

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061319\
 Data File : VN056283.D
 Acq On : 13 Jun 2019 15:55
 Operator : JC/SP
 Sample : VN0613WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0613WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/14/2019 9:37:27 AM

Quant Time: Jun 14 08:58:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	328146	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	515978	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	450956	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	171880	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	183705	56.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.76%	
35) Dibromofluoromethane	7.59	113	164366	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
50) Toluene-d8	10.09	98	606254	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
62) 4-Bromofluorobenzene	12.40	95	197449	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	72400	20.295	ug/l	100
3) Chloromethane	2.06	50	77947	21.913	ug/l	100
4) Vinyl Chloride	2.18	62	78175	21.909	ug/l	98
5) Bromomethane	2.55	94	27101	12.024	ug/l	97
6) Chloroethane	2.69	64	46067	22.268	ug/l	99
7) Trichlorofluoromethane	3.01	101	99379	21.817	ug/l	100
8) Diethyl Ether	3.41	74	41566	22.190	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	63107	22.807	ug/l	97
10) Methyl Iodide	3.94	142	29047	6.606	ug/l	99
11) Tert butyl alcohol	4.81	59	57817	101.970	ug/l	96
12) 1,1-Dichloroethene	3.72	96	59747	21.689	ug/l	97
13) Acrolein	3.60	56	9804	59.953	ug/l	97
14) Allyl chloride	4.32	41	96742	22.240	ug/l	98
15) Acrylonitrile	4.99	53	175102	126.864	ug/l	100
16) Acetone	3.82	43	153732	98.654	ug/l	99
17) Carbon Disulfide	4.04	76	126214	19.135	ug/l	98
18) Methyl Acetate	4.33	43	89289	28.927	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	199637	22.736	ug/l	99
20) Methylene Chloride	4.54	84	70729	22.031	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	62830	21.287	ug/l	97
22) Diisopropyl ether	5.96	45	207791	23.109	ug/l	97
23) Vinyl Acetate	5.90	43	821310	115.986	ug/l	99
24) 1,1-Dichloroethane	5.85	63	120573	23.246	ug/l	99
25) 2-Butanone	6.85	43	231863	117.765	ug/l	99
26) 2,2-Dichloropropane	6.82	77	70929	17.525	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	76987	22.190	ug/l	99
28) Bromochloromethane	7.19	49	59103	24.096	ug/l	97
29) Tetrahydrofuran	7.22	42	156360	128.476	ug/l	98
30) Chloroform	7.37	83	122477	23.473	ug/l	100
31) Cyclohexane	7.65	56	108809	21.046	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	98503	22.607	ug/l	98
36) 1,1-Dichloropropene	7.79	75	85397	19.248	ug/l	99
37) Ethyl Acetate	6.94	43	87829	22.249	ug/l	99
38) Carbon Tetrachloride	7.77	117	82814	20.246	ug/l	97

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

39) Methylcyclohexane	9.08	83	102987	18.634	ug/l	99
40) Benzene	8.04	78	275444	20.441	ug/l	100
41) Methacrylonitrile	7.18	41	40420	22.254	ug/l #	88
42) 1,2-Dichloroethane	8.13	62	92513	21.343	ug/l	100
43) Isopropyl Acetate	8.17	43	135169	21.130	ug/l	98
44) Trichloroethene	8.83	130	74946	19.355	ug/l	96
45) 1,2-Dichloropropane	9.12	63	74945	21.713	ug/l	98
46) Dibromomethane	9.21	93	48307	21.402	ug/l	98
47) Bromodichloromethane	9.40	83	90885	22.217	ug/l	100
48) Methyl methacrylate	9.20	41	69738	22.284	ug/l	98
49) 1,4-Dioxane	9.21	88	30255	447.801	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	452032	112.999	ug/l	100
52) Toluene	10.16	92	169977	20.271	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	83176	18.909	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	102662	20.878	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	72056	21.694	ug/l	98
56) Ethyl methacrylate	10.43	69	101846	21.018	ug/l	98
57) 1,3-Dichloropropane	10.71	76	119360	22.106	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	153441	89.989	ug/l	98
59) 2-Hexanone	10.75	43	314519	108.479	ug/l	100
60) Dibromochloromethane	10.90	129	70666	20.796	ug/l	98
61) 1,2-Dibromoethane	11.01	107	73156	21.545	ug/l	99
64) Tetrachloroethene	10.63	164	73833	18.914	ug/l	96
65) Chlorobenzene	11.43	112	184937	20.606	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	68075	21.967	ug/l	100
67) Ethyl Benzene	11.51	91	319477	20.471	ug/l	100
68) m/p-Xylenes	11.62	106	236364	39.647	ug/l	98
69) o-Xylene	11.95	106	119646	20.403	ug/l	99
70) Styrene	11.96	104	189483	20.336	ug/l	99
71) Bromoform	12.13	173	49367	20.676	ug/l #	100
73) Isopropylbenzene	12.25	105	315813	24.545	ug/l	100
74) N-amyl acetate	12.07	43	105562	23.040	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	102515	25.692	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	82804m	26.182	ug/l	
77) Bromobenzene	12.53	156	100398	27.283	ug/l	77
78) n-propylbenzene	12.59	91	323072	22.218	ug/l	100
79) 2-Chlorotoluene	12.67	91	203254	23.993	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	255842	22.138	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	19665	20.707	ug/l #	83
82) 4-Chlorotoluene	12.77	91	186927	21.973	ug/l	98
83) tert-Butylbenzene	12.99	119	228581	24.078	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	245364	22.389	ug/l	100
85) sec-Butylbenzene	13.17	105	284744	22.112	ug/l	99
86) p-Isopropyltoluene	13.29	119	244259	21.194	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	119505	20.983	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	111185	20.294	ug/l	99
89) n-Butylbenzene	13.61	91	163920	19.200	ug/l	99
90) Hexachloroethane	13.87	117	41589	23.929	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	121607	21.148	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14108	24.720	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	42725	16.602	ug/l	98
94) Hexachlorobutadiene	15.01	225	43346	20.759	ug/l	97
95) Naphthalene	15.13	128	127933	18.214	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	51367	17.973	ug/l	99

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

