

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070419\
 Data File : VN056593.D
 Acq On : 3 Jul 2019 18:38
 Operator : JC/SP
 Sample : VN0704WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0704WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/8/2019 10:08:08 AM

Quant Time: Jul 03 23:22:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	274899	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	422977	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	374324	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	158976	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	156292	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	
35) Dibromofluoromethane	7.59	113	135408	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
50) Toluene-d8	10.09	98	507356	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
62) 4-Bromofluorobenzene	12.40	95	170912	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	44020	18.911	ug/l	100
3) Chloromethane	2.06	50	59743	18.850	ug/l	95
4) Vinyl Chloride	2.18	62	57964	18.935	ug/l	99
5) Bromomethane	2.53	94	35476m	19.768	ug/l	
6) Chloroethane	2.68	64	32332	18.238	ug/l	96
7) Trichlorofluoromethane	3.00	101	79377	20.046	ug/l	100
8) Diethyl Ether	3.41	74	34573	20.630	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	51161	20.260	ug/l	98
10) Methyl Iodide	3.95	142	62692	18.369	ug/l	98
11) Tert butyl alcohol	4.80	59	63414	123.578	ug/l	98
12) 1,1-Dichloroethene	3.73	96	47695	19.640	ug/l	96
13) Acrolein	3.60	56	23257	53.775	ug/l	96
14) Allyl chloride	4.32	41	82575	20.427	ug/l	99
15) Acrylonitrile	4.99	53	157917	111.239	ug/l	99
16) Acetone	3.82	43	135228	88.590	ug/l	99
17) Carbon Disulfide	4.05	76	88034	15.938	ug/l	99
18) Methyl Acetate	4.33	43	71199	23.352	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	171130	21.297	ug/l	99
20) Methylene Chloride	4.55	84	59134	20.016	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	50267	19.199	ug/l	97
22) Diisopropyl ether	5.95	45	189655	22.340	ug/l	99
23) Vinyl Acetate	5.90	43	755380	112.810	ug/l	100
24) 1,1-Dichloroethane	5.85	63	103593	21.257	ug/l	99
25) 2-Butanone	6.84	43	217167	107.494	ug/l	100
26) 2,2-Dichloropropane	6.83	77	65682	19.379	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	63313	20.669	ug/l	99
28) Bromochloromethane	7.19	49	50241	20.843	ug/l	97
29) Tetrahydrofuran	7.21	42	143828	116.498	ug/l	99
30) Chloroform	7.37	83	103050	21.430	ug/l	98
31) Cyclohexane	7.65	56	90340	19.202	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	79241	20.789	ug/l	99
36) 1,1-Dichloropropene	7.79	75	72946	19.594	ug/l	99
37) Ethyl Acetate	6.93	43	85399	23.341	ug/l	99
38) Carbon Tetrachloride	7.77	117	64955	19.951	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	84339	18.359	ug/l	97
40) Benzene	8.04	78	232217	20.278	ug/l	99
41) Methacrylonitrile	7.17	41	32430	20.073	ug/l	95
42) 1,2-Dichloroethane	8.13	62	79693	21.087	ug/l	98
43) Isopropyl Acetate	8.17	43	129686	22.987	ug/l	99
44) Trichloroethene	8.83	130	60953	19.759	ug/l	99
45) 1,2-Dichloropropane	9.12	63	64928	21.200	ug/l	98
46) Dibromomethane	9.21	93	39070	20.390	ug/l	98
47) Bromodichloromethane	9.40	83	71791	21.125	ug/l	99
48) Methyl methacrylate	9.20	41	61536	21.766	ug/l	99
49) 1,4-Dioxane	9.20	88	27628	470.912	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	428979	117.809	ug/l	100
52) Toluene	10.16	92	141472	20.206	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	74057	20.520	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	86012	21.018	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	61103	21.712	ug/l	97
56) Ethyl methacrylate	10.43	69	92215	22.421	ug/l	99
57) 1,3-Dichloropropane	10.71	76	101419	21.452	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	225242	152.444	ug/l	99
59) 2-Hexanone	10.75	43	305942	114.318	ug/l	100
60) Dibromochloromethane	10.90	129	55952	20.803	ug/l	98
61) 1,2-Dibromoethane	11.00	107	60060	20.895	ug/l	99
64) Tetrachloroethene	10.63	164	55193	18.619	ug/l	96
65) Chlorobenzene	11.43	112	149834	19.921	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	54786	21.552	ug/l	98
67) Ethyl Benzene	11.51	91	264889	20.057	ug/l	100
68) m/p-Xylenes	11.62	106	196479	40.595	ug/l	99
69) o-Xylene	11.95	106	97456	20.353	ug/l	99
70) Styrene	11.96	104	161525	21.104	ug/l	99
71) Bromoform	12.13	173	38109	20.557	ug/l #	99
73) Isopropylbenzene	12.25	105	258997	20.082	ug/l	100
74) N-amyl acetate	12.07	43	106255	21.001	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	90067	22.685	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	71657m	21.738	ug/l	
77) Bromobenzene	12.53	156	66239	18.634	ug/l	94
78) n-propylbenzene	12.59	91	281175	19.314	ug/l	99
79) 2-Chlorotoluene	12.67	91	172924	20.151	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	216627	20.310	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	19667	21.205	ug/l	95
82) 4-Chlorotoluene	12.77	91	168472	19.599	ug/l	99
83) tert-Butylbenzene	12.99	119	188764	19.996	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	214199	20.014	ug/l	99
85) sec-Butylbenzene	13.17	105	245322	19.172	ug/l	99
86) p-Isopropyltoluene	13.29	119	217333	19.791	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	109452	20.318	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	104353	20.002	ug/l	99
89) n-Butylbenzene	13.61	91	171820	20.668	ug/l	99
90) Hexachloroethane	13.87	117	30369	17.738	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	112647	21.076	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14436	24.541	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	51914	22.172	ug/l	99
94) Hexachlorobutadiene	15.01	225	35612	18.477	ug/l	98
95) Naphthalene	15.13	128	147708	23.421	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	56962	22.462	ug/l	99

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

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