

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080218\
 Data File : VN050281.D
 Acq On : 2 Aug 2018 23:14
 Operator : MD\SY
 Sample : VN0802WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBS02

Manual Integrations
 APPROVED

MMDadoda
 8/3/2018 9:36:55 AM

Quant Time: Aug 03 02:14:32 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	589150	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	892295	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	795878	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	402590	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	409427	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
35) Dibromofluoromethane	7.59	113	357719	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
50) Toluene-d8	10.09	98	1309351	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
62) 4-Bromofluorobenzene	12.40	95	423521	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	166622	19.683	ug/l	100
3) Chloromethane	2.06	50	161650	17.567	ug/l	98
4) Vinyl Chloride	2.18	62	182855	18.870	ug/l	98
5) Bromomethane	2.56	94	71083	12.457	ug/l	100
6) Chloroethane	2.70	64	108517	18.647	ug/l	98
7) Trichlorofluoromethane	3.01	101	246021	19.599	ug/l	99
8) Diethyl Ether	3.41	74	86017	20.554	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	149287	19.777	ug/l	100
10) Methyl Iodide	3.95	142	95588	9.866	ug/l	99
11) Tert butyl alcohol	4.80	59	73049	120.779	ug/l #	88
12) 1,1-Dichloroethene	3.73	96	132271	19.480	ug/l	99
13) Acrolein	3.61	56	79921	164.468	ug/l	100
14) Allyl chloride	4.32	41	202988	19.279	ug/l	99
15) Acrylonitrile	5.00	53	295506	111.988	ug/l	99
16) Acetone	3.82	43	227810	115.318	ug/l	98
17) Carbon Disulfide	4.05	76	345524	16.610	ug/l	99
18) Methyl Acetate	4.33	43	225905	29.323	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	395364	21.849	ug/l	99
20) Methylene Chloride	4.55	84	157215	20.840	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	136732	19.003	ug/l	100
22) Diisopropyl ether	5.96	45	471590	22.589	ug/l	97
23) Vinyl Acetate	5.90	43	1514142	102.628	ug/l	99
24) 1,1-Dichloroethane	5.85	63	283179	20.743	ug/l	99
25) 2-Butanone	6.84	43	354929	113.203	ug/l	100
26) 2,2-Dichloropropane	6.82	77	167273	16.106	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	159813	20.633	ug/l	98
28) Bromochloromethane	7.20	49	128474	20.632	ug/l	99
29) Tetrahydrofuran	7.22	42	234932	115.957	ug/l	99
30) Chloroform	7.37	83	287800	20.659	ug/l	99
31) Cyclohexane	7.66	56	215185	18.964	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	244190	20.492	ug/l	100
36) 1,1-Dichloropropene	7.80	75	197730	19.669	ug/l	99
37) Ethyl Acetate	6.94	43	157488	22.469	ug/l	100
38) Carbon Tetrachloride	7.77	117	213602	20.025	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	187967	18.175	ug/l	97
40) Benzene	8.04	78	631243	20.635	ug/l	99
41) Methacrylonitrile	7.18	41	74774	22.106	ug/l #	85
42) 1,2-Dichloroethane	8.13	62	210957	20.671	ug/l	99
43) Isopropyl Acetate	8.17	43	314462	23.197	ug/l #	92
44) Trichloroethene	8.84	130	164104	19.964	ug/l	99
45) 1,2-Dichloropropane	9.12	63	172379	21.275	ug/l	99
46) Dibromomethane	9.21	93	106738	21.216	ug/l	99
47) Bromodichloromethane	9.41	83	220836	20.797	ug/l	98
48) Methyl methacrylate	9.20	41	134111	22.217	ug/l	99
49) 1,4-Dioxane	9.20	88	40680	495.205	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	812470	117.917	ug/l	100
52) Toluene	10.16	92	382818	21.200	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	202756	20.235	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	238218	20.803	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	153530	21.436	ug/l	98
56) Ethyl methacrylate	10.43	69	186603	20.482	ug/l	100
57) 1,3-Dichloropropane	10.71	76	253210	21.710	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	373286	88.068	ug/l	99
59) 2-Hexanone	10.75	43	539287	109.485	ug/l	99
60) Dibromochloromethane	10.90	129	172991	21.815	ug/l	99
61) 1,2-Dibromoethane	11.01	107	150333	21.155	ug/l	98
64) Tetrachloroethene	10.63	164	154764	20.226	ug/l	97
65) Chlorobenzene	11.44	112	410065	20.397	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	167038	21.625	ug/l	98
67) Ethyl Benzene	11.51	91	680230	21.064	ug/l	99
68) m/p-Xylenes	11.62	106	532936	43.630	ug/l	99
69) o-Xylene	11.95	106	250646	21.525	ug/l	100
70) Styrene	11.97	104	405300	20.132	ug/l	99
71) Bromoform	12.13	173	121323	21.592	ug/l #	100
73) Isopropylbenzene	12.25	105	670195	21.465	ug/l	99
74) N-amyl acetate	12.07	43	203216	21.295	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	204193	23.550	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	174159m	23.278	ug/l	
77) Bromobenzene	12.53	156	179669	20.762	ug/l	98
78) n-propylbenzene	12.59	91	754989	21.633	ug/l	100
79) 2-Chlorotoluene	12.68	91	468521	21.660	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	554696	22.586	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	47321	20.061	ug/l	96
82) 4-Chlorotoluene	12.78	91	471403	22.007	ug/l	100
83) tert-Butylbenzene	13.00	119	468007	21.836	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	561988	22.702	ug/l	99
85) sec-Butylbenzene	13.17	105	628216	21.937	ug/l	100
86) p-Isopropyltoluene	13.29	119	525955	21.796	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	303985	20.722	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	296116	20.710	ug/l	98
89) n-Butylbenzene	13.62	91	397258	20.020	ug/l	97
90) Hexachloroethane	13.88	117	107784	20.116	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	306930	20.930	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31656	22.305	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	125802	18.264	ug/l	96
94) Hexachlorobutadiene	15.01	225	86719	19.317	ug/l	99
95) Naphthalene	15.14	128	278063	18.203	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	134830	19.220	ug/l	100

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

