

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030920\
 Data File : VN060394.D
 Acq On : 9 Mar 2020 11:47
 Operator : JC/MD
 Sample : VN0309WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0309WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/10/2020 10:46:05 AM

Quant Time: Mar 09 16:45:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	200275	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	327012	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	300175	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	142704	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	126157	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
35) Dibromofluoromethane	7.56	113	92212	60.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.50%	
50) Toluene-d8	10.08	98	364300	47.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.84%	
62) 4-Bromofluorobenzene	12.40	95	135817	46.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.28%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.83	85	30218	16.46	ug/l	98
3) Chloromethane	2.04	50	53952	16.88	ug/l	99
4) Vinyl Chloride	2.16	62	46097	16.81	ug/l	98
5) Bromomethane	2.54	94	18313	14.91	ug/l	97
6) Chloroethane	2.68	64	25179	16.95	ug/l	94
7) Trichlorofluoromethane	3.00	101	60801	17.36	ug/l	99
8) Diethyl Ether	3.38	74	25107	18.98	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	35464	17.89	ug/l	97
10) Methyl Iodide	3.92	142	30889	17.07	ug/l	100
11) Tert butyl alcohol	4.72	59	38819	101.74	ug/l	100
12) 1,1-Dichloroethene	3.71	96	35355	18.33	ug/l	94
13) Acrolein	3.58	56	32214	90.50	ug/l	100
14) Allyl chloride	4.29	41	66558	18.76	ug/l	99
15) Acrylonitrile	4.94	53	103149	102.57	ug/l	98
16) Acetone	3.78	43	82854	99.85	ug/l	99
17) Carbon Disulfide	4.03	76	86886	16.54	ug/l	99
18) Methyl Acetate	4.29	43	54125	19.55	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	136365	19.52	ug/l	99
20) Methylene Chloride	4.52	84	41615	18.26	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	37794	18.01	ug/l	97
22) Diisopropyl ether	5.91	45	142978	19.90	ug/l	94
23) Vinyl Acetate	5.86	43	568110	99.49	ug/l	100
24) 1,1-Dichloroethane	5.81	63	77246	18.99	ug/l	98
25) 2-Butanone	6.80	43	136484	101.83	ug/l	100
26) 1,2-Dichloropropane	6.79	77	68907	18.61	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	47596	18.01	ug/l	99
28) Bromochloromethane	7.17	49	31980	19.15	ug/l	97
29) Tetrahydrofuran	7.18	42	93602	100.43	ug/l	98
30) Chloroform	7.35	83	78586	19.41	ug/l	99
31) Cyclohexane	7.63	56	67283	18.54	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	66655	18.58	ug/l	100
36) 1,1-Dichloropropene	7.77	75	55419	17.78	ug/l	99
37) Ethyl Acetate	6.89	43	61045	20.69	ug/l	99
38) Carbon Tetrachloride	7.75	117	54573	17.98	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	64399	17.53	ug/l	98
40) Benzene	8.02	78	170782	18.83	ug/l	98
41) Methacrylonitrile	7.14	41	23759m	17.44	ug/l	
42) 1,2-Dichloroethane	8.10	62	63270	19.33	ug/l	100
43) Isopropyl Acetate	8.14	43	104903	20.31	ug/l	99
44) Trichloroethene	8.82	130	46179	18.28	ug/l	98
45) 1,2-Dichloropropane	9.10	63	47939	20.21	ug/l	99
46) Dibromomethane	9.19	93	29500	19.17	ug/l	100
47) Bromodichloromethane	9.39	83	61177	19.55	ug/l	97
48) Methyl methacrylate	9.18	41	44176	18.75	ug/l	99
49) 1,4-Dioxane	9.18	88	13903	419.65	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	300424	102.56	ug/l	99
52) Toluene	10.14	92	104546	18.35	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	72469	18.90	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	76758	19.32	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	43845	19.13	ug/l	98
56) Ethyl methacrylate	10.42	69	63980	19.43	ug/l	98
57) 1,3-Dichloropropane	10.70	76	74257	19.87	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	164468	95.52	ug/l	100
59) 2-Hexanone	10.74	43	214578	99.77	ug/l	100
60) Dibromochloromethane	10.89	129	45331	19.45	ug/l	97
61) 1,2-Dibromoethane	10.99	107	42064	18.83	ug/l	98
64) Tetrachloroethene	10.62	164	50517	20.54	ug/l	97
65) Chlorobenzene	11.43	112	110855	18.29	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	42858	19.12	ug/l	98
67) Ethyl Benzene	11.50	91	204863	18.56	ug/l	99
68) m/p-Xylenes	11.62	106	149859	35.98	ug/l	97
69) o-Xylene	11.94	106	75148	18.92	ug/l	99
70) Styrene	11.96	104	119537	18.31	ug/l	99
71) Bromoform	12.12	173	31134	19.28	ug/l #	100
73) Isopropylbenzene	12.25	105	199347	18.85	ug/l	100
74) N-amyl acetate	12.07	43	88723	19.20	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	56755	19.74	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	56982m	18.20	ug/l	
77) Bromobenzene	12.52	156	48278	18.62	ug/l	98
78) n-propylbenzene	12.59	91	229953	18.55	ug/l	100
79) 2-Chlorotoluene	12.67	91	136761	18.77	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	166318	18.68	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	22041	19.43	ug/l #	86
82) 4-Chlorotoluene	12.77	91	141556	18.44	ug/l	98
83) tert-Butylbenzene	12.99	119	142929	18.54	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	168783	18.78	ug/l	99
85) sec-Butylbenzene	13.17	105	188698	18.28	ug/l	99
86) p-Isopropyltoluene	13.28	119	171384	17.93	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	86659	19.34	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	86102	19.22	ug/l	99
89) n-Butylbenzene	13.61	91	152853	17.42	ug/l	99
90) Hexachloroethane	13.87	117	23084	16.69	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	84274	18.55	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12276	18.85	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	52985	18.41	ug/l	99
94) Hexachlorobutadiene	15.01	225	25616	18.95	ug/l	99
95) Naphthalene	15.13	128	155602	18.13	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	50607	18.50	ug/l	99

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

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