

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050619\
 Data File : VN055414.D
 Acq On : 6 May 2019 13:14
 Operator : JC/SP
 Sample : VN0506WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/7/2019 1:22:38 PM

Quant Time: May 07 01:54:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	387926	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	644065	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	534373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	201000	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	261813	51.59	ug/l	0.00
Spiked Amount			Recovery	=	103.18%	
35) Dibromofluoromethane	7.59	113	209964	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	
50) Toluene-d8	10.09	98	734847	48.14	ug/l	0.00
Spiked Amount			Recovery	=	96.28%	
62) 4-Bromofluorobenzene	12.40	95	238418	49.97	ug/l	0.00
Spiked Amount			Recovery	=	99.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	91212	19.191	ug/l	98
3) Chloromethane	2.06	50	100568	17.088	ug/l	100
4) Vinyl Chloride	2.19	62	91052	19.193	ug/l	99
5) Bromomethane	2.57	94	51033	20.308	ug/l	98
6) Chloroethane	2.71	64	51699	20.116	ug/l	99
7) Trichlorofluoromethane	3.02	101	135311	20.058	ug/l	97
8) Diethyl Ether	3.41	74	48067	20.366	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	79221	19.721	ug/l	99
10) Methyl Iodide	3.96	142	105639	18.686	ug/l	99
11) Tert butyl alcohol	4.79	59	30474	104.882	ug/l #	92
12) 1,1-Dichloroethene	3.74	96	76276	19.905	ug/l	99
13) Acrolein	3.62	56	15332	67.568	ug/l	98
14) Allyl chloride	4.33	41	157722	19.873	ug/l	98
15) Acrylonitrile	4.99	53	172717	105.755	ug/l	99
16) Acetone	3.82	43	141152	89.264	ug/l	99
17) Carbon Disulfide	4.06	76	171353	17.134	ug/l	97
18) Methyl Acetate	4.33	43	89749	22.734	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	231850	21.522	ug/l	100
20) Methylene Chloride	4.56	84	90923	18.838	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	80650	19.872	ug/l	95
22) Diisopropyl ether	5.95	45	337584	21.408	ug/l	94
23) Vinyl Acetate	5.90	43	1077583	104.264	ug/l	100
24) 1,1-Dichloroethane	5.85	63	172373	20.516	ug/l	99
25) 2-Butanone	6.84	43	202809	100.288	ug/l	99
26) 2,2-Dichloropropane	6.83	77	110523	19.049	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	95091	20.604	ug/l	98
28) Bromochloromethane	7.20	49	83459	19.706	ug/l	97
29) Tetrahydrofuran	7.22	42	144786	111.811	ug/l	96
30) Chloroform	7.37	83	163376	20.512	ug/l	100
31) Cyclohexane	7.66	56	153352	19.210	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	130473	20.184	ug/l	99
36) 1,1-Dichloropropene	7.79	75	111835	18.128	ug/l	99
37) Ethyl Acetate	6.93	43	90741	19.192	ug/l	99
38) Carbon Tetrachloride	7.78	117	109255	18.359	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	118057	17.999	ug/l	96
40) Benzene	8.04	78	352349	19.375	ug/l	99
41) Methacrylonitrile	7.18	41	52454	20.935	ug/l	94
42) 1,2-Dichloroethane	8.13	62	127228	19.752	ug/l	99
43) Isopropyl Acetate	8.17	43	159577	21.001	ug/l	99
44) Trichloroethene	8.84	130	87821	18.942	ug/l	100
45) 1,2-Dichloropropane	9.12	63	104668	19.955	ug/l	98
46) Dibromomethane	9.21	93	55011	19.187	ug/l	100
47) Bromodichloromethane	9.40	83	120576	19.604	ug/l	100
48) Methyl methacrylate	9.20	41	73997	19.810	ug/l	98
49) 1,4-Dioxane	9.20	88	15528	402.135	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	440738	103.024	ug/l	99
52) Toluene	10.16	92	200282	19.194	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	104291	19.532	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	126622	19.020	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	77227	19.930	ug/l	97
56) Ethyl methacrylate	10.43	69	96346	20.201	ug/l	99
57) 1,3-Dichloropropane	10.71	76	137207	20.185	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	100390	76.864	ug/l	100
59) 2-Hexanone	10.75	43	260812	97.438	ug/l	99
60) Dibromochloromethane	10.90	129	78514	19.826	ug/l	99
61) 1,2-Dibromoethane	11.00	107	70336	19.639	ug/l	99
64) Tetrachloroethene	10.63	164	87362	19.991	ug/l	99
65) Chlorobenzene	11.43	112	204308	19.555	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	76762	18.764	ug/l	97
67) Ethyl Benzene	11.51	91	378686	20.072	ug/l	99
68) m/p-Xylenes	11.62	106	268799	39.915	ug/l	98
69) o-Xylene	11.95	106	134057	20.084	ug/l	100
70) Styrene	11.96	104	213943	20.876	ug/l	99
71) Bromoform	12.13	173	46947	20.681	ug/l #	99
73) Isopropylbenzene	12.25	105	362245	20.803	ug/l	100
74) N-amyl acetate	12.07	43	95791	18.570	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	90960	20.995	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	74091m	18.232	ug/l	
77) Bromobenzene	12.53	156	82184	20.115	ug/l	99
78) n-propylbenzene	12.59	91	386202	18.705	ug/l	100
79) 2-Chlorotoluene	12.67	91	244139	20.860	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	294268	18.674	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	19446	18.334	ug/l	89
82) 4-Chlorotoluene	12.77	91	227040	18.912	ug/l	97
83) tert-Butylbenzene	12.99	119	248852	20.600	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	273297	19.393	ug/l	100
85) sec-Butylbenzene	13.17	105	318783	18.613	ug/l	100
86) p-Isopropyltoluene	13.29	119	266041	18.899	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	127788	18.999	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	124014	19.579	ug/l	99
89) n-Butylbenzene	13.61	91	179369	17.932	ug/l	99
90) Hexachloroethane	13.87	117	43257	18.412	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	133949	20.093	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12303	23.266	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	36210	16.176	ug/l	98
94) Hexachlorobutadiene	15.01	225	44800	20.693	ug/l	99
95) Naphthalene	15.13	128	80787	16.826	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	41448	17.790	ug/l	96

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

