

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041620\
 Data File : VN061005.D
 Acq On : 16 Apr 2020 11:56
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/17/2020 11:53:01 AM

Quant Time: Apr 16 13:02:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 16 12:43:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	161261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	274107	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	246269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	110922	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	41782	19.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.68%	
35) Dibromofluoromethane	7.56	113	32529	19.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.88%	
50) Toluene-d8	10.08	98	118097	18.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.18%	
62) 4-Bromofluorobenzene	12.39	95	46096	18.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	42276	25.555	ug/l	97
3) Chloromethane	2.04	50	59411	20.344	ug/l	98
4) Vinyl Chloride	2.17	62	49281	21.419	ug/l	97
5) Bromomethane	2.55	94	24481	23.868	ug/l	99
6) Chloroethane	2.69	64	28549	21.536	ug/l	99
7) Trichlorofluoromethane	3.00	101	61580	21.654	ug/l	100
8) Diethyl Ether	3.38	74	24007	21.108	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	34688	21.170	ug/l	99
10) Methyl Iodide	3.93	142	28871	19.594	ug/l	99
11) Tert butyl alcohol	4.72	59	36177	108.467	ug/l	99
12) 1,1-Dichloroethene	3.72	96	35936	20.527	ug/l	97
13) Acrolein	3.57	56	29019	83.543	ug/l	99
14) Allyl chloride	4.29	41	70854	22.743	ug/l	93
15) Acrylonitrile	4.94	53	103195	106.758	ug/l	99
16) Acetone	3.78	43	96994	119.125	ug/l	99
17) Carbon Disulfide	4.03	76	112079	20.994	ug/l	98
18) Methyl Acetate	4.28	43	59148	25.458	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	122558	20.296	ug/l	99
20) Methylene Chloride	4.52	84	39834	20.567	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	38569	20.674	ug/l	97
22) Diisopropyl ether	5.91	45	140921	21.518	ug/l	98
23) Vinyl Acetate	5.86	43	550476	103.595	ug/l	100
24) 1,1-Dichloroethane	5.81	63	75848	21.253	ug/l	99
25) 2-Butanone	6.80	43	141550	109.325	ug/l	99
26) 2,2-Dichloropropane	6.79	77	63544	22.283	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	43849	20.627	ug/l	99
28) Bromochloromethane	7.17	49	36107	21.257	ug/l	99
29) Tetrahydrofuran	7.17	42	96834	106.623	ug/l	99
30) Chloroform	7.34	83	70944	20.794	ug/l	99
31) Cyclohexane	7.63	56	74949	20.731	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	60680	20.710	ug/l	99
36) 1,1-Dichloropropene	7.77	75	55614	20.789	ug/l	99
37) Ethyl Acetate	6.89	43	62009	21.343	ug/l	100
38) Carbon Tetrachloride	7.75	117	46969	19.712	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	65768	20.607	ug/l	97
40) Benzene	8.02	78	167261	20.735	ug/l	99
41) Methacrylonitrile	7.14	41	24656m	19.863	ug/l	
42) 1,2-Dichloroethane	8.10	62	58625	21.242	ug/l	99
43) Isopropyl Acetate	8.14	43	100034	20.937	ug/l	100
44) Trichloroethene	8.81	130	41472	20.492	ug/l	100
45) 1,2-Dichloropropane	9.10	63	45500	21.335	ug/l	97
46) Dibromomethane	9.19	93	26660	20.778	ug/l	99
47) Bromodichloromethane	9.38	83	55142	20.607	ug/l	98
48) Methyl methacrylate	9.18	41	43516	20.411	ug/l	98
49) 1,4-Dioxane	9.17	88	11586	451.278	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	290844	106.784	ug/l	99
52) Toluene	10.14	92	98814	20.304	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	64449	20.953	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	69821	20.643	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	38699	20.671	ug/l	98
56) Ethyl methacrylate	10.42	69	60336	20.647	ug/l	99
57) 1,3-Dichloropropane	10.70	76	68817	21.141	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	137876	98.895	ug/l	99
59) 2-Hexanone	10.74	43	208554	106.334	ug/l	100
60) Dibromochloromethane	10.89	129	39024	20.247	ug/l	99
61) 1,2-Dibromoethane	10.99	107	39230	20.908	ug/l	99
64) Tetrachloroethene	10.62	164	37769	19.589	ug/l	97
65) Chlorobenzene	11.42	112	100711	20.509	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	36674	20.658	ug/l	99
67) Ethyl Benzene	11.50	91	188449	20.635	ug/l	99
68) m/p-Xylenes	11.61	106	137213	40.594	ug/l	99
69) o-Xylene	11.94	106	66215	20.526	ug/l	99
70) Styrene	11.96	104	106893	20.238	ug/l	99
71) Bromoform	12.12	173	27393	20.704	ug/l #	99
73) Isopropylbenzene	12.24	105	177402	21.190	ug/l	100
74) N-amyl acetate	12.06	43	82663	21.279	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	55985	21.999	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	49384m	20.558	ug/l	
77) Bromobenzene	12.52	156	41870	20.834	ug/l	98
78) n-propylbenzene	12.58	91	209653	21.128	ug/l	100
79) 2-Chlorotoluene	12.67	91	122540	20.749	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	148198	20.843	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	19105	20.320	ug/l	99
82) 4-Chlorotoluene	12.77	91	127006	21.067	ug/l	100
83) tert-Butylbenzene	12.99	119	124028	21.039	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	148563	21.137	ug/l	99
85) sec-Butylbenzene	13.17	105	166914	21.005	ug/l	100
86) p-Isopropyltoluene	13.28	119	149179	20.897	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	73659	20.706	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	73788	20.675	ug/l	98
89) n-Butylbenzene	13.61	91	135696	20.950	ug/l	100
90) Hexachloroethane	13.87	117	22555	21.670	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	70581	20.810	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	10783	18.911	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	42942	20.629	ug/l	98
94) Hexachlorobutadiene	15.00	225	20999	20.407	ug/l	100
95) Naphthalene	15.13	128	125769	20.192	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	41030	20.007	ug/l	99

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

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