

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
 Data File : VN057818.D
 Acq On : 9 Sep 2019 22:03
 Operator : JC/SP
 Sample : VN0910WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 5:16:19 AM

Quant Time: Sep 10 07:50:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	308562	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	508951	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	475030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	269857	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	319962	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
35) Dibromofluoromethane	7.58	113	228265	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
50) Toluene-d8	10.09	98	932683	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
62) 4-Bromofluorobenzene	12.40	95	318266	45.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	87357	20.471	ug/l	99
3) Chloromethane	2.03	50	84823	19.503	ug/l	99
4) Vinyl Chloride	2.16	62	90410	19.641	ug/l	100
5) Bromomethane	2.54	94	55561	21.085	ug/l	93
6) Chloroethane	2.68	64	56897	19.398	ug/l	99
7) Trichlorofluoromethane	2.99	101	112321	19.390	ug/l	100
8) Diethyl Ether	3.39	74	46749	19.349	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	70893	19.400	ug/l	99
10) Methyl Iodide	3.93	142	76096	18.713	ug/l	99
11) Tert butyl alcohol	4.77	59	69306	91.625	ug/l	99
12) 1,1-Dichloroethene	3.71	96	60432	18.393	ug/l	97
13) Acrolein	3.59	56	60520	94.307	ug/l	96
14) Allyl chloride	4.30	41	116058	18.049	ug/l	99
15) Acrylonitrile	4.96	53	203495	97.878	ug/l	99
16) Acetone	3.80	43	166874	81.451	ug/l	97
17) Carbon Disulfide	4.03	76	91915	18.076	ug/l	97
18) Methyl Acetate	4.31	43	110591	20.245	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	278315	20.354	ug/l	98
20) Methylene Chloride	4.53	84	84385	20.920	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	67473	18.997	ug/l	98
22) Diisopropyl ether	5.93	45	300306	19.916	ug/l	96
23) Vinyl Acetate	5.88	43	1079492	101.015	ug/l	100
24) 1,1-Dichloroethane	5.82	63	163539	19.844	ug/l	100
25) 2-Butanone	6.82	43	275184	92.802	ug/l	99
26) 2,2-Dichloropropane	6.81	77	107808	16.530	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	92057	19.340	ug/l	100
28) Bromochloromethane	7.18	49	82307	19.991	ug/l	96
29) Tetrahydrofuran	7.20	42	181133	99.131	ug/l	98
30) Chloroform	7.36	83	166983	19.379	ug/l	100
31) Cyclohexane	7.64	56	121130	20.238	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	129260	18.914	ug/l	99
36) 1,1-Dichloropropene	7.78	75	108580	18.396	ug/l	99
37) Ethyl Acetate	6.91	43	113121	18.549	ug/l	99
38) Carbon Tetrachloride	7.76	117	100520	18.653	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	112366	18.109	ug/l	97
40) Benzene	8.03	78	340454	19.159	ug/l	99
41) Methacrylonitrile	7.16	41	60385	21.813	ug/l	88
42) 1,2-Dichloroethane	8.11	62	138420	19.477	ug/l	100
43) Isopropyl Acetate	8.15	43	192928	18.812	ug/l #	89
44) Trichloroethene	8.83	130	81801	18.768	ug/l	100
45) 1,2-Dichloropropane	9.11	63	98939	19.134	ug/l	100
46) Dibromomethane	9.20	93	61467	19.671	ug/l	98
47) Bromodichloromethane	9.40	83	119103	19.088	ug/l	98
48) Methyl methacrylate	9.19	41	94682	18.200	ug/l	96
49) 1,4-Dioxane	9.19	88	32233	366.390	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	615266	101.381	ug/l	100
52) Toluene	10.15	92	216786	19.369	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	116796	17.775	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	132287	18.235	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	93598	19.742	ug/l	99
56) Ethyl methacrylate	10.43	69	136140	19.069	ug/l	99
57) 1,3-Dichloropropane	10.71	76	160870	19.689	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	333258	99.107	ug/l	100
59) 2-Hexanone	10.75	43	435008	95.630	ug/l	100
60) Dibromochloromethane	10.90	129	81148	18.432	ug/l	99
61) 1,2-Dibromoethane	11.00	107	85722	19.125	ug/l	98
64) Tetrachloroethene	10.63	164	68090	19.413	ug/l	96
65) Chlorobenzene	11.43	112	240476	19.343	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	83267	19.303	ug/l	99
67) Ethyl Benzene	11.51	91	430525	19.760	ug/l	98
68) m/p-Xylenes	11.62	106	311820	39.072	ug/l	100
69) o-Xylene	11.95	106	155366	19.582	ug/l	98
70) Styrene	11.97	104	267647	19.602	ug/l	99
71) Bromoform	12.13	173	47151	17.532	ug/l #	98
73) Isopropylbenzene	12.25	105	431417	20.602	ug/l	100
74) N-amyl acetate	12.07	43	177575	19.486	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	140434	19.918	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	114233m	18.713	ug/l	
77) Bromobenzene	12.53	156	100469	19.244	ug/l	95
78) n-propylbenzene	12.59	91	496253	20.638	ug/l	99
79) 2-Chlorotoluene	12.68	91	294742	19.394	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	360304	20.364	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	27045	15.590	ug/l	84
82) 4-Chlorotoluene	12.78	91	304952	19.540	ug/l	99
83) tert-Butylbenzene	13.00	119	315767	20.077	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	363972	20.240	ug/l	98
85) sec-Butylbenzene	13.18	105	419847	20.141	ug/l	99
86) p-Isopropyltoluene	13.29	119	370222	20.157	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	181906	18.983	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	180817	18.589	ug/l	98
89) n-Butylbenzene	13.62	91	335285	19.330	ug/l	100
90) Hexachloroethane	13.88	117	50621	18.532	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	182252	19.037	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	20904	17.953	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	107165	17.126	ug/l	99
94) Hexachlorobutadiene	15.01	225	48974	18.463	ug/l	97
95) Naphthalene	15.13	128	310128	18.646	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	105872	19.992	ug/l	96

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

