

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073018\
 Data File : VN050181.D
 Acq On : 30 Jul 2018 12:40
 Operator : MD\SY
 Sample : VN0730WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/31/2018 3:20:22 PM

Quant Time: Jul 31 01:31:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	556624	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	855709	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	773486	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	366594	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	410197	52.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.64%	
35) Dibromofluoromethane	7.59	113	363657	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	
50) Toluene-d8	10.09	98	1283684	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
62) 4-Bromofluorobenzene	12.40	95	415743	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	152226	19.03	ug/l	98
3) Chloromethane	2.06	50	154505	17.77	ug/l	98
4) Vinyl Chloride	2.18	62	163301	17.84	ug/l	98
5) Bromomethane	2.56	94	66153	12.25	ug/l	99
6) Chloroethane	2.70	64	100089	18.20	ug/l	96
7) Trichlorofluoromethane	3.01	101	216787	18.28	ug/l	98
8) Diethyl Ether	3.41	74	79893	20.21	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	132615	18.59	ug/l	100
10) Methyl Iodide	3.95	142	83826	9.16	ug/l	99
11) Tert butyl alcohol	4.80	59	49217	86.13	ug/l #	72
12) 1,1-Dichloroethene	3.74	96	118422	18.46	ug/l	98
13) Acrolein	3.61	56	20041	43.65	ug/l	99
14) Allyl chloride	4.33	41	196171	19.72	ug/l	99
15) Acrylonitrile	4.99	53	234254	93.96	ug/l	98
16) Acetone	3.82	43	182664	97.20	ug/l	98
17) Carbon Disulfide	4.05	76	337156	17.15	ug/l	100
18) Methyl Acetate	4.33	43	168392	22.78	ug/l	99
19) Methyl tert-butyl Ether	5.06	73	348699	20.40	ug/l	99
20) Methylene Chloride	4.55	84	149048	20.92	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	129354	19.03	ug/l	97
22) Diisopropyl ether	5.96	45	425785	21.59	ug/l	96
23) Vinyl Acetate	5.90	43	1366300	98.02	ug/l	100
24) 1,1-Dichloroethane	5.85	63	254979	19.77	ug/l	99
25) 2-Butanone	6.84	43	271804	91.76	ug/l	100
26) 2,2-Dichloropropane	6.83	77	200098	20.39	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	150097	20.51	ug/l	99
28) Bromochloromethane	7.20	49	121248	20.61	ug/l	99
29) Tetrahydrofuran	7.22	42	176800	92.36	ug/l	98
30) Chloroform	7.37	83	262412	19.94	ug/l	99
31) Cyclohexane	7.66	56	200498	18.70	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	213084	18.93	ug/l	99
36) 1,1-Dichloropropene	7.80	75	178222	18.49	ug/l	99
37) Ethyl Acetate	6.94	43	119354	17.76	ug/l	98
38) Carbon Tetrachloride	7.78	117	187563	18.34	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	178001	17.95	ug/l	99
40) Benzene	8.04	78	575752	19.63	ug/l	99
41) Methacrylonitrile	7.18	41	69638	21.55	ug/l #	79
42) 1,2-Dichloroethane	8.13	62	190163	19.43	ug/l	100
43) Isopropyl Acetate	8.17	43	280518	21.50	ug/l #	91
44) Trichloroethene	8.84	130	144149	18.29	ug/l	97
45) 1,2-Dichloropropane	9.12	63	155781	20.05	ug/l	98
46) Dibromomethane	9.21	93	93242	19.33	ug/l	98
47) Bromodichloromethane	9.40	83	201600	19.80	ug/l	100
48) Methyl methacrylate	9.20	41	109456	18.91	ug/l	99
49) 1,4-Dioxane	9.20	88	28174	357.63	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	611141	92.49	ug/l	99
52) Toluene	10.16	92	341737	19.73	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	192380	20.02	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	221932	20.21	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	137485	20.02	ug/l	99
56) Ethyl methacrylate	10.43	69	154370	17.95	ug/l	99
57) 1,3-Dichloropropane	10.71	76	224147	20.04	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	354227	87.23	ug/l	100
59) 2-Hexanone	10.75	43	389195	83.67	ug/l	99
60) Dibromochloromethane	10.90	129	149007	19.59	ug/l	98
61) 1,2-Dibromoethane	11.01	107	128908	18.92	ug/l	99
64) Tetrachloroethene	10.63	164	131962	17.75	ug/l	99
65) Chlorobenzene	11.44	112	369232	18.90	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	146308	19.49	ug/l	99
67) Ethyl Benzene	11.51	91	601435	19.16	ug/l	99
68) m/p-Xylenes	11.62	106	467246	39.36	ug/l	100
69) o-Xylene	11.95	106	226189	19.99	ug/l	98
70) Styrene	11.97	104	358577	18.41	ug/l	100
71) Bromoform	12.13	173	98843	18.10	ug/l #	97
73) Isopropylbenzene	12.25	105	582936	20.50	ug/l	99
74) N-amyl acetate	12.07	43	156340	17.99	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	166446	20.89	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	147538m	21.66	ug/l	
77) Bromobenzene	12.53	156	158799	20.15	ug/l	99
78) n-propylbenzene	12.59	91	658830	20.73	ug/l	100
79) 2-Chlorotoluene	12.68	91	410736	20.85	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	486594	21.76	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	39368	18.33	ug/l	96
82) 4-Chlorotoluene	12.77	91	400222	20.52	ug/l	99
83) tert-Butylbenzene	12.99	119	412715	21.15	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	492803	21.86	ug/l	99
85) sec-Butylbenzene	13.17	105	540291	20.72	ug/l	100
86) p-Isopropyltoluene	13.29	119	459914	20.93	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	263081	19.69	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	254427	19.54	ug/l	99
89) n-Butylbenzene	13.62	91	348951	19.31	ug/l	99
90) Hexachloroethane	13.88	117	91459	18.75	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	265666	19.89	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23723	18.21	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	101414	16.52	ug/l	99
94) Hexachlorobutadiene	15.01	225	80022	19.58	ug/l	99
95) Naphthalene	15.14	128	202772	15.46	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	106419	16.95	ug/l	99

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

