

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055821.D
 Acq On : 25 May 2019 2:34
 Operator : JC/SP
 Sample : VN0524WBS03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS03

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 10:36:28 AM

Quant Time: May 25 05:45:15 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	361579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	520084	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	456881	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	188152	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	187235	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
35) Dibromofluoromethane	7.59	113	168114	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
50) Toluene-d8	10.09	98	633599	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
62) 4-Bromofluorobenzene	12.40	95	207102	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.85	85	42879	17.621	ug/l	99
3) Chloromethane	2.06	50	61224	17.957	ug/l	100
4) Vinyl Chloride	2.18	62	68976	18.967	ug/l	99
5) Bromomethane	2.54	94	48489	21.313	ug/l	99
6) Chloroethane	2.69	64	43670	19.946	ug/l	97
7) Trichlorofluoromethane	3.01	101	92225	19.344	ug/l	99
8) Diethyl Ether	3.41	74	42103	19.703	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	55157	18.533	ug/l	98
10) Methyl Iodide	3.94	142	88040	20.234	ug/l	100
11) Tert butyl alcohol	4.81	59	68895	96.564	ug/l	100
12) 1,1-Dichloroethene	3.72	96	58206	18.928	ug/l	95
13) Acrolein	3.60	56	36698	71.835	ug/l	96
14) Allyl chloride	4.31	41	92013	17.454	ug/l	100
15) Acrylonitrile	4.99	53	155773	95.082	ug/l	99
16) Acetone	3.82	43	127227	77.510	ug/l	99
17) Carbon Disulfide	4.04	76	144841	16.578	ug/l	100
18) Methyl Acetate	4.33	43	66861	19.259	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	196853	19.194	ug/l	99
20) Methylene Chloride	4.54	84	68735	19.336	ug/l	93
21) trans-1,2-Dichloroethene	5.03	96	61948	18.751	ug/l	97
22) Diisopropyl ether	5.96	45	194443	18.964	ug/l	99
23) Vinyl Acetate	5.90	43	799263	90.919	ug/l	100
24) 1,1-Dichloroethane	5.84	63	113108	18.947	ug/l	100
25) 2-Butanone	6.84	43	201791	88.027	ug/l	99
26) 2,2-Dichloropropane	6.82	77	61623	11.927	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	74629	19.362	ug/l	96
28) Bromochloromethane	7.19	49	57936	20.384	ug/l	95
29) Tetrahydrofuran	7.22	42	136919	94.316	ug/l	98
30) Chloroform	7.37	83	115695	19.433	ug/l	98
31) Cyclohexane	7.65	56	102894	18.358	ug/l	# 92
32) 1,1,1-Trichloroethane	7.57	97	101420	19.090	ug/l	99
36) 1,1-Dichloropropene	7.79	75	83604	18.446	ug/l	99
37) Ethyl Acetate	6.93	43	84028	19.182	ug/l	99
38) Carbon Tetrachloride	7.77	117	88587	18.764	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	99310	17.695	ug/l	99
40) Benzene	8.04	78	264853	19.390	ug/l	100
41) Methacrylonitrile	7.17	41	41577	18.787	ug/l	99
42) 1,2-Dichloroethane	8.12	62	88773	19.889	ug/l	99
43) Isopropyl Acetate	8.17	43	135281	18.381	ug/l	99
44) Trichloroethene	8.83	130	76486	20.085	ug/l	98
45) 1,2-Dichloropropane	9.12	63	69805	19.614	ug/l	99
46) Dibromomethane	9.21	93	46048	19.729	ug/l	97
47) Bromodichloromethane	9.40	83	90815	18.976	ug/l	100
48) Methyl methacrylate	9.20	41	65954	19.444	ug/l	97
49) 1,4-Dioxane	9.21	88	28157	399.451	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	413707	95.175	ug/l	100
52) Toluene	10.16	92	170127	19.803	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	87369	17.103	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	97857	17.291	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	67940	19.741	ug/l	99
56) Ethyl methacrylate	10.43	69	101110	19.010	ug/l	99
57) 1,3-Dichloropropane	10.71	76	110719	19.792	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	180103	88.604	ug/l	99
59) 2-Hexanone	10.75	43	280451	90.947	ug/l	100
60) Dibromochloromethane	10.90	129	74585	18.603	ug/l	98
61) 1,2-Dibromoethane	11.00	107	71178	19.939	ug/l	100
64) Tetrachloroethene	10.63	164	82665	21.452	ug/l	99
65) Chlorobenzene	11.43	112	180793	19.767	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	71606	19.630	ug/l	99
67) Ethyl Benzene	11.51	91	318120	19.395	ug/l	99
68) m/p-Xylenes	11.62	106	242239	39.066	ug/l	99
69) o-Xylene	11.95	106	121439	19.740	ug/l	99
70) Styrene	11.96	104	192938	19.367	ug/l	100
71) Bromoform	12.13	173	56442	18.140	ug/l #	100
73) Isopropylbenzene	12.25	105	315445	22.080	ug/l	99
74) N-amyl acetate	12.07	43	105994	19.409	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	92591	21.468	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	81283m	23.415	ug/l	
77) Bromobenzene	12.53	156	83948	20.909	ug/l	94
78) n-propylbenzene	12.59	91	319557	19.541	ug/l	99
79) 2-Chlorotoluene	12.67	91	203297	21.634	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	257791	21.420	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	21084	15.077	ug/l	94
82) 4-Chlorotoluene	12.77	91	187272	19.482	ug/l	100
83) tert-Butylbenzene	12.99	119	229961	21.915	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	253714	21.210	ug/l	99
85) sec-Butylbenzene	13.17	105	281343	20.835	ug/l	99
86) p-Isopropyltoluene	13.29	119	255019	19.517	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	126026	19.823	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	117609	19.458	ug/l	99
89) n-Butylbenzene	13.61	91	175689	17.549	ug/l	100
90) Hexachloroethane	13.87	117	45312	18.219	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	128464	20.254	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14653	17.576	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	54569	17.502	ug/l	99
94) Hexachlorobutadiene	15.01	225	46216	19.593	ug/l	98
95) Naphthalene	15.13	128	152075	17.472	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	62154	18.538	ug/l	99

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

