

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041919\
 Data File : VN055147.D
 Acq On : 19 Apr 2019 19:04
 Operator : JC/SP
 Sample : VN0419WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBS02

Manual Integrations
 APPROVED

MMDadoda
 4/22/2019 10:07:28 AM

Quant Time: Apr 20 04:48:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	392976	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	644478	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	545091	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	205957	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	267793	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	
35) Dibromofluoromethane	7.59	113	210725	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
50) Toluene-d8	10.09	98	747699	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
62) 4-Bromofluorobenzene	12.40	95	239504	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	81570	18.265	ug/l	99
3) Chloromethane	2.06	50	100632	17.276	ug/l	97
4) Vinyl Chloride	2.19	62	85377	17.438	ug/l	99
5) Bromomethane	2.56	94	47443	17.129	ug/l	98
6) Chloroethane	2.70	64	47717	18.073	ug/l	96
7) Trichlorofluoromethane	3.01	101	129331	21.122	ug/l	96
8) Diethyl Ether	3.41	74	50679	25.929	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	78945	24.637	ug/l	99
10) Methyl Iodide	3.95	142	103304	20.774	ug/l	95
11) Tert butyl alcohol	4.80	59	41600	145.289	ug/l #	84
12) 1,1-Dichloroethene	3.74	96	76309	24.465	ug/l	87
13) Acrolein	3.61	56	25750	72.758	ug/l	95
14) Allyl chloride	4.33	41	157183	20.588	ug/l	99
15) Acrylonitrile	5.00	53	201724	117.755	ug/l	100
16) Acetone	3.82	43	166475	117.419	ug/l	92
17) Carbon Disulfide	4.05	76	170372	16.921	ug/l	98
18) Methyl Acetate	4.33	43	102005	24.742	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	249750	22.384	ug/l	99
20) Methylene Chloride	4.55	84	94545	18.970	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	81656	19.357	ug/l	96
22) Diisopropyl ether	5.96	45	338375	21.559	ug/l	96
23) Vinyl Acetate	5.90	43	1193136	115.011	ug/l	99
24) 1,1-Dichloroethane	5.85	63	172809	20.676	ug/l	99
25) 2-Butanone	6.84	43	256981	121.445	ug/l	99
26) 2,2-Dichloropropane	6.83	77	111653	21.166	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	95619	20.035	ug/l	96
28) Bromochloromethane	7.20	49	85668	21.263	ug/l	99
29) Tetrahydrofuran	7.21	42	174839	125.999	ug/l	99
30) Chloroform	7.37	83	166333	20.488	ug/l	98
31) Cyclohexane	7.66	56	150919	19.666	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	133523	20.759	ug/l	98
36) 1,1-Dichloropropene	7.80	75	115319	18.981	ug/l	98
37) Ethyl Acetate	6.93	43	107216	21.677	ug/l #	95
38) Carbon Tetrachloride	7.77	117	109211	18.894	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	117996	17.923	ug/l	98
40) Benzene	8.04	78	361998	19.770	ug/l	99
41) Methacrylonitrile	7.18	41	56003	20.398	ug/l	94
42) 1,2-Dichloroethane	8.13	62	130884	20.588	ug/l	99
43) Isopropyl Acetate	8.17	43	179824	23.595	ug/l	99
44) Trichloroethene	8.84	130	92212	20.106	ug/l	95
45) 1,2-Dichloropropane	9.12	63	105259	20.613	ug/l	99
46) Dibromomethane	9.21	93	60501	20.815	ug/l	97
47) Bromodichloromethane	9.40	83	123149	20.550	ug/l	99
48) Methyl methacrylate	9.20	41	84635	22.405	ug/l	98
49) 1,4-Dioxane	9.20	88	20837	588.767	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	528660	120.069	ug/l	99
52) Toluene	10.16	92	210381	20.061	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	109508	20.910	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	135252	20.809	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	84299	20.864	ug/l	98
56) Ethyl methacrylate	10.43	69	109731	22.629	ug/l	98
57) 1,3-Dichloropropane	10.71	76	147686	21.468	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	199263	100.277	ug/l	99
59) 2-Hexanone	10.75	43	330997	119.688	ug/l	98
60) Dibromochloromethane	10.90	129	84437	21.401	ug/l	99
61) 1,2-Dibromoethane	11.01	107	80339	21.603	ug/l	99
64) Tetrachloroethene	10.63	164	83722	18.888	ug/l	99
65) Chlorobenzene	11.44	112	212079	19.329	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	85243	21.123	ug/l	98
67) Ethyl Benzene	11.51	91	384494	19.623	ug/l	100
68) m/p-Xylenes	11.62	106	281172	39.627	ug/l	99
69) o-Xylene	11.95	106	137035	19.940	ug/l	98
70) Styrene	11.96	104	225980	20.314	ug/l	99
71) Bromoform	12.13	173	50906	22.008	ug/l #	98
73) Isopropylbenzene	12.25	105	371558	20.330	ug/l	99
74) N-amyl acetate	12.07	43	122221	23.757	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	108895	22.267	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	93912m	25.357	ug/l	
77) Bromobenzene	12.53	156	89130	19.562	ug/l	97
78) n-propylbenzene	12.59	91	398023	20.157	ug/l	100
79) 2-Chlorotoluene	12.68	91	244574	19.858	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	294729	19.983	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	22421	24.208	ug/l	95
82) 4-Chlorotoluene	12.77	91	231978	20.188	ug/l	99
83) tert-Butylbenzene	12.99	119	258991	20.793	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	280300	20.054	ug/l	99
85) sec-Butylbenzene	13.17	105	322096	20.294	ug/l	100
86) p-Isopropyltoluene	13.29	119	271687	19.953	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	141167	20.384	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	130450	19.753	ug/l	98
89) n-Butylbenzene	13.62	91	194178	19.210	ug/l	98
90) Hexachloroethane	13.87	117	46091	20.803	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	143784	20.635	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14268	23.693	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	47518	16.916	ug/l	100
94) Hexachlorobutadiene	15.01	225	43917	20.406	ug/l	96
95) Naphthalene	15.13	128	112381	17.352	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	52161	19.404	ug/l	98

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

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