

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053119\
 Data File : VN055935.D
 Acq On : 31 May 2019 22:40
 Operator : JC/SP
 Sample : VN0531WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBS02

Manual Integrations
 APPROVED

MMDadoda
 6/3/2019 4:12:32 PM

Quant Time: Jun 03 08:56:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	300237	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	457741	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	399497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	155552	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	166121	53.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.16%	
35) Dibromofluoromethane	7.59	113	143237	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
50) Toluene-d8	10.09	98	544327	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
62) 4-Bromofluorobenzene	12.40	95	176031	46.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	35855	17.744	ug/l	98
3) Chloromethane	2.06	50	50577	17.865	ug/l	99
4) Vinyl Chloride	2.19	62	54388	18.012	ug/l	99
5) Bromomethane	2.54	94	39360	20.835	ug/l	98
6) Chloroethane	2.69	64	36057	19.833	ug/l	100
7) Trichlorofluoromethane	3.00	101	74520	18.824	ug/l	99
8) Diethyl Ether	3.40	74	34855	19.644	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	46908	18.982	ug/l	100
10) Methyl Iodide	3.94	142	65893	18.238	ug/l	100
11) Tert butyl alcohol	4.82	59	57179	96.517	ug/l	100
12) 1,1-Dichloroethene	3.72	96	46741	18.305	ug/l	96
13) Acrolein	3.60	56	23066	54.375	ug/l	94
14) Allyl chloride	4.31	41	76476	17.471	ug/l	98
15) Acrylonitrile	4.99	53	138100	101.517	ug/l	99
16) Acetone	3.82	43	118423	86.887	ug/l	99
17) Carbon Disulfide	4.04	76	95479	13.161	ug/l	100
18) Methyl Acetate	4.33	43	65990	23.137	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	167537	19.673	ug/l	99
20) Methylene Chloride	4.55	84	58148	19.700	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	50922	18.563	ug/l	97
22) Diisopropyl ether	5.96	45	169878	19.953	ug/l	98
23) Vinyl Acetate	5.90	43	677724	92.844	ug/l	99
24) 1,1-Dichloroethane	5.84	63	95878	19.342	ug/l	99
25) 2-Butanone	6.84	43	185155	97.272	ug/l	98
26) 2,2-Dichloropropane	6.82	77	59152	13.788	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	62435	19.508	ug/l	97
28) Bromochloromethane	7.19	49	49660	21.042	ug/l	98
29) Tetrahydrofuran	7.22	42	122863	101.925	ug/l	100
30) Chloroform	7.37	83	98237	19.872	ug/l	98
31) Cyclohexane	7.65	56	85791	18.434	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	82277	18.651	ug/l	99
36) 1,1-Dichloropropene	7.79	75	69137	17.332	ug/l	99
37) Ethyl Acetate	6.93	43	74390	19.295	ug/l	99
38) Carbon Tetrachloride	7.77	117	67810	16.320	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	82442	16.690	ug/l	99
40) Benzene	8.04	78	227501	18.923	ug/l	99
41) Methacrylonitrile	7.17	41	34569	17.748	ug/l	96
42) 1,2-Dichloroethane	8.12	62	76930	19.583	ug/l	98
43) Isopropyl Acetate	8.17	43	115758	17.870	ug/l #	92
44) Trichloroethene	8.83	130	62720	18.714	ug/l	96
45) 1,2-Dichloropropane	9.12	63	60470	19.305	ug/l	99
46) Dibromomethane	9.21	93	39780	19.365	ug/l	98
47) Bromodichloromethane	9.40	83	73235	17.387	ug/l	97
48) Methyl methacrylate	9.20	41	57272	19.184	ug/l	98
49) 1,4-Dioxane	9.20	88	25251	407.014	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	370977	96.968	ug/l	100
52) Toluene	10.15	92	141693	18.740	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	70292	15.634	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	82691	16.602	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	58798	19.411	ug/l	99
56) Ethyl methacrylate	10.43	69	86641	18.508	ug/l	98
57) 1,3-Dichloropropane	10.71	76	95172	19.330	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	150644	84.205	ug/l	100
59) 2-Hexanone	10.75	43	252391	92.995	ug/l	100
60) Dibromochloromethane	10.90	129	56188	15.923	ug/l	99
61) 1,2-Dibromoethane	11.00	107	58261	18.543	ug/l	97
64) Tetrachloroethene	10.63	164	64067	19.014	ug/l	99
65) Chlorobenzene	11.43	112	152263	19.039	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	55340	17.350	ug/l	99
67) Ethyl Benzene	11.51	91	266863	18.607	ug/l	100
68) m/p-Xylenes	11.62	106	200553	36.990	ug/l	99
69) o-Xylene	11.95	106	100787	18.736	ug/l	99
70) Styrene	11.96	104	159503	18.310	ug/l	100
71) Bromoform	12.13	173	38239	14.055	ug/l #	99
73) Isopropylbenzene	12.25	105	264497	22.434	ug/l	100
74) N-amyl acetate	12.07	43	91585	20.394	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	80092	22.627	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	66848m	23.275	ug/l	
77) Bromobenzene	12.53	156	67574	20.358	ug/l	99
78) n-propylbenzene	12.59	91	266053	19.679	ug/l	100
79) 2-Chlorotoluene	12.67	91	168612	21.712	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	212248	21.320	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	16304	14.102	ug/l #	86
82) 4-Chlorotoluene	12.77	91	155447	19.560	ug/l	99
83) tert-Butylbenzene	12.99	119	195686	22.651	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	206132	20.801	ug/l	99
85) sec-Butylbenzene	13.17	105	240079	21.585	ug/l	99
86) p-Isopropyltoluene	13.29	119	211612	19.589	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	99762	18.981	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	93221	18.655	ug/l	97
89) n-Butylbenzene	13.61	91	145131	17.534	ug/l	99
90) Hexachloroethane	13.87	117	32692	15.900	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	103683	19.772	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11887	17.247	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	39165	15.674	ug/l	99
94) Hexachlorobutadiene	15.01	225	35309	17.963	ug/l	97
95) Naphthalene	15.13	128	113439	15.765	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	45619	16.457	ug/l	98

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

