

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090119\
 Data File : VN057619.D
 Acq On : 31 Aug 2019 17:24
 Operator : JC/SP
 Sample : VN0901WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0901WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 11:52:19 AM

Quant Time: Sep 01 00:21:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 15:54:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	184706	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	314979	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	292406	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	115454	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	212109	50.84	ug/l	0.00
Spiked Amount			Recovery	=	101.68%	
35) Dibromofluoromethane	7.58	113	134667	48.96	ug/l	0.00
Spiked Amount			Recovery	=	97.92%	
50) Toluene-d8	10.08	98	543242	51.44	ug/l	0.00
Spiked Amount			Recovery	=	102.88%	
62) 4-Bromofluorobenzene	12.40	95	187666	46.73	ug/l	0.00
Spiked Amount			Recovery	=	93.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	62499	21.160	ug/l	99
3) Chloromethane	2.05	50	77191	22.670	ug/l	97
4) Vinyl Chloride	2.18	62	58647	21.990	ug/l	95
5) Bromomethane	2.51	94	40648	24.088	ug/l	100
6) Chloroethane	2.67	64	31957	21.452	ug/l	96
7) Trichlorofluoromethane	3.00	101	81233	21.699	ug/l	99
8) Diethyl Ether	3.40	74	25567	20.639	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	40217	21.190	ug/l	99
10) Methyl Iodide	3.92	142	51919	21.187	ug/l	98
11) Tert butyl alcohol	4.82	59	45638	104.285	ug/l #	95
12) 1,1-Dichloroethene	3.71	96	37558	21.830	ug/l	91
13) Acrolein	3.58	56	16795	96.521	ug/l	96
14) Allyl chloride	4.29	41	110368	20.563	ug/l	100
15) Acrylonitrile	4.97	53	140101	106.689	ug/l	100
16) Acetone	3.81	43	105666	90.363	ug/l	99
17) Carbon Disulfide	4.02	76	115974	20.851	ug/l	99
18) Methyl Acetate	4.31	43	81304	20.250	ug/l	99
19) Methyl tert-butyl Ether	5.03	73	190123	21.360	ug/l	97
20) Methylene Chloride	4.52	84	64351	22.229	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	54984	21.497	ug/l	98
22) Diisopropyl ether	5.94	45	233483	21.161	ug/l	97
23) Vinyl Acetate	5.88	43	912500	107.610	ug/l	99
24) 1,1-Dichloroethane	5.82	63	117983	21.302	ug/l	99
25) 2-Butanone	6.83	43	198911	102.084	ug/l	99
26) 2,2-Dichloropropane	6.81	77	83880	18.947	ug/l	78
27) cis-1,2-Dichloroethene	6.81	96	63777	20.881	ug/l	97
28) Bromochloromethane	7.18	49	60153	20.395	ug/l	97
29) Tetrahydrofuran	7.20	42	129134	105.636	ug/l	99
30) Chloroform	7.36	83	116904	20.806	ug/l	93
31) Cyclohexane	7.64	56	118318	21.404	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	95848	20.795	ug/l	99
36) 1,1-Dichloropropene	7.78	75	84894	20.329	ug/l	99
37) Ethyl Acetate	6.92	43	85671	21.537	ug/l	99
38) Carbon Tetrachloride	7.75	117	74742	19.995	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	101602	20.593	ug/l	98
40) Benzene	8.03	78	255455	21.015	ug/l	97
41) Methacrylonitrile	7.17	41	47769m	22.728	ug/l	
42) 1,2-Dichloroethane	8.11	62	105441	21.356	ug/l	99
43) Isopropyl Acetate	8.16	43	148824	20.795	ug/l	99
44) Trichloroethene	8.82	130	57313	20.784	ug/l	97
45) 1,2-Dichloropropane	9.11	63	72346	21.366	ug/l	96
46) Dibromomethane	9.20	93	44084	21.028	ug/l	97
47) Bromodichloromethane	9.40	83	83346	19.568	ug/l	99
48) Methyl methacrylate	9.19	41	77686	21.261	ug/l	97
49) 1,4-Dioxane	9.20	88	16762	391.757	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	446842	108.937	ug/l	100
52) Toluene	10.15	92	152147	21.177	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	84501	19.835	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	97355	19.764	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	58007	21.280	ug/l	98
56) Ethyl methacrylate	10.43	69	96140	21.135	ug/l	97
57) 1,3-Dichloropropane	10.71	76	106524	21.300	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	122580	92.106	ug/l	100
59) 2-Hexanone	10.75	43	313312	104.014	ug/l	97
60) Dibromochloromethane	10.90	129	53089	20.051	ug/l	100
61) 1,2-Dibromoethane	11.00	107	56278	20.504	ug/l	98
64) Tetrachloroethene	10.63	164	52174	20.607	ug/l	96
65) Chlorobenzene	11.43	112	153113	20.897	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	51531	20.165	ug/l	97
67) Ethyl Benzene	11.51	91	302085	21.219	ug/l	100
68) m/p-Xylenes	11.62	106	208717	41.615	ug/l	99
69) o-Xylene	11.95	106	102389	21.065	ug/l	100
70) Styrene	11.96	104	162567	20.207	ug/l	99
71) Bromoform	12.13	173	29449	19.796	ug/l #	96
73) Isopropylbenzene	12.25	105	276212	23.696	ug/l	100
74) N-amyl acetate	12.07	43	128070	23.281	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	79317	23.087	ug/l	96
76) 1,2,3-Trichloropropane	12.56	75	70931m	23.356	ug/l	
77) Bromobenzene	12.53	156	56895	22.933	ug/l	96
78) n-propylbenzene	12.59	91	298414	23.001	ug/l	98
79) 2-Chlorotoluene	12.68	91	190689	23.571	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	222727	23.226	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	16298	18.396	ug/l	90
82) 4-Chlorotoluene	12.78	91	175103	21.866	ug/l	99
83) tert-Butylbenzene	12.99	119	194949	23.959	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	211517	22.798	ug/l	99
85) sec-Butylbenzene	13.17	105	242373	22.145	ug/l	99
86) p-Isopropyltoluene	13.29	119	199704	22.063	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	87535	21.657	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	83650	21.426	ug/l	99
89) n-Butylbenzene	13.62	91	189687	22.363	ug/l	99
90) Hexachloroethane	13.88	117	31828	20.255	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	83649	21.688	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11532	21.800	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	28163	22.328	ug/l	98
94) Hexachlorobutadiene	15.01	225	28244	21.340	ug/l	97
95) Naphthalene	15.13	128	81043	21.024	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	27189	21.477	ug/l	96

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

