

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052819\
 Data File : VN055850.D
 Acq On : 28 May 2019 14:06
 Operator : JC/SP
 Sample : VN0528WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 11:09:57 AM

Quant Time: May 29 10:21:38 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	360310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	518238	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	452870	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	185898	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	185054	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
35) Dibromofluoromethane	7.59	113	166269	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
50) Toluene-d8	10.09	98	621331	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
62) 4-Bromofluorobenzene	12.40	95	200594	46.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	44548	18.371	ug/l	99
3) Chloromethane	2.06	50	62496	18.394	ug/l	97
4) Vinyl Chloride	2.19	62	68310	18.850	ug/l	99
5) Bromomethane	2.53	94	48692m	21.478	ug/l	
6) Chloroethane	2.68	64	43226	19.812	ug/l	99
7) Trichlorofluoromethane	3.01	101	93889	19.762	ug/l	99
8) Diethyl Ether	3.41	74	41381	19.433	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	57501	19.389	ug/l	98
10) Methyl Iodide	3.94	142	88833	20.488	ug/l	99
11) Tert butyl alcohol	4.82	59	73753	103.738	ug/l	98
12) 1,1-Dichloroethene	3.72	96	59205	19.321	ug/l	98
13) Acrolein	3.60	56	45712	89.794	ug/l	97
14) Allyl chloride	4.31	41	99239	18.891	ug/l	99
15) Acrylonitrile	4.99	53	165764	101.537	ug/l	99
16) Acetone	3.82	43	137419	84.014	ug/l	96
17) Carbon Disulfide	4.04	76	147445	16.936	ug/l	100
18) Methyl Acetate	4.33	43	72972	21.217	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	204148	19.975	ug/l	99
20) Methylene Chloride	4.54	84	67886	19.164	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	64198	19.501	ug/l	99
22) Diisopropyl ether	5.95	45	199851	19.560	ug/l	97
23) Vinyl Acetate	5.90	43	852109	97.271	ug/l	99
24) 1,1-Dichloroethane	5.84	63	115733	19.455	ug/l	100
25) 2-Butanone	6.84	43	213829	93.606	ug/l	99
26) 2,2-Dichloropropane	6.82	77	87266	16.950	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	76660	19.959	ug/l	98
28) Bromochloromethane	7.19	49	56457	19.933	ug/l	96
29) Tetrahydrofuran	7.22	42	147875	102.222	ug/l	99
30) Chloroform	7.37	83	119491	20.141	ug/l	99
31) Cyclohexane	7.65	56	109070	19.529	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	104332	19.707	ug/l	99
36) 1,1-Dichloropropene	7.79	75	84764	18.769	ug/l	99
37) Ethyl Acetate	6.93	43	89948	20.607	ug/l	98
38) Carbon Tetrachloride	7.77	117	87930	18.692	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	106773	19.092	ug/l	100
40) Benzene	8.04	78	271877	19.975	ug/l	99
41) Methacrylonitrile	7.17	41	40749	18.479	ug/l	92
42) 1,2-Dichloroethane	8.12	62	90200	20.281	ug/l	99
43) Isopropyl Acetate	8.17	43	142482	19.428	ug/l	100
44) Trichloroethene	8.83	130	77566	20.442	ug/l	97
45) 1,2-Dichloropropane	9.12	63	70330	19.832	ug/l	98
46) Dibromomethane	9.21	93	47355	20.362	ug/l	97
47) Bromodichloromethane	9.40	83	92558	19.409	ug/l	99
48) Methyl methacrylate	9.20	41	66810	19.766	ug/l	96
49) 1,4-Dioxane	9.20	88	28154	400.831	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	432315	99.810	ug/l	99
52) Toluene	10.16	92	173345	20.250	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	93342	18.337	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	108190	19.185	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	70193	20.468	ug/l	99
56) Ethyl methacrylate	10.43	69	102252	19.293	ug/l	97
57) 1,3-Dichloropropane	10.71	76	112049	20.101	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	183977	90.833	ug/l	99
59) 2-Hexanone	10.75	43	291280	94.796	ug/l	100
60) Dibromochloromethane	10.90	129	75901	18.999	ug/l	99
61) 1,2-Dibromoethane	11.00	107	71344	20.057	ug/l	99
64) Tetrachloroethene	10.63	164	79697	20.865	ug/l	99
65) Chlorobenzene	11.43	112	184370	20.337	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	71586	19.798	ug/l	99
67) Ethyl Benzene	11.51	91	320692	19.725	ug/l	98
68) m/p-Xylenes	11.62	106	244621	39.800	ug/l	99
69) o-Xylene	11.95	106	120612	19.779	ug/l	100
70) Styrene	11.96	104	193330	19.578	ug/l	100
71) Bromoform	12.13	173	55965	18.146	ug/l #	99
73) Isopropylbenzene	12.25	105	320263	22.766	ug/l	99
74) N-amyl acetate	12.07	43	110151	20.539	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	94702	22.349	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	76951m	22.295	ug/l	
77) Bromobenzene	12.53	156	85611	21.581	ug/l	93
78) n-propylbenzene	12.59	91	326312	20.196	ug/l	99
79) 2-Chlorotoluene	12.67	91	203232	21.921	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	257026	21.640	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	24982	18.081	ug/l	96
82) 4-Chlorotoluene	12.77	91	187949	19.789	ug/l	100
83) tert-Butylbenzene	12.99	119	231892	22.433	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	252926	21.422	ug/l	99
85) sec-Butylbenzene	13.17	105	285888	21.499	ug/l	100
86) p-Isopropyltoluene	13.29	119	259772	20.122	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	125665	20.006	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	116337	19.481	ug/l	98
89) n-Butylbenzene	13.61	91	182571	18.457	ug/l	99
90) Hexachloroethane	13.87	117	45598	18.556	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	127127	20.286	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15666	19.019	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	55856	18.002	ug/l	99
94) Hexachlorobutadiene	15.01	225	47691	20.548	ug/l	99
95) Naphthalene	15.13	128	182639	21.238	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	63727	19.237	ug/l	98

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

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