

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042219\
 Data File : VN055188.D
 Acq On : 22 Apr 2019 18:09
 Operator : JC/SP
 Sample : VN0422WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 1:47:33 PM

Quant Time: Apr 23 06:33:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	412149	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	676450	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	575831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	221741	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	283721	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
35) Dibromofluoromethane	7.59	113	222167	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
50) Toluene-d8	10.09	98	817228	48.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.00%	
62) 4-Bromofluorobenzene	12.40	95	257442	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	114968	21.665	ug/l	98
3) Chloromethane	2.06	50	135999	20.915	ug/l	100
4) Vinyl Chloride	2.19	62	108509	20.825	ug/l	95
5) Bromomethane	2.56	94	57822	19.136	ug/l	100
6) Chloroethane	2.70	64	56626	20.620	ug/l	97
7) Trichlorofluoromethane	3.02	101	148207	20.902	ug/l	100
8) Diethyl Ether	3.41	74	53195	21.019	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	87640	19.808	ug/l	99
10) Methyl Iodide	3.95	142	128490	20.709	ug/l	99
11) Tert butyl alcohol	4.79	59	35691	109.588	ug/l	96
12) 1,1-Dichloroethene	3.74	96	86780	20.466	ug/l	98
13) Acrolein	3.61	56	48910	105.880	ug/l	97
14) Allyl chloride	4.33	41	170675	20.361	ug/l	99
15) Acrylonitrile	4.99	53	197030	110.311	ug/l	99
16) Acetone	3.82	43	153264	83.108	ug/l	99
17) Carbon Disulfide	4.05	76	233752	19.718	ug/l	100
18) Methyl Acetate	4.33	43	90851	22.302	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	250578	21.374	ug/l	96
20) Methylene Chloride	4.55	84	101649	19.173	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	92871	20.886	ug/l	98
22) Diisopropyl ether	5.95	45	350946	21.003	ug/l	98
23) Vinyl Acetate	5.90	43	1241552	110.572	ug/l	100
24) 1,1-Dichloroethane	5.85	63	183891	20.461	ug/l	100
25) 2-Butanone	6.84	43	234385	98.445	ug/l	98
26) 2,2-Dichloropropane	6.83	77	114452	18.818	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	104436	20.375	ug/l	99
28) Bromochloromethane	7.20	49	94596	20.648	ug/l	98
29) Tetrahydrofuran	7.22	42	163925	111.981	ug/l	97
30) Chloroform	7.37	83	175958	20.582	ug/l	99
31) Cyclohexane	7.65	56	175635	20.095	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	139936	20.374	ug/l	98
36) 1,1-Dichloropropene	7.79	75	124283	19.795	ug/l	97
37) Ethyl Acetate	6.93	43	106703	21.059	ug/l	99
38) Carbon Tetrachloride	7.77	117	122148	20.776	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	143216	19.121	ug/l	98
40) Benzene	8.04	78	391791	20.215	ug/l	99
41) Methacrylonitrile	7.19	41	65355m	24.602	ug/l	
42) 1,2-Dichloroethane	8.12	62	136802	20.232	ug/l	99
43) Isopropyl Acetate	8.17	43	185107	22.560	ug/l	98
44) Trichloroethene	8.83	130	97239	19.850	ug/l	99
45) 1,2-Dichloropropane	9.12	63	110548	20.207	ug/l	100
46) Dibromomethane	9.21	93	63183	20.174	ug/l	98
47) Bromodichloromethane	9.40	83	126702	20.209	ug/l	95
48) Methyl methacrylate	9.20	41	83662	21.020	ug/l	96
49) 1,4-Dioxane	9.20	88	19029	414.005	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	499361	105.764	ug/l	100
52) Toluene	10.16	92	227089	19.987	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	115686	20.106	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	145398	20.364	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	86852	20.734	ug/l	96
56) Ethyl methacrylate	10.43	69	111707	21.407	ug/l	98
57) 1,3-Dichloropropane	10.71	76	151277	20.757	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	180310	96.910	ug/l	99
59) 2-Hexanone	10.75	43	312781	104.879	ug/l	100
60) Dibromochloromethane	10.90	129	86947	20.152	ug/l	96
61) 1,2-Dibromoethane	11.00	107	82081	20.841	ug/l	100
64) Tetrachloroethene	10.63	164	91460	19.470	ug/l	97
65) Chlorobenzene	11.43	112	231238	19.674	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	85473	19.621	ug/l	99
67) Ethyl Benzene	11.51	91	419292	20.027	ug/l	100
68) m/p-Xylenes	11.62	106	305490	40.683	ug/l	100
69) o-Xylene	11.95	106	153380	20.582	ug/l	96
70) Styrene	11.96	104	243279	21.061	ug/l	98
71) Bromoform	12.13	173	52135	20.056	ug/l #	100
73) Isopropylbenzene	12.25	105	399680	21.130	ug/l	100
74) N-amyl acetate	12.07	43	122625	21.449	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	105286	21.979	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	90426m	20.101	ug/l	
77) Bromobenzene	12.53	156	94835	19.373	ug/l	98
78) n-propylbenzene	12.59	91	430256	19.348	ug/l	99
79) 2-Chlorotoluene	12.67	91	272004	19.371	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	325883	19.632	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	22154	18.669	ug/l	94
82) 4-Chlorotoluene	12.77	91	248906	19.266	ug/l	98
83) tert-Butylbenzene	12.99	119	279634	21.150	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	307162	19.609	ug/l	100
85) sec-Butylbenzene	13.17	105	353363	18.817	ug/l	99
86) p-Isopropyltoluene	13.29	119	300126	19.399	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	148487	19.760	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	140675	19.228	ug/l	99
89) n-Butylbenzene	13.61	91	211093	18.407	ug/l	99
90) Hexachloroethane	13.87	117	48397	17.638	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	148277	19.211	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14097	20.936	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	49799	17.173	ug/l	98
94) Hexachlorobutadiene	15.01	225	49792	20.807	ug/l	96
95) Naphthalene	15.13	128	109695	17.736	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	54808	18.328	ug/l	98

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

