

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091319\
 Data File : VN057966.D
 Acq On : 12 Sep 2019 13:26
 Operator : JC/SP
 Sample : VN0913WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 1:05:38 PM

Quant Time: Sep 13 05:34:42 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	306489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	498148	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	473374	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	271482	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	320854	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	
35) Dibromofluoromethane	7.58	113	222132	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
50) Toluene-d8	10.09	98	916891	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
62) 4-Bromofluorobenzene	12.40	95	319996	47.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	86996	20.525	ug/l	97
3) Chloromethane	2.03	50	79232	18.341	ug/l	97
4) Vinyl Chloride	2.16	62	85422	18.683	ug/l	99
5) Bromomethane	2.54	94	44985	16.897	ug/l	97
6) Chloroethane	2.68	64	53075	18.217	ug/l	100
7) Trichlorofluoromethane	2.99	101	109193	18.977	ug/l	99
8) Diethyl Ether	3.39	74	46114	19.215	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	72031	19.845	ug/l	99
10) Methyl Iodide	3.92	142	67964	16.826	ug/l	98
11) Tert butyl alcohol	4.77	59	78889	104.999	ug/l	100
12) 1,1-Dichloroethene	3.71	96	62026	19.006	ug/l	97
13) Acrolein	3.59	56	43665	68.502	ug/l	99
14) Allyl chloride	4.30	41	115225	18.041	ug/l	99
15) Acrylonitrile	4.96	53	207260	100.363	ug/l	99
16) Acetone	3.80	43	182834	89.845	ug/l	95
17) Carbon Disulfide	4.03	76	85367	16.912	ug/l	99
18) Methyl Acetate	4.30	43	120089	22.133	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	273954	20.171	ug/l	99
20) Methylene Chloride	4.53	84	82933	20.686	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	65663	18.612	ug/l	93
22) Diisopropyl ether	5.93	45	300730	20.079	ug/l	95
23) Vinyl Acetate	5.88	43	1081867	101.922	ug/l	99
24) 1,1-Dichloroethane	5.82	63	163645	19.992	ug/l	99
25) 2-Butanone	6.82	43	293353	99.598	ug/l	99
26) 2,2-Dichloropropane	6.81	77	111750	17.251	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	90990	19.245	ug/l	99
28) Bromochloromethane	7.18	49	83751	20.480	ug/l	96
29) Tetrahydrofuran	7.20	42	184103	101.438	ug/l	99
30) Chloroform	7.36	83	170064	19.870	ug/l	98
31) Cyclohexane	7.64	56	117650	19.738	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	130384	19.208	ug/l	98
36) 1,1-Dichloropropene	7.78	75	106178	18.379	ug/l	99
37) Ethyl Acetate	6.91	43	116929	19.590	ug/l	99
38) Carbon Tetrachloride	7.76	117	103970	19.712	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	107673	17.729	ug/l	93
40) Benzene	8.03	78	345006	19.836	ug/l	98
41) Methacrylonitrile	7.17	41	58942m	21.754	ug/l	
42) 1,2-Dichloroethane	8.11	62	138662	19.934	ug/l	100
43) Isopropyl Acetate	8.15	43	211409	21.061	ug/l #	87
44) Trichloroethene	8.83	130	80742	18.927	ug/l	95
45) 1,2-Dichloropropane	9.11	63	103184	20.388	ug/l	98
46) Dibromomethane	9.20	93	61990	20.269	ug/l	99
47) Bromodichloromethane	9.40	83	122840	20.114	ug/l	98
48) Methyl methacrylate	9.19	41	98163	19.279	ug/l	98
49) 1,4-Dioxane	9.19	88	34665	402.580	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	652483	109.845	ug/l	99
52) Toluene	10.15	92	211956	19.348	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	120957	18.808	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	135697	19.111	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	95024	20.478	ug/l	98
56) Ethyl methacrylate	10.43	69	138440	19.811	ug/l	98
57) 1,3-Dichloropropane	10.71	76	164939	20.625	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	334863	101.744	ug/l	99
59) 2-Hexanone	10.75	43	460071	103.333	ug/l	99
60) Dibromochloromethane	10.90	129	82104	19.054	ug/l	100
61) 1,2-Dibromoethane	11.01	107	88312	20.130	ug/l	98
64) Tetrachloroethene	10.63	164	66065	18.902	ug/l	96
65) Chlorobenzene	11.44	112	242349	19.562	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	82938	19.294	ug/l	98
67) Ethyl Benzene	11.51	91	430195	19.814	ug/l	98
68) m/p-Xylenes	11.62	106	311898	39.218	ug/l	100
69) o-Xylene	11.95	106	155597	19.680	ug/l	98
70) Styrene	11.97	104	270642	19.890	ug/l	100
71) Bromoform	12.13	173	48580	18.126	ug/l #	98
73) Isopropylbenzene	12.25	105	435192	20.658	ug/l	100
74) N-amyl acetate	12.07	43	183606	20.027	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	143896	20.287	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	131941m	21.484	ug/l	
77) Bromobenzene	12.53	156	102004	19.421	ug/l	98
78) n-propylbenzene	12.60	91	500444	20.688	ug/l	99
79) 2-Chlorotoluene	12.68	91	301256	19.704	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	363267	20.409	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	29085	16.666	ug/l	85
82) 4-Chlorotoluene	12.78	91	309060	19.684	ug/l	100
83) tert-Butylbenzene	13.00	119	321284	20.306	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	366092	20.237	ug/l	99
85) sec-Butylbenzene	13.18	105	430208	20.514	ug/l	99
86) p-Isopropyltoluene	13.30	119	380230	20.578	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	186357	19.331	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	186132	19.021	ug/l	99
89) n-Butylbenzene	13.62	91	342852	19.648	ug/l	100
90) Hexachloroethane	13.88	117	52869	19.239	ug/l	95
91) 1,2-Dichlorobenzene	13.66	146	189168	19.641	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	23443	20.013	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	110151	17.498	ug/l	98
94) Hexachlorobutadiene	15.01	225	49280	18.467	ug/l	99
95) Naphthalene	15.13	128	318703	19.082	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	105545	19.820	ug/l	100

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

