

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100419\
 Data File : VN058540.D
 Acq On : 4 Oct 2019 15:03
 Operator : JC/SP
 Sample : VN1004WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1004WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/7/2019 12:08:47 PM

Quant Time: Oct 05 02:28:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	388254	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	659861	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	588032	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	279676	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	279157	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
35) Dibromofluoromethane	7.57	113	198775	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
50) Toluene-d8	10.08	98	771830	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
62) 4-Bromofluorobenzene	12.41	95	281230	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	86050	20.213	ug/l	96
3) Chloromethane	2.04	50	109344	23.363	ug/l	100
4) Vinyl Chloride	2.17	62	93995	20.501	ug/l	96
5) Bromomethane	2.55	94	48869	20.067	ug/l	96
6) Chloroethane	2.68	64	62619	22.794	ug/l	99
7) Trichlorofluoromethane	3.00	101	119659	21.627	ug/l	97
8) Diethyl Ether	3.39	74	50261	21.054	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	77002	20.493	ug/l	99
10) Methyl Iodide	3.93	142	64785	15.549	ug/l	99
11) Tert butyl alcohol	4.75	59	80562	127.815	ug/l #	85
12) 1,1-Dichloroethene	3.71	96	74259	20.275	ug/l	98
13) Acrolein	3.58	56	21616	107.824	ug/l	98
14) Allyl chloride	4.30	41	140383	21.062	ug/l	98
15) Acrylonitrile	4.96	53	209814	114.217	ug/l	99
16) Acetone	3.79	43	186073	96.206	ug/l	98
17) Carbon Disulfide	4.03	76	188310	19.505	ug/l	99
18) Methyl Acetate	4.30	43	108194	22.241	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	278995	21.589	ug/l	100
20) Methylene Chloride	4.53	84	89740	20.106	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	80371	19.733	ug/l	98
22) Diisopropyl ether	5.93	45	301986	21.054	ug/l	96
23) Vinyl Acetate	5.87	43	1235112	114.204	ug/l	99
24) 1,1-Dichloroethane	5.82	63	174039	21.560	ug/l	99
25) 2-Butanone	6.81	43	283095	106.608	ug/l	99
26) 2,2-Dichloropropane	6.80	77	135713	20.450	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	99391	20.880	ug/l	99
28) Bromochloromethane	7.18	49	70393	21.816	ug/l	99
29) Tetrahydrofuran	7.19	42	189860	112.649	ug/l	100
30) Chloroform	7.35	83	170736	20.872	ug/l	97
31) Cyclohexane	7.64	56	153939	19.605	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	144783	21.554	ug/l	98
36) 1,1-Dichloropropene	7.78	75	127514	20.210	ug/l	99
37) Ethyl Acetate	6.91	43	125343	23.431	ug/l	99
38) Carbon Tetrachloride	7.75	117	120563	21.169	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	140083	19.012	ug/l	98
40) Benzene	8.03	78	373144	20.574	ug/l	100
41) Methacrylonitrile	7.15	41	54118	21.990	ug/l	97
42) 1,2-Dichloroethane	8.11	62	144819	20.524	ug/l	100
43) Isopropyl Acetate	8.15	43	212002	21.075	ug/l #	91
44) Trichloroethene	8.82	130	92868	20.737	ug/l	100
45) 1,2-Dichloropropane	9.11	63	102796	21.133	ug/l	97
46) Dibromomethane	9.20	93	64598	20.971	ug/l	98
47) Bromodichloromethane	9.39	83	124105	21.264	ug/l	97
48) Methyl methacrylate	9.19	41	97983	21.391	ug/l	98
49) 1,4-Dioxane	9.19	88	31771	518.730	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	610574	118.164	ug/l	98
52) Toluene	10.15	92	226160	19.811	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	138075	21.736	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	151071	21.424	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	93941	22.600	ug/l	97
56) Ethyl methacrylate	10.43	69	136799	21.689	ug/l	99
57) 1,3-Dichloropropane	10.71	76	158429	21.368	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	339039	134.805	ug/l	98
59) 2-Hexanone	10.75	43	439405	116.786	ug/l	99
60) Dibromochloromethane	10.90	129	88183	20.157	ug/l	99
61) 1,2-Dibromoethane	11.00	107	90163	21.229	ug/l	98
64) Tetrachloroethene	10.63	164	80791	21.625	ug/l	97
65) Chlorobenzene	11.44	112	242092	20.712	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	87851	22.307	ug/l	99
67) Ethyl Benzene	11.51	91	445546	21.044	ug/l	100
68) m/p-Xylenes	11.62	106	325202	40.826	ug/l	99
69) o-Xylene	11.95	106	154854	20.195	ug/l	95
70) Styrene	11.97	104	260205	20.888	ug/l	99
71) Bromoform	12.13	173	52216	19.614	ug/l #	100
73) Isopropylbenzene	12.25	105	426782	20.649	ug/l	99
74) N-amyl acetate	12.07	43	183031	22.259	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	132712	21.714	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	123379m	24.153	ug/l	
77) Bromobenzene	12.53	156	99157	20.460	ug/l	95
78) n-propylbenzene	12.60	91	500435	21.491	ug/l	100
79) 2-Chlorotoluene	12.68	91	295706	20.574	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	359964	20.805	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.31	75	35719	21.237	ug/l	99
82) 4-Chlorotoluene	12.78	91	301830	20.580	ug/l	98
83) tert-Butylbenzene	13.00	119	302757	20.737	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	357078	20.599	ug/l	98
85) sec-Butylbenzene	13.18	105	411913	21.436	ug/l	99
86) p-Isopropyltoluene	13.30	119	365526	21.610	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	179256	20.398	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	177050	20.250	ug/l	98
89) n-Butylbenzene	13.62	91	335951	21.926	ug/l	100
90) Hexachloroethane	13.88	117	56154	22.096	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	179784	21.292	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	25786	23.925	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	102665	22.003	ug/l	98
94) Hexachlorobutadiene	15.02	225	53564	22.335	ug/l	99
95) Naphthalene	15.13	128	298992	21.865	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	100449	21.459	ug/l	98

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

