

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051719\
 Data File : VN055638.D
 Acq On : 18 May 2019 3:22
 Operator : JC/SP
 Sample : VN0517WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517WBS02

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 9:08:16 AM

Quant Time: May 18 04:40:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:54:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	318176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	491291	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	428954	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	189700	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	175729	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
35) Dibromofluoromethane	7.59	113	159414	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
50) Toluene-d8	10.09	98	590640	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
62) 4-Bromofluorobenzene	12.40	95	202827	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	46413	18.959	ug/l	98
3) Chloromethane	2.06	50	61002	18.682	ug/l	99
4) Vinyl Chloride	2.19	62	68657	19.418	ug/l	97
5) Bromomethane	2.57	94	46539	20.653	ug/l	99
6) Chloroethane	2.71	64	38565	19.644	ug/l	98
7) Trichlorofluoromethane	3.03	101	88939	19.629	ug/l	100
8) Diethyl Ether	3.41	74	36217	19.897	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	51764	18.739	ug/l	98
10) Methyl Iodide	3.96	142	70480	17.698	ug/l	99
11) Tert butyl alcohol	4.77	59	67179	103.285	ug/l	96
12) 1,1-Dichloroethene	3.74	96	55999	19.272	ug/l	99
13) Acrolein	3.61	56	30406	92.509	ug/l	96
14) Allyl chloride	4.33	41	86415	18.421	ug/l	99
15) Acrylonitrile	4.99	53	146721	101.391	ug/l	99
16) Acetone	3.82	43	124035	87.142	ug/l	98
17) Carbon Disulfide	4.06	76	150766	18.664	ug/l	98
18) Methyl Acetate	4.33	43	60341	19.774	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	188808	19.641	ug/l	97
20) Methylene Chloride	4.56	84	62464	19.229	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	59038	19.073	ug/l	99
22) Diisopropyl ether	5.95	45	175888	18.922	ug/l	99
23) Vinyl Acetate	5.90	43	761051	96.490	ug/l	99
24) 1,1-Dichloroethane	5.85	63	105827	19.417	ug/l	98
25) 2-Butanone	6.83	43	191340	96.142	ug/l	100
26) 2,2-Dichloropropane	6.83	77	56485	11.677	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	70429	19.539	ug/l	94
28) Bromochloromethane	7.20	49	48453	20.434	ug/l	100
29) Tetrahydrofuran	7.21	42	131065	99.403	ug/l	99
30) Chloroform	7.37	83	108155	19.332	ug/l	97
31) Cyclohexane	7.66	56	98110	18.967	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	97506	19.431	ug/l	99
36) 1,1-Dichloropropene	7.80	75	81090	18.513	ug/l	99
37) Ethyl Acetate	6.93	43	80204	20.292	ug/l	98
38) Carbon Tetrachloride	7.78	117	87476	18.689	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	93544	17.716	ug/l	99
40) Benzene	8.05	78	246901	19.164	ug/l	100
41) Methacrylonitrile	7.18	41	32785m	19.401	ug/l	
42) 1,2-Dichloroethane	8.13	62	80797	19.367	ug/l	99
43) Isopropyl Acetate	8.17	43	132136	19.219	ug/l	99
44) Trichloroethene	8.84	130	70904	19.504	ug/l	98
45) 1,2-Dichloropropane	9.12	63	64956	19.138	ug/l	96
46) Dibromomethane	9.21	93	43719	19.681	ug/l	97
47) Bromodichloromethane	9.40	83	88371	18.981	ug/l	100
48) Methyl methacrylate	9.20	41	62378	20.298	ug/l	99
49) 1,4-Dioxane	9.20	88	26371	431.854	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	393627	97.601	ug/l	100
52) Toluene	10.16	92	155494	19.243	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	88335	17.629	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	100165	18.247	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	63325	19.036	ug/l	98
56) Ethyl methacrylate	10.43	69	97702	18.814	ug/l	98
57) 1,3-Dichloropropane	10.71	76	100823	19.136	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	208666	94.568	ug/l	100
59) 2-Hexanone	10.75	43	270948	95.423	ug/l	99
60) Dibromochloromethane	10.90	129	74796	19.838	ug/l	99
61) 1,2-Dibromoethane	11.01	107	64444	19.361	ug/l	98
64) Tetrachloroethene	10.63	164	70652	20.882	ug/l	98
65) Chlorobenzene	11.43	112	167272	19.280	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	66750	19.124	ug/l	100
67) Ethyl Benzene	11.51	91	291466	18.858	ug/l	99
68) m/p-Xylenes	11.62	106	220332	37.750	ug/l	98
69) o-Xylene	11.95	106	108378	18.985	ug/l	98
70) Styrene	11.96	104	180902	19.058	ug/l	99
71) Bromoform	12.13	173	58133	19.654	ug/l #	100
73) Isopropylbenzene	12.25	105	287391	20.150	ug/l	100
74) N-amyl acetate	12.07	43	99505	18.680	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	88566	20.099	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	72400m	18.704	ug/l	
77) Bromobenzene	12.53	156	76469	19.628	ug/l	95
78) n-propylbenzene	12.59	91	305614	18.142	ug/l	99
79) 2-Chlorotoluene	12.67	91	186419	19.657	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	236434	19.547	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	23029	15.293	ug/l	98
82) 4-Chlorotoluene	12.77	91	183752	18.513	ug/l	100
83) tert-Butylbenzene	12.99	119	206410	19.709	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	235803	19.709	ug/l	100
85) sec-Butylbenzene	13.17	105	261701	19.323	ug/l	99
86) p-Isopropyltoluene	13.29	119	238036	19.079	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	120991	18.783	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	119811	19.480	ug/l	100
89) n-Butylbenzene	13.61	91	186316	17.899	ug/l	99
90) Hexachloroethane	13.87	117	46754	19.403	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	122815	19.126	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16681	19.376	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	64617	19.769	ug/l	100
94) Hexachlorobutadiene	15.01	225	39676	18.262	ug/l	99
95) Naphthalene	15.13	128	176803	19.055	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	67488	19.747	ug/l	99

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

