

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058168.D
 Acq On : 18 Sep 2019 17:36
 Operator : JC/SP
 Sample : VN0918WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 1:43:53 PM

Quant Time: Sep 19 15:39:38 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	518221	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	874181	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	798478	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	379799	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	382271	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	
35) Dibromofluoromethane	7.57	113	272708	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
50) Toluene-d8	10.09	98	1080173	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	
62) 4-Bromofluorobenzene	12.40	95	387007	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	80485	18.906	ug/l	98
3) Chloromethane	2.04	50	68976	20.409	ug/l	99
4) Vinyl Chloride	2.17	62	73588	19.964	ug/l	100
5) Bromomethane	2.55	94	39623	21.281	ug/l	95
6) Chloroethane	2.69	64	48959	20.258	ug/l	97
7) Trichlorofluoromethane	3.00	101	108534	18.678	ug/l	100
8) Diethyl Ether	3.39	74	51020	19.163	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.74	101	78421	18.719	ug/l	99
10) Methyl Iodide	3.94	142	67054	19.101	ug/l #	96
11) Tert butyl alcohol	4.76	59	91109	106.116	ug/l	99
12) 1,1-Dichloroethene	3.72	96	63940	19.897	ug/l	97
13) Acrolein	3.58	56	17669	138.866	ug/l	99
14) Allyl chloride	4.30	41	129262	18.856	ug/l	99
15) Acrylonitrile	4.96	53	244166	106.740	ug/l	99
16) Acetone	3.79	43	221141	90.261	ug/l	97
17) Carbon Disulfide	4.03	76	81060	18.286	ug/l	96
18) Methyl Acetate	4.30	43	129912	20.151	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	323893	20.498	ug/l	98
20) Methylene Chloride	4.53	84	88286	20.451	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	69205	19.732	ug/l	99
22) Diisopropyl ether	5.93	45	339868	19.517	ug/l	95
23) Vinyl Acetate	5.87	43	1243758	104.381	ug/l	99
24) 1,1-Dichloroethane	5.83	63	178625	19.219	ug/l	98
25) 2-Butanone	6.82	43	339365	101.672	ug/l	100
26) 2,2-Dichloropropane	6.81	77	138488	17.564	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	102938	19.588	ug/l	99
28) Bromochloromethane	7.18	49	96908	22.041	ug/l	99
29) Tetrahydrofuran	7.19	42	210242	102.257	ug/l	99
30) Chloroform	7.36	83	193804	19.372	ug/l	100
31) Cyclohexane	7.64	56	121105	18.644	ug/l #	90
32) 1,1,1-Trichloroethane	7.55	97	149511	19.631	ug/l	99
36) 1,1-Dichloropropene	7.78	75	113211	17.958	ug/l	99
37) Ethyl Acetate	6.91	43	136730	20.899	ug/l	98
38) Carbon Tetrachloride	7.76	117	117239	18.500	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	113399	18.649	ug/l	96
40) Benzene	8.03	78	368111	19.118	ug/l	99
41) Methacrylonitrile	7.16	41	68729	21.384	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	155954	19.302	ug/l	100
43) Isopropyl Acetate	8.15	43	263263	21.546	ug/l #	88
44) Trichloroethene	8.82	130	88515	18.785	ug/l	97
45) 1,2-Dichloropropane	9.11	63	116425	20.247	ug/l	99
46) Dibromomethane	9.20	93	70683	20.218	ug/l	97
47) Bromodichloromethane	9.39	83	143209	19.553	ug/l	96
48) Methyl methacrylate	9.19	41	110714	19.957	ug/l	98
49) 1,4-Dioxane	9.19	88	38600	423.790	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	745092	114.808	ug/l	99
52) Toluene	10.15	92	234340	19.419	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	142993	19.059	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	157992	19.074	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	109919	20.526	ug/l	98
56) Ethyl methacrylate	10.43	69	158075	20.459	ug/l	99
57) 1,3-Dichloropropane	10.71	76	180644	19.622	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.69	63	386833	105.107	ug/l	100
59) 2-Hexanone	10.75	43	526163	109.163	ug/l	99
60) Dibromochloromethane	10.90	129	99916	19.394	ug/l	100
61) 1,2-Dibromoethane	11.00	107	99851	20.120	ug/l	100
64) Tetrachloroethene	10.63	164	71693	18.419	ug/l	98
65) Chlorobenzene	11.43	112	271857	19.357	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	100325	19.700	ug/l	99
67) Ethyl Benzene	11.51	91	480487	19.966	ug/l	100
68) m/p-Xylenes	11.62	106	348452	38.445	ug/l	97
69) o-Xylene	11.95	106	172496	19.355	ug/l	99
70) Styrene	11.97	104	305500	19.895	ug/l	100
71) Bromoform	12.13	173	62574	18.976	ug/l #	97
73) Isopropylbenzene	12.25	105	496052	20.866	ug/l	99
74) N-amyl acetate	12.07	43	214151	21.533	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	167806	21.079	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	151948m	22.354	ug/l	
77) Bromobenzene	12.53	156	117238	19.605	ug/l	99
78) n-propylbenzene	12.60	91	574896	21.281	ug/l	100
79) 2-Chlorotoluene	12.68	91	343516	20.347	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	422915	21.038	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	37474	20.291	ug/l	93
82) 4-Chlorotoluene	12.78	91	354899	19.998	ug/l	99
83) tert-Butylbenzene	13.00	119	373374	20.827	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	426381	21.313	ug/l	100
85) sec-Butylbenzene	13.18	105	499639	21.313	ug/l	100
86) p-Isopropyltoluene	13.29	119	439353	21.081	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	217627	19.925	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	222047	19.913	ug/l	99
89) n-Butylbenzene	13.62	91	393764	19.928	ug/l	99
90) Hexachloroethane	13.88	117	65872	19.829	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	221412	20.209	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	28763	20.069	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	133992	19.141	ug/l	98
94) Hexachlorobutadiene	15.02	225	65791	19.445	ug/l	95
95) Naphthalene	15.13	128	372856	20.553	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	130065	19.658	ug/l	99

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

