

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112019\
 Data File : VN059322.D
 Acq On : 20 Nov 2019 12:52
 Operator : JC/SP
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 11/21/2019 11:07:58 AM

Quant Time: Nov 21 08:45:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 15:04:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	411806	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	658453	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	589256	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	283930	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	498615	98.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.00%	
35) Dibromofluoromethane	7.57	113	396969	100.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.94%	
50) Toluene-d8	10.08	98	1588239	102.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.12%	
62) 4-Bromofluorobenzene	12.40	95	571941	102.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	531907	128.198	ug/l	100
3) Chloromethane	2.04	50	630400	111.772	ug/l	100
4) Vinyl Chloride	2.17	62	679065	124.186	ug/l	100
5) Bromomethane	2.53	94	363162m	115.410	ug/l	
6) Chloroethane	2.68	64	345901	106.935	ug/l	100
7) Trichlorofluoromethane	3.00	101	684411	104.642	ug/l	100
8) Diethyl Ether	3.39	74	295959	111.365	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	428227	108.590	ug/l	99
10) Methyl Iodide	3.93	142	602645	123.460	ug/l	98
11) Tert butyl alcohol	4.76	59	520326	539.345	ug/l	99
12) 1,1-Dichloroethene	3.71	96	436484	113.623	ug/l	98
13) Acrolein	3.58	56	470989	946.905	ug/l	99
14) Allyl chloride	4.29	41	840127	106.467	ug/l	97
15) Acrylonitrile	4.95	53	1354808	564.292	ug/l	99
16) Acetone	3.79	43	1110173	421.731	ug/l	98
17) Carbon Disulfide	4.03	76	1373126	115.148	ug/l	100
18) Methyl Acetate	4.30	43	756928	121.142	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	1481687	112.030	ug/l	100
20) Methylene Chloride	4.52	84	483804	105.494	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	467683	113.420	ug/l	95
22) Diisopropyl ether	5.92	45	1601535	107.451	ug/l	97
23) Vinyl Acetate	5.87	43	6290250	544.538	ug/l	96
24) 1,1-Dichloroethane	5.82	63	891903	107.139	ug/l	99
25) 2-Butanone	6.81	43	1822985	525.450	ug/l	98
26) 2,2-Dichloropropane	6.80	77	745622	102.431	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	527675	110.302	ug/l	98
28) Bromochloromethane	7.17	49	353000	140.943	ug/l	97
29) Tetrahydrofuran	7.19	42	1244368	564.483	ug/l	97
30) Chloroform	7.35	83	848786	106.288	ug/l	100
31) Cyclohexane	7.63	56	842698	106.929	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	730671	108.828	ug/l	98
36) 1,1-Dichloropropene	7.77	75	679979	110.483	ug/l	100
37) Ethyl Acetate	6.91	43	740259	108.117	ug/l	98
38) Carbon Tetrachloride	7.75	117	650209	106.143	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	833517	116.691	ug/l	98
40) Benzene	8.02	78	1991778	107.468	ug/l	100
41) Methacrylonitrile	7.16	41	340869m	114.489	ug/l	
42) 1,2-Dichloroethane	8.10	62	661414	104.052	ug/l	99
43) Isopropyl Acetate	8.15	43	1179701	108.075	ug/l	99
44) Trichloroethene	8.82	130	500276	109.808	ug/l	99
45) 1,2-Dichloropropane	9.10	63	538914	107.053	ug/l	100
46) Dibromomethane	9.19	93	332200	105.898	ug/l	99
47) Bromodichloromethane	9.39	83	672399	107.343	ug/l	97
48) Methyl methacrylate	9.19	41	545072	111.638	ug/l	97
49) 1,4-Dioxane	9.19	88	164052	1890.670	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	3390357	548.930	ug/l	95
52) Toluene	10.15	92	1217556	109.605	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	793646	109.665	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	864770	111.086	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	472014	104.992	ug/l	100
56) Ethyl methacrylate	10.42	69	795622	119.225	ug/l	97
57) 1,3-Dichloropropane	10.70	76	827615	106.960	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1405716	561.839	ug/l	99
59) 2-Hexanone	10.75	43	2595922	547.594	ug/l	95
60) Dibromochloromethane	10.90	129	521356	109.683	ug/l	99
61) 1,2-Dibromoethane	11.00	107	502851	110.490	ug/l	100
64) Tetrachloroethene	10.63	164	431794	107.764	ug/l	99
65) Chlorobenzene	11.43	112	1261175	109.792	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	468354	108.692	ug/l	99
67) Ethyl Benzene	11.51	91	2271451	111.453	ug/l	96
68) m/p-Xylenes	11.62	106	1734520	227.203	ug/l	93
69) o-Xylene	11.95	106	826325	112.003	ug/l	96
70) Styrene	11.96	104	1386358	119.481	ug/l	99
71) Bromoform	12.13	173	384937	114.848	ug/l #	100
73) Isopropylbenzene	12.25	105	2183805	105.737	ug/l	98
74) N-amyl acetate	12.07	43	981950	112.203	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	721406	102.569	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	607155m	93.927	ug/l	
77) Bromobenzene	12.53	156	530584	102.253	ug/l	100
78) n-propylbenzene	12.59	91	2545703	107.651	ug/l	98
79) 2-Chlorotoluene	12.68	91	1514020	103.205	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1855358	106.017	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	275957	112.757	ug/l	96
82) 4-Chlorotoluene	12.77	91	1561471	106.124	ug/l	98
83) tert-Butylbenzene	12.99	119	1584265	104.827	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1845838	109.017	ug/l	100
85) sec-Butylbenzene	13.17	105	2129244	108.330	ug/l	99
86) p-Isopropyltoluene	13.29	119	1938908	111.721	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	954248	107.393	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	948373	106.675	ug/l	99
89) n-Butylbenzene	13.62	91	1773891	116.782	ug/l	99
90) Hexachloroethane	13.88	117	358471	102.864	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	922135	105.497	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	157108	98.971	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	612304	130.767	ug/l	99
94) Hexachlorobutadiene	15.01	225	319355	105.962	ug/l	100
95) Naphthalene	15.13	128	1739655	135.271	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	601815	122.856	ug/l	99

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

