

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041319\
 Data File : VN055000.D
 Acq On : 12 Apr 2019 15:39
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/16/2019 1:58:04 PM

Quant Time: Apr 13 03:16:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 02:20:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	419374	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	661295	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	581162	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	236087	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	116317	21.10	ug/l	0.00
Spiked Amount			Recovery	=	42.20%	
35) Dibromofluoromethane	7.59	113	92248	21.43	ug/l	0.00
Spiked Amount			Recovery	=	42.86%	
50) Toluene-d8	10.09	98	341473	21.00	ug/l	0.00
Spiked Amount			Recovery	=	42.00%	
62) 4-Bromofluorobenzene	12.40	95	109655	20.26	ug/l	0.00
Spiked Amount			Recovery	=	40.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	96810	19.586	ug/l	98
3) Chloromethane	2.06	50	124249	19.066	ug/l	98
4) Vinyl Chloride	2.19	62	102483	18.137	ug/l	100
5) Bromomethane	2.56	94	59782	18.496	ug/l	98
6) Chloroethane	2.71	64	56623	17.906	ug/l	97
7) Trichlorofluoromethane	3.02	101	132592	19.238	ug/l	99
8) Diethyl Ether	3.41	74	40719	18.430	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	66931	18.348	ug/l	99
10) Methyl Iodide	3.94	142	99931	19.439	ug/l	99
11) Tert butyl alcohol	4.82	59	31313	106.625	ug/l #	93
12) 1,1-Dichloroethene	3.73	96	64089	17.757	ug/l	94
13) Acrolein	3.61	56	37939	98.899	ug/l	98
14) Allyl chloride	4.32	41	159284	19.647	ug/l	98
15) Acrylonitrile	5.00	53	176898	102.188	ug/l	99
16) Acetone	3.82	43	148077	95.439	ug/l	96
17) Carbon Disulfide	4.04	76	201405	17.527	ug/l	100
18) Methyl Acetate	4.33	43	82802	19.716	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	235566	19.716	ug/l	99
20) Methylene Chloride	4.55	84	98563	19.260	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	85455	18.752	ug/l	94
22) Diisopropyl ether	5.96	45	331642	19.845	ug/l	98
23) Vinyl Acetate	5.90	43	1128251	96.907	ug/l	100
24) 1,1-Dichloroethane	5.85	63	174583	19.218	ug/l	98
25) 2-Butanone	6.85	43	226984	108.456	ug/l	99
26) 2,2-Dichloropropane	6.82	77	111393	17.606	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	100213	19.310	ug/l	99
28) Bromochloromethane	7.19	49	86176	20.089	ug/l	99
29) Tetrahydrofuran	7.22	42	144756	104.618	ug/l	100
30) Chloroform	7.37	83	168760	19.576	ug/l	99
31) Cyclohexane	7.65	56	169272	16.327	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	134213	18.526	ug/l	99
36) 1,1-Dichloropropene	7.79	75	120687	18.685	ug/l	100
37) Ethyl Acetate	6.94	43	96793	21.322	ug/l	100
38) Carbon Tetrachloride	7.77	117	111074	17.867	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	140879	19.795	ug/l	99
40) Benzene	8.04	78	375499	20.087	ug/l	98
41) Methacrylonitrile	7.17	41	51980	20.086	ug/l	97
42) 1,2-Dichloroethane	8.13	62	130838	19.877	ug/l	99
43) Isopropyl Acetate	8.17	43	154746	20.259	ug/l	99
44) Trichloroethene	8.83	130	93907	19.629	ug/l	98
45) 1,2-Dichloropropane	9.12	63	106219	20.389	ug/l	100
46) Dibromomethane	9.21	93	61170	20.535	ug/l	98
47) Bromodichloromethane	9.40	83	122257	19.690	ug/l	97
48) Methyl methacrylate	9.20	41	78403	20.416	ug/l	99
49) 1,4-Dioxane	9.20	88	18466	467.147	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	457202	106.705	ug/l	99
52) Toluene	10.16	92	224751	20.432	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	104668	18.371	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	137156	19.673	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	83436	20.720	ug/l	98
56) Ethyl methacrylate	10.43	69	100673	19.197	ug/l	98
57) 1,3-Dichloropropane	10.71	76	146945	20.910	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	194013	94.128	ug/l	99
59) 2-Hexanone	10.75	43	285470	107.123	ug/l	100
60) Dibromochloromethane	10.90	129	80726	19.269	ug/l	98
61) 1,2-Dibromoethane	11.01	107	76713	20.317	ug/l	99
64) Tetrachloroethene	10.63	164	91395	19.640	ug/l	96
65) Chlorobenzene	11.43	112	227557	19.444	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	84246	19.658	ug/l	99
67) Ethyl Benzene	11.51	91	417520	19.798	ug/l	100
68) m/p-Xylenes	11.62	106	308730	40.007	ug/l	100
69) o-Xylene	11.95	106	152324	20.271	ug/l	99
70) Styrene	11.96	104	245287	20.322	ug/l	99
71) Bromoform	12.13	173	47799	18.427	ug/l #	97
73) Isopropylbenzene	12.25	105	402317	20.310	ug/l	98
74) N-amyl acetate	12.07	43	113921	20.537	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	102937	20.846	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	84154m	19.736	ug/l	
77) Bromobenzene	12.53	156	94714	19.718	ug/l	98
78) n-propylbenzene	12.59	91	441416	20.220	ug/l	100
79) 2-Chlorotoluene	12.67	91	269177	19.895	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	332694	20.465	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	19579	19.245	ug/l	97
82) 4-Chlorotoluene	12.77	91	257916	20.157	ug/l	99
83) tert-Butylbenzene	12.99	119	283241	20.427	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	322307	20.508	ug/l	100
85) sec-Butylbenzene	13.17	105	362019	20.184	ug/l	100
86) p-Isopropyltoluene	13.29	119	320152	20.737	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	159790	20.067	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	150584	19.839	ug/l	99
89) n-Butylbenzene	13.61	91	233434	19.053	ug/l	100
90) Hexachloroethane	13.87	117	47121	18.350	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	157434	20.075	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12400	18.045	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	60261	17.477	ug/l	100
94) Hexachlorobutadiene	15.01	225	51864	19.738	ug/l	96
95) Naphthalene	15.13	128	130595	17.150	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	64153	17.908	ug/l	98

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

