

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050643.D
 Acq On : 15 Aug 2018 10:17
 Operator : MD\SY
 Sample : VN0815WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/16/2018 1:18:32 PM

Quant Time: Aug 16 02:02:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	643532	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	921356	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	842454	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	408331	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	409402	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
35) Dibromofluoromethane	7.59	113	378095	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	
50) Toluene-d8	10.09	98	1437739	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
62) 4-Bromofluorobenzene	12.40	95	452189	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	142611	19.66	ug/l	99
3) Chloromethane	2.06	50	185622	20.70	ug/l	97
4) Vinyl Chloride	2.18	62	187816	19.49	ug/l	98
5) Bromomethane	2.56	94	109337	19.85	ug/l	98
6) Chloroethane	2.70	64	115929	20.72	ug/l	98
7) Trichlorofluoromethane	3.01	101	245464	19.41	ug/l	100
8) Diethyl Ether	3.41	74	87272	20.75	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	150623	19.70	ug/l	98
10) Methyl Iodide	3.95	142	111610	24.63	ug/l	99
11) Tert butyl alcohol	4.79	59	48671	109.88	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	137227	19.65	ug/l	98
13) Acrolein	3.61	56	14601	79.69	ug/l	99
14) Allyl chloride	4.33	41	219225	20.18	ug/l	99
15) Acrylonitrile	4.99	53	258592	106.30	ug/l	99
16) Acetone	3.82	43	235253	115.37	ug/l	100
17) Carbon Disulfide	4.05	76	426390	19.40	ug/l	100
18) Methyl Acetate	4.33	43	124598	21.30	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	376194	21.17	ug/l	99
20) Methylene Chloride	4.55	84	167971	21.05	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	150851	19.93	ug/l	96
22) Diisopropyl ether	5.95	45	486404	21.84	ug/l	96
23) Vinyl Acetate	5.90	43	1571888	107.90	ug/l	99
24) 1,1-Dichloroethane	5.85	63	285002	19.78	ug/l	99
25) 2-Butanone	6.84	43	359096	107.97	ug/l	100
26) 2,2-Dichloropropane	6.82	77	229496	23.79	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	170304	20.20	ug/l	97
28) Bromochloromethane	7.19	49	130148	19.85	ug/l	99
29) Tetrahydrofuran	7.22	42	187727	108.10	ug/l	100
30) Chloroform	7.37	83	289672	19.84	ug/l	99
31) Cyclohexane	7.66	56	253904	20.44	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	240144	19.54	ug/l	99
36) 1,1-Dichloropropene	7.80	75	216787	21.14	ug/l	100
37) Ethyl Acetate	6.93	43	128910	22.24	ug/l	99
38) Carbon Tetrachloride	7.77	117	216911	20.39	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	223970	21.09	ug/l	98
40) Benzene	8.04	78	670262	21.48	ug/l	98
41) Methacrylonitrile	7.18	41	63385	20.22	ug/l	93
42) 1,2-Dichloroethane	8.13	62	203629	21.29	ug/l	99
43) Isopropyl Acetate	8.17	43	221288	20.94	ug/l #	85
44) Trichloroethene	8.84	130	171608	20.53	ug/l	98
45) 1,2-Dichloropropane	9.12	63	176046	21.19	ug/l	100
46) Dibromomethane	9.21	93	104877	21.38	ug/l	97
47) Bromodichloromethane	9.40	83	219042	20.89	ug/l	99
48) Methyl methacrylate	9.20	41	114806	21.59	ug/l	98
49) 1,4-Dioxane	9.20	88	30932	441.66	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	807123	112.96	ug/l	100
52) Toluene	10.16	92	411152	22.07	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	212309	21.74	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	249811	22.30	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	151326	21.74	ug/l	98
56) Ethyl methacrylate	10.43	69	173935	20.75	ug/l	99
57) 1,3-Dichloropropane	10.71	76	248788	21.80	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	376897	95.35	ug/l	100
59) 2-Hexanone	10.75	43	527224	114.32	ug/l	100
60) Dibromochloromethane	10.90	129	164338	21.40	ug/l	100
61) 1,2-Dibromoethane	11.01	107	145146	21.90	ug/l	99
64) Tetrachloroethene	10.63	164	162092	20.72	ug/l	99
65) Chlorobenzene	11.44	112	440192	21.00	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	167986	21.37	ug/l	99
67) Ethyl Benzene	11.51	91	729092	21.54	ug/l	100
68) m/p-Xylenes	11.62	106	574357	44.36	ug/l	100
69) o-Xylene	11.95	106	272270	22.05	ug/l	99
70) Styrene	11.96	104	440502	20.63	ug/l	99
71) Bromoform	12.13	173	111704	21.43	ug/l #	99
73) Isopropylbenzene	12.25	105	709623	22.24	ug/l	100
74) N-amyl acetate	12.07	43	180953	21.80	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	184596	23.70	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	144643m	21.34	ug/l	
77) Bromobenzene	12.53	156	185372	21.40	ug/l	98
78) n-propylbenzene	12.59	91	810145	22.77	ug/l	99
79) 2-Chlorotoluene	12.68	91	494878	22.31	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	588222	23.03	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	42385	23.08	ug/l	96
82) 4-Chlorotoluene	12.77	91	495527	22.61	ug/l	100
83) tert-Butylbenzene	12.99	119	487769	22.00	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	594397	23.18	ug/l	100
85) sec-Butylbenzene	13.17	105	655911	22.64	ug/l	99
86) p-Isopropyltoluene	13.29	119	559576	22.79	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	317152	21.51	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	308479	21.08	ug/l	99
89) n-Butylbenzene	13.62	91	423810	21.38	ug/l	99
90) Hexachloroethane	13.88	117	102736	20.81	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	301701	20.97	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24787	21.78	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	132973	19.72	ug/l	99
94) Hexachlorobutadiene	15.01	225	93481	21.19	ug/l	99
95) Naphthalene	15.13	128	255059	18.85	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	129891	20.04	ug/l	99

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

