

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051019\
 Data File : VN055544.D
 Acq On : 10 May 2019 11:56
 Operator : JC/SP
 Sample : VN0510WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0510WBS02

Manual Integrations
 APPROVED

MMDadoda
 5/11/2019 1:16:42 PM

Quant Time: May 11 01:29:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 06:48:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	710171	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1245321	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1056188	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	411766	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	520410	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
35) Dibromofluoromethane	7.59	113	396929	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
50) Toluene-d8	10.09	98	1541337	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	
62) 4-Bromofluorobenzene	12.40	95	506705	48.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	135216	18.701	ug/l	98
3) Chloromethane	2.06	50	214759	18.283	ug/l	97
4) Vinyl Chloride	2.19	62	211278	19.054	ug/l	98
5) Bromomethane	2.54	94	90658	14.922	ug/l	99
6) Chloroethane	2.69	64	132265	20.479	ug/l	98
7) Trichlorofluoromethane	3.01	101	247716	20.364	ug/l	98
8) Diethyl Ether	3.41	74	111833	20.471	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	152535	19.709	ug/l	99
10) Methyl Iodide	3.94	142	129693	12.399	ug/l	100
11) Tert butyl alcohol	4.81	59	149269	94.546	ug/l	98
12) 1,1-Dichloroethene	3.73	96	154050	19.847	ug/l	97
13) Acrolein	3.61	56	96553	91.762	ug/l	98
14) Allyl chloride	4.32	41	306139	19.255	ug/l	99
15) Acrylonitrile	5.00	53	475138	97.191	ug/l	99
16) Acetone	3.82	43	443545	89.585	ug/l	98
17) Carbon Disulfide	4.05	76	402036	18.978	ug/l	99
18) Methyl Acetate	4.33	43	205496	19.095	ug/l	96
19) Methyl tert-butyl Ether	5.05	73	510592	19.797	ug/l	99
20) Methylene Chloride	4.55	84	196301	19.389	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	169629	20.157	ug/l	93
22) Diisopropyl ether	5.96	45	637884	19.743	ug/l	95
23) Vinyl Acetate	5.90	43	2491480	99.711	ug/l	100
24) 1,1-Dichloroethane	5.85	63	346181	19.848	ug/l	100
25) 2-Butanone	6.84	43	650855	95.164	ug/l	98
26) 2,2-Dichloropropane	6.82	77	224530	20.651	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	202359	20.807	ug/l	99
28) Bromochloromethane	7.20	49	183269	20.233	ug/l	95
29) Tetrahydrofuran	7.22	42	435446	96.309	ug/l	100
30) Chloroform	7.37	83	326606	20.256	ug/l	99
31) Cyclohexane	7.65	56	323002	18.717	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	251562	20.488	ug/l	100
36) 1,1-Dichloropropene	7.79	75	241896	19.717	ug/l	99
37) Ethyl Acetate	6.93	43	257659	19.253	ug/l	98
38) Carbon Tetrachloride	7.77	117	204474	19.793	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	280464	18.749	ug/l	98
40) Benzene	8.04	78	761967	20.011	ug/l	98
41) Methacrylonitrile	7.18	41	136263	21.937	ug/l	95
42) 1,2-Dichloroethane	8.13	62	260393	19.465	ug/l	100
43) Isopropyl Acetate	8.17	43	385167	18.944	ug/l	98
44) Trichloroethene	8.84	130	182104	20.100	ug/l	96
45) 1,2-Dichloropropane	9.12	63	216233	19.848	ug/l	98
46) Dibromomethane	9.21	93	126327	20.005	ug/l	98
47) Bromodichloromethane	9.40	83	238273	19.723	ug/l	98
48) Methyl methacrylate	9.20	41	187476	19.138	ug/l	99
49) 1,4-Dioxane	9.20	88	75790	396.954	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1247468	93.289	ug/l	99
52) Toluene	10.16	92	444135	20.403	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	232572	20.044	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	277550	20.018	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	183594	20.816	ug/l	97
56) Ethyl methacrylate	10.43	69	252512	19.248	ug/l	98
57) 1,3-Dichloropropane	10.71	76	316792	20.232	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	323737	82.149	ug/l	99
59) 2-Hexanone	10.75	43	867504	92.506	ug/l	100
60) Dibromochloromethane	10.90	129	161101	20.090	ug/l	99
61) 1,2-Dibromoethane	11.00	107	169906	20.050	ug/l	98
64) Tetrachloroethene	10.63	164	166317	19.218	ug/l	99
65) Chlorobenzene	11.43	112	447786	20.607	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	157132	21.005	ug/l	99
67) Ethyl Benzene	11.51	91	801323	19.635	ug/l	98
68) m/p-Xylenes	11.62	106	596307	40.715	ug/l	98
69) o-Xylene	11.95	106	291859	20.275	ug/l	99
70) Styrene	11.96	104	476426	20.658	ug/l	100
71) Bromoform	12.13	173	102568	20.318	ug/l #	100
73) Isopropylbenzene	12.25	105	781922	21.607	ug/l	99
74) N-amyl acetate	12.07	43	290150	18.560	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	261284	22.314	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	220890m	19.705	ug/l	
77) Bromobenzene	12.53	156	178264	19.644	ug/l	97
78) n-propylbenzene	12.59	91	859570	19.463	ug/l	99
79) 2-Chlorotoluene	12.67	91	528290	19.194	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	652613	19.818	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	53625	17.652	ug/l	95
82) 4-Chlorotoluene	12.77	91	501994	19.302	ug/l	98
83) tert-Butylbenzene	12.99	119	551597	19.542	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	599237	19.841	ug/l	98
85) sec-Butylbenzene	13.17	105	722243	19.253	ug/l	100
86) p-Isopropyltoluene	13.29	119	594283	19.465	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	284672	20.302	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	271272	19.603	ug/l	99
89) n-Butylbenzene	13.61	91	420676	17.776	ug/l	99
90) Hexachloroethane	13.87	117	95140	19.103	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	284762	20.319	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36662	19.362	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	86710	16.504	ug/l	97
94) Hexachlorobutadiene	15.01	225	91267	20.639	ug/l	99
95) Naphthalene	15.13	128	236773	15.918	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	98078	16.547	ug/l	99

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

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