

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN060719\
 Data File : VN056075.D
 Acq On : 7 Jun 2019 4:19
 Operator : JC/SP
 Sample : VN0607WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0607WBS02

Manual Integrations
 APPROVED

MMDadoda
 6/8/2019 3:00:35 PM

Quant Time: Jun 07 07:14:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	291925	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	445238	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	395120	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	157695	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	157576	54.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.72%	
35) Dibromofluoromethane	7.59	113	138393	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
50) Toluene-d8	10.09	98	524249	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
62) 4-Bromofluorobenzene	12.40	95	172341	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	65807	20.728	ug/l	99
3) Chloromethane	2.06	50	72108	22.787	ug/l	97
4) Vinyl Chloride	2.19	62	71492	22.522	ug/l	99
5) Bromomethane	2.53	94	36479	18.193	ug/l	97
6) Chloroethane	2.69	64	41162	22.365	ug/l	96
7) Trichlorofluoromethane	3.00	101	85095	20.999	ug/l	98
8) Diethyl Ether	3.40	74	35538	21.326	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	50917	20.685	ug/l	99
10) Methyl Iodide	3.94	142	52611	13.449	ug/l	100
11) Tert butyl alcohol	4.82	59	48891	96.926	ug/l	99
12) 1,1-Dichloroethene	3.72	96	50918	20.777	ug/l	98
13) Acrolein	3.60	56	11824	81.278	ug/l	96
14) Allyl chloride	4.31	41	74607	19.280	ug/l	99
15) Acrylonitrile	4.99	53	146875	119.616	ug/l	99
16) Acetone	3.82	43	119394	86.124	ug/l	98
17) Carbon Disulfide	4.04	76	103546	17.647	ug/l	98
18) Methyl Acetate	4.33	43	68004	24.680	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	170817	21.867	ug/l	99
20) Methylene Chloride	4.55	84	62146	21.759	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	55237	21.036	ug/l	96
22) Diisopropyl ether	5.96	45	174357	21.796	ug/l	98
23) Vinyl Acetate	5.90	43	664752	105.525	ug/l	100
24) 1,1-Dichloroethane	5.84	63	98792	21.410	ug/l	98
25) 2-Butanone	6.84	43	189823	108.375	ug/l	99
26) 2,2-Dichloropropane	6.82	77	41964	11.655	ug/l	94
27) cis-1,2-Dichloroethene	6.83	96	66472	21.536	ug/l	95
28) Bromochloromethane	7.19	49	44208	20.259	ug/l	97
29) Tetrahydrofuran	7.22	42	126500	116.838	ug/l	99
30) Chloroform	7.37	83	102072	21.990	ug/l	99
31) Cyclohexane	7.65	56	92707	20.156	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	80853	20.859	ug/l	99
36) 1,1-Dichloropropene	7.79	75	71563	18.693	ug/l	97
37) Ethyl Acetate	6.93	43	75933	22.291	ug/l	98
38) Carbon Tetrachloride	7.77	117	66788	18.922	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	86974	18.237	ug/l	98
40) Benzene	8.04	78	241242	20.747	ug/l	100
41) Methacrylonitrile	7.18	41	35106	22.400	ug/l	96
42) 1,2-Dichloroethane	8.12	62	78253	20.922	ug/l	99
43) Isopropyl Acetate	8.17	43	114857	20.808	ug/l #	92
44) Trichloroethene	8.83	130	67586	20.228	ug/l	97
45) 1,2-Dichloropropane	9.12	63	62278	20.910	ug/l	99
46) Dibromomethane	9.21	93	39974	20.524	ug/l	98
47) Bromodichloromethane	9.40	83	69086	19.572	ug/l	99
48) Methyl methacrylate	9.20	41	57763	21.390	ug/l	98
49) 1,4-Dioxane	9.21	88	24747	424.472	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	371844	107.722	ug/l	99
52) Toluene	10.15	92	148285	20.494	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	63190	16.934	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	77159	18.185	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	59685	20.824	ug/l	99
56) Ethyl methacrylate	10.43	69	85859	20.534	ug/l	99
57) 1,3-Dichloropropane	10.71	76	98903	21.227	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	142952	95.972	ug/l	99
59) 2-Hexanone	10.75	43	256826	102.655	ug/l	99
60) Dibromochloromethane	10.90	129	53549	18.561	ug/l	99
61) 1,2-Dibromoethane	11.01	107	60919	20.791	ug/l	98
64) Tetrachloroethene	10.63	164	73112	21.376	ug/l	98
65) Chlorobenzene	11.43	112	164737	20.949	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	54974	20.247	ug/l	99
67) Ethyl Benzene	11.51	91	274250	20.057	ug/l	100
68) m/p-Xylenes	11.62	106	207913	39.803	ug/l	98
69) o-Xylene	11.95	106	103324	20.109	ug/l	98
70) Styrene	11.96	104	162957	19.961	ug/l	100
71) Bromoform	12.13	173	35274	17.367	ug/l #	100
73) Isopropylbenzene	12.25	105	269902	22.690	ug/l	99
74) N-amyl acetate	12.07	43	89689	21.336	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	82027	22.407	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	66648m	22.969	ug/l	
77) Bromobenzene	12.53	156	71168	21.079	ug/l	96
78) n-propylbenzene	12.59	91	274962	20.610	ug/l	100
79) 2-Chlorotoluene	12.67	91	175868	22.489	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	218661	20.623	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	13119	15.056	ug/l #	78
82) 4-Chlorotoluene	12.77	91	160575	20.573	ug/l	100
83) tert-Butylbenzene	12.99	119	197348	22.488	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	210519	20.938	ug/l	99
85) sec-Butylbenzene	13.17	105	245607	20.788	ug/l	100
86) p-Isopropyltoluene	13.29	119	214981	20.332	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	104902	20.075	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	102007	20.293	ug/l	99
89) n-Butylbenzene	13.61	91	144680	18.471	ug/l	98
90) Hexachloroethane	13.87	117	29065	18.227	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	112508	21.326	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10851	20.724	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	41651	17.373	ug/l	97
94) Hexachlorobutadiene	15.01	225	37734	19.586	ug/l	97
95) Naphthalene	15.13	128	116191	18.069	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	49877	18.845	ug/l	99

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

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