

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091719\
 Data File : VN058143.D
 Acq On : 17 Sep 2019 12:49
 Operator : JC/SP
 Sample : VN0917WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 4:41:41 PM

Quant Time: Sep 18 03:55:20 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	322931	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	518637	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	482784	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	292577	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	353708	54.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.16%	
35) Dibromofluoromethane	7.57	113	253924	53.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.10%	
50) Toluene-d8	10.08	98	983480	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	
62) 4-Bromofluorobenzene	12.40	95	368098	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	92378	20.685	ug/l	98
3) Chloromethane	2.04	50	76877	16.889	ug/l	97
4) Vinyl Chloride	2.17	62	82498	17.125	ug/l	98
5) Bromomethane	2.55	94	31178	10.577	ug/l	99
6) Chloroethane	2.69	64	51845	16.889	ug/l	99
7) Trichlorofluoromethane	3.00	101	115613	19.070	ug/l	100
8) Diethyl Ether	3.39	74	53423	21.128	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	82926	21.683	ug/l	98
10) Methyl Iodide	3.93	142	43132	10.135	ug/l	98
11) Tert butyl alcohol	4.76	59	84608	106.878	ug/l	99
12) 1,1-Dichloroethene	3.72	96	70215	20.419	ug/l	98
13) Acrolein	3.59	56	21208	31.577	ug/l	100
14) Allyl chloride	4.30	41	136337	20.260	ug/l	99
15) Acrylonitrile	4.97	53	238104	109.429	ug/l	99
16) Acetone	3.79	43	211732	98.748	ug/l	98
17) Carbon Disulfide	4.03	76	90695	17.051	ug/l	98
18) Methyl Acetate	4.30	43	139755	24.446	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	322322	22.524	ug/l	99
20) Methylene Chloride	4.53	84	92958	22.086	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	74234	19.970	ug/l	99
22) Diisopropyl ether	5.93	45	356972	22.620	ug/l	96
23) Vinyl Acetate	5.87	43	1275170	114.016	ug/l	98
24) 1,1-Dichloroethane	5.83	63	188924	21.905	ug/l	99
25) 2-Butanone	6.82	43	331044	106.673	ug/l	97
26) 2,2-Dichloropropane	6.81	77	141138	20.678	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	106849	21.449	ug/l	98
28) Bromochloromethane	7.18	49	91328	21.195	ug/l	93
29) Tetrahydrofuran	7.19	42	208119	108.831	ug/l	100
30) Chloroform	7.36	83	199157	22.084	ug/l	96
31) Cyclohexane	7.64	56	129005	20.636	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	153760	21.498	ug/l	98
36) 1,1-Dichloropropene	7.78	75	123798	20.582	ug/l	99
37) Ethyl Acetate	6.91	43	134957	21.717	ug/l	99
38) Carbon Tetrachloride	7.76	117	120408	21.926	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	122188	19.325	ug/l	99
40) Benzene	8.03	78	387733	21.412	ug/l	97
41) Methacrylonitrile	7.16	41	64797m	22.970	ug/l	
42) 1,2-Dichloroethane	8.11	62	159719	22.054	ug/l	99
43) Isopropyl Acetate	8.15	43	266283	25.480	ug/l #	86
44) Trichloroethene	8.82	130	94049	21.175	ug/l	97
45) 1,2-Dichloropropane	9.11	63	119263	22.634	ug/l	98
46) Dibromomethane	9.20	93	70654	22.189	ug/l	98
47) Bromodichloromethane	9.40	83	145100	22.820	ug/l	97
48) Methyl methacrylate	9.19	41	116751	22.023	ug/l	98
49) 1,4-Dioxane	9.19	88	36175	403.519	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	738423	119.402	ug/l	99
52) Toluene	10.15	92	243112	21.315	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	149729	22.362	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	163255	22.084	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	112185	23.221	ug/l	97
56) Ethyl methacrylate	10.43	69	163055	22.412	ug/l	99
57) 1,3-Dichloropropane	10.71	76	187293	22.495	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	354432	103.435	ug/l	99
59) 2-Hexanone	10.75	43	521051	112.406	ug/l	100
60) Dibromochloromethane	10.90	129	100049	22.301	ug/l	98
61) 1,2-Dibromoethane	11.00	107	101624	22.250	ug/l	99
64) Tetrachloroethene	10.63	164	76126	21.356	ug/l	97
65) Chlorobenzene	11.43	112	279253	22.102	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	100879	23.010	ug/l	99
67) Ethyl Benzene	11.51	91	498838	22.528	ug/l	100
68) m/p-Xylenes	11.62	106	364693	44.963	ug/l	99
69) o-Xylene	11.95	106	182039	22.576	ug/l	98
70) Styrene	11.97	104	315427	22.730	ug/l	99
71) Bromoform	12.13	173	60895	22.278	ug/l #	100
73) Isopropylbenzene	12.25	105	506774	22.322	ug/l	99
74) N-amyl acetate	12.07	43	208552	21.108	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	167971	21.974	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	149014m	22.514	ug/l	
77) Bromobenzene	12.53	156	120668	21.318	ug/l	96
78) n-propylbenzene	12.60	91	586487	22.497	ug/l	99
79) 2-Chlorotoluene	12.68	91	353751	21.469	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	433419	22.594	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	35359	18.800	ug/l #	83
82) 4-Chlorotoluene	12.78	91	367676	21.729	ug/l	100
83) tert-Butylbenzene	13.00	119	379716	22.269	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	433681	22.244	ug/l	99
85) sec-Butylbenzene	13.18	105	505391	22.362	ug/l	99
86) p-Isopropyltoluene	13.29	119	450816	22.639	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	224376	21.596	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	226341	21.462	ug/l	99
89) n-Butylbenzene	13.62	91	408661	21.731	ug/l	99
90) Hexachloroethane	13.88	117	61989	20.931	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	229475	22.108	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	28114	22.271	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	146706	21.624	ug/l	100
94) Hexachlorobutadiene	15.02	225	64751	22.515	ug/l	98
95) Naphthalene	15.13	128	422590	23.852	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	138175	23.862	ug/l	99

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

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