

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055534.D
 Acq On : 10 May 2019 7:29
 Operator : JC/SP
 Sample : VN0509WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509WBSD02

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 12:44:31 PM

Quant Time: May 10 09:46:00 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	657713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1193744	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1027744	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	390200	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	504917	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
35) Dibromofluoromethane	7.59	113	401858	52.19	ug/l	0.00
Spiked Amount			Recovery	=	104.38%	
50) Toluene-d8	10.09	98	1514015	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
62) 4-Bromofluorobenzene	12.40	95	492261	48.65	ug/l	0.00
Spiked Amount			Recovery	=	97.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	129340	19.315	ug/l	99
3) Chloromethane	2.06	50	219099	20.140	ug/l	98
4) Vinyl Chloride	2.19	62	208977	20.350	ug/l	100
5) Bromomethane	2.54	94	125088	22.232	ug/l	95
6) Chloroethane	2.69	64	129903	21.717	ug/l	100
7) Trichlorofluoromethane	3.01	101	237006	21.038	ug/l	99
8) Diethyl Ether	3.41	74	106615	21.072	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	141933	19.802	ug/l	98
10) Methyl Iodide	3.95	142	187317	19.336	ug/l	99
11) Tert butyl alcohol	4.81	59	137314	93.910	ug/l	99
12) 1,1-Dichloroethene	3.73	96	152459	21.209	ug/l	97
13) Acrolein	3.61	56	87810	90.108	ug/l	99
14) Allyl chloride	4.32	41	289699	19.674	ug/l	100
15) Acrylonitrile	5.00	53	443258	97.901	ug/l	100
16) Acetone	3.82	43	363020	79.169	ug/l	99
17) Carbon Disulfide	4.05	76	402218	20.501	ug/l	99
18) Methyl Acetate	4.33	43	198459	19.960	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	499763	20.923	ug/l	96
20) Methylene Chloride	4.55	84	190931	20.363	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	166459	21.358	ug/l	94
22) Diisopropyl ether	5.96	45	631037	21.088	ug/l	96
23) Vinyl Acetate	5.90	43	2324887	100.464	ug/l	99
24) 1,1-Dichloroethane	5.85	63	339887	21.042	ug/l	100
25) 2-Butanone	6.84	43	573853	90.597	ug/l	98
26) 2,2-Dichloropropane	6.82	77	146903	14.589	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	195484	21.703	ug/l	95
28) Bromochloromethane	7.19	49	186423	22.223	ug/l	95
29) Tetrahydrofuran	7.22	42	397717	94.980	ug/l	99
30) Chloroform	7.37	83	318698	21.342	ug/l	99
31) Cyclohexane	7.65	56	314612	19.685	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	244972	21.543	ug/l	99
36) 1,1-Dichloropropene	7.79	75	235664	20.039	ug/l	98
37) Ethyl Acetate	6.93	43	238375	18.581	ug/l	100
38) Carbon Tetrachloride	7.77	117	196593	19.852	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	262202	18.286	ug/l	98
40) Benzene	8.04	78	746001	20.439	ug/l	100
41) Methacrylonitrile	7.17	41	108393m	18.204	ug/l	
42) 1,2-Dichloroethane	8.12	62	256141	19.975	ug/l	100
43) Isopropyl Acetate	8.17	43	363032	18.627	ug/l #	88
44) Trichloroethene	8.84	130	178083	20.505	ug/l	95
45) 1,2-Dichloropropane	9.12	63	212071	20.307	ug/l	99
46) Dibromomethane	9.21	93	123780	20.448	ug/l	99
47) Bromodichloromethane	9.40	83	237104	20.474	ug/l	98
48) Methyl methacrylate	9.20	41	178201	18.977	ug/l	99
49) 1,4-Dioxane	9.20	88	69531	379.907	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	1157082	90.269	ug/l	99
52) Toluene	10.16	92	423325	20.287	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	213399	19.187	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	258969	19.485	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	171950	20.338	ug/l	99
56) Ethyl methacrylate	10.43	69	241911	19.237	ug/l	99
57) 1,3-Dichloropropane	10.71	76	301611	20.095	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	311456	82.402	ug/l	100
59) 2-Hexanone	10.75	43	802480	89.269	ug/l	100
60) Dibromochloromethane	10.90	129	157053	20.432	ug/l	99
61) 1,2-Dibromoethane	11.00	107	165664	20.394	ug/l	98
64) Tetrachloroethene	10.63	164	171062	20.313	ug/l	97
65) Chlorobenzene	11.43	112	434505	20.549	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	152041	20.887	ug/l	97
67) Ethyl Benzene	11.51	91	785195	19.772	ug/l	100
68) m/p-Xylenes	11.62	106	571346	40.090	ug/l	100
69) o-Xylene	11.95	106	279823	19.977	ug/l	98
70) Styrene	11.96	104	465606	20.747	ug/l	100
71) Bromoform	12.12	173	98333	20.018	ug/l #	99
73) Isopropylbenzene	12.25	105	747260	21.813	ug/l	100
74) N-amyl acetate	12.07	43	284493	19.204	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	236672	21.216	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	202792m	19.091	ug/l	
77) Bromobenzene	12.53	156	171873	19.987	ug/l	96
78) n-propylbenzene	12.59	91	818158	19.549	ug/l	99
79) 2-Chlorotoluene	12.67	91	518959	19.897	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	627664	20.113	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	48159	16.729	ug/l	96
82) 4-Chlorotoluene	12.77	91	485315	19.692	ug/l	98
83) tert-Butylbenzene	12.99	119	526868	19.697	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	578690	20.220	ug/l	100
85) sec-Butylbenzene	13.17	105	691547	19.453	ug/l	99
86) p-Isopropyltoluene	13.29	119	555454	19.199	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	281625	21.194	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	268568	20.480	ug/l	98
89) n-Butylbenzene	13.61	91	401682	17.912	ug/l	100
90) Hexachloroethane	13.87	117	93525	19.817	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	280197	21.099	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33952	18.922	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	95893	18.726	ug/l	99
94) Hexachlorobutadiene	15.01	225	86351	20.603	ug/l	99
95) Naphthalene	15.13	128	285898	19.478	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	111233	19.326	ug/l	100

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

