

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050642.D
 Acq On : 15 Aug 2018 9:52
 Operator : MD\SY
 Sample : VN0815WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/16/2018 1:18:28 PM

Quant Time: Aug 16 02:00:22 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	611914	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	888137	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	807676	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	383366	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	360663	46.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.52%	
35) Dibromofluoromethane	7.59	113	336658	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	
50) Toluene-d8	10.09	98	1266946	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	
62) 4-Bromofluorobenzene	12.40	95	390206	44.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	119830	17.37	ug/l	97
3) Chloromethane	2.06	50	153179	17.90	ug/l	98
4) Vinyl Chloride	2.18	62	159801	17.44	ug/l	100
5) Bromomethane	2.57	94	90607	17.02	ug/l	97
6) Chloroethane	2.70	64	95129	17.65	ug/l	99
7) Trichlorofluoromethane	3.01	101	206930	17.21	ug/l	100
8) Diethyl Ether	3.41	74	68480	17.12	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	128983	17.74	ug/l	99
10) Methyl Iodide	3.95	142	85843	21.25	ug/l	99
11) Tert butyl alcohol	4.79	59	36282	86.15	ug/l #	72
12) 1,1-Dichloroethene	3.74	96	115159	17.34	ug/l	95
13) Acrolein	3.61	56	14311	82.46	ug/l	98
14) Allyl chloride	4.33	41	179782	17.41	ug/l	100
15) Acrylonitrile	4.99	53	199564	86.27	ug/l	98
16) Acetone	3.82	43	184502	94.90	ug/l	97
17) Carbon Disulfide	4.05	76	355817	17.03	ug/l	99
18) Methyl Acetate	4.33	43	100581	17.93	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	295774	17.50	ug/l	97
20) Methylene Chloride	4.55	84	136332	17.78	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	123719	17.19	ug/l	100
22) Diisopropyl ether	5.95	45	393036	18.56	ug/l	94
23) Vinyl Acetate	5.90	43	1227649	88.63	ug/l	100
24) 1,1-Dichloroethane	5.85	63	238429	17.40	ug/l	100
25) 2-Butanone	6.84	43	286196	90.50	ug/l	99
26) 2,2-Dichloropropane	6.83	77	196947	21.47	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	139353	17.39	ug/l	98
28) Bromochloromethane	7.20	49	117095	18.78	ug/l	100
29) Tetrahydrofuran	7.22	42	143244	86.75	ug/l	100
30) Chloroform	7.37	83	241835	17.42	ug/l	99
31) Cyclohexane	7.66	56	209353	17.68	ug/l #	93
32) 1,1,1-Trichloroethane	7.57	97	206915	17.70	ug/l	99
36) 1,1-Dichloropropene	7.80	75	180983	18.31	ug/l	99
37) Ethyl Acetate	6.94	43	101999	18.25	ug/l	97
38) Carbon Tetrachloride	7.77	117	182238	17.77	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	186506	18.22	ug/l	98
40) Benzene	8.04	78	550623	18.31	ug/l	99
41) Methacrylonitrile	7.18	41	49124	16.26	ug/l	89
42) 1,2-Dichloroethane	8.13	62	164613	17.86	ug/l	99
43) Isopropyl Acetate	8.17	43	175845	17.27	ug/l	99
44) Trichloroethene	8.84	130	144401	17.92	ug/l	98
45) 1,2-Dichloropropane	9.12	63	144370	18.03	ug/l	100
46) Dibromomethane	9.21	93	83695	17.70	ug/l	97
47) Bromodichloromethane	9.40	83	176865	17.50	ug/l	99
48) Methyl methacrylate	9.20	41	88596	17.29	ug/l	98
49) 1,4-Dioxane	9.20	88	23984	355.26	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	626181	90.91	ug/l	100
52) Toluene	10.16	92	336123	18.72	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	168682	17.92	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	199062	18.43	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	120558	17.97	ug/l	99
56) Ethyl methacrylate	10.43	69	135824	17.17	ug/l	99
57) 1,3-Dichloropropane	10.71	76	197401	17.95	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	374164	97.89	ug/l	100
59) 2-Hexanone	10.75	43	410163	92.26	ug/l	99
60) Dibromochloromethane	10.90	129	133822	18.07	ug/l	98
61) 1,2-Dibromoethane	11.01	107	115607	18.09	ug/l	99
64) Tetrachloroethene	10.63	164	133879	17.85	ug/l	99
65) Chlorobenzene	11.43	112	358083	17.81	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	135082	17.93	ug/l	100
67) Ethyl Benzene	11.51	91	586851	18.08	ug/l	99
68) m/p-Xylenes	11.62	106	460740	37.12	ug/l	99
69) o-Xylene	11.95	106	213913	18.07	ug/l	98
70) Styrene	11.96	104	345079	17.02	ug/l	100
71) Bromoform	12.13	173	88739	17.76	ug/l #	98
73) Isopropylbenzene	12.25	105	569348	19.01	ug/l	100
74) N-amyl acetate	12.07	43	135008	17.32	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	143964	19.27	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	112951m	17.57	ug/l	
77) Bromobenzene	12.53	156	145929	17.94	ug/l	99
78) n-propylbenzene	12.59	91	646671	19.36	ug/l	99
79) 2-Chlorotoluene	12.68	91	390591	18.76	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	468671	19.54	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	32741	18.99	ug/l	97
82) 4-Chlorotoluene	12.77	91	385454	18.73	ug/l	99
83) tert-Butylbenzene	12.99	119	388360	18.66	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	474448	19.71	ug/l	99
85) sec-Butylbenzene	13.17	105	523855	19.26	ug/l	100
86) p-Isopropyltoluene	13.29	119	445014	19.31	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	248346	17.94	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	241134	17.55	ug/l	99
89) n-Butylbenzene	13.62	91	335809	18.04	ug/l	98
90) Hexachloroethane	13.88	117	83939	18.11	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	240584	17.81	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18811	17.60	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	98439	16.12	ug/l	99
94) Hexachlorobutadiene	15.01	225	76813	18.55	ug/l	97
95) Naphthalene	15.13	128	178839	15.05	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	96158	16.21	ug/l	96

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

