

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030219\
 Data File : VN054036.D
 Acq On : 1 Mar 2019 18:22
 Operator : JC/SP
 Sample : VN0302WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0302WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/4/2019 1:53:47 PM

Quant Time: Mar 02 05:26:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	637468	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1057931	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	910547	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	381547	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	390314	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	
35) Dibromofluoromethane	7.59	113	341608	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
50) Toluene-d8	10.09	98	1245322	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
62) 4-Bromofluorobenzene	12.40	95	409766	48.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	113904	19.415	ug/l	99
3) Chloromethane	2.06	50	159141	19.556	ug/l	100
4) Vinyl Chloride	2.19	62	161821	19.847	ug/l	99
5) Bromomethane	2.57	94	80489	14.906	ug/l	99
6) Chloroethane	2.71	64	99003	19.524	ug/l	99
7) Trichlorofluoromethane	3.02	101	205627	19.741	ug/l	98
8) Diethyl Ether	3.41	74	78071	20.005	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.76	101	127481	19.378	ug/l	94
10) Methyl Iodide	3.96	142	126832	14.672	ug/l	98
11) Tert butyl alcohol	4.78	59	47222	99.684	ug/l	99
12) 1,1-Dichloroethene	3.74	96	120627	19.169	ug/l	91
13) Acrolein	3.61	56	45108	91.972	ug/l	97
14) Allyl chloride	4.33	41	226765	20.546	ug/l	95
15) Acrylonitrile	4.99	53	263464	105.525	ug/l	100
16) Acetone	3.81	43	201073	94.068	ug/l	95
17) Carbon Disulfide	4.06	76	364472	17.954	ug/l	98
18) Methyl Acetate	4.33	43	116490	22.294	ug/l	93
19) Methyl tert-butyl Ether	5.04	73	349952	20.731	ug/l	97
20) Methylene Chloride	4.55	84	143544	19.409	ug/l	89
21) trans-1,2-Dichloroethene	5.05	96	131400	19.293	ug/l	89
22) Diisopropyl ether	5.95	45	453759	21.311	ug/l	93
23) Vinyl Acetate	5.90	43	1567163	102.312	ug/l	96
24) 1,1-Dichloroethane	5.85	63	269387	20.631	ug/l	98
25) 2-Butanone	6.84	43	296018	100.889	ug/l	93
26) 2,2-Dichloropropane	6.83	77	187853	20.250	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	152438	20.125	ug/l	93
28) Bromochloromethane	7.20	49	129331	21.639	ug/l #	81
29) Tetrahydrofuran	7.21	42	203655	104.230	ug/l	90
30) Chloroform	7.37	83	254792	20.124	ug/l	99
31) Cyclohexane	7.66	56	242444	20.043	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	212336	20.339	ug/l	97
36) 1,1-Dichloropropene	7.79	75	187567	19.065	ug/l	97
37) Ethyl Acetate	6.93	43	127171	18.103	ug/l	98
38) Carbon Tetrachloride	7.77	117	181610	17.749	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	214001	18.047	ug/l	92
40) Benzene	8.04	78	586921	19.419	ug/l	100
41) Methacrylonitrile	7.18	41	86146m	19.044	ug/l	
42) 1,2-Dichloroethane	8.12	62	182497	19.503	ug/l	97
43) Isopropyl Acetate	8.16	43	223860	18.873	ug/l #	90
44) Trichloroethene	8.84	130	150597	18.795	ug/l	91
45) 1,2-Dichloropropane	9.12	63	161875	19.852	ug/l	99
46) Dibromomethane	9.21	93	90714	19.162	ug/l	92
47) Bromodichloromethane	9.40	83	195293	19.575	ug/l	98
48) Methyl methacrylate	9.20	41	107124	19.635	ug/l	94
49) 1,4-Dioxane	9.20	88	27794	376.131	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	627292	102.918	ug/l	94
52) Toluene	10.16	92	348473	19.581	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	183796	18.934	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	221951	19.395	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	127644	19.205	ug/l	97
56) Ethyl methacrylate	10.43	69	154934	19.038	ug/l	89
57) 1,3-Dichloropropane	10.71	76	221989	19.768	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	352571	95.782	ug/l	95
59) 2-Hexanone	10.75	43	388255	97.943	ug/l	93
60) Dibromochloromethane	10.90	129	136915	18.536	ug/l	98
61) 1,2-Dibromoethane	11.01	107	120565	18.805	ug/l	99
64) Tetrachloroethene	10.63	164	142233	18.447	ug/l	98
65) Chlorobenzene	11.44	112	370161	19.262	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	134083	19.360	ug/l	99
67) Ethyl Benzene	11.51	91	643010	19.960	ug/l	98
68) m/p-Xylenes	11.62	106	480748	39.539	ug/l	96
69) o-Xylene	11.95	106	235855	19.742	ug/l	97
70) Styrene	11.96	104	368129	20.033	ug/l	97
71) Bromoform	12.13	173	89333	18.541	ug/l #	96
73) Isopropylbenzene	12.25	105	626658	21.099	ug/l	99
74) N-amyl acetate	12.07	43	169485	21.772	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	150946	20.323	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	126284m	20.632	ug/l	
77) Bromobenzene	12.53	156	152949	20.283	ug/l	91
78) n-propylbenzene	12.59	91	706602	20.919	ug/l	98
79) 2-Chlorotoluene	12.67	91	420561	20.726	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	516274	21.233	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	36879	19.044	ug/l	91
82) 4-Chlorotoluene	12.77	91	412575	20.573	ug/l	96
83) tert-Butylbenzene	12.99	119	452779	21.054	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	515409	21.232	ug/l	98
85) sec-Butylbenzene	13.17	105	609412	20.748	ug/l	98
86) p-Isopropyltoluene	13.29	119	511504	20.600	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	255905	19.617	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	246573	19.483	ug/l	98
89) n-Butylbenzene	13.62	91	416558	19.906	ug/l	99
90) Hexachloroethane	13.88	117	91238	18.962	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	253667	20.088	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21972	20.934	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	117382	18.216	ug/l	99
94) Hexachlorobutadiene	15.01	225	80651	17.681	ug/l	98
95) Naphthalene	15.13	128	254084	18.950	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	119689	18.796	ug/l	98

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

