

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061019\
 Data File : VN056165.D
 Acq On : 10 Jun 2019 13:17
 Operator : JC/SP
 Sample : VN0610WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 12:08:18 PM

Quant Time: Jun 11 03:53:46 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	7.66	168	286885	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	422749	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	372133	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	147262	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	145839	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
35) Dibromofluoromethane	7.59	113	131744	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
50) Toluene-d8	10.09	98	486334	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
62) 4-Bromofluorobenzene	12.40	95	155959	45.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.90%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.85	85	59862	19.213	ug/l	98
3) Chloromethane	2.06	50	63247	20.338	ug/l	98
4) Vinyl Chloride	2.18	62	63261	20.279	ug/l	98
5) Bromomethane	2.53	94	39442	20.016	ug/l	100
6) Chloroethane	2.68	64	35657	19.715	ug/l	100
7) Trichlorofluoromethane	3.00	101	79220	19.893	ug/l	99
8) Diethyl Ether	3.40	74	31595	19.293	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	49640	20.520	ug/l	99
10) Methyl Iodide	3.94	142	69121	17.980	ug/l	99
11) Tert butyl alcohol	4.82	59	46826	94.463	ug/l	99
12) 1,1-Dichloroethene	3.72	96	47471	19.711	ug/l	93
13) Acrolein	3.60	56	11412	79.824	ug/l	97
14) Allyl chloride	4.31	41	75333	19.809	ug/l	98
15) Acrylonitrile	4.99	53	131845	109.262	ug/l	99
16) Acetone	3.82	43	121957	89.519	ug/l	96
17) Carbon Disulfide	4.04	76	102550	17.784	ug/l	99
18) Methyl Acetate	4.33	43	64044	23.627	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	153517	19.998	ug/l	98
20) Methylene Chloride	4.54	84	57739	20.571	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	50700	19.648	ug/l	98
22) Diisopropyl ether	5.95	45	160781	20.452	ug/l	98
23) Vinyl Acetate	5.90	43	624091	100.811	ug/l	99
24) 1,1-Dichloroethane	5.84	63	93578	20.636	ug/l	99
25) 2-Butanone	6.84	43	179900	104.514	ug/l	100
26) 2,2-Dichloropropane	6.82	77	61015	17.243	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	60829	20.054	ug/l	96
28) Bromochloromethane	7.19	49	46386	21.631	ug/l	100
29) Tetrahydrofuran	7.22	42	115412	108.469	ug/l	99
30) Chloroform	7.37	83	95677	20.974	ug/l	98
31) Cyclohexane	7.65	56	85547	18.926	ug/l #	94
32) 1,1,1-Trichloroethane	7.57	97	78321	20.560	ug/l	99
36) 1,1-Dichloropropene	7.79	75	67506	18.571	ug/l	98
37) Ethyl Acetate	6.93	43	69713	21.554	ug/l	99
38) Carbon Tetrachloride	7.77	117	65190	19.452	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	80333	17.740	ug/l	99
40) Benzene	8.04	78	218906	19.828	ug/l	98
41) Methacrylonitrile	7.17	41	31716	21.313	ug/l	94
42) 1,2-Dichloroethane	8.12	62	70338	19.806	ug/l	99
43) Isopropyl Acetate	8.17	43	104255	19.892	ug/l #	92
44) Trichloroethene	8.83	130	64126	20.213	ug/l	99
45) 1,2-Dichloropropane	9.12	63	58138	20.558	ug/l	98
46) Dibromomethane	9.21	93	38191	20.652	ug/l	98
47) Bromodichloromethane	9.40	83	69513	20.740	ug/l	98
48) Methyl methacrylate	9.20	41	53084	20.703	ug/l	97
49) 1,4-Dioxane	9.20	88	22035	398.061	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	341478	104.188	ug/l	100
52) Toluene	10.16	92	138823	20.207	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	65480	18.262	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	79546	19.745	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	56169	20.640	ug/l	98
56) Ethyl methacrylate	10.43	69	78617	19.802	ug/l	99
57) 1,3-Dichloropropane	10.71	76	89052	20.130	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	129586	92.300	ug/l	100
59) 2-Hexanone	10.75	43	236724	99.653	ug/l	99
60) Dibromochloromethane	10.90	129	55128	19.919	ug/l	99
61) 1,2-Dibromoethane	11.00	107	57085	20.519	ug/l	98
64) Tetrachloroethene	10.63	164	64477	20.016	ug/l	96
65) Chlorobenzene	11.43	112	146337	19.759	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	54034	21.130	ug/l	99
67) Ethyl Benzene	11.51	91	248568	19.301	ug/l	99
68) m/p-Xylenes	11.62	106	189360	38.491	ug/l	99
69) o-Xylene	11.95	106	93845	19.393	ug/l	100
70) Styrene	11.96	104	149930	19.500	ug/l	99
71) Bromoform	12.13	173	38430	19.660	ug/l #	99
73) Isopropylbenzene	12.25	105	246586	22.143	ug/l	100
74) N-amyl acetate	12.07	43	80368	20.473	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	75014	21.943	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	61440m	22.674	ug/l	
77) Bromobenzene	12.53	156	65414	20.748	ug/l	96
78) n-propylbenzene	12.59	91	249680	20.041	ug/l	99
79) 2-Chlorotoluene	12.67	91	158433	21.609	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	200264	20.226	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	14924	18.342	ug/l #	80
82) 4-Chlorotoluene	12.77	91	144824	19.870	ug/l	99
83) tert-Butylbenzene	12.99	119	182532	22.246	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	190424	20.281	ug/l	98
85) sec-Butylbenzene	13.17	105	224419	20.341	ug/l	100
86) p-Isopropyltoluene	13.29	119	196400	19.890	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	96604	19.797	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	90643	19.310	ug/l	99
89) n-Butylbenzene	13.61	91	131621	17.994	ug/l	99
90) Hexachloroethane	13.87	117	32465	21.802	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	100289	20.357	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11064	22.627	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	37043	16.749	ug/l	97
94) Hexachlorobutadiene	15.01	225	37851	21.200	ug/l	98
95) Naphthalene	15.13	128	100016	16.957	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	44493	18.137	ug/l	98

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

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