ug/l	100
94) Hexachlorobutadiene	15.01	225	28316	20.073	ug/l	99
95) Naphthalene	15.13	128	130342	17.901	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	48595	19.503	ug/l	98

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

