

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081519\
 Data File : VN057298.D
 Acq On : 14 Aug 2019 20:17
 Operator : JC/SP
 Sample : VN0815WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD01

Manual Integrations
 APPROVED

MMdadoda
 8/19/2019 1:53:23 AM

Quant Time: Aug 15 08:40:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 08:22:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	955697	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1434955	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1283288	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	450265	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	510775	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
35) Dibromofluoromethane	7.58	113	459223	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
50) Toluene-d8	10.09	98	1710957	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
62) 4-Bromofluorobenzene	12.40	95	549572	45.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.40%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.85	85	157702	19.176	ug/l	97
3) Chloromethane	2.06	50	200037	20.608	ug/l	97
4) Vinyl Chloride	2.18	62	186173	20.387	ug/l	98
5) Bromomethane	2.54	94	143465m	22.039	ug/l	
6) Chloroethane	2.69	64	127250	20.258	ug/l	98
7) Trichlorofluoromethane	3.02	101	282978	19.755	ug/l	98
8) Diethyl Ether	3.40	74	111652	20.709	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	169740	20.169	ug/l	99
10) Methyl Iodide	3.95	142	264264	19.645	ug/l	99
11) Tert butyl alcohol	4.76	59	143587	97.214	ug/l	99
12) 1,1-Dichloroethene	3.73	96	169666	20.234	ug/l	98
13) Acrolein	3.60	56	82289	91.774	ug/l	97
14) Allyl chloride	4.31	41	245937	18.297	ug/l	93
15) Acrylonitrile	4.97	53	407846	101.708	ug/l	99
16) Acetone	3.80	43	305384	84.733	ug/l	99
17) Carbon Disulfide	4.05	76	449690	19.906	ug/l	100
18) Methyl Acetate	4.31	43	204226	19.743	ug/l	99
19) Methyl tert-butyl Ether	5.03	73	524606	19.939	ug/l	100
20) Methylene Chloride	4.54	84	199854	19.819	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	181171	20.091	ug/l	100
22) Diisopropyl ether	5.94	45	547766	20.630	ug/l	98
23) Vinyl Acetate	5.88	43	2157684	100.971	ug/l	99
24) 1,1-Dichloroethane	5.84	63	329922	20.196	ug/l	99
25) 2-Butanone	6.82	43	506266	97.003	ug/l	98
26) 2,2-Dichloropropane	6.81	77	240218	18.195	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	213129	19.964	ug/l	99
28) Bromochloromethane	7.18	49	155653	21.445	ug/l	98
29) Tetrahydrofuran	7.20	42	328118	99.342	ug/l	100
30) Chloroform	7.36	83	339159	19.812	ug/l	96
31) Cyclohexane	7.65	56	288453	20.376	ug/l	98
32) 1,1,1-Trichloroethane	7.56	97	292017	20.281	ug/l	97
36) 1,1-Dichloropropene	7.79	75	252779	19.951	ug/l	98
37) Ethyl Acetate	6.91	43	209558	20.194	ug/l	99
38) Carbon Tetrachloride	7.77	117	253528	19.259	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	288997	19.535	ug/l	99
40) Benzene	8.03	78	761304	19.646	ug/l	99
41) Methacrylonitrile	7.16	41	96563m	20.663	ug/l	
42) 1,2-Dichloroethane	8.12	62	248931	19.409	ug/l	99
43) Isopropyl Acetate	8.16	43	363158	17.920	ug/l	98
44) Trichloroethene	8.83	130	216122	19.837	ug/l	100
45) 1,2-Dichloropropane	9.11	63	198433	19.866	ug/l	100
46) Dibromomethane	9.20	93	130536	19.589	ug/l	99
47) Bromodichloromethane	9.40	83	254708	19.292	ug/l	99
48) Methyl methacrylate	9.19	41	165594	19.378	ug/l	98
49) 1,4-Dioxane	9.19	88	69372	386.037	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1037917	96.952	ug/l	99
52) Toluene	10.15	92	487213	20.199	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	275998	19.326	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	306762	19.479	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	188541	19.879	ug/l	99
56) Ethyl methacrylate	10.43	69	277437	20.044	ug/l	99
57) 1,3-Dichloropropane	10.70	76	309827	19.554	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	293813	83.443	ug/l	100
59) 2-Hexanone	10.75	43	733400	95.291	ug/l	99
60) Dibromochloromethane	10.90	129	209678	19.727	ug/l	98
61) 1,2-Dibromoethane	11.00	107	200250	19.820	ug/l	99
64) Tetrachloroethene	10.63	164	217060	19.566	ug/l	99
65) Chlorobenzene	11.43	112	520201	19.875	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	197688	19.722	ug/l	99
67) Ethyl Benzene	11.51	91	908440	19.839	ug/l	99
68) m/p-Xylenes	11.62	106	674912	40.004	ug/l	99
69) o-Xylene	11.95	106	333992	20.162	ug/l	99
70) Styrene	11.96	104	521614	19.754	ug/l	99
71) Bromoform	12.13	173	155055	19.608	ug/l #	100
73) Isopropylbenzene	12.25	105	890121	23.032	ug/l	99
74) N-amyl acetate	12.07	43	265677	20.334	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	254692	23.035	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	207794m	22.411	ug/l	
77) Bromobenzene	12.53	156	229973	22.648	ug/l	99
78) n-propylbenzene	12.59	91	874588	20.171	ug/l	99
79) 2-Chlorotoluene	12.68	91	563950	22.491	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	721283	22.536	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	72198	19.552	ug/l	96
82) 4-Chlorotoluene	12.77	91	505430	19.671	ug/l	99
83) tert-Butylbenzene	12.99	119	654299	22.939	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	675153	20.818	ug/l	99
85) sec-Butylbenzene	13.17	105	771072	21.783	ug/l	100
86) p-Isopropyltoluene	13.29	119	663222	19.974	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	314803	19.955	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	294457	19.662	ug/l	99
89) n-Butylbenzene	13.62	91	507087	21.422	ug/l	100
90) Hexachloroethane	13.88	117	131120	21.910	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	305512	20.774	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28776	17.922	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	80831	17.628	ug/l	98
94) Hexachlorobutadiene	15.01	225	135741	21.497	ug/l	97
95) Naphthalene	15.13	128	160717	21.891	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	78064	21.685	ug/l	98

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

