

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092619\
 Data File : VN058385.D
 Acq On : 26 Sep 2019 14:58
 Operator : JC/SP
 Sample : VN0926WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/27/2019 11:19:26 AM

Quant Time: Sep 27 04:55:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	443608	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	761436	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	648987	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	291482	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	307249	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
35) Dibromofluoromethane	7.57	113	215991	46.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.32%	
50) Toluene-d8	10.08	98	829185	45.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.96%	
62) 4-Bromofluorobenzene	12.41	95	283137	42.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	58562	16.070	ug/l	98
3) Chloromethane	2.04	50	51951	17.830	ug/l	98
4) Vinyl Chloride	2.17	62	54440	17.128	ug/l	99
5) Bromomethane	2.50	94	19055	12.272	ug/l	89
6) Chloroethane	2.61	64	14458	5.800	ug/l	94
7) Trichlorofluoromethane	2.93	101	87435	17.578	ug/l	100
8) Diethyl Ether	3.38	74	46174	20.260	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.70	101	69127	19.276	ug/l	100
10) Methyl Iodide	3.91	142	41617	13.849	ug/l	98
11) Tert butyl alcohol	4.89	59	48830m	66.439	ug/l	
12) 1,1-Dichloroethene	3.69	96	52254	18.979	ug/l	96
13) Acrolein	3.58	56	6724	61.734	ug/l	97
14) Allyl chloride	4.28	41	98678	16.815	ug/l	97
15) Acrylonitrile	4.97	53	204805	104.592	ug/l	99
16) Acetone	3.81	43	178551	85.135	ug/l	94
17) Carbon Disulfide	4.00	76	51777	13.713	ug/l	97
18) Methyl Acetate	4.30	43	127977	23.190	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	291502	21.551	ug/l	98
20) Methylene Chloride	4.52	84	78105	21.143	ug/l	96
21) trans-1,2-Dichloroethene	5.00	96	57178	19.030	ug/l	96
22) Diisopropyl ether	5.93	45	317912	21.327	ug/l	99
23) Vinyl Acetate	5.87	43	1088006	106.667	ug/l	100
24) 1,1-Dichloroethane	5.81	63	156871	19.717	ug/l	100
25) 2-Butanone	6.83	43	265264	92.838	ug/l	99
26) 2,2-Dichloropropane	6.80	77	117667	17.433	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	86204	19.163	ug/l	98
28) Bromochloromethane	7.17	49	73156	19.437	ug/l	97
29) Tetrahydrofuran	7.20	42	177706	100.969	ug/l	98
30) Chloroform	7.35	83	168633	19.691	ug/l	99
31) Cyclohexane	7.63	56	103349	18.579	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	123293	18.911	ug/l	98
36) 1,1-Dichloropropene	7.77	75	96310	17.539	ug/l	99
37) Ethyl Acetate	6.91	43	120034	21.064	ug/l	99
38) Carbon Tetrachloride	7.75	117	95255	17.257	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	96547	18.230	ug/l	98
40) Benzene	8.02	78	313449	18.689	ug/l	100
41) Methacrylonitrile	7.16	41	53229	19.115	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	134472	19.108	ug/l	99
43) Isopropyl Acetate	8.16	43	274450	25.788	ug/l #	82
44) Trichloroethene	8.82	130	75813	18.472	ug/l	98
45) 1,2-Dichloropropane	9.11	63	100493	20.064	ug/l	96
46) Dibromomethane	9.20	93	57956	19.032	ug/l	97
47) Bromodichloromethane	9.39	83	115589	18.119	ug/l	96
48) Methyl methacrylate	9.19	41	94424	19.541	ug/l	99
49) 1,4-Dioxane	9.21	88	14208	179.087	ug/l	91
51) 4-Methyl-2-Pentanone	9.99	43	598823	105.932	ug/l	99
52) Toluene	10.15	92	191813	18.249	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	121468	18.588	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	133887	18.557	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	93523	20.050	ug/l	98
56) Ethyl methacrylate	10.43	69	128162	19.043	ug/l	99
57) 1,3-Dichloropropane	10.71	76	156995	19.578	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	357632	111.560	ug/l	99
59) 2-Hexanone	10.76	43	417910	99.541	ug/l	100
60) Dibromochloromethane	10.90	129	80452	17.928	ug/l	99
61) 1,2-Dibromoethane	11.00	107	83339	19.279	ug/l	98
64) Tetrachloroethene	10.63	164	61238	19.357	ug/l	97
65) Chlorobenzene	11.44	112	220315	19.300	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	81410	19.668	ug/l	99
67) Ethyl Benzene	11.51	91	396162	20.254	ug/l	100
68) m/p-Xylenes	11.62	106	278030	37.741	ug/l	96
69) o-Xylene	11.95	106	139766	19.295	ug/l	98
70) Styrene	11.97	104	243236	19.489	ug/l	99
71) Bromoform	12.13	173	46922	17.786	ug/l #	96
73) Isopropylbenzene	12.26	105	397724	21.799	ug/l	99
74) N-amyl acetate	12.08	43	172347	22.580	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	133701	21.883	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	118733m	22.761	ug/l	
77) Bromobenzene	12.53	156	94283	20.544	ug/l	100
78) n-propylbenzene	12.60	91	455713	21.980	ug/l	98
79) 2-Chlorotoluene	12.68	91	271640	20.964	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	335947	21.775	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.31	75	28381	20.100	ug/l	90
82) 4-Chlorotoluene	12.78	91	279806	20.543	ug/l	98
83) tert-Butylbenzene	13.00	119	295374	21.468	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	326525	21.267	ug/l	99
85) sec-Butylbenzene	13.18	105	388799	21.610	ug/l	99
86) p-Isopropyltoluene	13.30	119	341522	21.352	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	172899	20.626	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	168924	19.739	ug/l	98
89) n-Butylbenzene	13.62	91	309856	20.433	ug/l	99
90) Hexachloroethane	13.89	117	49669	19.532	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	179943	21.400	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	23990	21.810	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	113861	21.194	ug/l	98
94) Hexachlorobutadiene	15.02	225	51731	19.922	ug/l	96
95) Naphthalene	15.14	128	942527	67.696	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	111668	21.991	ug/l	99

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

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