

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061019\
 Data File : VN056188.D
 Acq On : 11 Jun 2019 00:09
 Operator : JC/SP
 Sample : VN0610WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBS02

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 11:59:34 AM

Quant Time: Jun 11 04:48:29 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	276069	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	401315	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	362123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	144592	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	141171	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
35) Dibromofluoromethane	7.59	113	127782	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	
50) Toluene-d8	10.09	98	471576	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
62) 4-Bromofluorobenzene	12.40	95	154211	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	58252	19.425	ug/l	99
3) Chloromethane	2.06	50	61725	20.626	ug/l	98
4) Vinyl Chloride	2.19	62	61284	20.415	ug/l	99
5) Bromomethane	2.53	94	33026	17.416	ug/l	99
6) Chloroethane	2.68	64	35074	20.152	ug/l	96
7) Trichlorofluoromethane	3.00	101	76686	20.011	ug/l	98
8) Diethyl Ether	3.40	74	30883	19.597	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	48234	20.720	ug/l	99
10) Methyl Iodide	3.94	142	45055	12.179	ug/l	98
11) Tert butyl alcohol	4.82	59	44181	92.619	ug/l	99
12) 1,1-Dichloroethene	3.72	96	47972	20.699	ug/l	95
13) Acrolein	3.60	56	10398	75.580	ug/l	98
14) Allyl chloride	4.31	41	71955	19.662	ug/l	98
15) Acrylonitrile	4.99	53	136041	117.156	ug/l	100
16) Acetone	3.82	43	113873	86.860	ug/l	100
17) Carbon Disulfide	4.03	76	101842	18.353	ug/l	99
18) Methyl Acetate	4.33	43	64420	24.723	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	154303	20.888	ug/l	99
20) Methylene Chloride	4.54	84	56510	20.922	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	50555	20.359	ug/l	97
22) Diisopropyl ether	5.96	45	158780	20.989	ug/l	99
23) Vinyl Acetate	5.90	43	622924	104.565	ug/l	99
24) 1,1-Dichloroethane	5.84	63	92108	21.108	ug/l	99
25) 2-Butanone	6.84	43	179321	108.259	ug/l	100
26) 2,2-Dichloropropane	6.82	77	48606	14.275	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	59333	20.327	ug/l	97
28) Bromochloromethane	7.19	49	43654	21.154	ug/l	96
29) Tetrahydrofuran	7.22	42	117324	114.587	ug/l	100
30) Chloroform	7.37	83	94807	21.598	ug/l	99
31) Cyclohexane	7.65	56	80950	18.611	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	75749	20.664	ug/l	99
36) 1,1-Dichloropropene	7.79	75	66028	19.134	ug/l	99
37) Ethyl Acetate	6.93	43	71693	23.350	ug/l	99
38) Carbon Tetrachloride	7.77	117	66276	20.832	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	78040	18.155	ug/l	99
40) Benzene	8.04	78	215779	20.588	ug/l	100
41) Methacrylonitrile	7.17	41	30041	21.266	ug/l	91
42) 1,2-Dichloroethane	8.12	62	71224	21.127	ug/l	100
43) Isopropyl Acetate	8.17	43	105468	21.198	ug/l #	92
44) Trichloroethene	8.83	130	60254	20.007	ug/l	96
45) 1,2-Dichloropropane	9.12	63	57201	21.307	ug/l	99
46) Dibromomethane	9.21	93	38656	22.020	ug/l	99
47) Bromodichloromethane	9.40	83	70184	22.059	ug/l	99
48) Methyl methacrylate	9.20	41	53194	21.854	ug/l	99
49) 1,4-Dioxane	9.21	88	22596	429.997	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	351772	113.061	ug/l	100
52) Toluene	10.16	92	136187	20.882	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	62702	18.401	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	76369	19.969	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	56947	22.044	ug/l	99
56) Ethyl methacrylate	10.43	69	79329	21.049	ug/l	99
57) 1,3-Dichloropropane	10.71	76	91841	21.869	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	131378	97.564	ug/l	99
59) 2-Hexanone	10.75	43	245209	108.738	ug/l	100
60) Dibromochloromethane	10.90	129	57215	21.548	ug/l	99
61) 1,2-Dibromoethane	11.00	107	56742	21.485	ug/l	97
64) Tetrachloroethene	10.63	164	63567	20.279	ug/l	99
65) Chlorobenzene	11.43	112	146221	20.289	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	54154	21.762	ug/l	99
67) Ethyl Benzene	11.51	91	249028	19.872	ug/l	98
68) m/p-Xylenes	11.62	106	189280	39.538	ug/l	99
69) o-Xylene	11.95	106	93184	19.788	ug/l	100
70) Styrene	11.96	104	150005	20.049	ug/l	100
71) Bromoform	12.13	173	40479	21.055	ug/l #	99
73) Isopropylbenzene	12.25	105	249016	22.847	ug/l	100
74) N-amyl acetate	12.07	43	83525	21.670	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	78049	23.252	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	66998m	25.182	ug/l	
77) Bromobenzene	12.53	156	66714	21.551	ug/l	95
78) n-propylbenzene	12.59	91	251070	20.525	ug/l	99
79) 2-Chlorotoluene	12.67	91	160124	22.314	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	200548	20.629	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	14669	18.361	ug/l #	81
82) 4-Chlorotoluene	12.77	91	145934	20.392	ug/l	99
83) tert-Butylbenzene	12.99	119	183471	22.841	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	190855	20.702	ug/l	98
85) sec-Butylbenzene	13.17	105	226585	20.916	ug/l	100
86) p-Isopropyltoluene	13.29	119	197535	20.375	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	98088	20.472	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	90678	19.674	ug/l	99
89) n-Butylbenzene	13.61	91	130643	18.190	ug/l	99
90) Hexachloroethane	13.87	117	32465	22.204	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	99368	20.542	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11292	23.520	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	37294	17.066	ug/l	98
94) Hexachlorobutadiene	15.01	225	37070	21.140	ug/l	98
95) Naphthalene	15.13	128	101291	17.369	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	45059	18.612	ug/l	99

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

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